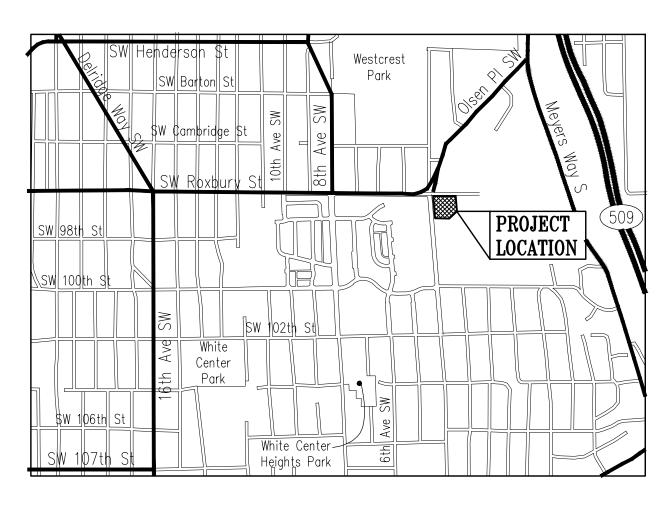
# WIND ROSE

# INFRASTRUCTURE FRANCHISE UTILITY IMPROVEMENT PLANS

SEC. 6, T.23 N., R.4E., W.M. King County, Washington **JULY 2018** PERMIT SUBMITTAL



VICINITY MAP N.T.S.

# \*CONTRACTOR NOTE\*

THIS PLAN HAS BEEN PREPARED BASED ON THE PRELIMINARY DESIGNS BY THE FRANCHISE UTILITY PROVIDERS. THIS PLAN IS FOR COORDINATION PURPOSES ONLY AND INTENDED TO SHOW THE RELATIONSHIP BETWEEN THE VARIOUS FRANCHISE UTILITIES AND THE SITE PLAN. THE OWNER/CONTRACTOR SHALL OBTAIN FINAL DESIGNS FROM THE FRANCHISE UTILITY PROVIDERS AND SHALL CONSTRUCT FRANCHISE UTILITIES BASED ON THE FINAL DESIGNS.

# Contract No.

# PROJECT DEVELOPER

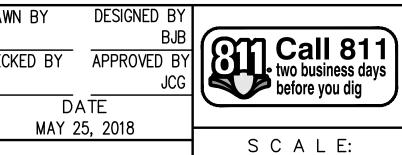
DATE BY CHD. APPR.

KING COUNTY HOUSING AUTHORITY 600 ANDOVER PARK WEST SEATTLE, WA. 98188-3326 TELEPHONE: (206) 574-1196 CONTACT PERSON: JOHN ELIASON

