TUKWILA PUBLIC SCHOOLS AUXILIARY PROJECTS PACKAGE #1 TRANSPORTATION BUILDING

ABBREVIATIONS

LONG

BUILDING SECTION INDICATOR

SECTION INDICATOR

SECTION DETAIL INDICATOR

ENLARGED DETAIL INDICATOR

REFERENCE SYMBOLS

AFF APPROX ARCH	ABOVE FINISHED FLOOR APPROXIMATE ARCHITECTURAL	MAX MECH MEZZ MFR	MAXIMUM MECHANICAL MEZZANINE MANUFACTURE, MANUFACT
BLDG BLKG BO	BUILDING BLOCKING BOTTOM OF	MIN MISC MTL	MINIMUM, MINUTE MISCELLANEOUS METAL
CJ CL CLR COL CONC	CONTROL JOINT CENTERLINE CLEAR COLUMN CONCRETE	N NIC NO NTS	NORTH NOT IN CONTRACT NUMBER NOT TO SCALE
CONT D DEMO DTL DIA	CONTINUOUS, CONTINUE DEEP, DEPTH DEMOLISH, DEMOLITION DETAIL DIAMETER	OC OH OD OPNG OPP ORD	ON CENTER OVERHEAD OUTSIDE DIAMETER OPENING OPPOSITE OVERFLOW ROOF DRAIN
DIM DN DS DWG	DIMENSION DOWN DOWNSPOUT DRAWING	PERP PLYWD PL PR	PERPENDICULAR PLYWOOD PROPERTY LINE PAIR
E (E), EXIST EJ EL ELEC EQ EQUIP	EAST EXISTING EXPANSION JOINT ELEVATION ELECTRIC, ELECTRICAL EQUAL EQUIPMENT	PT R RD REINF REQD REV RM	PAINT, POINT, PRESSURE T RADIUS, RISER ROOF DRAIN, ROAD REINFORCED, REINFORCING REQUIRED REVISED, REVISION ROOM
FCIO FIN FO FOIC FT	FURNISHED BY CONTRACTOR/ INSTALLED BY OWNER FINISH, FINISHED FACE OF FURNISHED BY OWNER/ INSTALLED BY CONTRACTOR FOOT, FEET	RO S SHT SHTHG SIM SPEC SQ SS	ROUGH OPENING SOUTH SHEET SHEATHING SIMILAR SPECIFICATION SQUARE STAINLESS STEEL
GA GALV GWB GYP BD	GAGE, GAUGE GALVANIZED GYPSUM WALL BOARD GYPSUM BOARD	STL STOR STRUCT SUSP	STEEL STORAGE STRUCTURAL SUSPENDED
H HORIZ HR	HIGH HORIZONTAL HOUR	T&G TO TYP	TONGUE AND GROOVE TOP OF TYPICAL
HT HVAC	HEIGHT HEATING, VENTILATING, AND AIR CONDITIONING	UON VERT W	UNLESS OTHERWISE NOTE VERTICAL WEST, WIDE
ID INSUL	INSIDE DIAMETER INSULATION	W/ W/O	WITH WITHOUT

WOOD

XX'-XX"
XXXXXXX

MATCH LINE

SEE SHEET AX.XX

ELEVATION INDICATOR

MATCHLINE INDICATOR

GENERAL NOTES

- NOTHING IN THE DRAWINGS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES, REGULATIONS RESTRICTIONS. REQUIREMENTS, AND CODES OF THE GOVERNING
- THE DRAWINGS ARE INTENDED TO DESCRIBE THE OVERALL SCOPE OF WORK. CONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS ON THE PROJECT AND ALERT THE ARCHITECT TO ANY CONFLICTS BEFORE BEGINNING WORK.
- DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL USE DIMENSIONS SHOWN ON THE DRAWINGS AND ACTUAL FIELD MEASUREMENTS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES
- CONTRACTOR TO VERIFY ALL DIMENSIONS, PROPERTY LINES, MEASUREMENTS AND CONDITIONS IN THE FIELD BEFORE BEGINNING WORK. ANY DISCREPANCIES. ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- TYPICAL WALL SECTIONS, FINISHES, AND DETAILS ARE NOT INDICATED EVERYWHERE THEY OCCUR ON PLANS, ELEVATIONS, AND SECTIONS. REFER TO DETAILED DRAWINGS.
- DETAILED AND/OR LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER GENERAL AND SMALLER SCALE DRAWINGS
- GENERALLY PLAN DIMENSIONS SHOWN ARE TO FINISH OPENING, FACE OF CONCRETE, FACE OF STUD AND FINISH FACE OF WALL. UNLESS NOTED OTHERWISE.
- UNLESS OTHERWISE NOTED, ALL ANGLES TO BE RIGHT ANGLES, ALL LINES WHICH APPEAR PARALLEL ARE TO BE PARALLEL, AND ALL ITEMS WHICH APPEAR CENTERED ARE TO BE CENTERED CONTRACTOR TO BE RESPONSIBLE FOR MAINTAINING ALL LINES TRUE, LEVEL, PLUMB, AND SQUARE.
- CONTRACTOR TO COMPLY WITH CIVIL, LANDSCAPE, STRUCTURAL MECHANICAL AND ELECTRICAL NOTES.
- 10. MECHANICAL AND ELECTRICAL SUBCONTRACTORS SHALL OBTAIN ALL
- 11. THE CONTRACTOR SHALL VERIFY ALL ROUGH-IN DIMENSIONS FOR THE EQUIPMENT.
- 12. ALL ATTACHMENTS, CONNECTIONS, AND FASTENINGS OF ANY NATURE ARE TO BE PROPERLY AND PERMANENTLY SECURED IN CONFORMANCE WITH THE BEST PRACTICES OF THE BUILDING INDUSTRY. DRAWINGS SHOW ONLY SPECIAL REQUIREMENTS TO ASSIST THE CONTRACTOR AND DO NOT SHOW EVERY DETAIL.
- 13. CAULKING AND SEALANTS. USE PRIMERS AS REQUIRED BY MANUFACTURER. BACKING RODS OR TAPE AS RECOMMENDED BY MANUFACTURER AND PER SPECIFICATIONS.
- 14. VAPOR BARRIERS. CONTINUOUS AND APPROVED VAPOR BARRIERS SHALL BE INSTALLED ON THE HEATED SIDE OF ALL THERMAL INSULATION INSTALLED AS INDICATED. SEAL ALL EDGES.
- 15. CONTRACTOR AT BEGINNING OF WORK TO FLUSH ALL ROOF DRAINS TO CONFIRM IN WORKING ORDER. AT CONCLUSION OF WORK CONTRACTOR TO TEST ALL ROOF DRAINS TO CONFIRM IN WORKING ORDER AND TIGHT LINES THROUGHOUT BUILDING AND PROVIDE CONFIRMATION REPORT TO OWNER.
- 16. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES AND PROTECT AS REQUIRED PRIOR TO COMMENCEMENT OF WORK,
- 17. CONTRACTOR TO COORDINATE ALL OPERATIONS WITH OWNER, INCLUDING: SITE ACCESS, MATERIALS STORAGE, AND STAGING, INTERRUPTION OF ELECTRICAL AND MECHANICAL SERVICES AND TIMING OF NOISY AND DISRUPTIVE OPERATIONS. CONTRACTOR TO VERIFY SEQUENCE OF WORK WITH OWNER.
- 18. CONTRACTOR TO PROTECT EXISTING FURNISHINGS, FIXTURES, EQUIPMENT AND LANDSCAPING FROM DAMAGE. CONTRACTOR TO REPLACE IN KIND ANY SUCH ITEMS DAMAGED.
- 19. CONTRACTOR SHALL PROTECT ALL ROOF OPENINGS FROM WATER PENETRATION DURING CONSTRUCTION.
- 20. CONTRACTOR SHALL MAINTAIN CURRENT RECORD DRAWINGS FOR ARCHITECT'S PERIODIC REVIEW.
- 21. AS BUILT DRAWINGS ARE BASED ON RECORD DRAWINGS AND MAY BE INCLUDED FOR REFERENCE AS TO THE SCOPE OF WORK ONLY. CONTRACTOR SHALL VISIT SITE PRIOR TO BID, EXAMINE EXISTING

CONDITIONS AND INCLUDE ALL DEMOLITION REQUIREMENTS FOR THE SCOPE OF THE PROJECT IN THE CONTRACT SUM. NO ADDITIONAL PAYMENTS WILL BE MADE FOR FAILURE TO OBTAIN ALL REQUIRED INFORMATION AND MAKE KNOWN ANY INACCURACIES.

- 22. THROUGHOUT THE DRAWINGS ARE ABBREVIATIONS THAT ARE IN COMMON USE. THE LIST OF ABBREVIATIONS PROVIDED IS NOT INTENDED TO BE COMPLETE OR REPRESENTATIVE OF CONDITIONS OR MATERIALS USED ON THIS PROJECT. THE ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION
- 23. INTERIOR PARTITION TYPES ARE GENERALLY KEYED ON ARCHITECTURAL FLOOR PLANS. SEE PARTITION TYPE FOR DESCRIPTIONS. THE FINISH SCHEDULE AUGMENTS THE PARTITION TYPE DESCRIPTION WITH INFORMATION REGARDING MATERIALS AND FINISHES.
- 24. GENERALLY. THE EXISTING ELEMENTS ARE SHOWN WITH LIGHT SCREENED LINES. WHILE NEW OR DEMOLISHED ELEMENTS REQUIRED BY THE PROJECT ARE SHOWN WITH DARK LINES.
- 25. ALL DOOR NUMBERS APPEAR ON THE PLANS EXCEPT WHERE ENLARGED PLANS ARE INDICATED. RELITES ARE NOT SCHEDULED UNLESS THEY ARE ADJACENT TO A DOOR, INDEPENDENT RELITES ARE SHOWN ON INTERIOR ELEVATIONS AND DETAIL KEYS ARE INDICATED THERE. NOTE THAT HOLLOW METAL DOOR SECTIONS ALSO OCCUR AT CERTAIN EXTERIOR ELEVATIONS.
- 26. MATERIAL FINISH CODES WHICH IDENTIFY MATERIAL AND FINISHES THROUGHOUT THE DRAWINGS ARE LISTED ON THE FINISH SCHEDULES. THE SPECIFICATIONS SECTIONS WHICH DEFINE THE MATERIALS ARE REFERENCED. FINISH SCHEDULE INDICATES THE VARIOUS FLOOR, WALL AND CEILING FINISHES IN THE INDIVIDUAL ROOMS INDICATED, REFER TO THE FINISH SCHEDULE NOTES FOR GENERAL FINISH INFORMATION AND WORK.
- DEFINITIONS OF FINISH CEILINGS ARE SHOWN ON THE REFLECTED CEILING PLAN, MATERIAL, DIMENSIONS OF ELEMENTS WITHIN CEILING. AND SPOT ELEVATIONS OF VARIOUS CEILING PLANES ARE SHOWN LAYOUTS OF LIGHT FIXTURES, MECHANICAL DIFFUSERS, ETC. IN ROOMS WITHOUT CEILINGS ARE SHOWN FOR DESIGN CLARITY ON REFLECTED CEILING PLANS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR RESPECTIVE LAYOUTS, COORDINATE AS REQUIRED.
- 28. ROOFING TYPES ARE INDICATED ON THE ROOF LEVEL PLAN AT WHICH THEY OCCUR. THE MATERIAL FINISH CODE (RT) DESIGNATES ROOF TYPE DESCRIPTION, PROVIDE THERMAL ROOF INSULATION AS INDICATED BY ROOFING CODES.

