

SCHO MMUNI ОШ ERNATIONAL IMUNITY ELE

REVISIONS

30"x42" SCALE: AS SHOW CAD FILE:

International Community School/ Community Elementary School 11133 NE 65TH STREET KIRKLAND, WA 98033

PHASE 2 BID SET 5/14/12

Sheet Index

C0.00-2 PHASE 2 COVER SHEET CO.01-2 PHASE 2 NOTES SHEET C1.00-2 PHASE 2 OVERALL DEMOLITION PLAN C1.01-2 PHASE 2 DEMOLITION PLAN NW C1.02-2 PHASE 2 DEMOLITION PLAN NE C1.03-2 PHASE 2 DEMOLITION PLAN SE C1.04-2 PHASE 2 DEMOLITION PLAN SW C2.00-2 PHASE 2 OVERALL T.E.S.C. PLAN C2.01-2 PHASE 2 T.E.S.C. PLAN NW C2.02-2 PHASE 2 T.E.S.C. PLAN NE C2.03–2 PHASE 2 T.E.S.C. PLAN SE C2.04-2 PHASE 2 T.E.S.C. PLAN SW C3.00-2 PHASE 2 OVERALL GRADING AND DRAINAGE PLAN PHASE 2 GRADING AND DRAINAGE PLAN NW PHASE 2 GRADING AND DRAINAGE PLAN NE PHASE 2 GRADING AND DRAINAGE PLAN SE PHASE 2 GRADING AND DRAINAGE PLAN SW C3.10-2PHASE 2 STORM PROFILES C3.20-2 PHASE 2 SITE SECTIONS C4.00-2 PHASE 2 OVERALL UTILITY PLAN C4.01-2 PHASE 2 UTILITY PLAN NW C4.02-2 PHASE 2 UTILITY PLAN NE C4.03-2 PHASE 2 UTILITY PLAN SE C4.04-2 PHASE 2 UTILITY PLAN SW C4.20–2 PHASE 2 WATER PROFILE PHASE 2 OVERALL PAVING/HORIZONTAL CONTROL PLAN PHASE 2 PAVING/HORIZONTAL CONTROL PLAN NW PHASE 2 PAVING/HORIZONTAL CONTROL PLAN NE PHASE 2 PAVING/HORIZONTAL CONTROL PLAN SE C5.04-2 PHASE 2 PAVING/HORIZONTAL CONTROL PLAN SW C6.01 TESC DETAILS GRADING AND DRAINAGE DETAILS GRADING AND DRAINAGE DETAILS GRADING AND DRAINAGE DETAILS GRADING AND DRAINAGE DETAILS UTILITY DETAILS UTILITY DETAILS UTILITY DETAILS

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R.O.W. DETAILS

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Legal Description

THAT PORTION OF THE SOUTHEAST QUARTER OF SECTION 8, TOWNSHIP 25 NORTH RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON, AND OF THE PLAT OF HARRY WHITE'S 2ND ADDITION TO KIRKLAND. ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 6 OF PLATS, PAGE 5, IN KING COUNTY, WASHINGTON, AND OF VACATED STREETS, ALL MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE MONUMENT WHICH IS THE INTERSECTION OF THE CENTER LINE OF 112TH AVENUE NORTHEAST AND THE SOUTHERLY MARGIN OF NORTHEAST 65TH STREET IN THE PLAT OF COLLINGSWOOD ADDITION DIVISION NO. 2, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 20 OF PLATS, PAGE 50, RECORDS OF KING COUNTY, WASHINGTON; THENCE NORTH 89'53'10" EAST, 30.00 FEET

THENCE NORTH 0'26'02" WEST, 30.00 FEET TO THE TRUE POINT OF BEGINNING; SAID POINT BEING THE SOUTHWEST CORNER OF BLOCK 2, IN SAID PLAT OF COLLINGSWOOD ADDITION, DIVISION NO. 2; THENCE NORTH 89'53'10" EAST, 267.80 FEET: THENCE SOUTH 0'24'32" EAST, 30.00 FEET:

THENCE NORTH 89'53'10" EAST, 30.00 FEET THENCE SOUTH 0'15'19" WEST, 390.00 FEE THENCE SOUTH 89'53'10" WEST, 163.83 FEET

THENCE SOUTH 0'14'30" WEST, 270.00 FEET: THENCE SOUTH 89'53'10" WEST, ALONG THE NORTHERLY MARGIN OF NORTHEAST 62ND STREET PRODUCED

THENCE NORTH 0'13'41" EAST, ALONG THE EAST MARGIN OF KIRKLAND STREET (111TH AVENUE NORTHEAST) AND SAID STREET PRODUCED FOR 690.00 FEET; THENCE NORTH 89'53'10" EAST, ALONG THE NORTH MARGIN OF NORTHEAST 65TH STREET FOR 488.26 FEET, TO THE TRUE POINT OF BEGINNING.

Horizontal Datum

CITY OF KIRKLAND DATUM, NAD 83/91, BASED ON THE PLAT OF HIGHLAND VIEW ROTATED TO CITY OF KIRKLAND MONUMENTS 14 AND 19.

Vertical Datum

CITY OF KIRKLAND DATUM, NAVD 88, BASED ON FOUND BENCHMARK No. 92, FOUND CHISELED "X" ON THE NE CORNER OF THE WATER VAULT NW OF THE INTERSECTION OF 111TH PLACE AND NE 60TH STREET,

Vicinity Map

NE 74th ST ως. 68th PI NE 52nd 5t NE 60th St NE 60th St

CIVIL ABBREVIATIONS

AMERICAN CONCRETE INSTITUTE APWA AMERICAN PUBLIC WORKS ASSOCIATION ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS ATB ASPHALT TREATED BASE AMERICAN WELDING SOCIETY BOTTOM OF CURB BOTTOM OF LOADING DOCK BOTTOM OF MASS EXCAVATION BENCHMARK BOTTOM OF ROCKERY BOTTOM OF WALL CATCH BASIN CENTER LINE CORRUGATED METAL PIPE CLEAN OUT CONCRETE CONC CITY OF KIRKLAND COK CORRUGATED POLY PIPI

DRIVEWAY DUCTILE IRON DIAMETER ELEVATION ELEV ELEVATION EXISTING FINISHED FLOOR FINISHED GRADE

FIRE HYDRANT

LINEAL FEET OF PIPE

ROW RIGHT OF WAY STORM DRAIN STORM DRAIN CLEAN OUT SDMH STORM DRAIN MANHOLE SANITARY SEWER SANITARY SEWER CLEAN OUT SANITARY SEWER MANHOLE STANDARD PLAN NUMBER TOP OF CURB TEMP TEMPORARY TOP OF ROCKERY TOP OF WALL TYPICAL UNIFORM BUILDING CODE WATER METER

WSDOT WASHINGTON STATE DEPARTMENT

OF TRANSPORTATION

XFMR TRANSFORMER

LIGHT POLE

ON CENTER

OUTSIDE DIAMETER

POLYVINYLCHLORIDE

REINFORCED CONCRETE PIPE

PROPERTY LINE

MANHOLE

MINIMUM

RECORD

REQ'D REQUIRED

	ISSUE	DATES
DESI		DATES VAL: 06-13-
	GN APPRO	
PERI	GN APPRO	VAL: 06-13- TAL: 04-11-1
PERI PERI	GN APPRO	VAL: 06-13- TAL: 04-11-1

ROCK/30%-40% PASSING; 2"-MINUS ROCK/10%-20% PASSING.

- 2. BEFORE ANY CONSTRUCTION MAY OCCUR, THE CONTRACTOR SHALL HAVE PLANS WHICH HAVE BEEN SIGNED AND APPROVED BY THE CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT. OBTAINED ALL CITY, COUNTY, STATE, FEDERAL AND OTHER REQUIRED PERMITS, AND HAVE POSTED ALL REQUIRED BONDS. CONTACT THE KIRKLAND DEPARTMENT OF PUBLIC WORKS (828-1243) FOR THE CURRENT PLAN SUBMITTAL PROCEDURES.
- 3. ALL STORM DRAINAGE IMPROVEMENTS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KIRKLAND PUBLIC WORKS PRE-APPROVED PLANS AND POLICIES AND THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED BY WSDOT AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
- 4. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL, ALL CHANGES SHALL BE SUBMITTED TO THE CITY.
- 5. A COPY OF THE APPROVED STORM WATER PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

6. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SIMILARLY STABILIZED TO THE SATISFACTION OF THE CITY OF

- KIRKLAND DEPARTMENT OF PUBLIC WORKS FOR THE PREVENTION OF ON-SITE EROSION AFTER THE COMPLETION OF CONSTRUCTION.
- 7. MINIMUM COVER OVER STORM DRAINAGE PIPES AND FACILITIES SHALL BE 2 FEET, UNLESS OTHERWISE SHOWN AND APPROVED. 8. STEEL PIPE SHALL HAVE ASPHALT TREATMENT #1 OR BETTER INSIDE AND OUTSIDE.
- 9. ALL CATCH BASINS SHALL BE TYPE I UNLESS OTHERWISE NOTED. CATCH BASINS WITH A DEPTH OF OVER FIVE FEET (5') TO THE PIPE INVERT SHALL BE A TYPE II CATCH BASIN. TYPE II CATCH BASINS EXCEEDING FIVE FEET (5') IN DEPTH SHALL HAVE A STANDARD LADDER INSTALLED.
- 10. ALL STORM DRAINAGE MAIN EXTENSIONS WITHIN THE PUBLIC RIGHT-OF-WAY OR IN EASEMENTS MUST BE STAKED FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION.
- 11. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF ONE FOOT (1') AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING; 2"-4"
- 12. ALL PIPE, MANHOLES, CATCH BASINS, AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH THE CURRENT STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (WSDOT). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIAL AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED ON A UNIFORMLY DENSE, UNYIELDING BASE. IF THE NATIVE MATERIAL IN THE BOTTOM OF THE TRENCH MEETS THE REQUIREMENTS FOR "GRAVEL BACKFILL FOR PIPE BEDDING." THE FIRST LIFT OF PIPE BEDDING MAY BE OMITTED PROVIDED THE MATERIAL IN THE BOTTOM OF THE TRENCH IS LOOSENED, REGRADED, AND COMPACTED TO FORM A DENSE UNYIELDING BASE. ALL PIPE BEDDING SHALL BE APWA CLASS B, TYPE I, OR BETTER. PIPE SHALL NOT BE INSTALLED ON SOD, FROZEN EARTH, LARGE BOULDERS, OR ROCK. PIPE BEDDING FOR FLEXIBLE PIPES SHALL BE PEA GRAVEL TO THE SPRINGLINE OF THE PIPE.
- 13. CONSTRUCTION OF DEWATERING (GROUNDWATER) SYSTEMS SHALL BE IN ACCORDANCE WITH THE APWA STANDARD SPECIFICATIONS. DEWATERING AS REQUIRED TO COMPLETE CONSTRUCTION ACTIVITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR DEWATERING SHALL BE INCLUDED IN THE BASE BID.
- 14. ISSUANCE OF A BUILDING OR LAND SURFACE MODIFICATION PERMIT BY THE CITY OF KIRKLAND DOES NOT RELIEVE THE OWNER OF THE CONTINUING LEGAL OBLIGATION AND/OR LIABILITY CONNECTED WITH STORM SURFACE WATER DISPOSITION. FURTHER, THE CITY OF KIRKLAND DOES NOT ACCEPT ANY OBLIGATION FOR THE PROPER FUNCTIONING AND MAINTENANCE OF THE SYSTEM DURING OR FOLLOWING CONSTRUCTION EXCEPT AS OUTLINED IN THE CITY OF KIRKLAND PUBLIC WORKS STANDARDS.
- 15. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CONFINED SPACE PROTECTION, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE A TRAFFIC CONTROL PLAN APPROVED BY THE CITY OF KIRKLAND. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS, TRAFFIC CONTROL. AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY.
- 17. NO FINAL CUT OR FILL SLOPE SHALL EXCEED SLOPES OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL WITHOUT STABILIZATION BY ROCKERY OR BY A STRUCTURAL RETAINING WALL.
- 18. ALL MANHOLE LADDERS SHALL BE FIRMLY ATTACHED AND EXTEND TO WITHIN 1' OF THE BOTTOM OF THE STRUCTURE.
- 19. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITY LOCATIONS WHETHER OR NOT THESE UTILITIES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE TO ANY UTILITY. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION INSPECTOR AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE DEVELOPMENT ENGINEER PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT.
- 20. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- 21. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, WIDTHS, THICKNESSES, AND ELEVATIONS OF ALL EXISTING PAVEMENTS AND STRUCTURES THAT ARE TO INTERFACE WITH NEW WORK. PROVIDE ALL TRIMMING, CUTTING, SAW CUTTING, GRADING, LEVELING, SLOPING, COATING, AND OTHER WORK, INCLUDING MATERIALS AS NECESSARY, TO CAUSE THE INTERFACE WITH EXISTING WORKS TO BE PROPER, ACCEPTABLE TO THE ENGINEER AND THE CITY OF KIRKLAND, COMPLETE IN PLACE AND READY TO USE.
- 22. ALL INLET, MANHOLE, AND CATCH BASIN FRAMES AND GRATES SHALL NOT BE ADJUSTED TO GRADE UNTIL IMMEDIATELY PRIOR TO FINAL PAVING. ALL CATCH BASIN GRATES SHALL BE SET 0.10' BELOW PAVEMENT LEVEL.
- 23. OPEN CUT ROAD CROSSINGS FOR UTILITY TRENCHES ON EXISTING TRAVELED ROADWAY SHALL BE BACKFILLED ONLY WITH 5/8" MINUS CRUSHED ROCK AND MECHANICALLY COMPACTED (UNLESS OTHERWISE APPROVED BY THE CITY). FOR STREETS CLASSIFIED AS ARTERIALS OR COLLECTORS, BACKFILL FOR CROSSINGS SHALL BE CDF. CUTS INTO THE EXISTING ASPHALT SHALL BE NEAT LINE CUT WITH SAW OR JACKHAMMER IN A CONTINUOUS LINE. A TEMPORARY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER BACKFILL AND COMPACTION. A PERMANENT HOT MIX PATCH SHALL BE PLACED WITHIN 30 DAYS AND SHALL BE A MINIMUM OF 1" THICKER THAN THE ORIGINAL ASPHALT WITH A MINIMUM THICKNESS OF 2". SEE STANDARD
- 24. ALL DAMAGES INCURRED TO PUBLIC AND/OR PRIVATE PROPERTY BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION SHALL BE PROMPTLY REPAIRED TO THE SATISFACTION OF THE CITY CONSTRUCTION INSPECTOR BEFORE PROJECT APPROVAL AND/OR THE RELEASE OF THE PROJECT'S PERFORMANCE BOND.
- 25. GROUT ALL SEAMS AND OPENINGS IN ALL INLETS, CATCH BASINS, AND MANHOLES.
- 26. WHEN WIDENING AN EXISTING ROADWAY WHERE AN EXISTING TYPE 1 CATCH BASIN WILL REMAIN IN THE TRAVEL LANE, THE EXISTING FRAME AND COVER SHALL BE REPLACED WITH A ROUND, LOCKING FRAME AND COVER.
- 27. FOR OTHER THAN SINGLE-FAMILY DWELLINGS, ALL EXPOSED OR READILY EXPOSED INDOOR STROM DRAINAGE PIPING/PLUMBING SHALL BE LABELED WITH THE WORDS "STORM DRAIN" WITH MINIMUM 2 INCH HIGH LETTERS.