# PROJECT ENGINEER

KPFF CONSULTING ENGINEERS 1601 FIFTH AVENUE, SUITE 1600 SEATTLE, WASHINGTON 98101

J O B No.: 114137.10



AS NOTED









WHITE CENTER, WASHINGTON

DRAWING INDEX

UT-5 FRANCHISE UTILITY PLAN AND PROFILE

UT-2 | FRANCHISE UTILITY NOTES

E-1a | ILLUMINATION POLE DETAIL

SHEET

**ABBREVIATIONS:** 

EX./EXIST

BACK OF CURB BOTTOM OF VAULT

FACE OF CURB HAND HOLE

PROPERTY LINE

SEATTLE CITY LIGHT

UNLESS NOTED OTHERWISE

STORM DRAINAGE

SANITARY SEWER

SECONDARY

STREET LIGHT

STATION SERVICE

SIDEWALK TOP OF VAULT

WEST/WATER

CROSSING

**EXISTING** 

LIGHTING MINIMUM

PRIMARY

PROPOSED RIGHT OF WAY DRAWING TITLE

FRANCHISE UTILITY SECTIONS AND DETAILS

FRANCHISE UTILITY SECTIONS AND DETAILS

FRANCHISE UTILITY SECTIONS AND DETAILS

4TH AVENUE SW ILLUMINATION PLAN

E-1b 4TH AVENUE SW PROPOSED ILLUMINATION MODEL

E-2 STREET LIGHT LEGEND, SCHEDULES AND NOTES

E-3 PEDESTRIAN SITE ILLUMINATION PLAN

E-3a SW 97TH PLACE ILLUMINATION MODEL

KING COUNTY HOUSING AUTHORITY SHEET

WIND ROSE COVER SHEET

REVISED PLAN

PER SCL REVIEW COMMENTS

REVISION

TELEPHONE: (206) 622-5822

—— — — PROPERTY LINE / ROW ——— — CENTERLINE COMCAST CABLE VAULT/HANDHOLE CENTURY LINK TELEPHONE VAULT/HANDHOLE SCL POWER HANDHOLE SCL POWER VAULT SCL POWER VAULT SCL DUCT BANK

COMM. DUCT BANK

----- SCL/COMM. SERVICE CONDUIT(S)

BY PSE

GAS MAIN AND SERVICES INSTALLED

AND LUMINAIRE

SITE LIGHTING CONDUIT, HANDHOLE,

**LEGEND** 

UT-1

2 07/04/18

06/21/18

- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH KING COUNTY. THE CONTRACTOR SHALL NOTIFY SEATTLE CITY LIGHT, CENTURY LINK, COMCAST, PSE REPRESENTATIVES AND THE OWNER'S PROFESSIONAL ENGINEERING CONSULTANT OF THE PRE-CONSTRUCTION MEETING TIME AND LOCATION.
- ALL MATERIALS AND WORK ASSOCIATED WITH THE CONSTRUCTION OF THE FRANCHISE UTILITIES SHALL BE PERFORMED TO SCL CONSTRUCTION GUIDELINES, UNLESS OTHERWISE NOTED ON THE PLANS OR REQUIRED BY SCL, COMCAST, CENTURY LINK OR PSE INSPECTORS.
- VERTICAL DATUM: NAVD 88 BENCHMARK "A"

IMPLEMENTATION OF THIS PLAN.

ELEVATION = 414.77TOP FLANGE BOLT BETWEEN "E" AND "L" IN MULLER FIRE HYDRANT AT SOUTHEAST CORNER OF SW

ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

115TH STREET AND 4TH AVENUE SW. THE CONTRACTOR SHALL NOTIFY THE SEATTLE FIRE DEPARTMENT DISPATCHER (386-1495) AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS,

AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE

DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.

- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST TWO BUSINESS DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.
- UTILITY SERVICE CONNECTIONS ARE TO BE MAINTAINED PRIVATELY AND NOT BY THE CITY OF SEATTLE OR KING COUNTY.
- CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.
- ALL WORK PERFORMED BY SEATTLE CITY LIGHT, SPU, AND OTHER PUBLIC/PRIVATE UTILITIES TO REMOVE OR RELOCATE EXISTING UTILITIES AT THE DEVELOPER'S EXPENSE SHALL BE COORDINATED BY THE CONTRACTOR.
- 13. THE CONTRACTOR SHALL FIELD VERIFY THE CROSSING ELEVATIONS OF PROPOSED AND EXISTING UTILITIES ABOVE AND BELOW THE PROPOSED DUCT BANKS AND MODIFY THE FRANCHISE UTILITY CONDUIT BENDS AND SEPARATIONS AS REQUIRED BY SCL CONSTRUCTION GUIDELINES.
- CONTRACTOR IS RESPONSIBLE FOR OFFSETTING VAULTS AND HANDHOLES BEHIND THE BACK OF CURB OR BEHIND THE SIDEWALK, AS LABELED ON THE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING POTENTIAL CONFLICTS WITH EXISTING AND PROPOSED UTILITIES.
- SOME ELEMENTS OF THE SURVEY BACKGROUND HAVE BEEN REMOVED FROM THESE PLANS AS REQUESTED BY SCL. CONTRACTOR IS RESPONSIBLE FOR REFERRING TO THE SURVEY AND DEMOLITION PLANS PROVIDED WITH THE CONTRACT DOCUMENTS TO ASCERTAIN ANY POTENTIAL CONFLICTS WITH THE IMPLEMENTATION OF THIS UTILITY CONSTRUCTION.