SITE S 126TH ST S 128TH ST S 130TH S **LOCATION MAP**

SCALE: N.T.S.

PROJECT DATA INFORMATION

PROJECT DESCRIPTION: NEW ONE STORY TRANSPORTATION SUPPORT BUILDING LOCATED ON THE SW CORNER OF SITE AT EXISTING IMPERVIOUS SURFACE, ADJUSTMENT OF BUS PARKING AND STAFF PARKING. LANDSCAPE MODIFICATION AROUND EXISTING SITE PERIMETER.

SITE ADDRESS: 12801 E. MARGINAL WAY SOUTH TUKWILA, WA 98168 PARKING LOT AT CORNER OF SOUTH 128TH STREET AND EAST MARGINAL WAY, A PORTION OF NE 1/4 OF THE NW 1/4 OF SEC, 15. TWN. 23 N., RGE.04 E. W.M. CITY OF TUKWILA, KING COUNTY WASHINGTON.

ASSESSOR'S PARCEL NO: 238420-0010

LEGAL DESCRIPTION:

LOT B OF CITY OF TUKWILA SHORT PLAT NO 90-4-SS RECORDING NO 9101140403, RECORDS OF KING COUNTY WASHINGTON.

JURIDICTION: CITY OF TUKWILA APPLICABLE CODES: 2015 INTERNATIONAL BUILDING CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 INTERNATIONAL FIRE CODE 2015 INTERNATIONAL PLUMBING CODE AND ALL RELATED STANDARDS AND STATE AMENDMENTS 2015 WASHINGTON STATE ENERGY CODE

ZONING DESIGNATION: NCC CONSTRUCTION TYPE: V-B OCCUPANCY TYPE: A-2, B, S-1

LOT AREA: 1.41 ACRES/ 61440 SF PROPOSED TOTAL FLOOR AREA: 2.530 SF MAX BUILDING HEIGHT: 35'-0"

PROJECT TEAM

TUKWILA SCHOOL DISTRICT OWNER 4640 S 144TH STREET

> TUKWILA, WA 98168 CONTACT: JEFF FEENEY, PROJECT MANAGER TEL: (206) 979 - 9370

FAX: N/A

ARCHITECT ROLLUDA ARCHITECTS 105 S MAIN ST, SUITE 323 SEATTLE WA, 98104 CONTACT: ALEXANDER CLARK, AIA ALEX.CLARK@ROLLUDAARCHITECTS.COM TEL: (206) 624-4222

> AHBL, INC 1200 6TH AVENUE. SUITE 1620 SEATTLE WA, 98101 CONTACT: CHARLIE PALMER, DOUG TAFF

CPALMER@AHBL.COM TEL: (206) 267-2425 FAX: (206) 267-2429

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MECHANICAL TRESWEST ENGINEERS

2702 S 42ND ST #301, TACOMA, WA 98409 CONTACT: REID HERRON RSH@TRESWEST.COM TEL: (253) 472-3300 FAX: (253) 363-9402

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2702 S 42ND ST #301, TACOMA, WA 98409 CONTACT: SCOTT FELTON SKF@TRESWEST.COM TEL: (253) 472-3300 FAX: (253) 363-9402

STRUCTURAL REID MIDDLETON

728 134TH ST SW, SUITE 200, EVERETT, WA 98204 CONTACT: PAUL CROCKER PCROCKER@REIDMIDDLETON.COM TEL: (425) 741.3800 FAX: (425) 741.3900

LANDSCAPE AHBL, INC

1200 6TH AVENUE, SUITE 1620 SEATTLE WA, 98101 CONTACT: MEREDITH SESSIONS MSESSIONS@AHBL.COM TEL: (206) 267-2425 FAX: (206) 267-2429

DRAWING INDEX - TRANSPORTATION BUILDING SITE

TOPOGRAPHIC SURVEY

ARCHITECTURAL

FLOOR PLAN **ROOF PLAN**

BUILDING SECTIONS

PLANTING PLAN IRRIGATION PLAN

GENERAL

COVER SHEET

CIVIL

CIVIL SITE PLAN

TA1.01 SITE PLAN PROPOSED

EXTERIOR ELEVATIONS

LANDSCAPE

LANDSCAPE DETAILS **IRRIGATION DETAILS**

ELECTRICAL

LTG.01 SITE LIGHTING CALCULATION

ACKAGE JING PUBLIC SCHOOLS PROJECTS PAC RTATION BUILDIN AL WAY SOUTH, TUKWILA, WA 981 TUKWILA I AUXILIAR) TRANSPO 12801 EAST MARGIN REVISION

#

DATE

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REGISTERED

STATE OF WASHINGTON

105 S. Main Street Suite 323

Seattle, WA 98104 t: 206-624-4222

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Checked: Project No. 331-16-01

CUP UPDATES

4/10/2017 Date:

Drawing Title

COVER SHEET

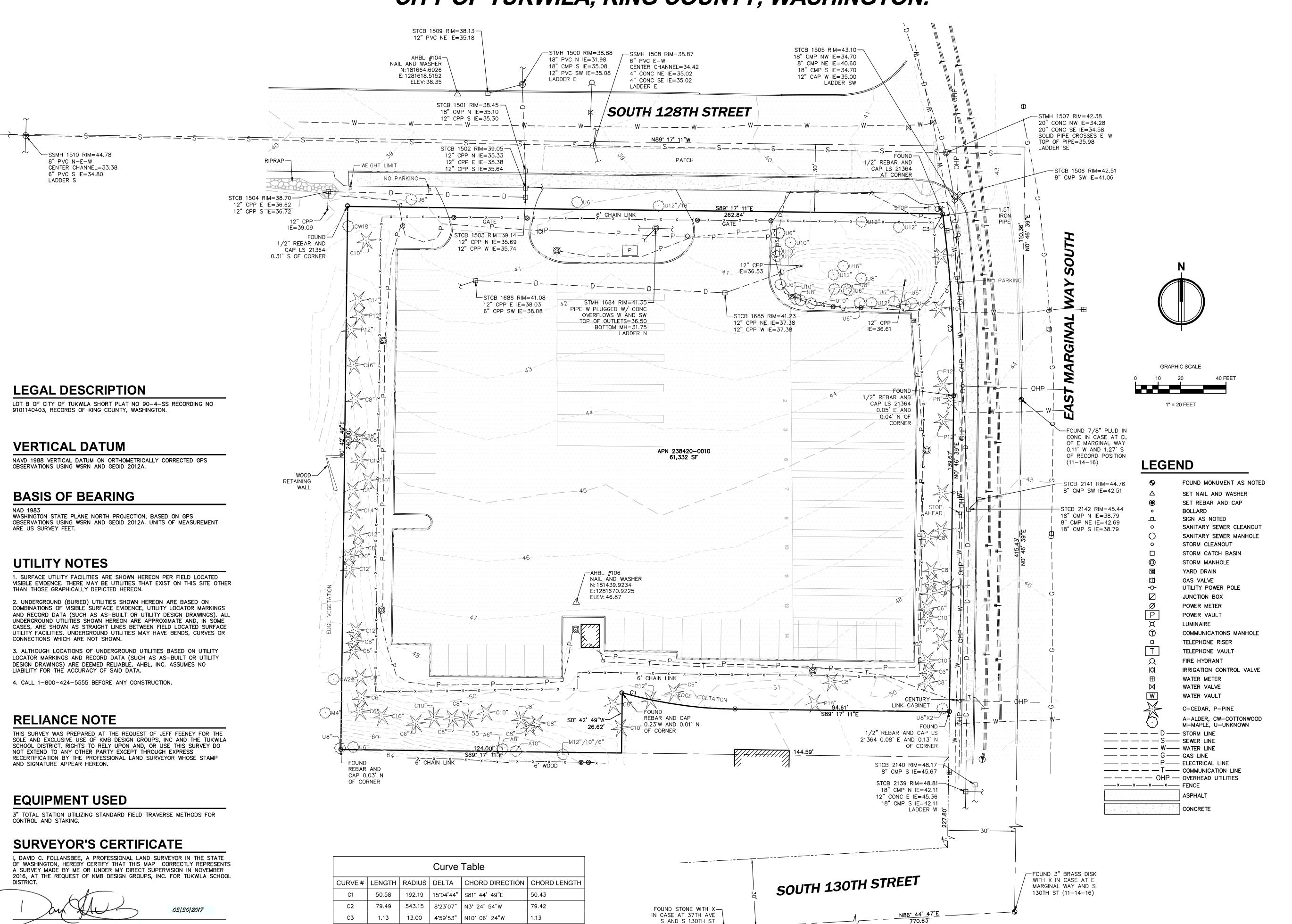
Drawing Number TG0.01

CUP UPDATES

COLUMN GRIDLINE INDICATOR XX **FLAGNOTE** DRAWING REVISION INDICATOR

TUKWILA SCHOOL DISTRICT NEW BUS BARN

A PORTION OF THE NE 1/4 OF THE NW 1/4 OF SEC. 15, TWN. 23 N., RGE. 04 E. W.M. CITY OF TUKWILA, KING COUNTY, WASHINGTON.