Proiect Notes

- 1. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS AND EXERCISE SOUND ENGINEERING AND CONSTRUCTION PRACTICES IN CONDUCTING THE WORK, THE CONTRACTOR SHALL PROTECT EXISTING PUBLIC AND PRIVATE UTILITIES FROM DAMAGE DURING CONSTRUCTION. IF EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE ENGINEER. THE CONTRACTOR SHALL RESTORE THE UTILITY TO ITS EXISTING CONDITION, (WSDOT SEC. 1-07.17) APWA SUPPLEMENT). THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND THE METHODS OF CONSTRUCTION FOR DESIGNS SHOWN ON THESE PLANS.
- 2. WHERE THE PLANS CALL FOR UTILITIES TO BE RELOCATED BY OTHERS, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY AND COORDINATE HIS WORK SO AS TO AVOID CONFLICTS.
- 3. ALL EXCAVATION, TRENCHING, SUBGRADE PREPARATION, FILL PLACEMENT, AND ALL SOIL WORK IN GENERAL SHALL BE CONDUCTED IN COMPLIANCE WITH THE RECOMMENDATIONS OF THE PROJECT SOIL ENGINEER AND THE CURRENT GEOTECHNICAL ENGINEERING REPORT AS WELL AS SPECIFICATION DIVISION 31 AND THE PROJECT PLANS.
- 4. ENGINEERING DESIGN AND APPROVAL FOR STRUCTURES SUCH AS WALLS AND VAULTS MUST BE PREPARED BY THE APPROPRIATE PROFESSIONAL STRUCTURAL ENGINEER AND ARE NOT A PART OF THESE CIVIL PLANS.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A PROFESSIONAL LAND SURVEYOR TO REFERENCE EXISTING MONUMENTS ON OR ADJOINING ESTABLISHED SAID POINTS AT PROJECT COMPLETION. THIS REESTABLISHMENT SHALL BE DOCUMENTED BY RECORD OF SURVEY OR SITE PREVIOUS TO DEMOLITION OR CONSTRUCTION AND TO RECORNER RECORD AS DESCRIBED IN W.A.C. 332-120.
- 6. CONTRACTOR SHALL MAINTAIN A 3 FOOT MINIMUM HORIZONTAL CLEARANCE FROM THE WATER MAIN AND OTHER UTILITIES (I.E. GAS, CABLE, POWER, ETC.). IF SAID CLEARANCE CANNOT BE MAINTAINED EXACT MEASUREMENTS TO THE UTILITY LINES MUST BE IDENTIFIED ON THE AS-BUILT DRAWINGS.
- 7. SCHEDULE WITH DISTRICT (72 HOURS MINIMUM NOTICE FOR WATER MAIN SHUT DOWN ON THE SCHOOL SITE). INSTALL DISTRICT STANDARD TESTING CONNECTION ON NEW WATER MAIN FOLLOWING COMPLETION OF NEW WATER SYSTEM CONSTRUCTION, TESTING, AND ACCEPTANCE BY THE DISTRICT, REMOVE TESTING CONNECTION AND INSTALL SEGMENT OF DI PIPE, LENGTH TO SUIT, WITH TWO LONG PATTERN SLEEVES. INSTALLATION AND CONNECTION TO EXISTING WATER SYSTEM SHALL BE WITH 100% DISTRICT INSPECTION.
- UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NOT A GUARANTEE THAT ALL UTILITY LINES ARE SHOWN OR THAT THE LOCATION, SIZE, AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSINGS. INTERFERENCE'S OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 1-800-424-5555 AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

City of Kirkland Erosion/Sedimentation Ccontrol - Plan Notes

- 1. THE APPROVED CONSTRUCTION SEQUENCE SHALL BE AS FOLLOWS: a. CONDUCT PRE—CONSTRUCTION MEETING.
- b. FLAG OR FENCE CLEARING LIMITS.
- c. POST SIGN WITH NAME AND PHONE NUMBER OF TESC SUPERVISOR. d. INSTALL CATCH BASIN PROTECTION IF REQUIRED. e. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S
- f. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.). a. CONSTRUCT SEDIMENT PONDS AND TRAPS.
- n. GRADE AND STABILIZE CONSTRUCTION ROADS. . CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. MAINTAIN EROSION CONTROL MEASURE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND MANUFACTURER'S
- RECOMMENDATIONS. k. RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE
- EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY TESC MINIMUM REQUIREMENTS. COVER ALL AREAS WITHIN THE SPECIFIED TIME FRAME WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC
- SHEETING, CRUSHED ROCK OR EQUIVALENT. m. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
- n. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS. o. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

2. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION

FACILITIES, UTILITIES, ETC.). 3. THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.

4. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE SET BY SURVEY AND CLEARLY FLAGGED IN THE FIELD BY A CLEARING CONTROL FENCE PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD. NO DISTURBANCE OR REMOVAL OF ANY GROUND COVER BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITTEE/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.

5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT—LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.

6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.

7. THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITTEE/CONTRACTOR DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT, AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMPORARY SILTATION PONDS AND ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.

8. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.

9. ALL DENUDED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING TIMELINES: - MAY 1 TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING. - OCTOBER 1 TO APRIL 30 — SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING.

10. AT NO TIME SHALL MORE THAN 1' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.

- STABILIZE SOILS AT THE END OF THE WORKDAY PRIOR TO A WEEKEND, HOLIDAY, OR PREDICTED RAIN EVENT.

11. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES. SUCH AS WASH PADS. MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM WHICH BACKS UNDER OR INTO A POND SHALL BE USED AS A TEMPORARY SETTLING BASIN.

13. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).

14. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS

15. ALL EROSION/SEDIMENTATION CONTROL PONDS WITH A DEAD STORAGE DEPTH EXCEEDING 6" MUST HAVE A PERIMETER FENCE WITH A MINIMUM HEIGHT OF 3'.

16. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS.

17. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE CITY OF KIRKLAND INSPECTOR. 18. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

19. ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A 6' HIGH TEMPORARY CONSTRUCTION FENCE (CHAIN LINK WITH PIER BLOCKS) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL THE PLANNING DEPARTMENT AUTHORIZES REMOVAL.

20. CLEARING LIMITS SHALL BE DELINEATED WITH A CLEARING CONTROL FENCE. THE CLEARING CONTROL FENCE SHALL CONSIST OF A 6-FT. HIGH CHAIN LINK FENCE ADJACENT THE DRIP LINE OF TREES TO BE SAVED, WETLAND OR STREAM BUFFERS, AND SENSITIVE SLOPES. CLEARING CONTROL FENCES ALONG WETLAND OR STREAM BUFFERS OR UPSLOPE OF SENSITIVE SLOPES SHALL BE ACCOMPANIED BY AN EROSION CONTROL FENCE. IF APPROVED BY THE CITY, A FOUR-FOOT HIGH ORANGE MESH CLEARING CONTROL FENCE MAY BE USED TO DELINEATE CLEARING LIMITS IN ALL OTHER AREAS.

21. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.

22. ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION. CATCH BASINS DIRECTLY DOWNSTREAM OF THE CONSTRUCTION ENTRANCE OR ANY OTHER CATCH BASIN AS DETERMINED BY THE CITY INSPECTOR SHALL BE PROTECTED WITH A "FILTER FABRIC SOCK" OR EQUIVALENT.

23. THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF KIRKLAND. ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-QUARTER DEPTH.

24. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1' AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING; 2"-4" ROCK/30%-40% PASSING; AND 1"-2" ROCK/10%-20% PASSING.

25. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.

26. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF. 27. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE. IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.

28. PRIOR TO THE OCTOBER 1 OF EACH YEAR (THE BEGINNING OF THE WET SEASON), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. THE IDENTIFIED DISTURBED AREA SHALL BE SEEDED WITHIN ONE WEEK AFTER OCTOBER 1. A SITE PLAN DEPICTING THE AREAS TO BE SEEDED AND THE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE PUBLIC WORKS CONSTRUCTION INSPECTOR. THE INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE

29. IF A SEDIMENT POND IS NOT PROPOSED, A BAKER TANK OR OTHER TEMPORARY GROUND AND/OR SURFACE WATER STORAGE TANK MAY BE REQUIRED DURING CONSTRUCTION, DEPENDING ON WEATHER CONDITIONS.

City of Kirkland Water Notes

- 1. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- 2. ALL WATER MAIN WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH CURRENT AWWA, WSDOT, AND APWA STANDARD SPECIFICATIONS, AS AMENDED BY THE CITY OF KIRKLAND. ALL MATERIAL UTILIZED SHALL BE NEW, NO PARTS SHALL BE REUSED. ANY PART REMOVED FROM THE SYSTEM FOR ANY REASON MAY NOT BE REUSED AND SHALL BE REPLACED WITH A NEW PART. (E.G. A ROMAC WITH A BAD GASKET MUST BE REPLACED WITH AN ENTIRELY NEW ROMAC ASSEMBLY)
- 3. THE WATER MAIN SHALL BE CLASS 52 DUCTILE IRON PIPE CONFORMING TO ANSI/AWWA C151/A21.51-86 OR THE MOST RECENT REVISION. THE PIPE SHALL BE 1/16" CEMENT LINED AND SEALED IN ACCORDANCE WITH ANSI/AWWA C104/A21.4-90. THE CAST IRON OR DUCTILE IRON PIPE FITTINGS SHALL BE CLASS 250 AS PER ANSI/AWWA C110/A21.10-82. PIPE BEDDING SHALL BE COMPACTED TO 95 PERCENT OF ITS MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. THE MAIN SHALL BE INSTALLED WITH A MINIMUM COVER OF 36" AND A MAXIMUM COVER OF 60". ANY DEVIATIONS FROM THIS MUST BE APPROVED BY THE CITY OF KIRKLAND PRIOR TO CONSTRUCTION.
- 4. CONCRETE BLOCKING FOR WATER MAINS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH AWWA AND CITY OF KIRKLAND SPECIFICATIONS AND SHALL BE INSTALLED AT ALL VERTICAL AND HORIZONTAL BENDS AND FITTINGS. PRIOR TO BLOCKING, THE FITTINGS SHALL BE WRAPPED WITH VISQUEEN.
- 5. ALL CONNECTIONS TO EXISTING MAINS AND ALL TESTING AND DISINFECTION SHALL BE PERFORMED UNDER THE SUPERVISION OF THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS INSPECTOR.
- 6. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE, THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY, CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE
- LIFE OF THE PROJECT. 7. ALL CONTRACTORS WORKING WITH AC PIPE MUST BE STATE-CERTIFIED. THE CONTRACTOR SHALL PROVIDE PROTECTIVE CLOTHING AND EQUIPMENT (COVERALLS, GLOVES, BOOTS, HEAD COVERING, GOGGLES, RESPIRATORS, ETC.) TO CREWS WORKING WITH ASBESTOS CEMENT PIPE IN ORDER TO ASSURE THE WORKER'S EXPOSURE TO ASBESTOS MATERIAL IS AT OR BELOW THE LIMITS PRESCRIBED IN WAC 296-62-07705.
- 8. AN APPROVED COPY OF THE WATER PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 9. A 5' MINIMUM HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER FACILITIES AND UNDERGROUND POWER AND TELEPHONE FACILITIES, UNLESS OTHERWISE APPROVED BY THE CITY OF KIRKLAND.
- 10. FOR WATER MAIN AND SEWER MAIN SEPARATION REQUIREMENTS, SEE ITEM VIII.C OF THE SANITARY SEWER DESIGN CRITERIA SECTION AND DETAIL W.01.
- 11. PRESSURE AND PURITY TESTING SHALL BE DONE IN THE PRESENCE OF, AND UNDER THE SUPERVISION OF, A CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS INSPECTOR. THE CONTRACTOR SHALL PROVIDE ALL PLUGS AND TEMPORARY BLOWOUT ASSEMBLIES FOR PRESSURE TESTING AND DISINFECTION PRIOR TO FINAL TIE-IN. NO CONNECTION SHALL BE MADE BETWEEN THE NEW MAIN AND THE EXISTING MAINS UNTIL THE NEW PIPING HAS BEEN DISINFECTED. FLUSHED, AND PASSED BOTH PRESSURE AND PURITY TESTING. TEMPORARY PLUGS AND BLOCKING SHALL BE INSTALLED AT THE POINTS OF CONNECTION TO THE EXISTING SYSTEM. FOR CONSTRUCTION OF NEW WATER MAIN, THE SERVICES, HYDRANTS ETC., WILL BE TESTED WITH THE MAIN. PRESSURE TESTING WILL REQUIRE A MINIMUM OF 200 PSI FOR 15 MINUTES WITH NO PRESSURE DROP. UPON SATISFACTORY COMPLETION OF THE PRESSURE TEST, THE LINE SHALL BE DISINFECTED, FLUSHED, AND THEN A SAMPLE SHALL BE TAKEN FOR PURITY TESTING BY THE PUBLIC WORKS INSPECTOR.
- 12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF KIRKLAND INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL WATER MAIN CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING AS-BUILT DRAWINGS OF ALL CONSTRUCTION NOT INSTALLED ACCORDING TO THE APPROVED PLANS. (THIS DOES NOT GIVE APPROVAL FOR AS-BUILT CONSTRUCTION.)
- 13. THE CONTRACTOR SHALL CONTACT THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS FIVE (5) DAYS PRIOR TO ANY WORK REQUIRING THE SHUTDOWN OF EXISTING WATER MAINS. THE CONTRACTOR IS REQUIRED TO GIVE TWO (2) WORKING DAYS NOTICE TO ALL CUSTOMERS AFFECTED BY A WATER MAIN SHUTDOWN (NOTICES AND MAPS FOR THE SHUTDOWN WILL BE PROVIDED BY THE WATER DIVISION). SHUTDOWNS SHALL BE SCHEDULED FOR MONDAYS, TUESDAYS, WEDNESDAYS, AND THURSDAYS BETWEEN 8 AM AND 2 PM. SHUTDOWNS AFFECTING INSTITUTIONS SHALL BE SCHEDULED AT NIGHT. ONLY WATER DIVISION PERSONNEL OR A DESIGNATE OF THE WATER DIVISION MANAGER MAY OPERATE VALVES, AND/OR HYDRANTS, BLOW-OFFS, ETC., FOR FILLS, SHUT DOWNS, FLUSHING, OR RECHARGING OF WATER LINES. TWO (2) WORKING DAYS NOTICE TO THE WATER DIVISION IS REQUIRED TO SCHEDULE FILLS.
- 14. THERE SHALL BE NO WATER MAIN CONSTRUCTION ON A SATURDAY, SUNDAY, OR HOLIDAYS OBSERVED BY THE CITY OF KIRKLAND.
- 15. SHOULD THE WATER MAIN WORK NECESSITATE THE CLOSING OF CERTAIN GATE VALVES WITHIN THE EXISTING SYSTEM, THE CITY OF KIRKLAND MAINTENANCE DEPARTMENT SHALL BE RESPONSIBLE FOR THE OPERATION OF SUCH VALVES.
- 16. THE FIRE FLOW SYSTEM SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO ABOVE—GROUND COMBUSTIBLE CONSTRUCTION.
- 17. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.
- 18. MEGA-LUGS (OR SIMILAR PRODUCT) SHALL BE REQUIRED ON ALL FITTINGS AND VALVES FOR TIE-INS, OR BUILD-OUTS FOR TIE-INS PRIOR TO A FINAL CONNECTION TO THE EXISTING WATER MAIN. APPROPRIATE CONCRETE BLOCKING IS ALSO REQUIRED IN ADDITION TO MEGA-LUGS.
- 19. FOR THE DURATION OF ANY WATER MAIN INSTALLATION PROJECT, ALL EXISTING AND NEWLY INSTALLED VALVE CANS ARE TO REMAIN ACCESSIBLE TO WATER DIVISION PERSONNEL.
- 20. WHEN IT BECOMES NECESSARY TO RE-PLUMB THE CUSTOMER'S SIDE OF AN EXISTING WATER METER AS THE RESULT OF THE RELOCATION OF THE EXISTING SERVICE OR TO COMPLY WITH OTHER CITY OF KIRKLAND PUBLIC WORKS SPECIFICATIONS, THE CUSTOMER'S SIDE SHALL BE RECONNECTED WITH THE APPROPRIATE PLUMBING MATERIALS (AND RELATED FITTINGS) SUCH AS BRASS, COPPER, POLYETHYLENE WITH A 200 P.S.I. RATING, OR PVC.
- 21. NO TIE-IN WILL BE ALLOWED INTO THE EXISTING TAILPIECE ON THE CUSTOMER'S SIDE OF THE METER. IF THE EXISTING METER DOES NOT HAVE A CHECK VALVE INSTALLED ON THE BACK SIDE OF THE METER (CUSTOMER'S SIDE) A CHECK VALVE CANNOT BE INSTALLED WHEN DOING THE TIE-IN.
- 22. IF A FITTING, EITHER DURING INSTALLATION OR AFTER, IS FOUND TO BE DEFECTIVE IN ANY WAY AS DETERMINED BY THE CITY, THE CONTRACTOR SHALL REPLACE THE ENTIRE FITTING AND NOT JUST THE DEFECTIVE COMPONENT