DAVID C. FOLLANSBEE, PLS 45161

DATE



TUKWILA SCHOOL DISTRICT NEW BUS BARN

<u>Client:</u>

<u>Project Title:</u>

TUKWILA SCHOOL DISTRICT

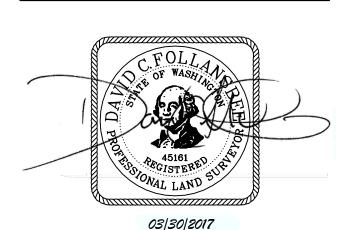
CO: KMB DESIGN GROUPS, INC 906 COLUMBIA STREET, SUITE 400 OLYMPIA, WA 98501 JEFF FEENEY

Job No.

2160801.50

Issue Set & Date:

MARCH 30, 2017



NOTICE

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Revisions:

Sheet Title:

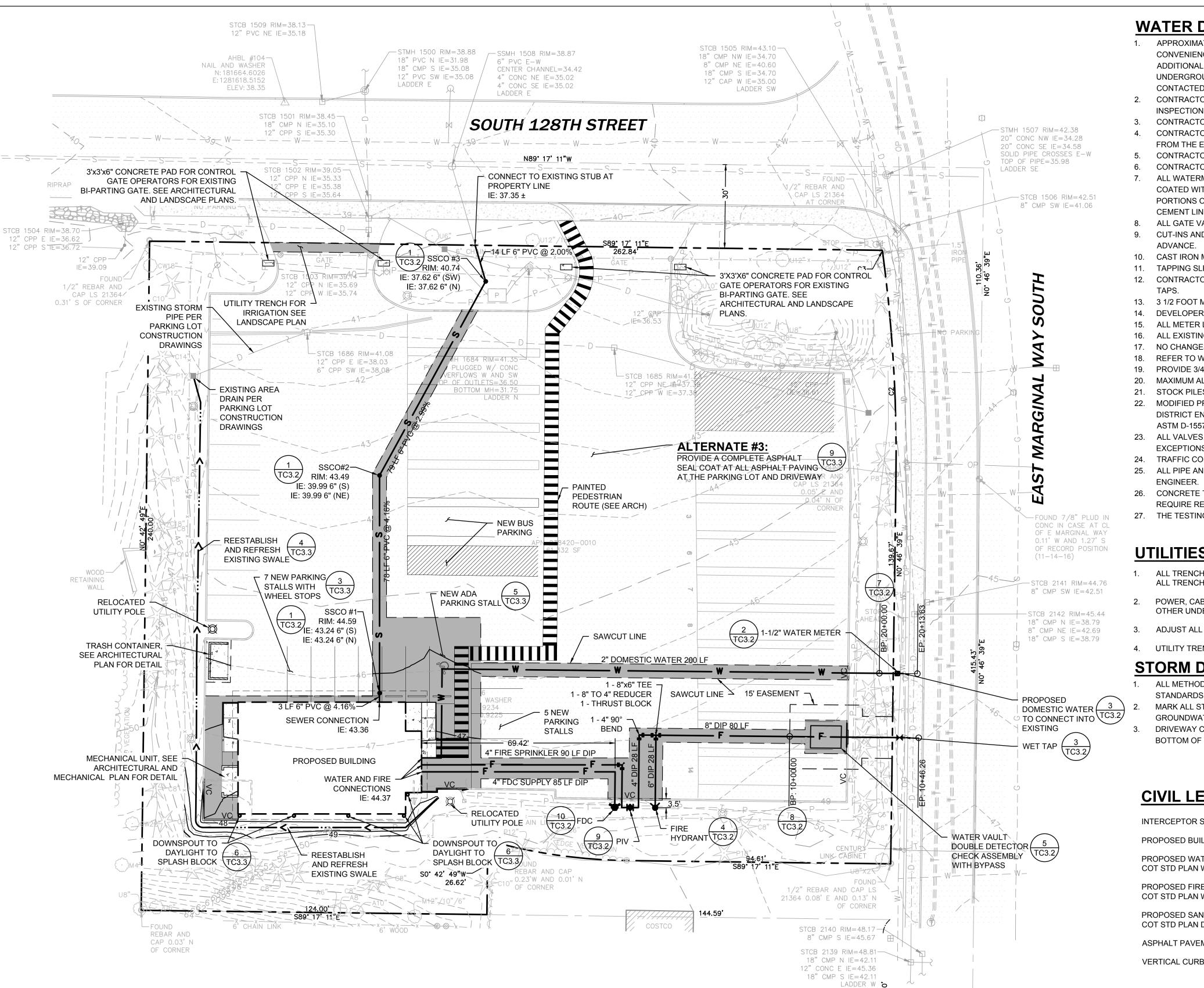
TOPOGRAPHIC SURVEY

<u>Designed by:</u> <u>Drawn by:</u> TD

<u>Checked by:</u>

<u>Sheet No.</u>

T-11 of 1 Sheets



WATER DISTRICT NO.125 STANDARD NOTES:

- APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATION SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE. THE CONTRACTOR SHALL CONTACT THE UTILITIES UNDERGROUND LOCATION CENTER (1-800-424-5555) PRIOR TO CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE SHALL BE CONTACTED IF A UTILITY CONFLICT EXISTS.
- CONTRACTOR SHALL NOTIFY DISTRICT ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL REQUESTS FOR STAKING, TESTING OR
- CONTRACTOR IS RESPONSIBLE FOR CONTROL AT THE TIME OF STAKING.
- CONTRACTOR SHALL FURNISH SHOP DRAWINGS FOR APPROVAL WHERE REQUIRED BY THE DETAIL SPECIFICATIONS AND FOR VARIATION
- CONTRACTOR SHALL INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND WD #125 SPECIFICATIONS. CONTRACTOR SHALL FURNISH ALL MATERIALS.
- ALL WATERMAIN PIPE SHALL BE DUCTILE IRON CLASS 52, PUSH-ON JOINT OR MECHANICAL JOINT, CEMENT LINED (ANSI A21.4), EXTERIOR COATED WITH MANUFACTURER'S RECOMMENDATIONS. ALL FITTINGS SHALL BE CAST IRON AND SHALL CONFORM TO APPLICABLE PORTIONS OF ANSI STANDARD A21.10, A21.11, B16.2, B16.4 AND A21.53, WITH A MINIMUM PRESSURE RATING OF 150 PSI AND WILL BE
- ALL GATE VALVES TO BE MUELLER. ALL HYDRANTS TO BE MUELLER.
- CUT-INS AND LIVE TAPS TO BE MADE BY CONTRACTOR. WD #125 SUPERINTENDENT AND ENGINEER MUST BE NOTIFIED 48 HOURS IN ADVANCE.
- 10. CAST IRON MECHANICAL JOINT SLEEVE COUPLINGS REQUIRED.
- 11. TAPPING SLEEVES SHALL BE MUELLER CAST IRON, JCM EPOXY COATED STEEL, OR ROMAC SST WITH STAINLESS STEEL FLANGE.
- 12. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING PIPE TYPES AND SIZES FOR COUPLINGS, CONNECTIONS, CUT-INS, AND LIVE
- 13. 3 1/2 FOOT MINIMUM COVER OVER ALL WATERMAIN PIPES.
- 14. DEVELOPER TO PAY FOR STATE, COUNTY AND CITY INSPECTION FEES.
- ALL METER LOCATIONS TO BE COORDINATED WITH WATER DISTRICT NO. 125 SUPERINTENDENT
- ALL EXISTING FIRE HYDRANTS AND MAINS TO BE OPERATIONAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 17. NO CHANGES ARE TO BE MADE WITHOUT WRITTEN APPROVAL BY THE WD #125 SUPERINTENDENT OR DISTRICT ENGINEER.
- 18. REFER TO WD #125 CONDITIONS AND STANDARDS, FOR ALL REMAINING NOTES AND DETAILS
- 19. PROVIDE 3/4" SERVICE LINE AND TAP CONNECTIONS FOR EACH EXISTING WATER METER.
- 20. MAXIMUM ALLOWABLE OPEN TRENCH SHALL BE 80'.
- 21. STOCK PILES SHALL BE COVERED DURING ALL PERIODS OF PRECIPITATION. 22. MODIFIED PROCTOR COMPACTION AND MOISTURE CONTROL TEST REQUIRED AND COPIES OF TEST REPORTS SUBMITTED TO THE DISTRICT ENGINEER. ALL COMPACTION UNDER PAVED AND TRAFFIC ARES SHALL BE 95% MAXIMUM DENSITY MODIFIED PROCTOR PER
- 23. ALL VALVES, FIRE HYDRANTS AND SERVICES TO THE METER STOP TO BE INCLUDED AS PART OF ALL PRESSURE AND PURITY TESTS. NO **EXCEPTIONS**.
- 24. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH CITY OF TUKWILA REQUIREMENTS

ASTM D-1557. ALL OTHER AREAS TO BE 90% MAXIMUM DENSITY MODIFIED PROCTOR.

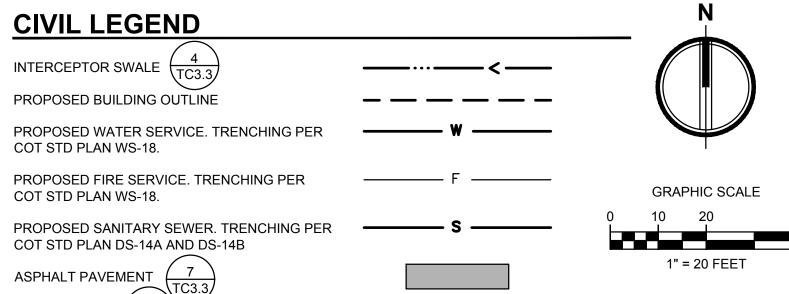
- 25. ALL PIPE AND APPURTENANCES TO BE TESTED WITHIN 10 FEET OF ANY CONNECTION POINTS UNLESS OTHERWISE APPROVED BY **ENGINEER**
- 26. CONCRETE THRUST BLOCKING SHALL BE PROVIDED AT ALL BENDS, TEES, VALVES OR OTHER APPURTENANCES WHERE INTERNAL FORCES REQUIRE RESTRAINT. BLOCKING SHALL BE IN ACCORDANCE WITH WATER DISTRICT NO. 125 STANDARDS.
- 27. THE TESTING AND DISINFECTION OF THE WATER SYSTEM SHALL BE WITNESSED BY WATER DISTRICT NO 125.

UTILITIES NOTES:

- ALL TRENCH EXCAVATION OPERATIONS SHALL MEET OR EXCEED ALL APPLICABLE SHORING LAWS FOR TRENCHES OVER 4-FEET DEEP. ALL TRENCH SAFETY SYSTEMS SHALL MEET WISHA REQUIREMENTS.
- POWER, CABLE, FIBER OPTICS, AND TELEPHONE LINES SHALL BE IN A TRENCH WITH A 5' MINIMUM HORIZONTAL SEPARATION FROM OTHER UNDERGROUND UTILITIES.
- ADJUST ALL MANHOLES, CATCH BASINS, AND VALVES IN PUBLIC RIGHTS-OF-WAY OR EASEMENTS AFTER ASPHALT PAVING.
- 4. UTILITY TRENCHING BEDDING AND BACKFILL SHALL BE PER DETAIL 8 ON SHEET TC3.3

STORM DRAINAGE NOTES:

- ALL METHODS AND MATERIALS SHALL MEET CITY OF TUKWILA DEVELOPMENT GUIDELINES AND DESIGN AND CONSTRUCTION
- STANDARDS, AND THE ADOPTED KING COUNTY SURFACE WATER DESIGN MANUAL, UNLESS OTHERWISE APPROVED. MARK ALL STORM DRAIN INLETS WITH "DUMP NO WASTE" AND EITHER "DRAINS TO STREAMS", "DRAINS TO WETLANDS", OR "DRAINS TO
- GROUNDWATER", AS APPLICABLE. DRIVEWAY CULVERTS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3:1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH. CULVERTS SHALL HAVE BEVELED END SECTIONS THAT MATCH THE SIDE SLOPE.



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(1)

REVISION DATE

Design: Jared McDonald Jared McDonald Drawn: Doug Tapp Checked: Project No. 331-16-01

Issuance **CUP UPDATES**

Date: 4/10/2017

Drawing Title

CIVIL SITE PLAN

Drawing Number

TC3.0



RELOCATED (E) LIGHT POLE

SOUTH 130TH STREET

0 5' 10'

PAVEMENT DAMAGE PRIOR TO

2. RE-STRIPE ENTIRE PARKING

3. SEE LANDSCAPE & CIVIL DRAWINGS FOR ADDITIONAL

SURFACE

AS INDICATED.

INFORMATION

RESURFACING ENTIRE PARKING

SURFACE, MATCHING EXISTING

LAYOUT. STRIPE NEW LAYOUT

rolluda architects

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TUKWILA PUBLIC SCHOOLS
AUXILIARY PROJECTS PACKAGE #
TRANSPORTATION BUILDING
12801 EAST MARGINAL WAY SOUTH, TUKWILA, WA 98168

REVISION DATE

Design: AC
Drawn: JL, JC
Checked: AC
Project No. 331-16-01

Issuance CUP UPDATES

Date: 4/10/2017

Drawing Title
SITE PLAN

Drawing Number

TA1.01

SITE PLAN

A1.01 TB SITE PLAN

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SITE PLAN.DWG

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IXILIARY PROJECTS PACKAGE #
ANSPORTATION BUILDING
FEAST MARGINAL WAY SOUTH, TUKWILA, WA 98168

REVISION DATE

Design: AC
Drawn: JL
Checked: AC
Project No. 331-16-01

CUP UPDATES

Date: 4/10/2017

Drawing Title
FLOOR PLAN

Drawing Number

TA2.01

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TUKWILA PUBLIC SCHOOLS
AUXILIARY PROJECTS PACKAGE #1
TRANSPORTATION BUILDING
12801 EAST MARGINAL WAY SOUTH, TUKWILA, WA 98168