GENERAL DEMOLITION NOTES

- 1. EXISTING UTILITIES AND UNDERGROUND STRUCTURES SHOWN ON THE PLAN ARE BASED UPON THE BEST AVAILABLE PUBLIC RECORDS AND/OR PRIVATE RECORDS AS SUPPLIED BY THE PROJECT OWNER AND/OR DATA OBTAINED VERBALLY FROM OWNERS OR OFFICIALS ASSOCIATED WITH THE PARTICULAR UTILITY. NEITHER THE OWNER NOR THE ENGINEER GUARANTEE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND ASSUME NO RESPONSIBILITY FOR IMPROPER LOCATIONS ON THE CONSTRUCTION PLANS. OTHER UNDERGROUND FACILITIES NOT SHOWN ON THE DRAWINGS MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL INVERT ELEVATIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 2. IF CHANGED CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PROMPTLY OF (1) PREEXISTING SUBSURFACE CONDITIONS DIFFERING FROM THOSE INDICATED IN THE PLANS, OR (2) PREEXISTING UNKNOWN SUBSURFACE CONDITIONS, OR AN UNUSUAL NATURE, DIFFERING MATERIALLY FROM THOSE ORIGINALLY ENCOUNTERED AND GENERALLY RECOGNIZED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE CONTRACT. THE CONTRACTOR AND OR OWNER SHALL MAKE NO CLAIMS TO THE ENGINEER FOR RECOMPENSATION FOR EXTRA WORK RESULTING FROM CHANGED CONDITIONS UNLESS THE ENGINEER HAS APPROVED THE WORK IN WRITING.
- 3. CONTRACTOR SHALL CALL THE UTILITIES UNDERGROUND LOCATION CENTER FOR FIELD LOCATION OF ALL UTILITIES AND SHALL NOT BEGIN EXCAVATION UNTIL ALL KNOWN UNDERGROUND FACILITIES IN THE VICINITY OF THE PROPOSED WORK HAVE BEEN LOCATED AND MARKED. IF THE UTILITY IS NOT A SUBSCRIBER OF THE UNDERGROUND LOCATION CENTER THEN THE CONTRACTOR SHALL GIVE NOTICE TO THAT UTILITY.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL UTILITY PURVEYOR, AND CITY OR STATE RECORDS RELATIVE TO THE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO THESE FACILITIES AND SHALL RESTORE ALL UTILITIES AT CONTRACTOR'S OWN EXPENSE.
- 5. VERIFY THAT ALL UTILITY SERVICES TO BE DEMOLISHED HAVE BEEN DISCONNECTED.
- 6. ERECT BARRIERS, SHORING AND THE LIKE TO PROTECT PERSONNEL, CONSTRUCTION AND VEGETATION TO REMAIN. COMPLY WITH ALL STATE AND LOCAL AGENCY REQUIREMENTS.
- 7. DO NOT SHUT OFF OR CAP UTILITIES WITHOUT PRIOR NOTICE. COORDINATE WORK WITH LOCAL UTILITY PURVEYORS. 8. MAINTAIN VEHICULAR AND PEDESTRIAN TRAFFIC ROUTES: ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, AND ADJACENT FACILITIES; DO NOT CLOSE OR OBSTRUCT STREETS, SIDEWALKS, OR PASSAGEWAYS

WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION; MAINTAIN FIRE ACCESS ALONG ACCESS ROAD AT ALL

- TIMES; MEET ALL APPLICABLE CODES AND ORDINANCES. 9. PROTECT FROM HARM ANY TREES. OR OTHER OBJECTS SELECTED TO REMAIN.
- 10. DO NOT DAMAGE EXISTING CONSTRUCTION TO REMAIN.
- 11. RESTORE ANY IMPROVEMENTS DAMAGED BY THIS WORK TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO OWNER. REPAIR ANY DAMAGE TO ADJACENT STRUCTURES, UTILITIES, SITE, AND WORK OF THIS CONTRACT TO REMAIN AT NO ADDITIONAL COST TO OWNER.
- 12. NO BLASTING ON SITE. DO NOT USE EXPLOSIVES.

GENERAL DEMOLITION NOTES, CONT'D

- 13. SPRINKLE DEBRIS AS NECESSARY TO LIMIT DUST TO LOWEST PRACTICABLE LEVEL. DO NOT SPRINKLE TO EXTENT THAT WOULD CAUSE FLOODING, CONTAMINATED RUNOFF, OR ICING.
- 14. REMOVE EXISTING ABOVE-GRADE AND BELOW-GRADE IMPROVEMENTS AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION. CARE SHALL BE TAKEN THAT DAMAGE DOES NOT OCCUR TO EXISTING PAVEMENT WHICH IS TO REMAIN IN PLACE AND THAT ALL PAVEMENT REMOVALS ARE ACCOMPLISHED BY MAKING A NEAT VERTICAL SAW CUT AT THE BOUNDARIES OF THE AREA TO BE REMOVED.
- 15. REMOVE TREES, GROWTH AND UNDERBRUSH AS REQUIRED FOR NEW CONSTRUCTION AND AS INDICATED. REMOVAL OPERATIONS SHALL BE PERFORMED IN A MANNER TO PROTECT PROPERTY.
- 16. MAKE CUTS AT CLOSEST PAVING JOINT.
- 17. THE CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING, SETTING AND MARKING ALL LINE AND LOCATION STAKES, INCLUDING OFFSETS AND GENERAL CONSTRUCTION STAKING. WHEN WORK REQUIRING CONTROL IS BEING PERFORMED, ALL NECESSARY RELATED EQUIPMENT, SUPPLIES AND INSTRUMENTS SHALL BE ON SITE, A QUALIFIED LAYOUT ENGINEER. SURVEYOR, OR TECHNICAL SPECIALIST MUST BE ASSIGNED TO THE CONTRACTOR'S CREW FOR THIS WORK. THIS EQUIPMENT AND PERSONNEL MUST BE AVAILABLE, AT NO ADDITIONAL COST TO OWNER FOR THE PURPOSE OF VERIFYING LAYOUT AND CERTIFYING THE ACCURACY OF WORK ON THE SITE.
- 18. PROVIDE FOR THE PROTECTION OF PERSONS PASSING AROUND OR THROUGH THE AREA OF DEMOLITION.
- 19. TRAFFIC: DO NOT OBSTRUCT WALKS OR PUBLIC WAYS WITHOUT THE WRITTEN PERMISSION OF GOVERNING AUTHORITIES AND OF THE OWNER. WHERE ROUTES ARE PERMITTED TO BE CLOSED. PROVIDE ALTERNATE ROUTES IF REQUIRED.
- 20. COMPLETELY REMOVE ALL GROWTH INCLUDING COMPLETE ROOT SYSTEMS OF SHRUBS, HERBACEOUS WEEDS
- 21. PROVIDE PROTECTIVE MEASURES TO ENSURE FREE AND SAFE PASSAGE OF PERSONS TO AND FROM OCCUPIED AREAS 22. REMOVE COMPLETELY BELOW NEW FOUNDATION SUBGRADE; UNSUITABLE SOILS, EXISTING UTILITIES TO BE REMOVED.
- 23. WITHOUT COST TO THE OWNER AND WITHOUT DELAY, REPAIR ANY DAMAGES CAUSED TO FACILITIES TO REMAIN. 24. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL BENCHMARKS AND STAKES AND THE REPLACEMENT OF ANY THAT ARE DISPLACED OR MISSING.
- 25. THE REFUSE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER CONSISTENT WITH ALL GOVERNMENT REGULATIONS. IN NO CASE SHALL REFUSE MATERIAL BE LEFT ON THE PROJECT SITE, SHOVED ONTO ABUTTING PRIVATE PROPERTIES, OR BE BURIED IN EMBANKMENTS OR TRENCHES ON THE PROJECT SITE. DEBRIS SHALL NOT BE DEPOSITED IN ANY STREAM OR BODY OF WATER, WETLAND, OR IN ANY STREET OR ALLEY, OR UPON ANY PRIVATE PROPERTY EXCEPT BY WRITTEN CONSENT OF THE PRIVATE PROPERTY OWNER. MAINTAIN HAULING ROUTES CLEAN AND FREE OF ANY DEBRIS RESULTING FROM DEMOLITION WORK ON THIS PROJECT.

City of Kirkland Sewer Notes

- 1. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- 2. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS AND CURRENT WSDOT/APWA STANDARDS AND SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- 3. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE. THE UNDERGROUND UTILITY LOCATION SERVICE SHALL BE CONTACTED FOR FIELD LOCATION PRIOR TO ANY CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS. FOR UTILITY LOCATION IN KING COUNTY. CALL 1-800-424-5555. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UTILITY LOCATES ARE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS ACTIVITIES WITH LOCAL UTILITY COMPANIES TO ENSURE THAT ALL UTILITIES ARE INSTALLED ACCORDING TO THESE PLANS AND THE REQUIREMENTS OF THE INDIVIDUAL UTILITY
- 5. ALL MANHOLES SHALL CONFORM TO WSDOT/APWA STANDARDS, ECCENTRIC CONES WITH MANUFACTURER-APPROVED GASKETS AND 1/2" POLYPROPYLENE-ENCAPSULATED SAFETY STEPS AND LADDERS. ALL MANHOLES SHALL HAVE CAST IRON RINGS AND DUCTILE IRON COVERS. LIDS SHALL HAVE 2" RAISED LETTERS MARKED "SEWER." ALL CLEANOUTS SHALL HAVE CAST IRON RINGS AND COVERS MARKED "CO" THAT ARE IN PAVED AREAS.
- 6. ALL SIDE SEWERS SHALL BE TESTED FOR ACCEPTANCE AT THE SAME TIME THE MAIN SEWER IS TESTED. SIDE SEWER LOCATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION AND BACKFILLING. ALL SIDE SEWERS SHALL BE CAPPED WITH A WATERTIGHT PLUG, HAVE A CLEANOUT AND TEST TEE INSTALLED, AND SHALL BE MARKED FOR LOCATION WITH A 2" X 4" STAKE PAINTED WHITE, MARKED SEWER, WITH 3' EXPOSED, AND THE DEPTH OF THE CAP WRITTEN ON THE STAKE. SEE STANDARD DETAIL S.18. THE STAKE SHALL BE SECURED TO THE END OF THE PLUG WITH WIRE A MINIMUM OF 16 GAUGE. INITIAL SIDE SEWER INSTALLATION SHALL RUN TO THE PROPERTY LINE. THE REMAINING SIDE SEWER SHALL NOT BE INSTALLED UNTIL TESTING AND ACCEPTANCE OF THE SEWER TRUNK LINE BY THE CITY OF KIRKLAND IS COMPLETED. NUMBER AND LOCATION OF SIDE SEWERS SHOWN ARE APPROXIMATE ONLY AND MAY BE CHANGED AS REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER WHEN EXACT LOCATIONS ARE DETERMINED AND PROVIDE THE ENGINEER AND THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS WITH AN AS-BUILT. IF APPROVED BY THE PUBLIC WORKS DEPARTMENT, ALL DOUBLE-SIDED SEWER WYES MUST BE AT THE PROPERTY LINE.
- 7. ALL MAIN-LINE TRENCHES SHALL BE COMPACTED PRIOR TO TESTING SEWER LINES FOR ACCEPTANCE.
- 8. PRESSURE TESTING OF GRAVITY SEWER MAINS SHALL CONFORM TO THE FOLLOWING STANDARDS: (1) AIR TESTING WILL REQUIRE A MINIMUM OF 4 PSI FOR 15 MINUTES WITH NO PRESSURE DROP; (2) WATER TESTING WILL REQUIRE A MINIMUM OF 10' OF HEAD IN A STANDPIPE AT THE TEST LOCATION FOR 15 MINUTES WITH NO DROP IN THE WATER LEVEL IN THE STANDPIPE. EITHER TEST IS ACCEPTABLE.
- 9. PRESSURE TESTING OF FORCE MAINS AND LATERALS WILL REQUIRE AN AIR TEST OF 25 PSI MINIMUM FOR 15 MINUTES WITH NO PRESSURE DROP.
- 10. NEW CONNECTIONS TO EXISTING MANHOLES OR SEWER LINES SHALL BE SEALED OFF UNTIL UPSTREAM CONSTRUCTION IS FINISHED, TESTED, CLEANED, AND ACCEPTED. ALL CONSTRUCTION DEBRIS AND WATER SHALL BE REMOVED PRIOR TO OPENING THE SEAL. SANITARY SEWER — PLAN NOTES (CONTINUED) 2
- 11. ALL PVC SEWER PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATIONS D-3034 FOR 4" TO 15" DIAMETER AND ASTM F679 FOR 18" TO 27" DIAMETER. PIPE SHALL BE SDR-35 AND SHALL CONFORM TO STANDARD SPECIFICATIONS. BEDDING AND BACKFILL SHALL MEET WSDOT AND APWA SPECIFICATIONS.
- 12. MINIMUM SLOPE FOR SIDE SEWERS SHALL BE TWO PERCENT (2%).
- 13. AN APPROVED COPY OF THE SEWER PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 14. PRIOR TO CONSTRUCTION OF SEWER LINES, THE NECESSARY LOT CORNERS MUST BE SET. AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE LOCATION OF PIPES, MANHOLES, AND INVERT ELEVATIONS.
- 15. PIPE ANCHORS, IF USED, SHALL BE INSTALLED: NOT OVER 36' CENTER TO CENTER ON GRADES FROM 20 PERCENT TO 35 PERCENT: NOT OVER 24' CENTER TO CENTER ON GRADES FROM 35 PERCENT TO 50 PERCENT: AND NOT OVER 16' CENTER TO CENTER ON GRADES 50 PERCENT AND GREATER.
- 16. ALL MANHOLES SHALL HAVE A MINIMUM OF 0.10' TO A MAXIMUM OF 1.00' DROP BETWEEN INVERT IN AND INVERT OUT.
- 17. PVC SEWER PIPE SHALL BE TESTED FOR DEFLECTION ACCORDING TO WSDOT/APWA SPECIFICATIONS.
- 18. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.

19. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST ALL MANHOLE LIDS AND CLEANOUT LIDS TO MATCH

- FINAL ASPHALT ELEVATIONS IN ROADWAYS OR GROUND ELEVATIONS IN LANDSCAPED AREAS. 20. WHEN TYING INTO EXISTING MANHOLES THAT ARE BELOW MINIMUM STANDARDS, THE EXISTING MANHOLE MUST BE UPGRADED
- 21. ALL NEW SEWER MAIN EXTENSIONS SHALL BE VIDEOED PRIOR TO FINAL ACCEPTANCE.

TO MEET CURRENT STANDARDS.