REVISION

esign: AC

DATE

Drawn: JL
Checked: AC
Project No. 331-16-01

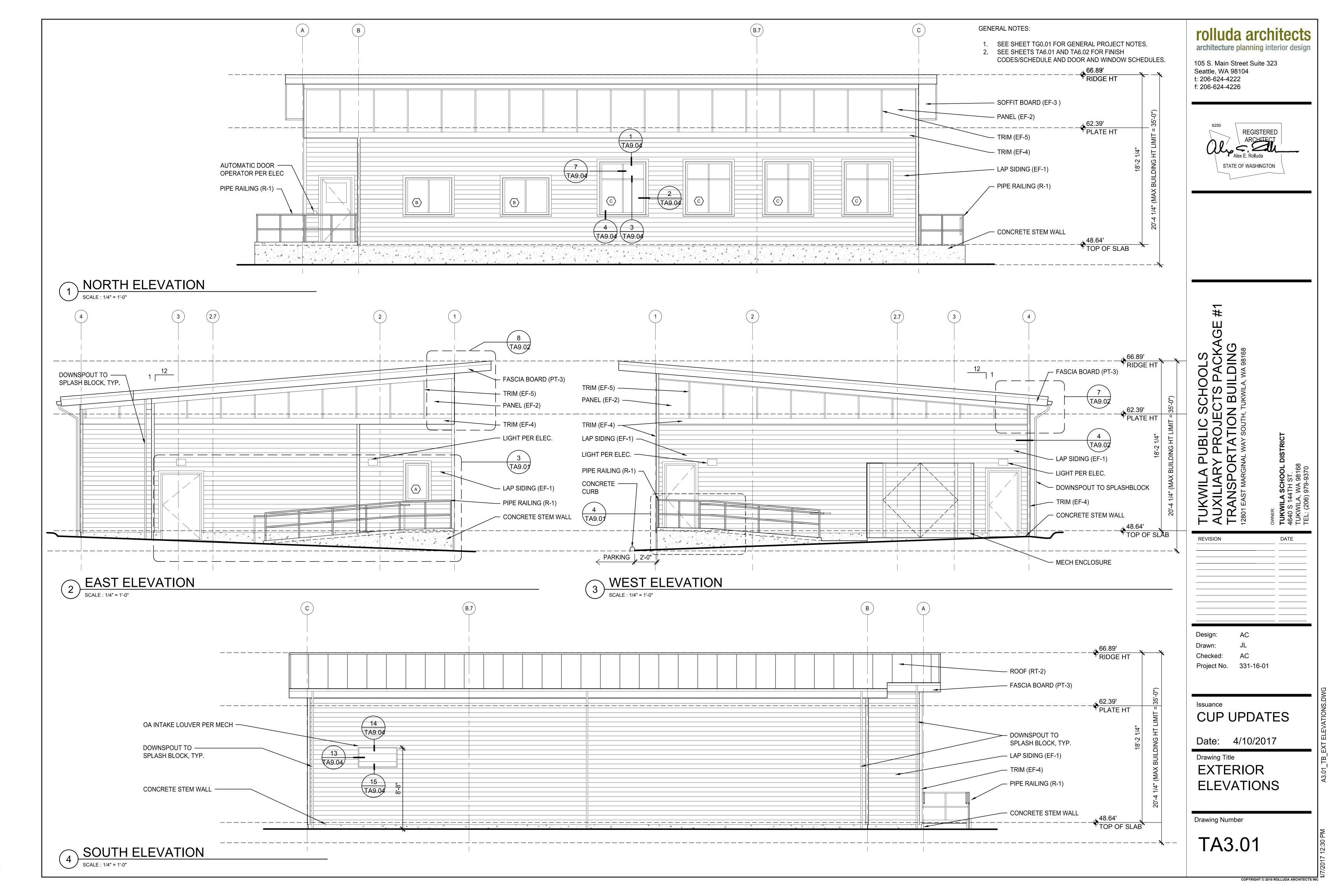
CUP UPDATES

Date: 4/10/2017

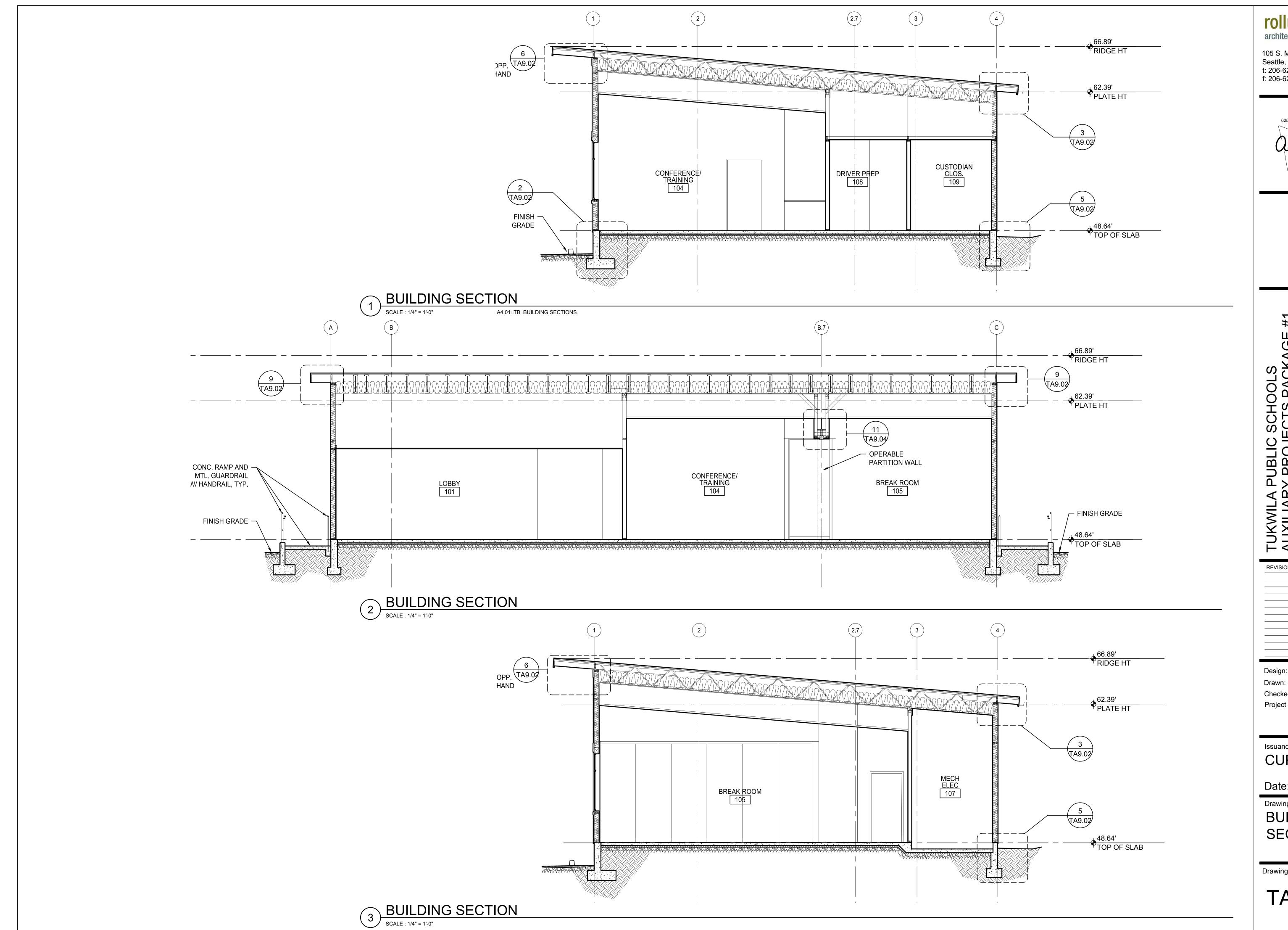
Prawing Title ROOF PLAN

Drawing Number

TA2.02



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TUKWILA PUBLIC SCHOOLS
AUXILIARY PROJECTS PACKAGE #1
TRANSPORTATION BUILDING
TRANSPORTATION BUILDING

REVISION		DATE
Design:	۸۲	

Checked: Project No. 331-16-01

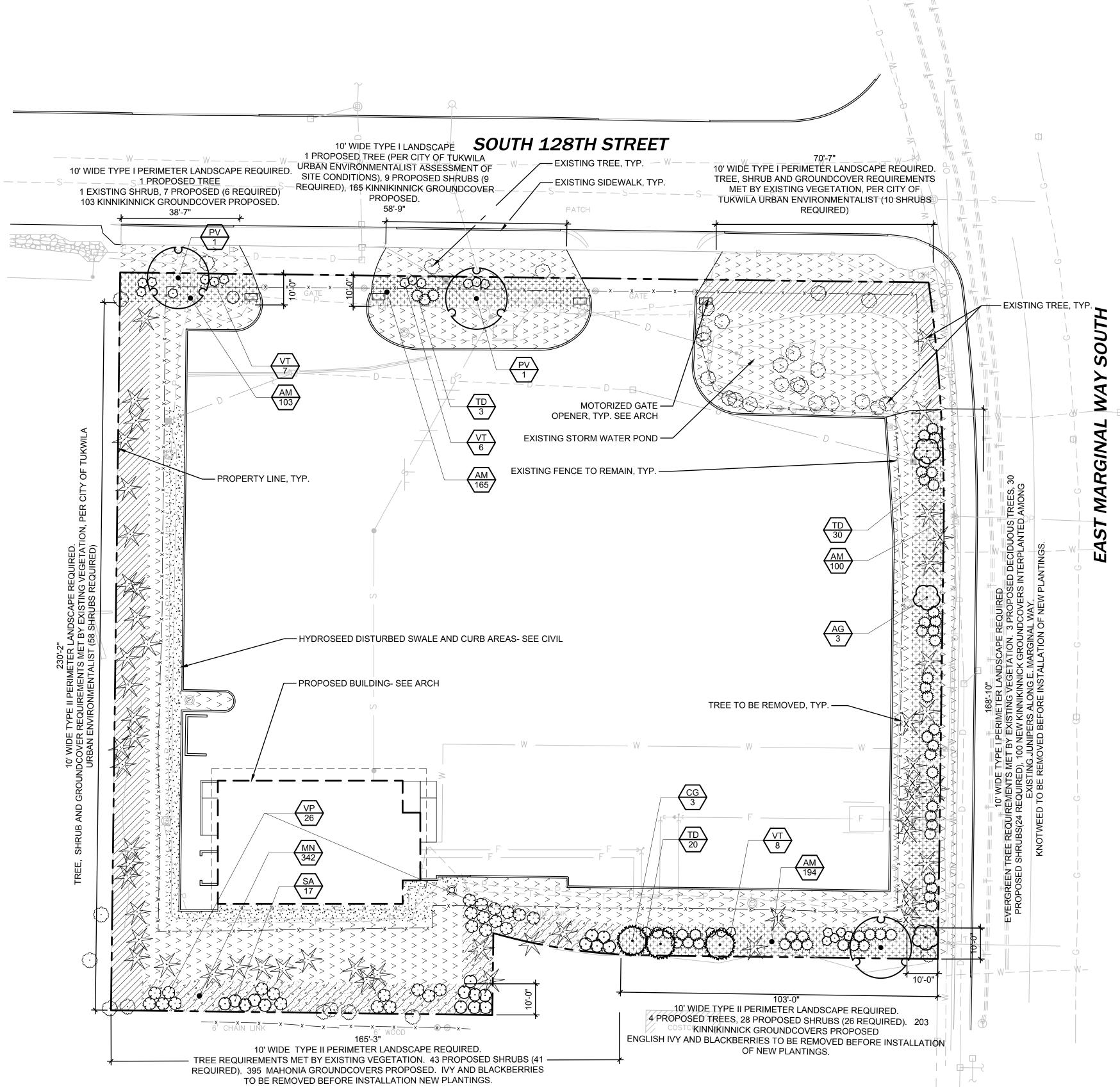
CUP UPDATES

Date: 4/10/2017

Drawing Title BUILDING SECTIONS

Drawing Number

TA4.01



GENERAL LANDSCAPE NOTES

- SEE TL2.0 FOR LANDSCAPE DETAILS AND TL2.1 FOR IRRIGATION DETAILS.
- SEE TL3.0 FOR IRRIGATION PLAN.
- SEE CIVIL FOR TREE PROTECTION PLAN AND DETAILS
- SEE SPECIFICATIONS FOR PLANT MATERIAL, MULCHING, SOIL AMENDMENTS, FERTILIZERS AND WARRANTIES.
- AMEND, TILL, AND PREP SOIL IN BUFFER ZONES BUT OUTSIDE ROOT ZONES TO 12" DEPTH, PER BMP T5.13, "POST CONSTRUCTION SOIL QUALITY AND DEPTH," FROM THE WASHINGTON DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
- SCHEDULE AN INSPECTION BY THE CITY OF THE PLANTING AREAS PRIOR TO PLANTING TO ENSURE SOILS ARE PROPERLY PREPARED.
- GROUNDCOVER AND SHRUBS TO BE PLANTED UNDER EXISTING TREES TO BE PIT PLANTED. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGING EXISTING ROOT SYSTEM.
- REMOVE AND CONTROL ALL ENGLISH IVY, BLACKBERRIES, JAPANESE KNOTWEED AND ANY OTHER NOXIOUS WEEDS ON SITE PER INSTRUCTIONS AT WWW.KINGCOUNTY.GOV/WEEDS.
- PLANTING SHALL CONFORM TO ALL CITY OF TUKWILA MUNICIPAL CODE REQUIREMENTS, INCLUDING PRESERVATION OF ADEQUATE INTERSECTION SIGHT DISTANCE LINES/ TRIANGULAR AREAS.
- CONTRACTOR SHALL VERIFY ON-SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION
- THE CONTRACTOR AND OWNER ARE RESPONSIBLE FOR READING THE PLANS, SPECIFICATIONS AND NOTES
- THE CONTRACTOR SHALL VERIFY ALL PLANT MATERIAL QUANTITIES PRIOR TO INSTALLATION. ANY PLANT MATERIAL QUANTITIES LISTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITY DESIGNATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COUNTING THE TOTAL NUMBER OF PLANTS INDICATED ON THE PLANS AND ESTIMATING
- THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL CONTAINER OR FIELD GROWN TREES, SHRUBS AND GROUNDCOVERS, INCLUDING SEEDED AND SODDED TURF, HYDROMULCHES AND FLATTED GROUNDCOVERS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE AND PAY FOR: PLANTING OF ALL PLANT MATERIALS; THE SPECIFIED GUARANTEE OF ALL PLANT MATERIALS; THE STAKING AND GUYING OF TREES AND THE CONTINUOUS PROTECTION OF ALL PLANT MATERIALS UPON THEIR ARRIVAL AT THE SITE.

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	CONT		<u>QTY</u>
	AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' MULTISTEM	`AUTUMN BRILLIANCE` SERVICEBERRY	6` HT MIN.		3
(\cdot)	CG	CHAMAECYPARIS OBTUSA 'GRACILIS'	SLENDER HINOKI CYPRESS	6` HT MIN.		3
	PV	PARROTIA PERSICA 'VANESSA'	PERSIAN PARROTIA	2" CAL.		3
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	QTY
\odot	SA	SYMPHORICARPOS ALBUS*	SNOWBERRY	2 GAL	48" o.c.	17
\odot	TD	TAXUS X MEDIA `DENSIFORMIS`*	DENSE YEW	2 GAL	48" o.c.	53
\odot	VT	VACCINIUM OVATUM 'THUNDERBIRD'*	EVERGREEN HUCKLEBERRY	2 GAL	36" o.c.	21
\bigcirc	VP	VACCINIUM PARVIFOLIUM*	RED HUCKLEBERRY	2 GAL	48" o.c.	26
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPACING	<u>QTY</u>
++++++ ++++++ +++++++ ++++++++ ++++++++	AM	ARCTOSTAPHYLOS UVA-URSI `MASSACHUSETTS`	MASSACHUSETTS KINNIKINNICK	1 GAL	24" o.c.	562
	MN	MAHONIA NERVOSA	OREGON GRAPE	1 GAL	24" o.c.	342
	HS	PT305 PROTIME PT305 SHADE/SUN MIX OR APPROVED EQUAL	HYDROSEED TURF MIX	HYDROSEED		1,297 SF

*SHRUBS TO BE 18" TALL, MIN. AT INSTALLATION

EXISTING PLANTING



EXISTING CODE REQUIRED PERIMETER PLANTING TO REMAIN



EXISTING PLANTING TO REMAIN

EXISTING TREES TO REMAIN- SOME SYMBOLS REPRESENT MULTIPLE TREES. SEE LABEL

PERIMETER LANDSCAPE REQUIREMENTS TABLE

PER CITY OF TUKWILA MUNICIPAL CODE 18.52.030 PERIMETER LANDSCAPE REQUIREMENTS TABLE A AND FOOTNOTES, NCC ZONING REQUIRES A 10' TYPE I BUFFER ALONG SOUTH 128TH STREET AND MARGINAL WAY, AND A 10' TYPE II BUFFER ALONG BACK AND SIDE YARDS, BECAUSE OF THE ADJACENT LDR ZONE.