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REVISIONS

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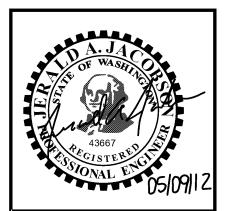
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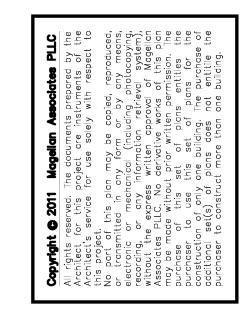
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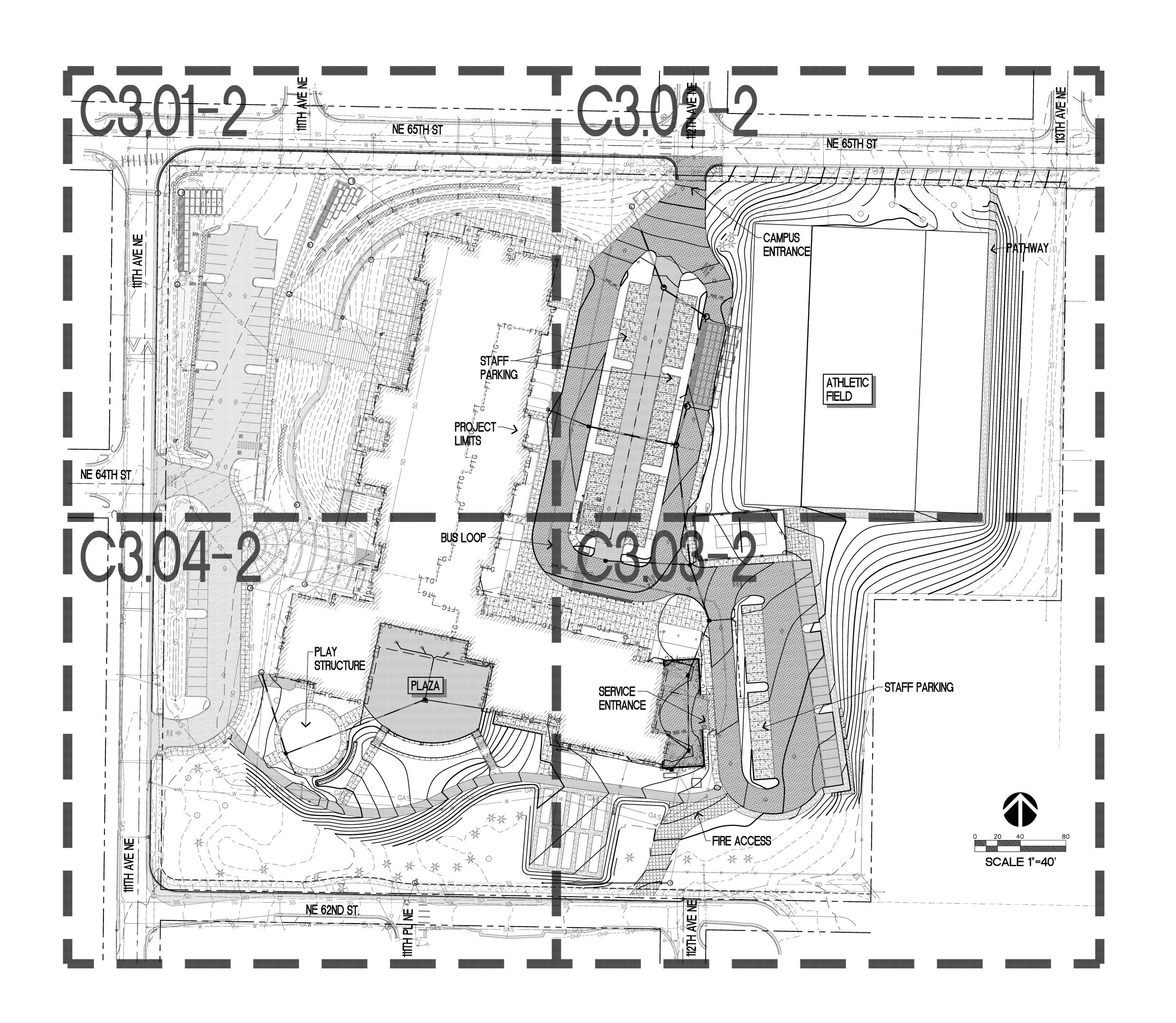
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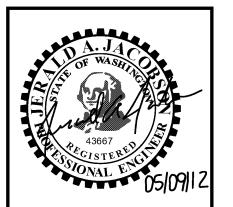
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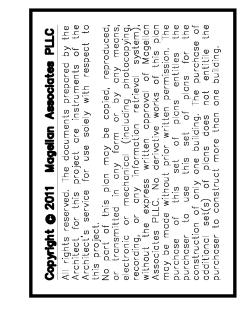
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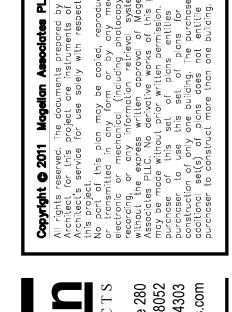
PHASE 2 OVERALL GRADING AND DRAINAGE PLAN



NOTE:
PHASE LIMITS DEFINE APPROXIMATE AREA OF CONSTRUCTION OPERATIONS. IT IS ASSUMED THE FENCING WILL BE INSTALLED AT THIS LOCATION. UTILITIES, PHASING AND OTHER OWNER TO SCHEDULE ACTIVITIES BEYOND THIS LINE IN ANY PHASE.





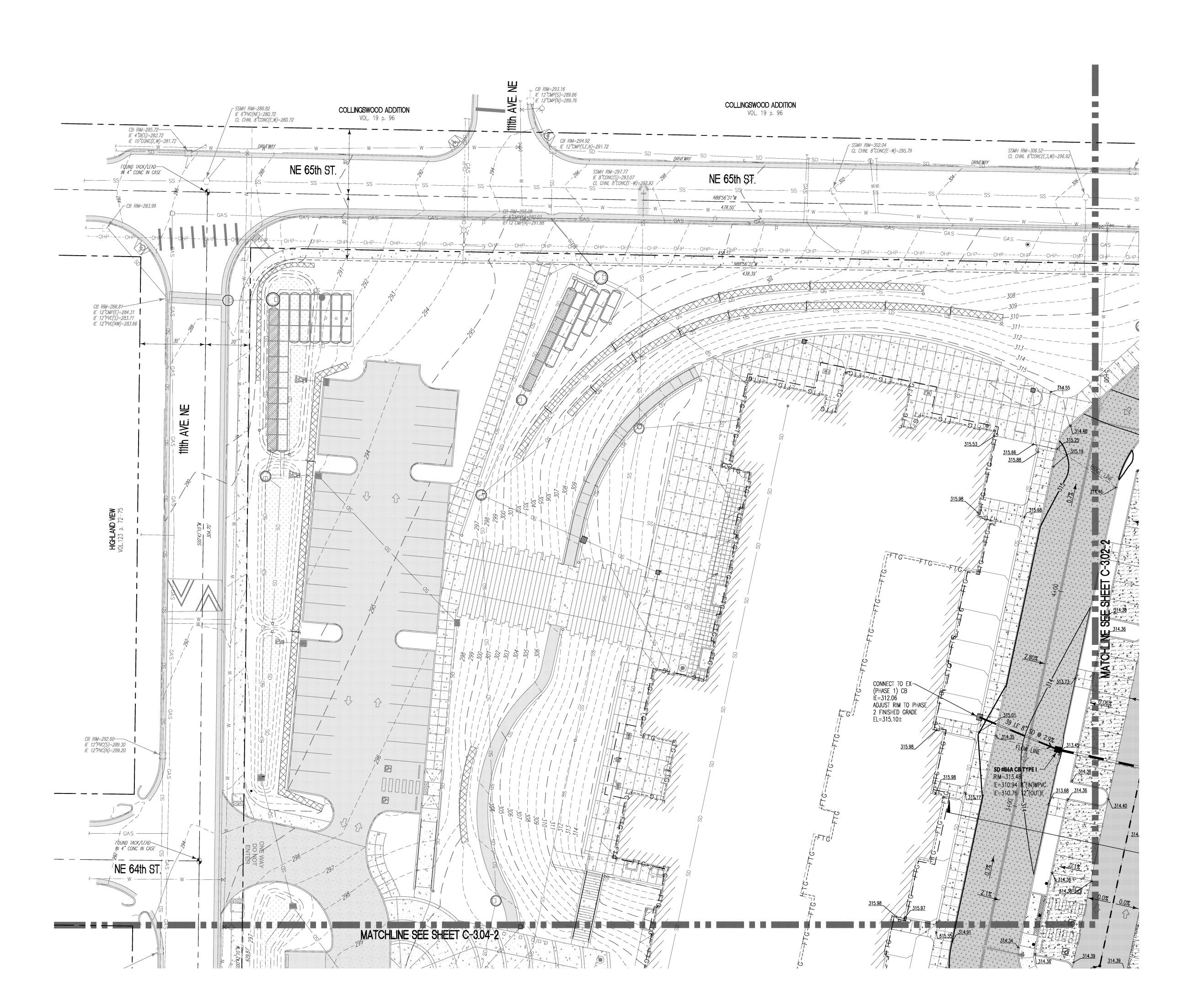


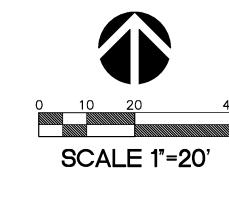
Magellan COUGHLIN PORTER LUNDEEN 413 PINE STREET - SUITE 300 SEATTLE, WA 98101 P: 206/343-0460 F: 206/343-5691 A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION

REVIS	SIONS
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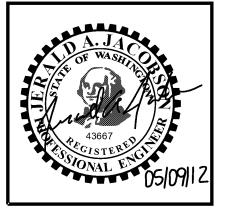
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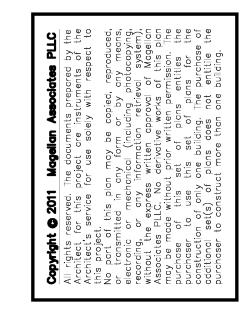
PHASE 2 GRADING AND DRAINAGE PLAN NW





	<u>EXISTING</u>	<u>REMOVE</u>	<u>PROPOSE</u>
ASPHALT PAVING			
POROUS ASPHALT			
ASPHALT TREATED BA	SE (ATB)		
CONCRETE PAVING			A A
PERVIOUS CONCRETE			
HEAVY CONCRETE			
BUILDINGS			
GRAVEL			
RIP RAP CONSTRUCTI	ON ENTRANCE		
SAWCUT LINE			
CONSTRUCTION LIMITS	<u>;</u>		
SITE FENCE			
SILT FENCE			
STORM CB W/PROTEC	CTION (II)		
CURBING			
ROCKERY			99
GABION WALL			
TREE W/PROTECTION			*0
CONTOUR (INDEX)	100		 100
CONTOUR	98		— 98 —
WATER LINE	W		***************************************
STORM DRAINAGE LIN	E		
SANITARY SEWER LINE	ss		
POWER	P		——Р—
TELEPHONE LINE	T		—_T—
GAS LINE	G		——G—
WATER METER/VALVE/	/ FH ⊞ ⋈-Q-		8140
STORM CB/MH			
SANITARY SEWER MH,			• •
GAS VALVE/METER			Ħ 🗖
STREET LIGHT ASSEMI	BLY		+
TELEPHONE RISER/MH	\Box \Box		■ (T)





Jellan APCHITECTS

SCALE 1"=20'

<u>EXISTING</u> <u>REMOVE</u> <u>PROPOSED</u>

LEGEND

ASPHALT PAVING

POROUS ASPHALT

CONCRETE PAVING

PERVIOUS CONCRETE

HEAVY CONCRETE

BUILDINGS

SAWCUT LINE

SITE FENCE

SILT FENCE

ROCKERY

GABION WALL

CONTOUR (INDEX)

STORM DRAINAGE LINE-

TELEPHONE LINE

STORM CB/MH

WATER METER/VALVE/FH⊞ ⋈-⊖-

SANITARY SEWER MH/CO 🔘 o

GAS VALVE/METER 🖂 🖸

STREET LIGHT ASSEMBLY

TELEPHONE RISER/MH 🗆 🗍

CONSTRUCTION LIMITS

ASPHALT TREATED BASE (ATB)

RIP RAP CONSTRUCTION ENTRANCE

STORM CB W/PROTECTION

TREE W/PROTECTION

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SEATTLE, WA 98101 P: 206/343-0460 F: 206/343-5691 A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION

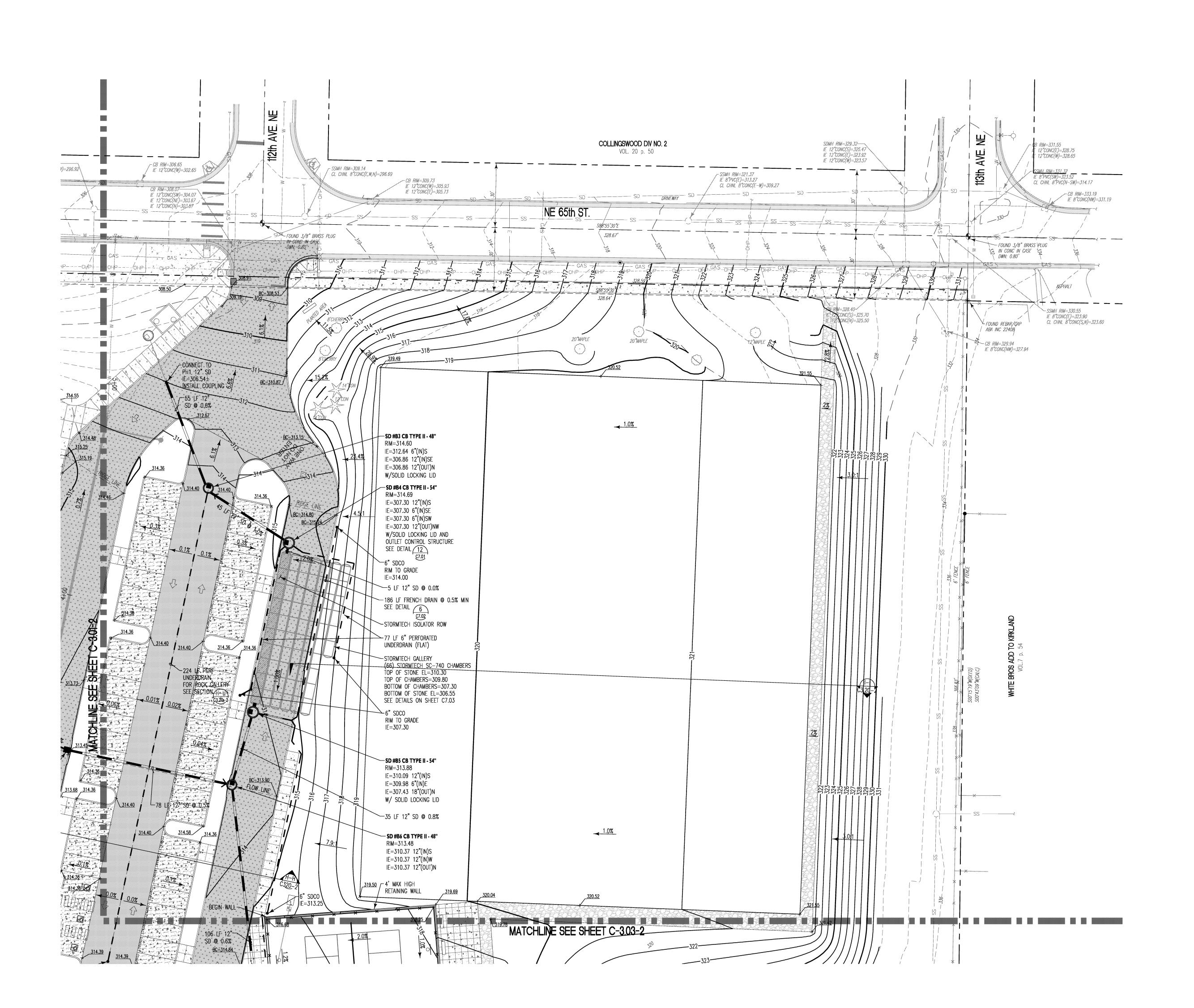
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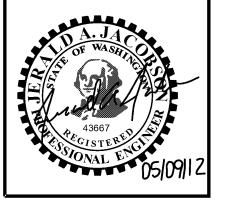
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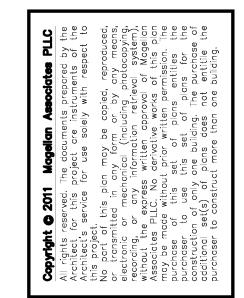
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CONSTR. DOCS: 30"x42" SCALE: AS SHOWN CAD FILE: JOB NUMBER: C101555-01 CHECKED: STATUS:

> PHASE 2 GRADING AND DRAINAGE PLAN NE









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WATER METER/VALVE/FH⊞ ⋈-Q-SANITARY SEWER MH/CO 🔘 o GAS VALVE/METER 🖂 🖸

SCALE 1"=20'

<u>EXISTING</u> <u>REMOVE</u> <u>PROPOSED</u>

LEGEND

ASPHALT PAVING

POROUS ASPHALT

CONCRETE PAVING

PERVIOUS CONCRETE

HEAVY CONCRETE

BUILDINGS

SAWCUT LINE

SITE FENCE

SILT FENCE

GABION WALL

CONTOUR (INDEX)

STORM DRAINAGE LINE-

TELEPHONE LINE

STORM CB/MH

CONSTRUCTION LIMITS

ASPHALT TREATED BASE (ATB)

RIP RAP CONSTRUCTION ENTRANCE

STORM CB W/PROTECTION

TREE W/PROTECTION

+ STREET LIGHT ASSEMBLY

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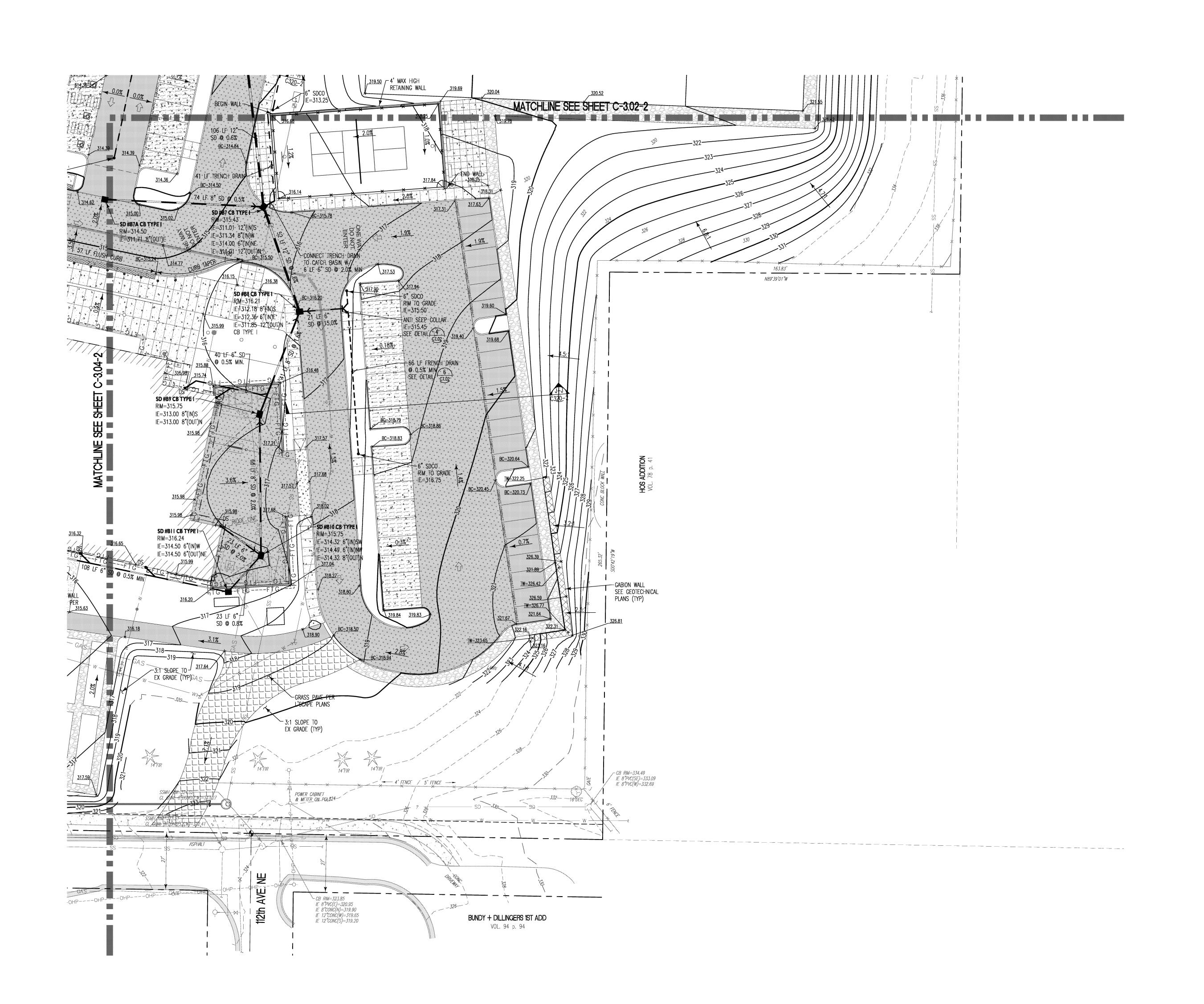
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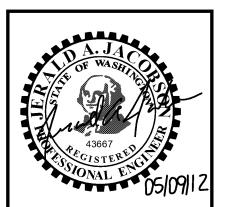
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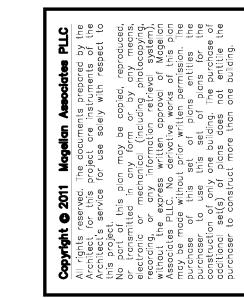
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PHASE 2 GRADING AND DRAINAGE PLAN SE







SCALE 1"=20'

EXISTING REMOVE PROPOSED

LEGEND

ASPHALT PAVING

POROUS ASPHALT

CONCRETE PAVING

PERVIOUS CONCRETE

HEAVY CONCRETE

SAWCUT LINE

SITE FENCE

SILT FENCE

GABION WALL

TELEPHONE LINE

STORM CB/MH

WATER METER/VALVE/FH ⊞ ⋈-⊖-

SANITARY SEWER MH/CO 🔘 o

GAS VALVE/METER 🖂 🖸

STREET LIGHT ASSEMBLY

TELEPHONE RISER/MH 🗆 🗍

CONSTRUCTION LIMITS

ASPHALT TREATED BASE (ATB)

RIP RAP CONSTRUCTION ENTRANCE

STORM CB W/PROTECTION

TREE W/PROTECTION

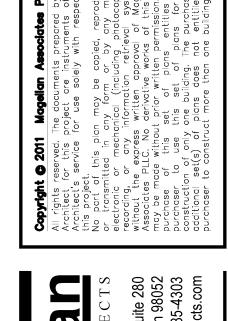
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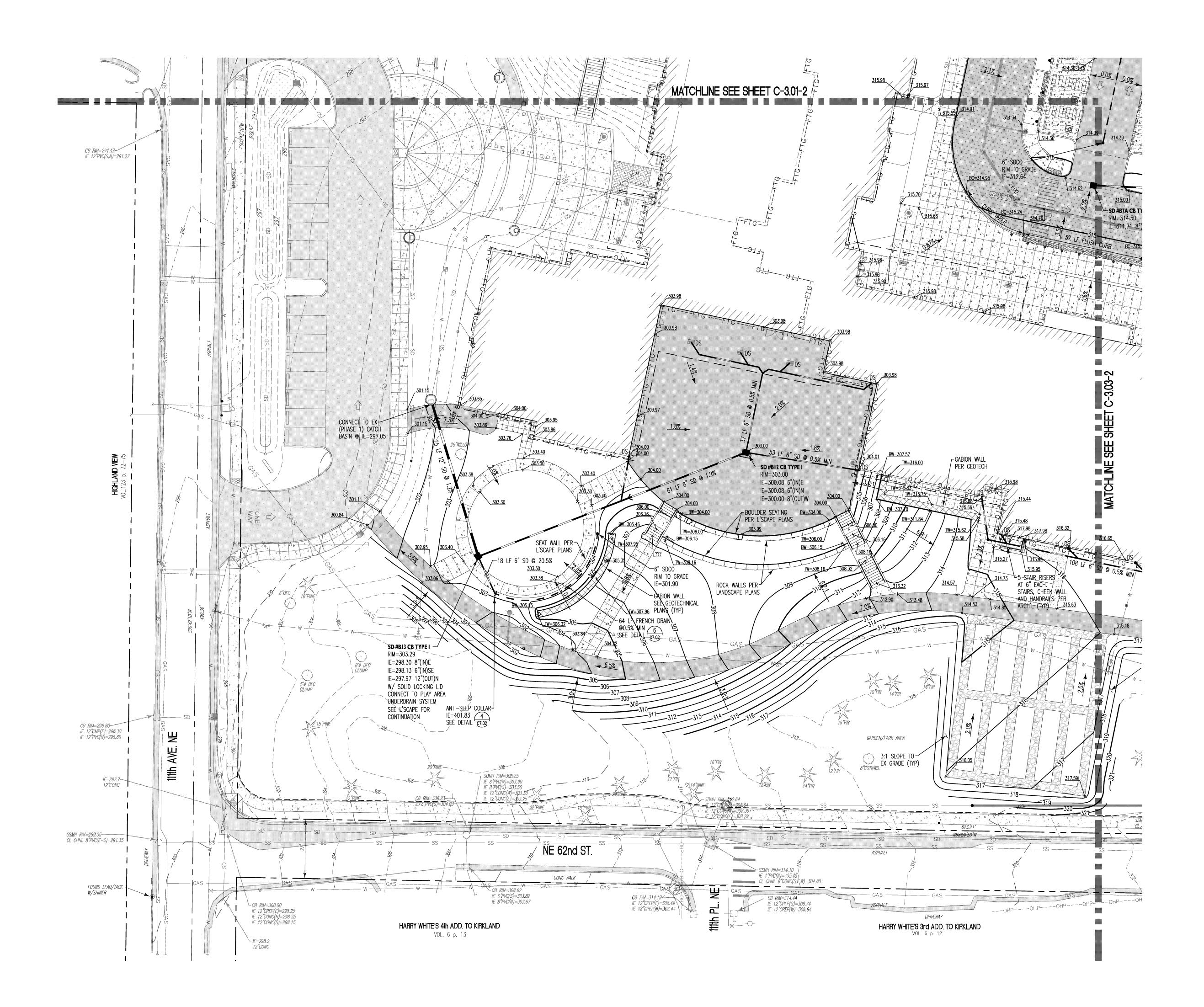
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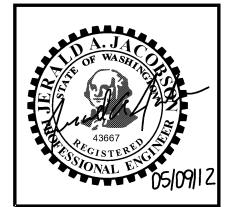
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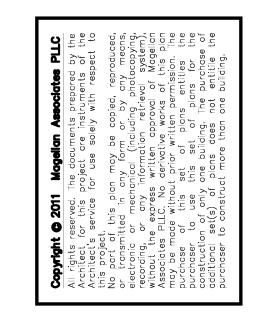
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PHASE 2 GRADING AND DRAINAGE PLAN SW









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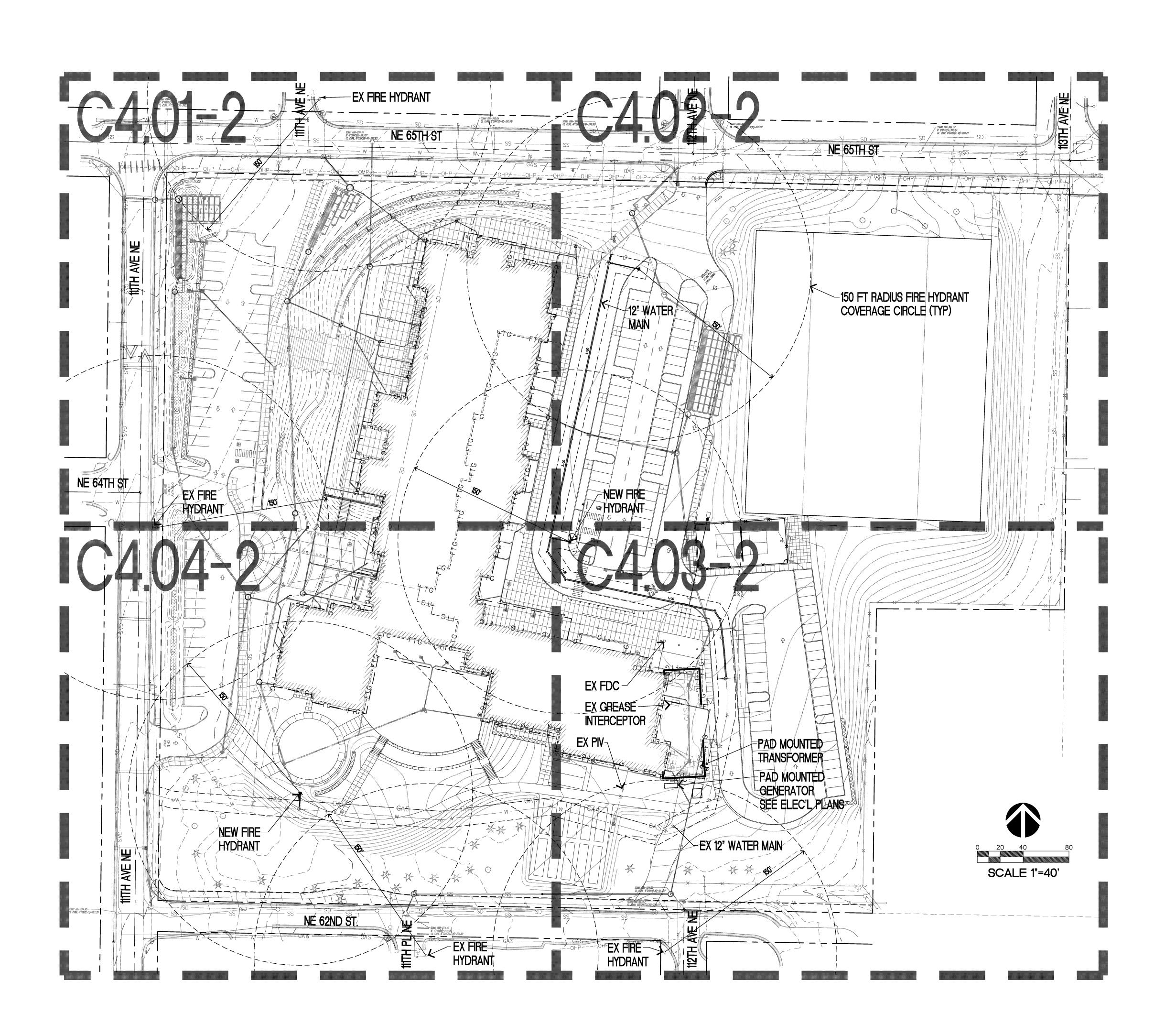
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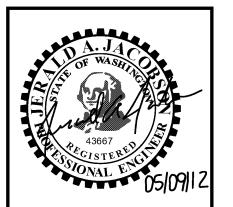
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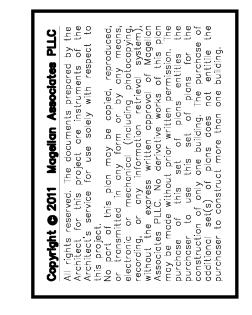
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PHASE 2 OVERALL UTILITY PLAN



NOTE:
PHASE LIMITS DEFINE APPROXIMATE AREA OF CONSTRUCTION OPERATIONS. IT IS ASSUMED THE FENCING WILL BE INSTALLED AT THIS LOCATION. UTILITIES, PHASING AND OTHER THIS LIMIT IN ANY PHASE. COORDINATE WITH OWNER TO SCHEDULE ACTIVITIES BEYOND THIS LINE IN ANY PHASE.





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SCALE 1"=20'

EXISTING REMOVE PROPOSED

LEGEND

ASPHALT PAVING

POROUS ASPHALT

CONCRETE PAVING

PERVIOUS CONCRETE

HEAVY CONCRETE

BUILDINGS

SAWCUT LINE

SITE FENCE

SILT FENCE

GABION WALL

TELEPHONE LINE

STORM CB/MH

GAS VALVE/METER ⋈ □

STREET LIGHT ASSEMBLY

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CONSTRUCTION LIMITS

ASPHALT TREATED BASE (ATB)

RIP RAP CONSTRUCTION ENTRANCE

STORM CB W/PROTECTION

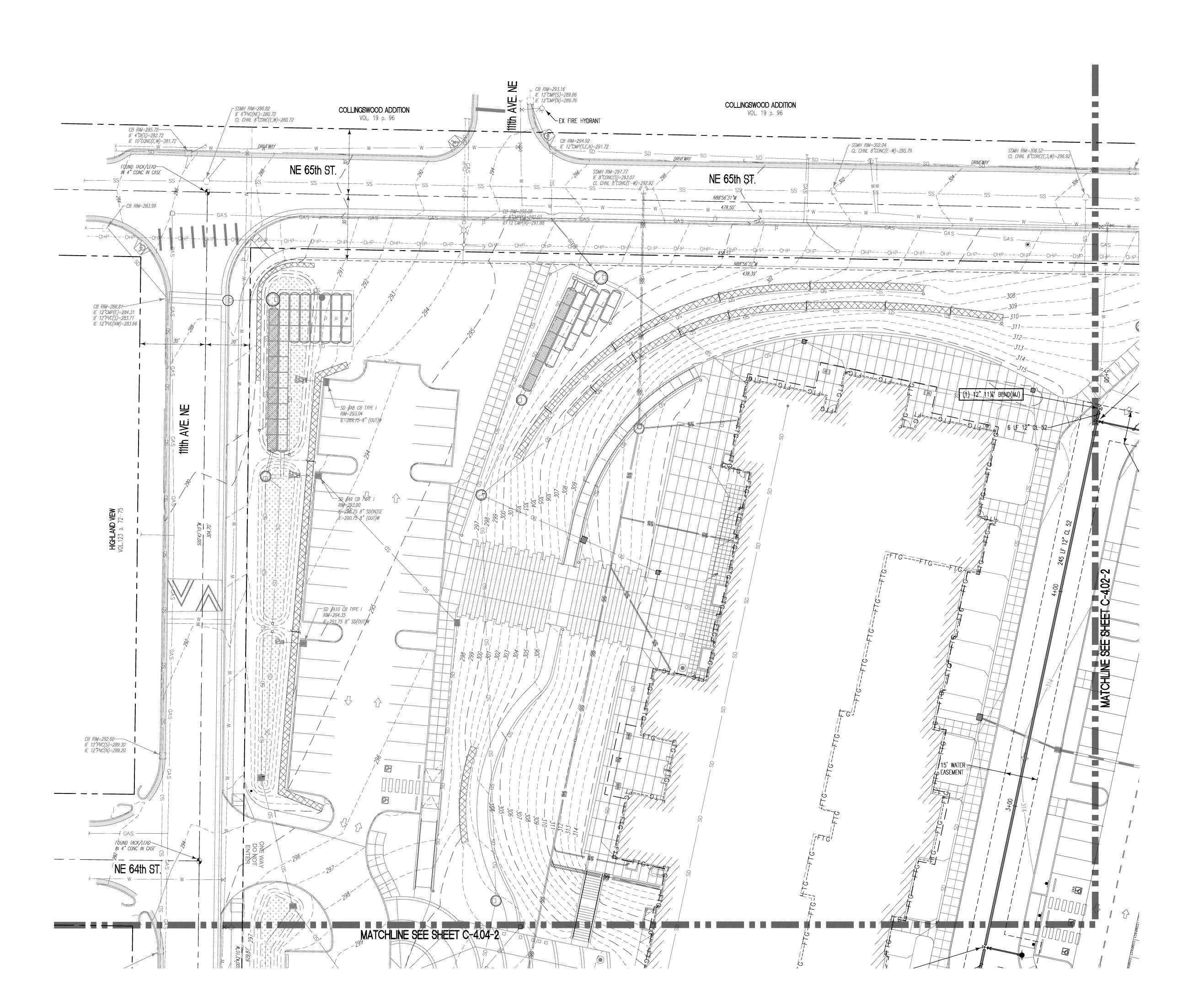
TREE W/PROTECTION

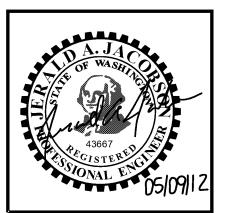
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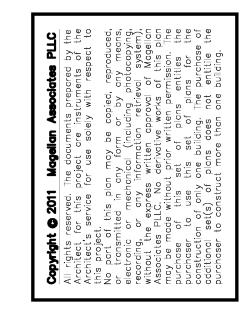
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ENGINEERING CORPORATION

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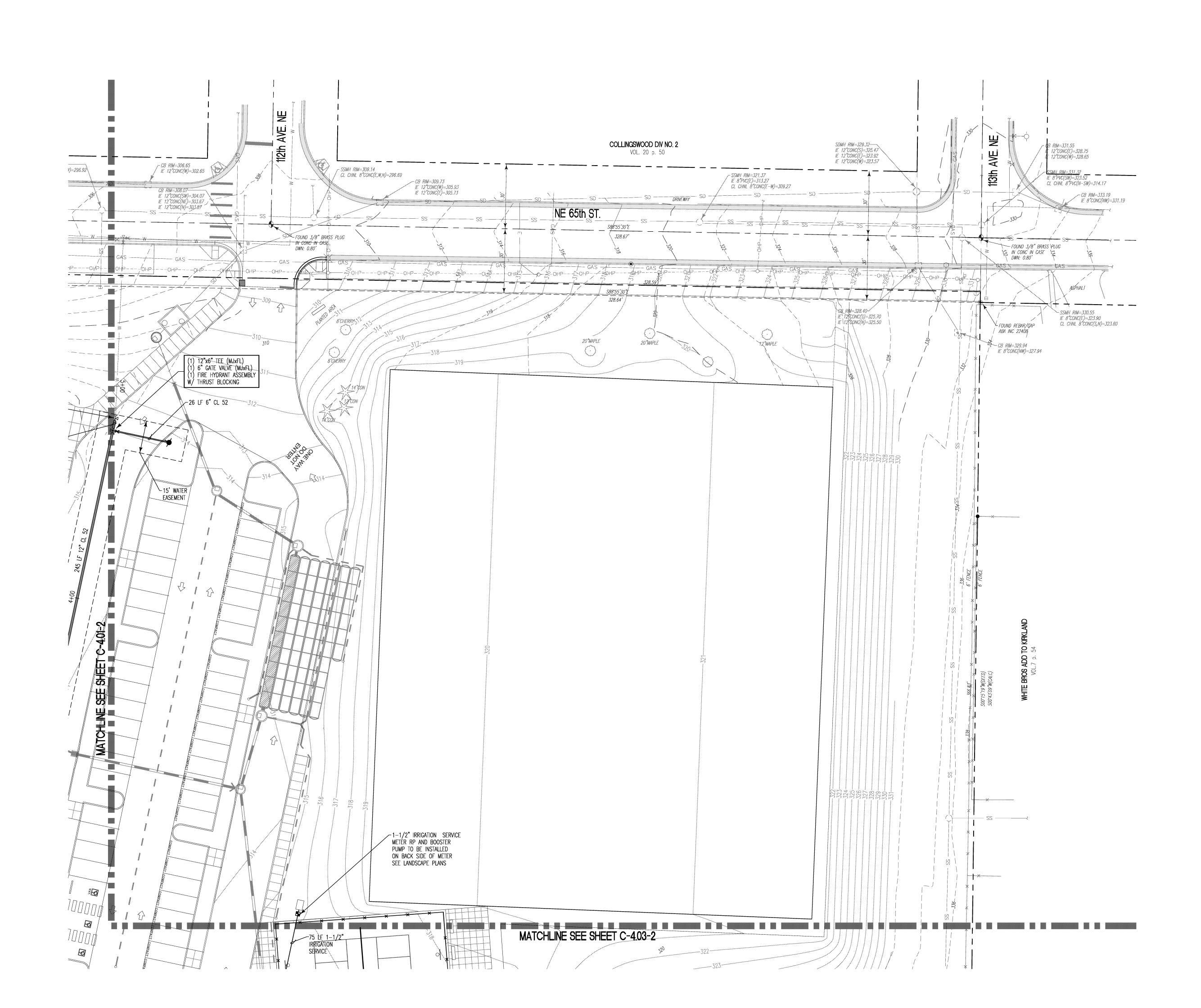
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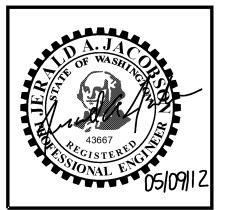
LEGEND			
	<u>EXISTING</u>	REMOVE	PROPOSED
ASPHALT PAVING			
POROUS ASPHALT			
ASPHALT TREATED BAS	SE (ATB)		
CONCRETE PAVING			
PERVIOUS CONCRETE			
HEAVY CONCRETE			
BUILDINGS			
GRAVEL			
RIP RAP CONSTRUCTIO	ON ENTRANCE		
SAWCUT LINE			
CONSTRUCTION LIMITS			
SITE FENCE			
SILT FENCE			
STORM CB W/PROTEC	TION (II)		
CURBING			
ROCKERY			992
GABION WALL			
TREE W/PROTECTION			*0
CONTOUR (INDEX)			100
CONTOUR	98		98
WATER LINE	w		
STORM DRAINAGE LINE	SD		*****
SANITARY SEWER LINE	SS		
POWER	——Р——		——P——
TELEPHONE LINE	—т—		—T
GAS LINE	————G———		——G—
NATER METER/VALVE/	FH⊞ ⋈-Q-		₽ ₩ ∳ -
STORM CB/MH			
SANITARY SEWER MH/	CO () °		0 •
GAS VALVE/METER			Ħ O
STREET LIGHT ASSEMB			+ **
TELEPHONE RISER/MH			• ①

•	<u>existing</u>	<u>REMOVE</u>	<u>PROPOSE</u>
ASPHALT PAVING			
POROUS ASPHALT			
ASPHALT TREATED BA	SE (ATB)		
CONCRETE PAVING			
PERVIOUS CONCRETE			
HEAVY CONCRETE			
BUILDINGS			
GRAVEL			
RIP RAP CONSTRUCTI	ON ENTRANCE		
SAWCUT LINE			
CONSTRUCTION LIMITS	S		
SITE FENCE			
SILT FENCE	_		
STORM CB W/PROTEC	CTION (III)		
CURBING			
ROCKERY			99
GABION WALL			
TREE W/PROTECTION			*(
CONTOUR (INDEX)	100		100
CONTOUR	98		98
WATER LINE	W		
STORM DRAINAGE LIN	ESD		
SANITARY SEWER LINI	SS		
POWER	——Р——		——Р—
TELEPHONE LINE	T		—T—
GAS LINE	G		——G—
WATER METER/VALVE,	T T		BHO
STORM CB/MH			
SANITARY SEWER MH,	/co () ·		0 •
GAS VALVE/METER			Ħ 🗖
STREET LIGHT ASSEM	BLY		+

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30"x42" SCALI	E: AS SHOWN
PLOT DATE:	05-09-12
CAD FILE:	
JOB NUMBER:	C101555-01
CHECKED:	KAW
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STATUS:	BID SET







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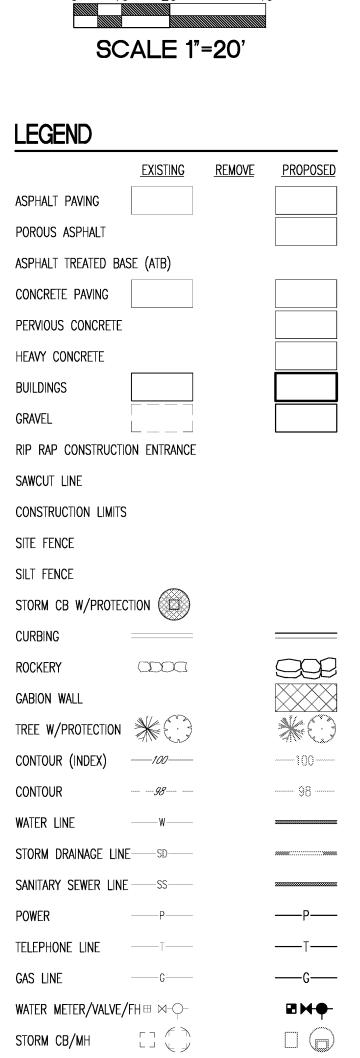
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STRUCTURAL AND CIVIL ENGINEERING CORPORATION

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A CONSULTING

LEGEND			
	<u>EXISTING</u>	<u>REMOVE</u>	<u>PROPOSED</u>
ASPHALT PAVING			
POROUS ASPHALT			
ASPHALT TREATED BAS	SE (ATB)		
CONCRETE PAVING			
PERVIOUS CONCRETE			
HEAVY CONCRETE			
BUILDINGS			
GRAVEL			
RIP RAP CONSTRUCTION	N ENTRANCE		
SAWCUT LINE			
CONSTRUCTION LIMITS			
SITE FENCE			
SILT FENCE	_		
STORM CB W/PROTECT	TION 🗇		
CURBING			
ROCKERY			99
GABION WALL			
TREE W/PROTECTION			*0
CONTOUR (INDEX)	100		100
CONTOUR	98		98
WATER LINE	W		
STORM DRAINAGE LINE	SD		*****
SANITARY SEWER LINE	SS		
POWER	P		——Р——
TELEPHONE LINE	—Т—		—т—
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WATER METER/VALVE/I	FH⊞ ⋈-Q-		₽ ₩ •
STORM CB/MH			
SANITARY SEWER MH/	CO () °		0 •