TYPE I PERIMETER LANDSCAPE: A MIX OF EVERGREEN AND DECIDUOUS TREES SPACED BASED ON SIZE, ONE SHRUB FOR EACH 7 LINEAL FEET OF REQUIRED PERIMETER EXCLUDING CURB CUTS, AND GROUNDCOVER.

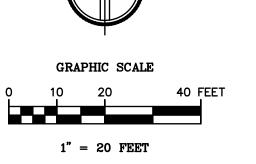
TYPE II PERIMETER LANDSCAPE: A MIX OF EVERGREEN AND DECIDUOUS TREES SPACED BASED ON SIZE, ONE SHRUB FOR EACH 4 LINEAL FEET OF REQUIRED PERIMETER EXCLUDING CURB CUTS, AND GROUNDCOVER.

TYPE I PERIMETER LANDSCAPE LENGTH: 39+59'+168'=266' TREES PROVIDED: 5 SHRUBS REQUIRED:39

SHRUBS PROVIDED:46

SHRUBS PROVIDED: 71

TYPE II PERIMETER LANDSCAPE LENGTH:165'+103'=268' TREES PROVIDED: 4 SHRUBS REQUIRED: 67



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REVISION	DATE	
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Design: JM Drawn: MS Checked: CS, KC Project No. 331-16-01

CUP Submittal

Date: 4/10/2017

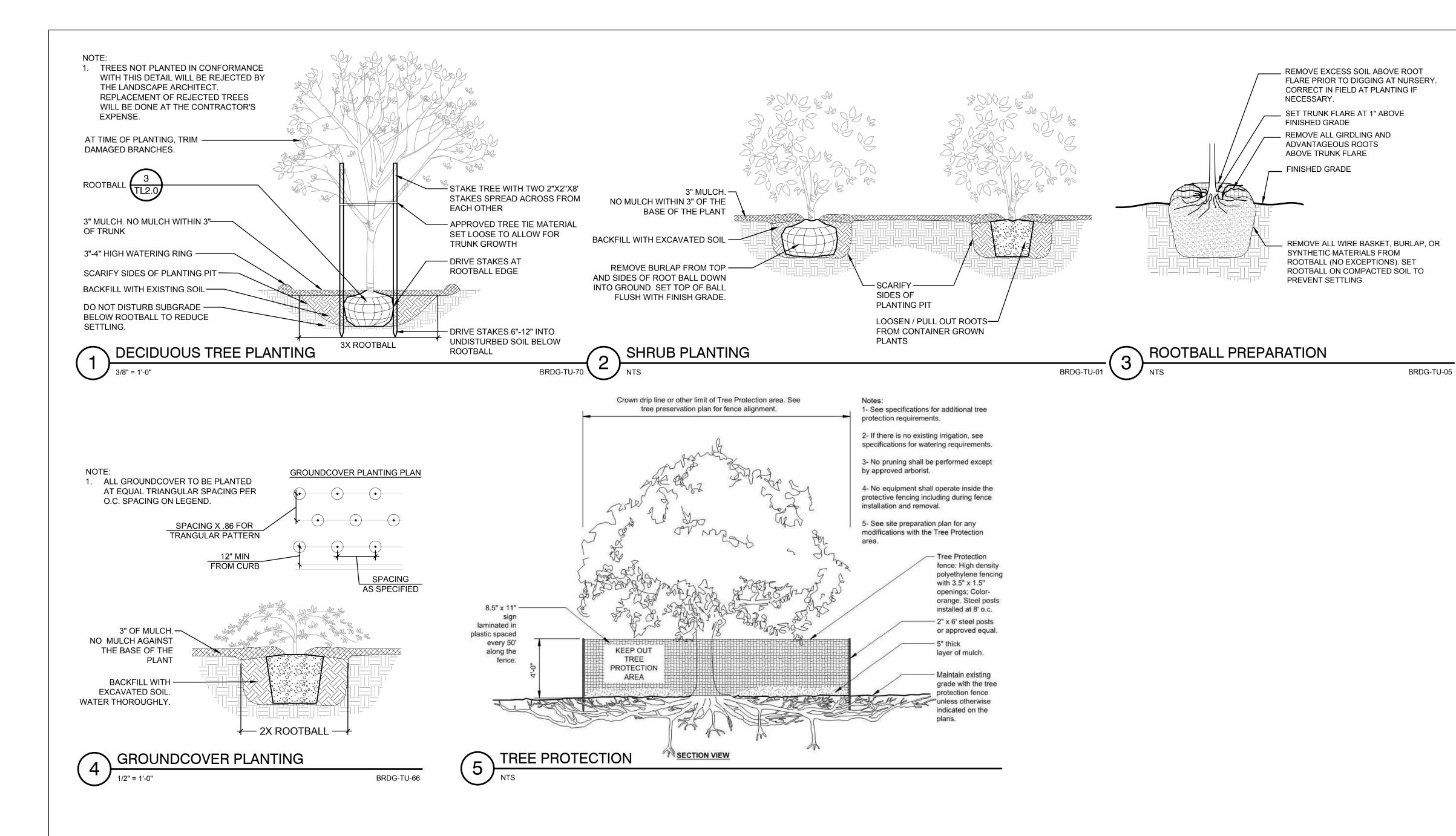
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PLANTING PLAN

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AUXILIARY PROJECTS PACKAGE #
TRANSPORTATION BUILDING

REVISION	DATE
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Drawn: MS
Checked: CS, KC
Project No. 331-16-01

Design: JM

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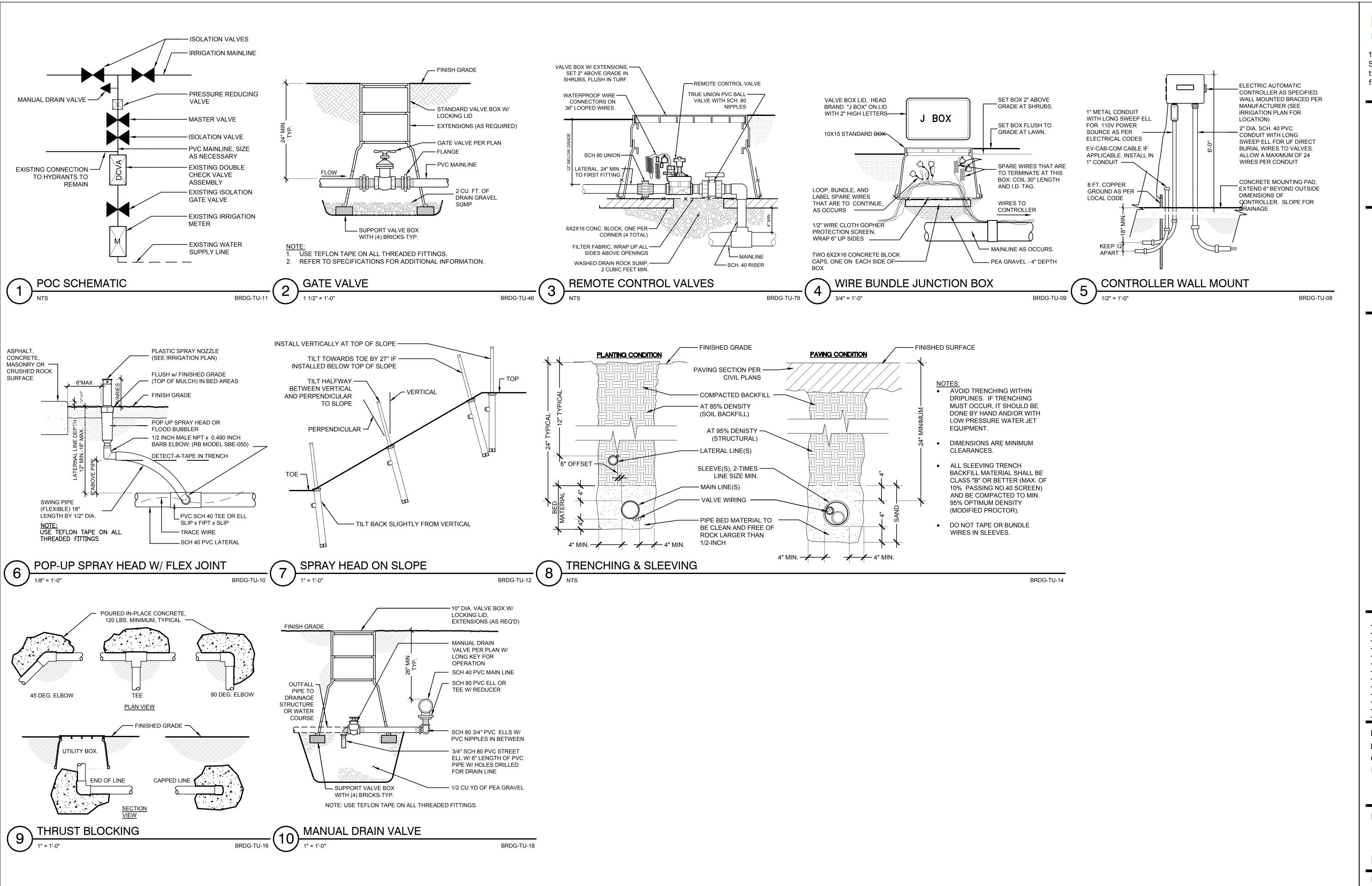
Date: 4/10/2017

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LANDSCAPE DETAILS

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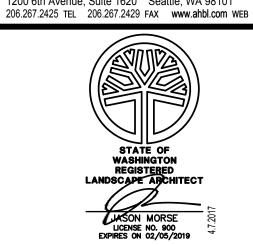


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801 EAST MARGINAL WAY SOUTH, TUKWILA, WA 98168

REVISION DATE

Design: JM

Drawn: MS
Checked: CS, KC
Project No. 331-16-01

Issuance
CUP Submittal

Date: 4/10/2017

Drawing Title

IRRIGATION DETAILS

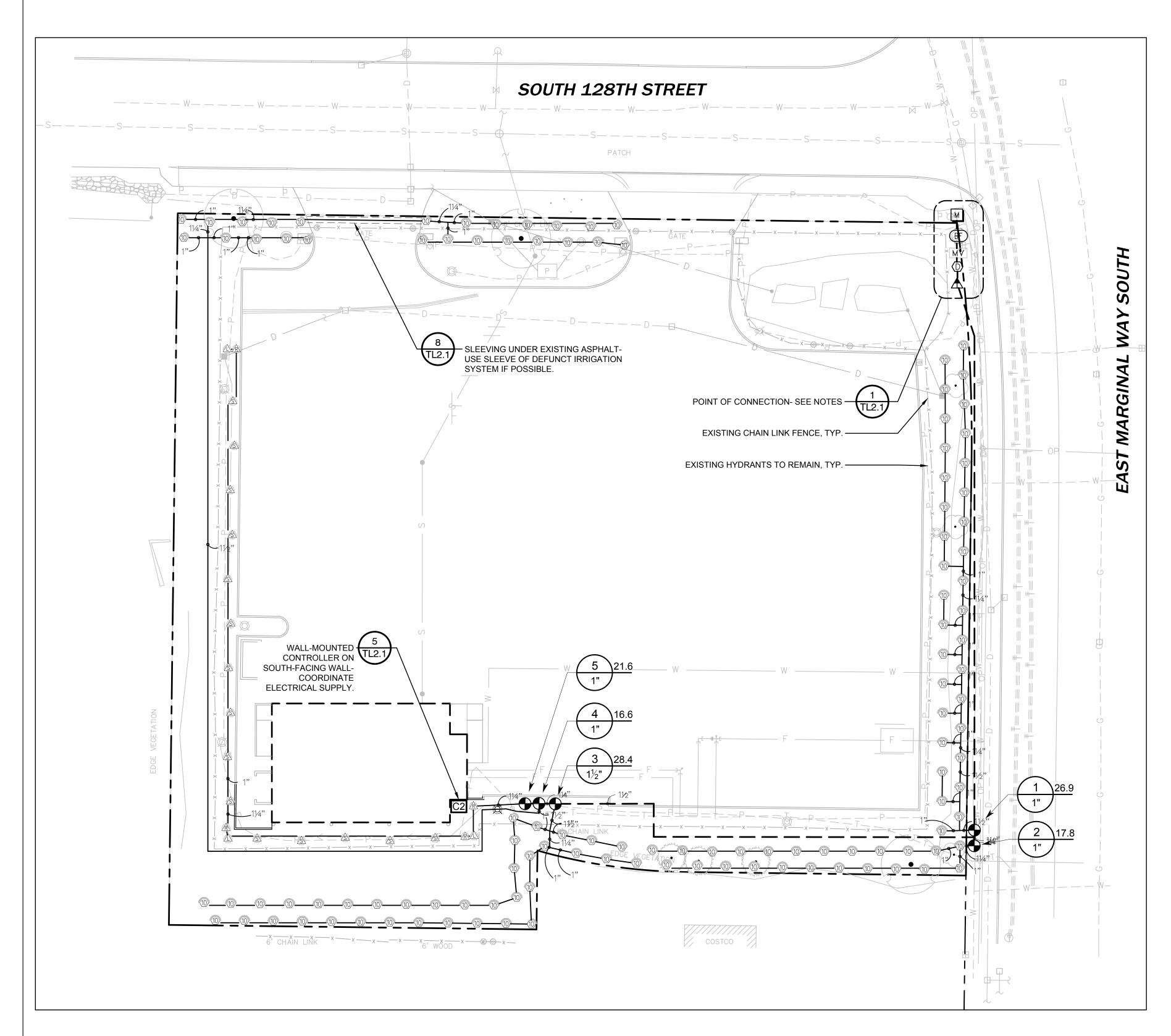
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Call before you dig.



IRRIGATION SCHEDULE

1110/1110110	OHLDOLL		OTTITIONE / ITANIE I OIO		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	<u>PSI</u>	Generated:	2017-04-0	
EST LCS RCS CST SST	RAIN BIRD 1812 15 STRIP SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2"	30	P.O.C. NUMBER: 01 Water Source Information:		
	NPT FEMALE THREADED INLET.		FLOW AVAILABLE		
A A A A			Water Meter Size:	1-1/2"	
(10) (10) (10) Q T H F	RAIN BIRD 1812 10 SERIES MPR SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH	30	Flow Available:	75.00 gpm	
	CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2"		PRESSURE AVAILABLE		
	NPT FEMALE THREADED INLET.		Static Pressure at POC:	120.00 psi	
			Elevation Change:	5.00 ft	
			Service Line Size:	2"	
SYMBOL .	MANUFACTURER/MODEL/DESCRIPTION		Length of Service Line:	20.00 ft	
			Pressure Available:	117.00 psi	
•	RAIN BIRD PGA ANGLE				
	1", 1-1/2", 2" ELECTRIC REMOTE CONTROL VALVE, ANGLE.		DESIGN ANALYSIS		
1417			Maximum Station Flow:	28.43 gpm	
MV	RAIN BIRD 300-BPE GLOBE 3"		Flow Available at POC:	75.00 gpm	
	3" BRASS MASTER VALVE, WITH GLOBE CONFIGURATION.		Residual Flow Available:	46.57 gpm	
D	DRAIN VALVE		Critical Station:	5	
			Design Pressure:	30.00 psi	
lack	PRESSURE REDUCING VALVE		Friction Loss:	4.84 psi	
	PRESSURE LIMITED TO 46.16 PSI		Fittings Loss:	0.48 psi	
			Elevation Loss:	0.00 psi	
BF	EXISTING BACKFLOW PREVENTER TO REMAIN		Loss through Valve:	5.58 psi	
			Pressure Req. at Critical Station:	40.91 psi	
	RAINBIRD TM2-6-120V		Loss for Fittings:	0.51 psi	
C2	6-ZONE ESP-TM2 CONTROLLER		Loss for Main Line:	5.07 psi	
			Loss for POC to Valve Elevation:	0.00 psi	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40		Loss for Backflow:	6.50 psi	
	PVC SCHEDULE 40 IRRIGATION PIPE.		Loss for Master Valve:	6.60 psi	
			Loss for Water Meter:	0.96 psi	
	IRRIGATION MAINLINE: PVC SCHEDULE 40		Critical Station Pressure at POC:		
			Pressure Available:	117.00 psi	
	PIPE SLEEVE: PVC SCHEDULE 40		Residual Pressure Available:	56.45 psi	
	TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE				
	SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND				
	THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH				

SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.

CRITICAL ANALYSIS

3111137 tE 7 1117 tE 1 1	<u> </u>
Generated:	2017-04-07 10:3
P.O.C. NUMBER: 01 Water Source Information:	
FLOW AVAILABLE Water Meter Size: Flow Available:	1-1/2" 75.00 gpm
PRESSURE AVAILABLE Static Pressure at POC: Elevation Change: Service Line Size: Length of Service Line: Pressure Available:	120.00 psi 5.00 ft 2" 20.00 ft 117.00 psi
DESIGN ANALYSIS Maximum Station Flow: Flow Available at POC: Residual Flow Available:	28.43 gpm 75.00 gpm 46.57 gpm
Critical Station: Design Pressure: Friction Loss: Fittings Loss: Elevation Loss: Loss through Valve: Pressure Req. at Critical Station: Loss for Fittings: Loss for Main Line: Loss for POC to Valve Elevation:	5 30.00 psi 4.84 psi 0.48 psi 0.00 psi 5.58 psi 40.91 psi 0.51 psi 5.07 psi 0.00 psi
Loss for Backflow: Loss for Master Valve: Loss for Water Meter:	6.50 psi 6.60 psi 0.96 psi

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> Structural Engineers Landscape Architects

Community Planners Natural Resource Ecologists

REVISION

Design: JM Drawn: MS Checked: CS, KC Project No. 331-16-01

CUP Submittal

4/10/2017 Date:

Drawing Title

IRRIGATION PLAN

Drawing Number

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GENERAL IRRIGATION NOTES

- ALL IRRIGATION WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND MUNICIPAL CONSTRUCTION AS REVISED OR SUPPLEMENTED BY THE SPECIAL PROVISIONS FOR
- 2. NO SUBSTITUTIONS OF EQUIPMENT OR DESIGN CHANGES SHALL BE PERMITTED UNLESS APPROVED BY THE OWNER.
- IRRIGATION LINES AND VALVES MAY BE SHOWN IN HARD SURFACE AREAS OR OUTSIDE LANDSCAPE AREAS FOR GRAPHIC CLARITY. LOCATE ALL IRRIGATION LINES IN LANDSCAPE AREAS OR IN SLEEVES UNDER PAVEMENT.
- 4. IRRIGATION CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER HARD SURFACES WITH RESPECTIVE CONTRACTORS.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL TESTS, AND INSPECTIONS REQUIRED FOR THE IRRIGATION
- 6. CALL FOR LOCATES PRIOR TO DIGGING AT 811. CONTRACTOR IS RESPONSIBLE TO VERIFY UTILITY LOCATIONS. IF UTILITIES ARE DAMAGED IN THE COURSE OF WORK, CONTRACTOR SHALL INFORM THE OWNER AND MAKE ANY REPAIRS REQUIRED, AT NO COST TO THE OWNER.
- 7. ALL SLEEVING SHALL BE MARKED, SEALED AND STAKED. ALL SLEEVES SHALL BE TWICE THE SIZE OF OF THE LINE OR COMBINED LINES. MINIMUM SLEEVE SIZE SHALL BE 4-INCHES IF LOCATED UNDER ROADWAY OR DRIVE AISLE.
- 8. COORDINATE SLEEVING LOCATIONS WITH ELECTRICAL CONDUIT.
- 9. INSTALL CONCRETE THRUST BLOCKS ON MAINLINE 2-1/2" AND LARGER, FOR ALL CHANGES IN PIPE DIRECTION OVER
- 10. SPLICE CONTROL WIRES WITHIN VALVE BOXES ONLY, USING 3M-DBY, OR APPROVED SPLICE KITS, AND PROVIDE A 24" EXPANSION LOOP FOR ALL CONTROL WIRES WITHIN EACH VALVE BOX.
- 11. VALVE BOXES SHALL BE COMMERICAL-GRADE POLYETHYLENE OR HDPE AND SUITABLE FOR LIGHT DUTY APPLICATIONS.
- 12. INSTALLER TO ADJUST ALL ZONE CONTROL VALVES TO THE CORRECT OPERATING PRESSURE. SEE VALVE SCHEDULE
- 13. VERIFY AT LEAST A 15PSI DIFFERENCE BETWEEN PRS DEVICES. IF PRESSURE DIFFERENCES IS LESS THAN 15PSI, NOTIFY L.A. IMMEDIATELY.
- 14. CONTRACTOR SHALL HAND TRENCH IRRIGATION DITCHES WHEN WITHIN 20 FEET, OR WITHIN A DELINEATED TREE PROTECTION AREA, OF EXISTING TREES TO REMAIN. AVOID CUTTING ANY ROOTS OVER 3" - 4" IN DIAMETER WITHIN THE TREE PROTECTION AREA.
- 15. INSTALLER SHALL BE RESPONSIBLE FOR KEEPING EXACT ACCURATE NOTES AND "AS-BUILTS" FOR THE CREATION OF THE "RECORD DRAWINGS" OF THE INSTALLED SYSTEM.
- 16. CONTRACTOR SHALL PROVIDE IRRIGATION MAINTENANCE THROUGH THE PLANT ESTABLISHMENT PERIOD INCLUDING WINTERIZATION(S) AND SPRING START-UP(S).

IRRIGATION SYSTEM DESIGN NOTES

- 1. WATER PURVEYOR: WATER DISTRICT NO. 25. CONTACT INFORMATION: SHANE YOUNG, (206) 242-9547, SHANEYOUNG@WATERDISTRICT125.COM
- 2. THIS DESIGN ADDS A NEW IRRIGATION SYSTEM FOR THE AREAS AFFECTED BY CONSTRUCTION OF THE CODE REQUIRED LANDSCAPING AND SEEDED SWALE.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING IRRIGATION AND WINDOW WASHING HYDRANTS IMPACTED BY THE CONSTRUCTION OF THIS PROJECT PRIOR TO CONSTRUCTION.
- PROVIDE TEMPORARY WATER SUPPLY TO WINDOW WASHING HYDRANTS DURING CONSTRUCTION OF IRRIGATION SYSTEM. Call before you dig.

Know what's below.

POINT OF CONNECTION NOTES

- 1. CONTRACTOR TO REUSE EXISTING 1 $\frac{1}{2}$ " METER AND BACKFLOW PREVENTER. CONTRACTOR SHALL VERIFY EXISTING STATIC PRESSURE AT THE METER AND SUBMIT WRITTEN VERIFICATION TO THE LANDSCAPE ARCHITECT. NOTIFY THE LANDSCAPE ARCHITECT OF DISCREPANCIES GREATER THAN 5 POUNDS OF DESIGN PRIOR TO INSTALLATION OF ANY IRRIGATION EQUIPMENT.
- 2. CONTRACTOR TO INSTALL PRESSURE REDUCING VALVE IF REQUIRED.
- 3. THE SYSTEM DESIGN IS BASED ON OPERATING 1 ZONE AT A TIME USING AN EXISTING IRRIGATION METER ON A 1-1/2" SCH. 40 PVC SUPPLY LINE. CONTRACTOR SHALL FIELD VERIFY SIZE AND LOCATION.
- 4. NOTIFY THE OWNER IMMEDIATELY IF THE POINT OF CONNECTION ASSUMPTIONS MADE HERE DO NOT MATCH FIELD CONDITIONS

CONTROLLER NOTES

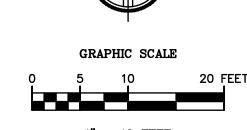
- CONTROLLER: INSTALL NEW WALL MOUNTED CONTROLLER ON WALL OF BUILDING. PROVIDE COMBINATION LOCK FOR CABINET AND SEND COMBINATION TO SCHOOL REPRESENTATIVE. CONFIRM LOCATIONS WITH OWNER AND COORDINATE ELECTRICAL CONNECTION PRIOR TO INSTALLATION.
- 1.1. PROVIDE 120V FROM ELECTRICAL SERVICE PER LOCAL UTILITY REQUIREMENTS AND APPLICABLE CODES. SEE ELECTRICAL PLAN FOR MORE INFORMATION.
- 1.2. PROVIDE COMMUNICATION CONNECTION FROM CONTROLLER TO MASTER VALVE.
- 2. PROGRAM CONTROLLER WITH TEMPORARY ESTABLISHMENT AND PERMANENT WATERING SCHEDULE. PROVIDE SCHEDULE TO OWNER.
 - OR JUNCTION BOXES AT CHANGES IN DIRECTION.

3. CONTROL WIRE SHALL BE INSTALLED IN 2" SCH. 40 ELECTRICAL CONDUIT. PROVIDE SWEEPS

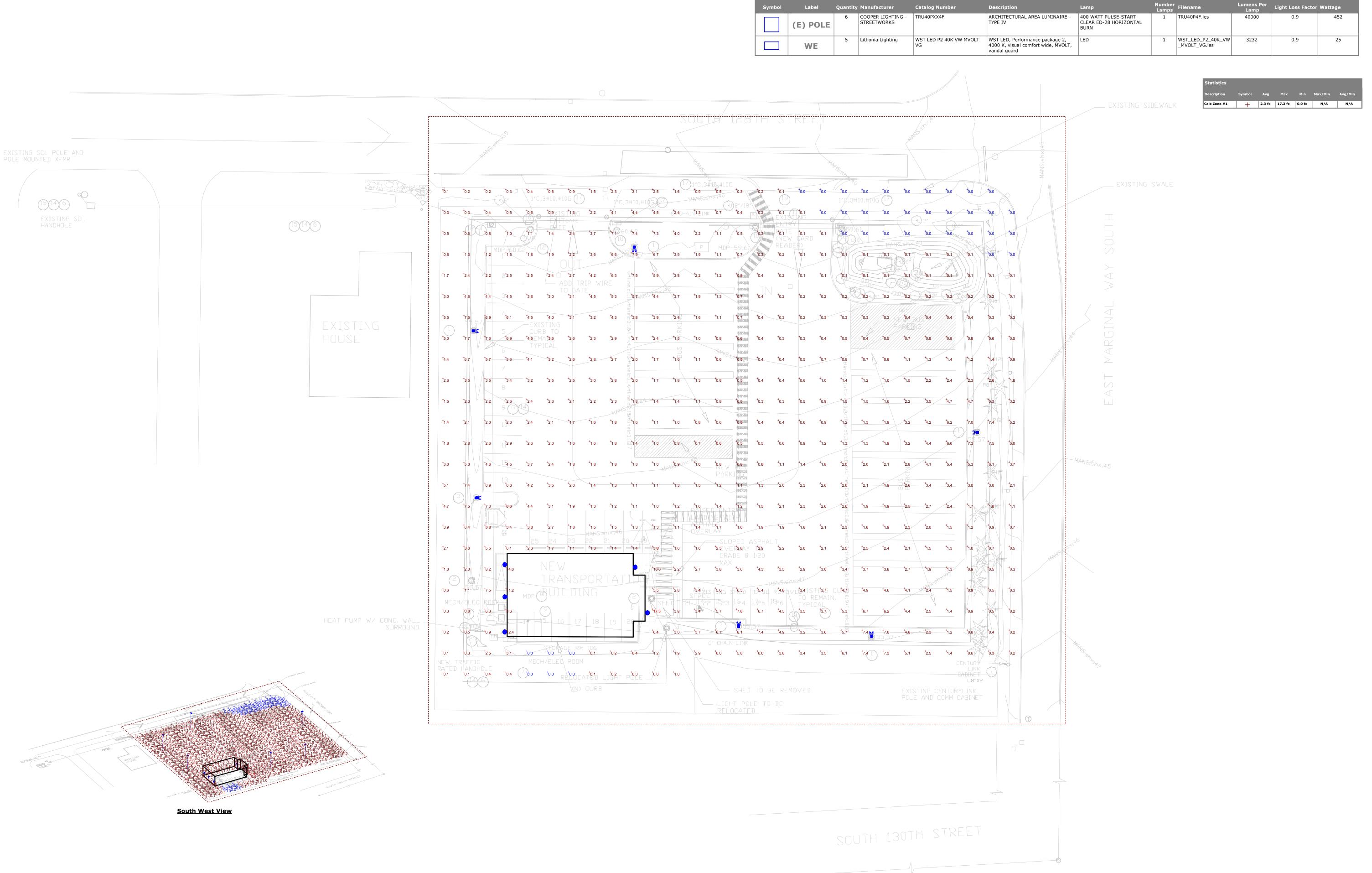
4. INSTALL SPARE CONTROL WIRE (ORANGE COLOR) FROM CONTROLLER TO FARTHEST VALVE.

VALVE SCHEDLILE

VALVE SCHEDULE									
	NUMBER 1 2 3 4	MODEL RAIN BIRD PGA ANGLE RAIN BIRD PGA ANGLE RAIN BIRD PGA ANGLE RAIN BIRD PGA ANGLE	1" 1-1/2"	TYPE SHRUB SPRAY SHRUB SPRAY SHRUB SPRAY SHRUB SPRAY		33.83	PSI @ POC 57.22 52.31 57.34 56.18	PRECIP 1.40 in/h 1.34 in/h 1.40 in/h 1.32 in/h	-
	5	RAIN BIRD PGA ANGLE	-	SHRUB SPRAY		40.91	60.55	1.77 in/h	



1" = 10 FEET



Plan ViewScale - 1" = 25'

Designer
SKF
Date
4/5/2017
Scale
Not to Scale
Drawing No.
LTG-01

D - TRANSPORTATION BUILDIN SITE LIGHTING CALCULATION

Summary