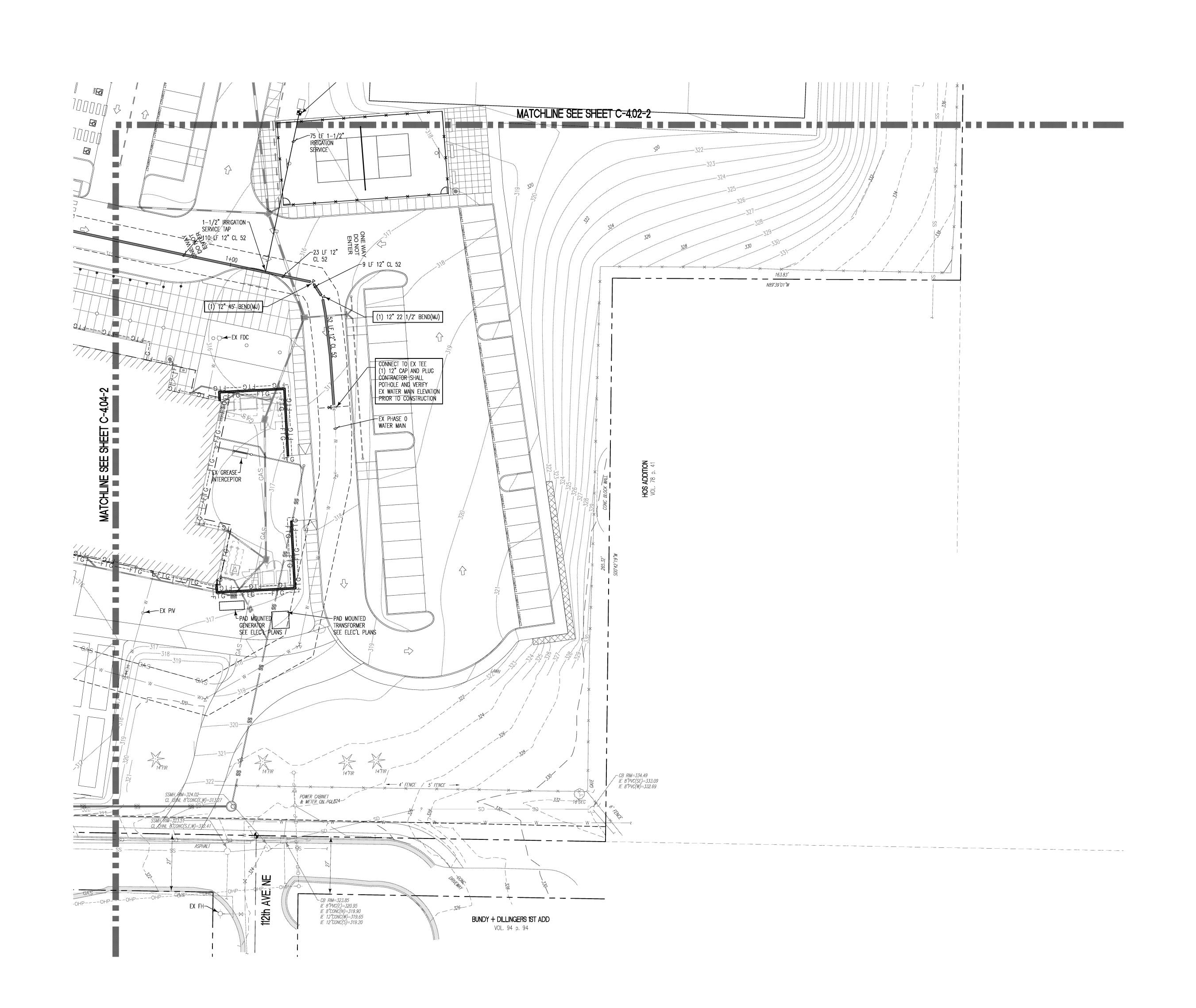


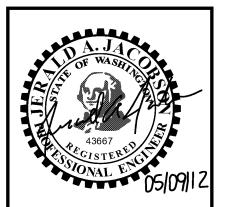
GAS VALVE/METER ⋈ □

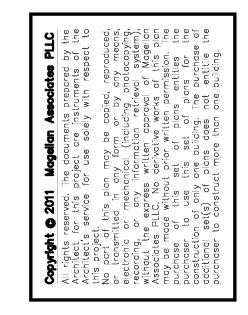
STREET LIGHT ASSEMBLY

	REVI	SIONS	3
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30"x42" SCALI	E: AS SHOWN
PLOT DATE:	05-09-12
CAD FILE:	
JOB NUMBER:	C101555-01
CHECKED:	KAW
DRAWN:	SSN
STATUS:	DID SET







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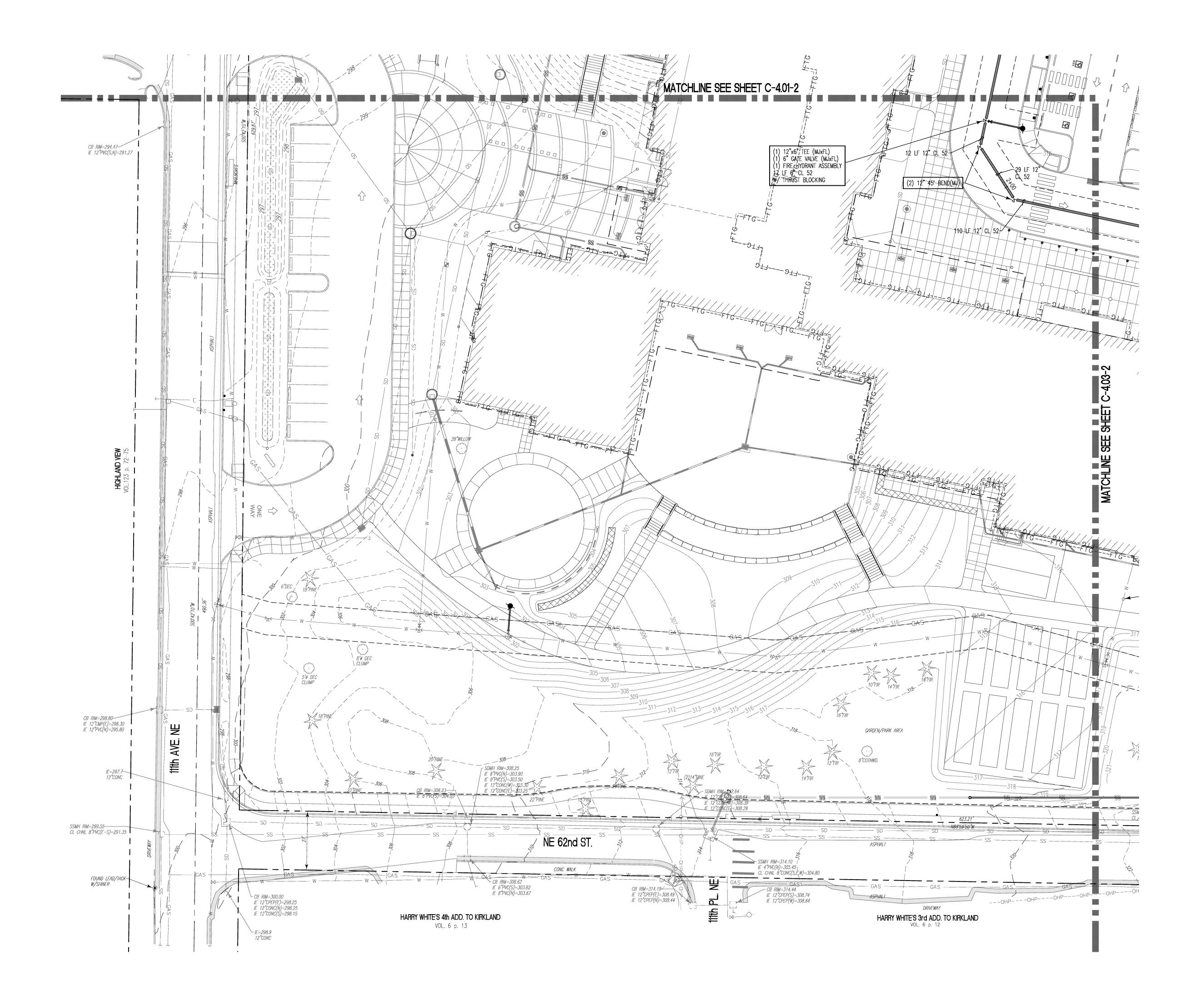
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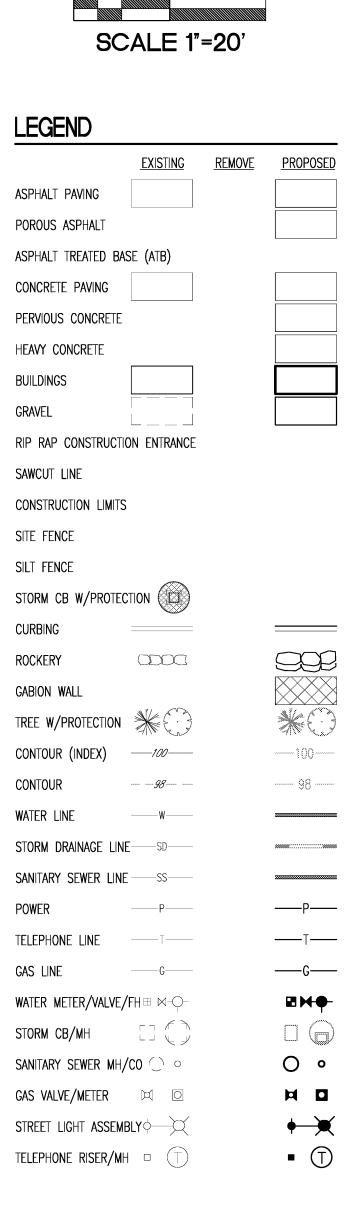
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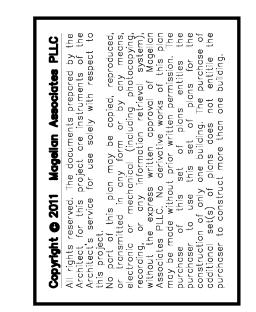
PHASE 2 UTILITY PLAN SW

BID SET

STATUS:









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ISSUE DATES PERMIT RECEIVED: BID DOCS: 05-14-12 CONSTR. DOCS:

NOTE:
PHASE LIMITS DEFINE APPROXIMATE AREA OF CONSTRUCTION OPERATIONS. IT IS ASSUMED THE FENCING WILL BE INSTALLED AT THIS LOCATION. UTILITIES, PHASING AND OTHER

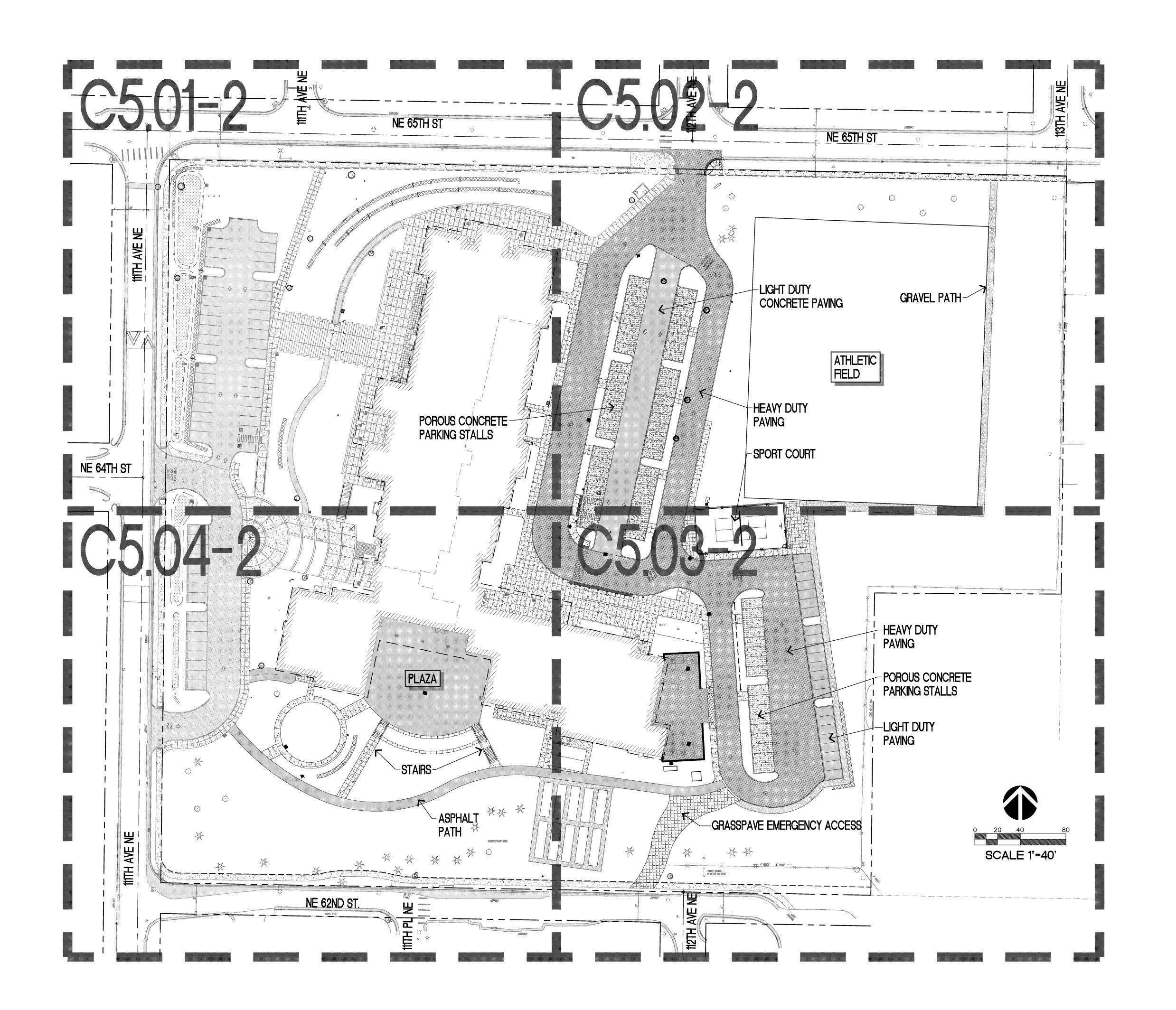
COORDINATION MAY REQUIRE WORK BEYOND

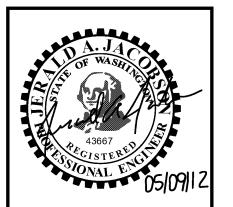
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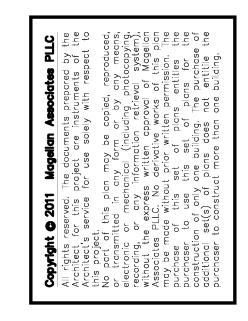
OWNER TO SCHEDULE ACTIVITIES BEYOND THIS LINE IN ANY PHASE.

30"x42" SCALE: AS SHOWN PLOT DATE: 05-09-12 CAD FILE: JOB NUMBER: C101555-01 CHECKED: STATUS: BID SET

PHASE 2 OVERALL PAVING/ HORIZONTAL CONTROL PLAN







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TREE W/PROTECTION

SCALE 1"=20'

<u>EXISTING</u> <u>REMOVE</u> <u>PROPOSED</u>

LEGEND

ASPHALT PAVING

POROUS ASPHALT

CONCRETE PAVING

PERVIOUS CONCRETE

HEAVY CONCRETE

BUILDINGS

SAWCUT LINE

SITE FENCE

SILT FENCE

GABION WALL

CONTOUR

CONTOUR (INDEX)

CONSTRUCTION LIMITS

ASPHALT TREATED BASE (ATB)

RIP RAP CONSTRUCTION ENTRANCE

STORM CB W/PROTECTION

STORM CB/MH

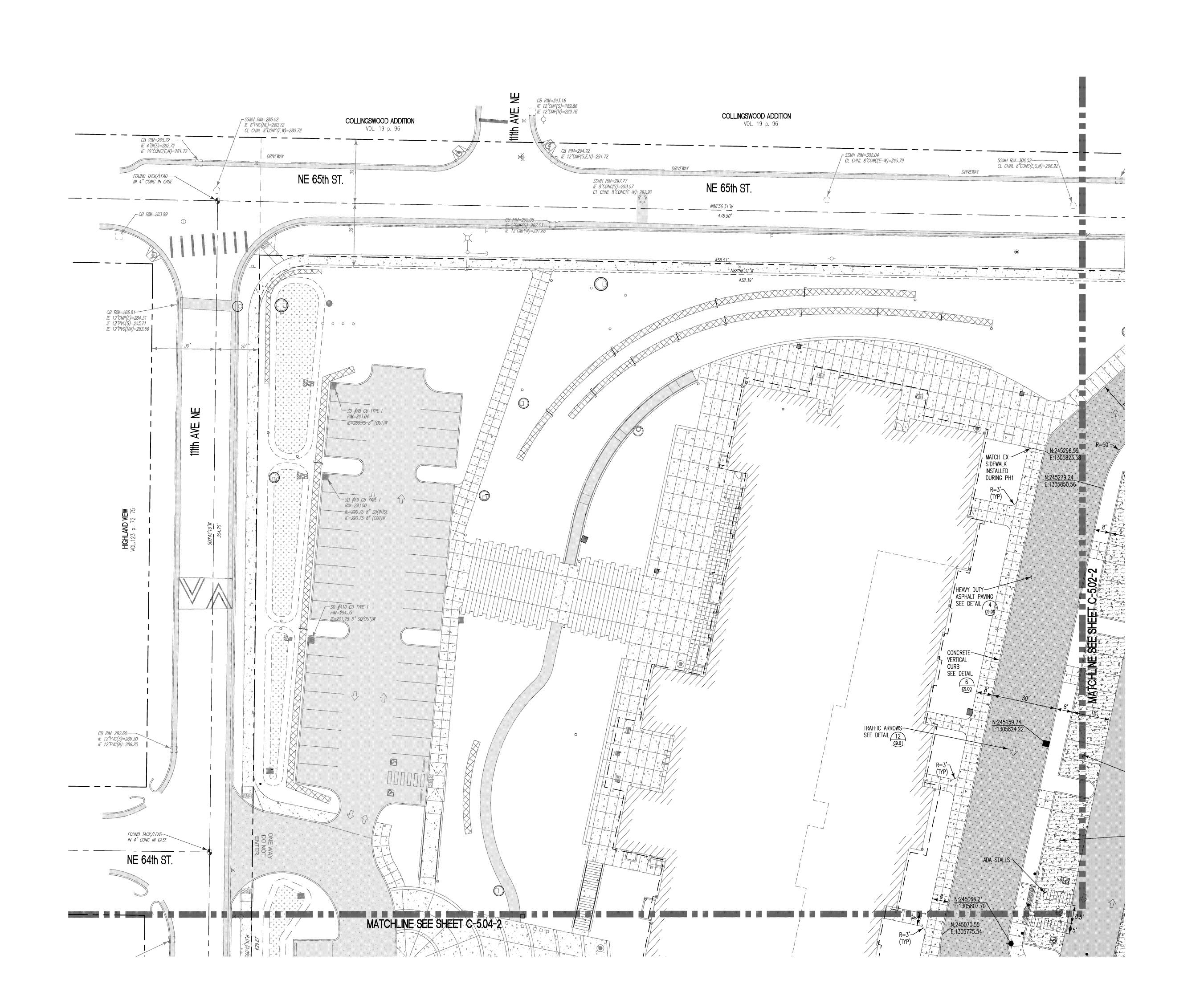
SANITARY SEWER MH/CO 🔘 GAS VALVE/METER 🖂 🖸 STREET LIGHT ASSEMBLY

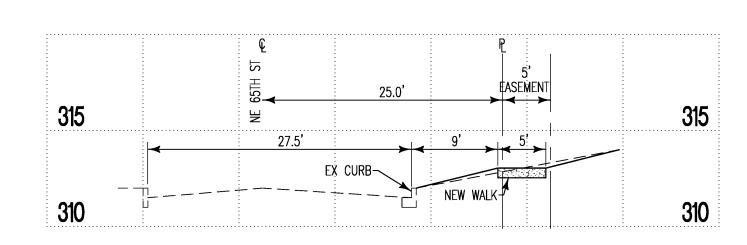
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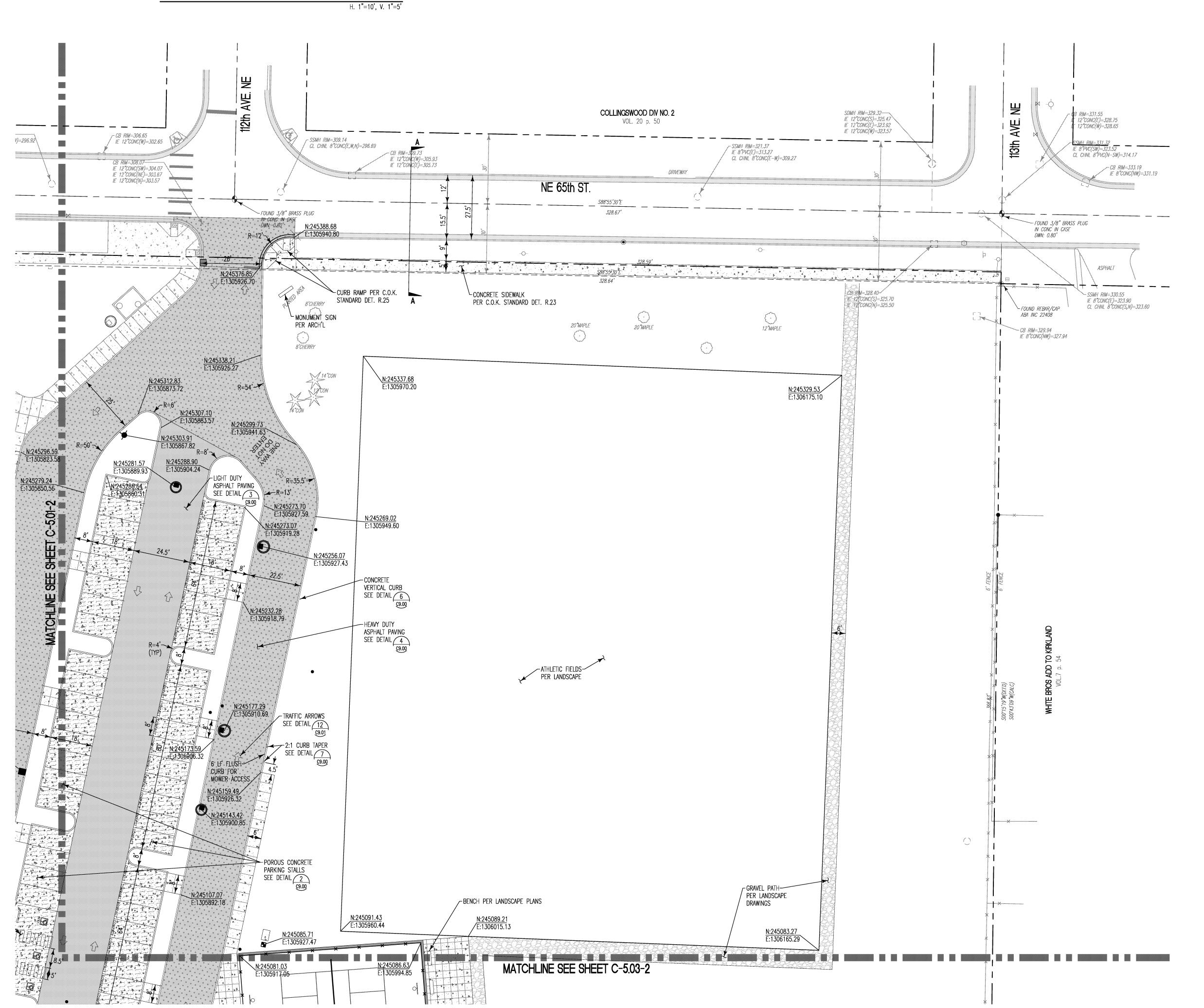
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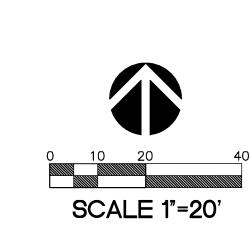
PHASE 2 PAVING/HORIZONTAL



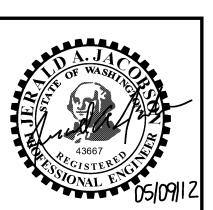


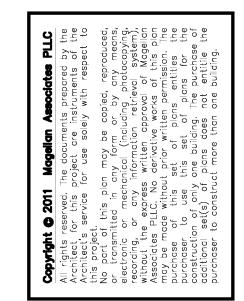
TYPICAL SECTION 65TH ST EAST (A-A)





	<u>EXISTING</u>	<u>REMOVE</u>	<u> P</u> F
ASPHALT PAVING			
POROUS ASPHALT			
ASPHALT TREATED BA	SE (ATB)		
CONCRETE PAVING			
PERVIOUS CONCRETE			
HEAVY CONCRETE			
BUILDINGS			
GRAVEL			
RIP RAP CONSTRUCTI	ON ENTRANCE		
SAWCUT LINE			
CONSTRUCTION LIMITS	S		
SITE FENCE			
SILT FENCE			
STORM CB W/PROTEC	CTION 🗇		
CURBING			=
ROCKERY	ODDQ		\subseteq
GABION WALL			X
TREE W/PROTECTION			
CONTOUR (INDEX)			
CONTOUR			
WATER LINE	W		
STORM DRAINAGE LIN	E SD		
SANITARY SEWER LINE	E SS		
POWER	Р		
TELEPHONE LINE	Т		
GAS LINE	G		
WATER METER/VALVE/	/ FH⊞ - 		
STORM CB/MH			
SANITARY SEWER MH,	/co () 。		
GAS VALVE/METER			ķ





COUGHLIN PORTER LUNDEEN

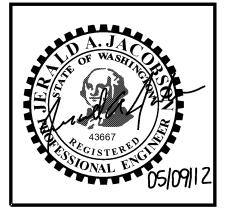
413 PINE STREET - SUITE 300 SEATTLE, WA 98101 P: 206/343-0460 F: 206/343-5691 A CONSULTING STRUCTURAL AND CIVIL ENGINEERING CORPORATION

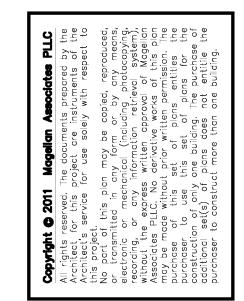
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CONSTR. DOCS:

PHASE 2 PAVING/HORIZONTAL CONTROL PLAN NE







SCALE 1"=20'

EXISTING REMOVE PROPOSED

LEGEND

ASPHALT PAVING

POROUS ASPHALT

CONCRETE PAVING

PERVIOUS CONCRETE

HEAVY CONCRETE

BUILDINGS

SAWCUT LINE

SITE FENCE

SILT FENCE

GABION WALL

CONTOUR (INDEX)

CONTOUR

WATER LINE

TELEPHONE LINE

CONSTRUCTION LIMITS

ASPHALT TREATED BASE (ATB)

RIP RAP CONSTRUCTION ENTRANCE

STORM CB W/PROTECTION

TREE W/PROTECTION

STORM DRAINAGE LINE SE

SANITARY SEWER LINE SS

WATER METER/VALVE/FH⊞
——

STORM CB/MH

SANITARY SEWER MH/CO () o

GAS VALVE/METER 🖂 🖸

STREET LIGHT ASSEMBLY

TELEPHONE RISER/MH 🗆 🗍

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STRUCTURAL AND CIVIL
ENGINEERING CORPORATION

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REVISIONS
NO. DATE BY

ISSUE DATES

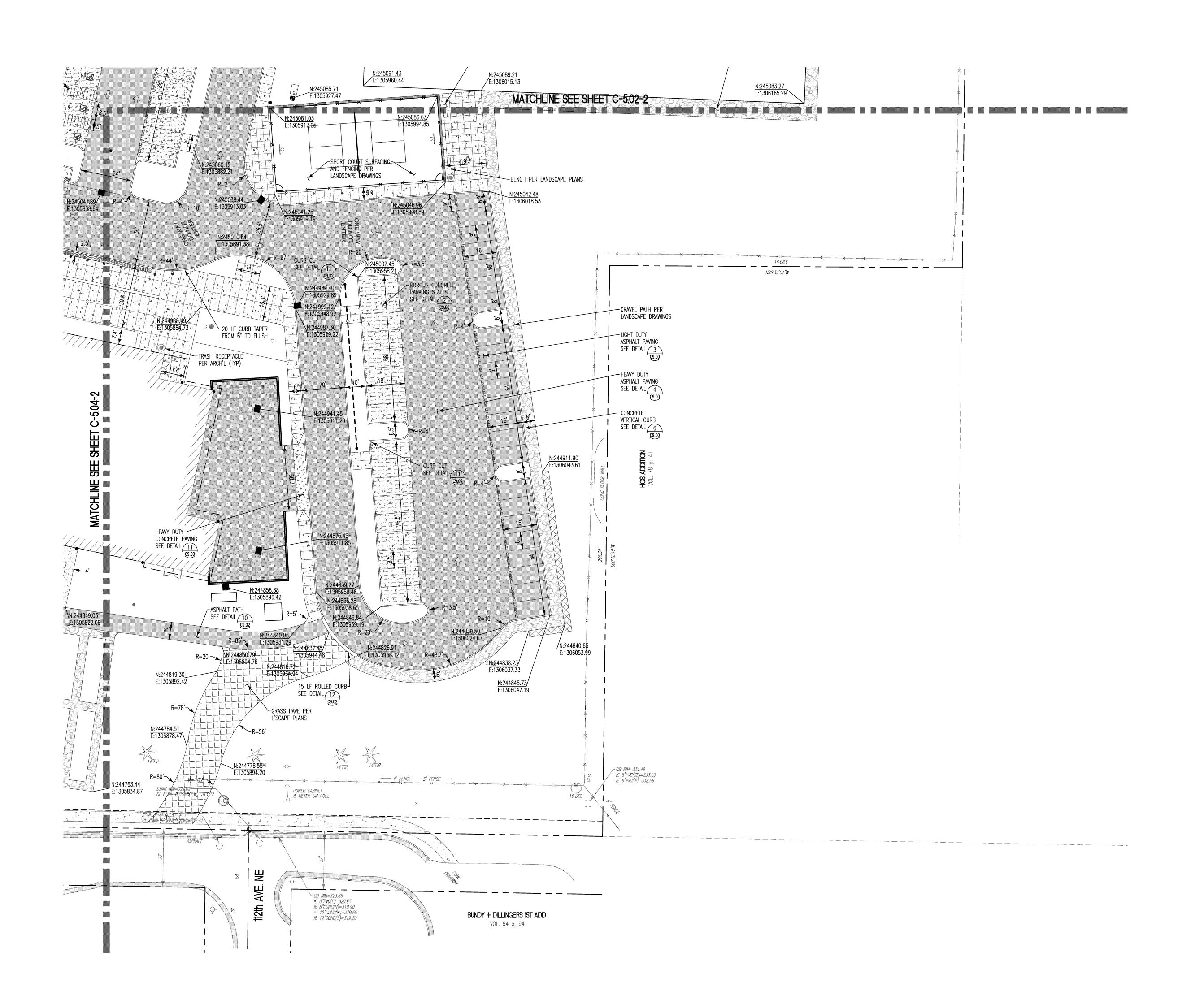
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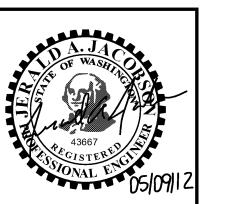
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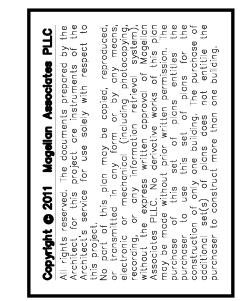
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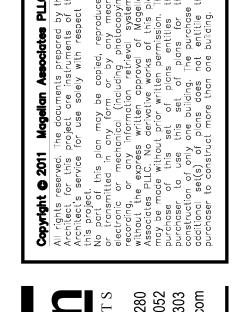
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PHASE 2 PAVING/HORIZONTAL CONTROL PLAN SE



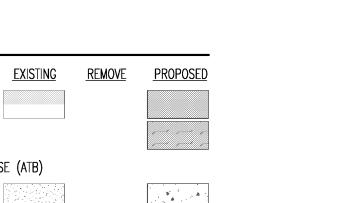






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TELEPHONE LINE



RIP RAP CONSTRUCTION ENTRANCE

SCALE 1"=20'

CONSTRUCTION LIMITS SITE FENCE SILT FENCE STORM CB W/PROTECTION

LEGEND

ASPHALT PAVING

POROUS ASPHALT

CONCRETE PAVING

PERVIOUS CONCRETE

HEAVY CONCRETE

BUILDINGS

SAWCUT LINE

ASPHALT TREATED BASE (ATB)

GABION WALL TREE W/PROTECTION CONTOUR (INDEX)

CONTOUR STORM DRAINAGE LINE

STORM CB/MH 0 • SANITARY SEWER MH/CO 🔘 o GAS VALVE/METER 🖂 🖸 + STREET LIGHT ASSEMBLY



CONSTR. DOCS: 30"x42" SCALE: AS SHOWN PLOT DATE: 05-09-12 CAD FILE: JOB NUMBER: C101555-01 CHECKED: STATUS:

ISSUE DATES

BID DOCS: 05-14-12

PERMIT RECEIVED:

PHASE 2 PAVING/HORIZONTAL CONTROL PLAN SW