# **CONSTRUCTION MATERIALS:**

USE ONLY SCL APPROVED MANUFACTURES. PHONE DAVID MANNERY, ELECTRICAL SERVICE CONSULTANT -(206) 386-4245, IN ADVANCE OF PURCHASING/INSTALLING CONSTRUCTION MATERIALS.

- POWER FACILITIES USE OLDCASTLE PRECAST OR SCL APPROVED EQUIVALENT MANUFACTURER. CONDUITS — REFER TO LIST BELOW OR MATERIAL STANDARD, 7015.05. NOTE MANUFACTURER LIMITATIONS FOR PVC FEMALE ADAPTERS.
- 3. CONDUIT BENDS GALVANIZED STEEL MATERIAL STANDARD 7050.05.

CLEAN AND MANDREL THE CONDUITS THEN INSTALL A FLAT, PRE-LUBRICATED, POLYESTER OR ARAMID PULL TAPE OF 2,500 LB. MINIMUM TENSILE STRENGTH (FIBERTEK INC. OR EQUAL); CITY LIGHT STOCK NO. 012293 AND 012480 IN EACH CONDUIT. IN EACH TRENCH, PLACE A DETECTABLE UNDERGROUND MARKING TAPE ACCORDING TO SCL CONSTRUCTION GUIDELINE U2-11.40.

## NEW DISTRIBUTION LOAD BREAK & TRANSFORMER VAULT (V-01 & V-02):

PROVIDE AND INSTALL 577-LDA VAULTS, WITH COVER SLAB (57-2-332-NS-GV-SA-80), ONE NON-SLIP SOLID HATCH AND ONE GRATED VENT HATCH, ONE REMOVAL DIVIDER WALL, AND ONE BASE (577-LA W/GRD IN & OUT) PER SCL CONSTRUCTION STANDARDS 0232.05, U10-7, AND U2-14.2, AND SCL MATERIAL STANDARD 7203.41 AT FINISHED GRADE LEVEL AS SHOWN ON THE SITE PLAN AND VAULT DETAILS.

## NEW DISTRIBUTION TRANSFORMER VAULT (V-03):

PROVIDE AND INSTALL 507-LA TRANSFORMER VAULT, VENT COVER WITH HATCH (55-332 GV), ONE 507-BL BASE PER SCL CONSTRUCTION STANDARDS 0232.05, U10-7, AND U2-14.2, AND SCL MATERIAL STANDARD 7203.36 AT FINISHED GRADE LEVEL AS SHOWN ON THE SITE PLAN AND VAULT DETAILS.

## NEW DISTRIBUTION SECONDARY HANDHOLES (H-01, H-02, H-03, H-04, H-05, & H-06):

- PROVIDE AND INSTALL 444-LA HANDHOLES (H-01, H-02, AND H-03) FROM OLDCASTLE PRECAST OR CITY LIGHT APPROVED EQUIVALENT.
- PROVIDE AND INSTALL 233-LA HANDHOLES (H-04, H-05, AND H-06) WITH 12-INCH RISERS FROM OLDCASTLE PRECAST OR CITY LIGHT APPROVED EQUIVALENT, IN ACCORDANCE WITH SCL CONSTRUCTION GUIDELINES 0232.05, 0231.01 & U2-14.2, AND SCL MATERIAL STANDARDS 7203.08 AND 7203.26 AT INDICATED LOCATIONS AND AT FINISHED GRADE LEVEL AS SHOWN ON THE SITE PLAN AND HANDHOLE DETAILS.
- VAULT GROUNDING (V-01, V-02, & V-03) PER SCL CONSTRUCTION STANDARDS 0461.10 SECTION 6.4 (PAGE 5 OF 6) & 0468.90:

FOR EACH DUCT BANK THAT PENETRATES THE VAULT. INSTALL 50 FT OF BARE 250 KCMIL WIRE IN THE BOTTOM OF THAT DUCT BANK TO FORM A CONCRETE-ENCASED ELECTRODE. WIRE MUST BE POSITIONED TO ENSURE IT IS SURROUNDED BY 2 INCHES OF CONCRETE ON ALL SIDES WHEN CONCRETE IS POURED. INSTALL 20 FT OF ADDITIONAL WIRE IN ORDER TO ROUTE IT FROM THE DUCT BANK, UP THROUGH DRILLED HOLE IN THE VAULT, AND DOWN TO COMMON GROUNDING POINT WITHIN VAULT. DRILL A HOLE IN EACH VAULT WALL FOR EACH GROUNDING ELECTRODE ENTRY. DRILL EACH HOLE THROUGH THE VAULT ON THE SAME WALL THAT THE DUCT BANK ENTERS, ABOVE THE WATER TABLE IF PRESENT. AT THE ENTRY INTO VAULT, EXOTHERMICALLY WELD EACH WIRE TO ELIMINATE AIR GAPS BETWEEN STRANDS. SEAL THE WIRES ENTRY INTO VAULT TO PREVENT WATER INTRUSION.

HANDHOLE GROUNDING (H-01, H-02, H-03, H-04, H-05 & H-06) PER SCL CONSTRUCTION STANDARDS 0461.10 SECTION 6.2 (PAGE 4 OF 6) & 0468.90:

PROVIDE AND INSTALL (5/8" DIA. X 8'L) IN EACH HANDHOLE, AND INSTALL A CONTINUOUS #2 AWG WIRE THROUGHOUT THE SYSTEM AND EXOTHERMICALLY CONNECT TO THE GROUND ROD IN EACH HANDHOLE. ROUTE WIRE ELECTRODE IN THE BOTTOM OF THE TRENCH. DRILL A HOLE INTO EACH HANDHOLE WALL FOR EACH GROUNDING ELECTRODE ENTRY. DRILL EACH HOLE THROUGH THE HANDHOLE ON THE SAME WALL THAT THE CONDUITS ENTER, ABOVE THE WATER TABLE IF PRESENT. AT THE ENTRY INTO HANDHOLE, EXOTHERMICALLY WELD EACH WIRE TO ELIMINATE AIR GAPS BETWEEN STRANDS. SEAL THE WIRE'S ENTRY INTO HANDHOLE TO PREVENT WATER INTRUSION.

NOTE: AFTER GROUNDING INSTALLATION IS COMPLETE, THE SEATTLE CITY LIGHT ELECTRICAL REVIEWER MUST TEST AND APPROVE GROUNDING BEFORE VAULTS/HANDHOLES WILL BE ACCEPTED FOR SERVICE.

# SPECIFIC REQUIREMENTS VAULTS/HANDHOLES:

- VAULTS/HANDHOLES COVER SHALL HAVE HINGED SLIP—RESISTANT LID WITH "SCL" DESIGNATION.
- POSITION VAULTS/HANDHOLES TO AVOID COLLECTING SURFACE WATER.
- DO NOT INSTALL VAULTS/HANDHOLES IN STREET, PARKING AREA, OR DRIVEWAY.
- ENSURE VAULTS/HANDHOLES LOCATION WILL NOT BE OBSCURED OVER TIME BY PLANNED LANDSCAPING.
- VAULTS/HANDHOLES LID MUST OPEN FLAT.
- VAULTS CAN NOT BE INSTALLED IF GRADE EXCEEDS 5.6% IN ANY DIRECTION. VAULTS/HANDHOLES MUST BE SET AT INDICATED LOCATION, AS SHOWN ON SITE PLAN.
- VAULT VENTILATION OPENINGS MUST BE A MINIMUM OF 10 FEET FROM WINDOW, DOOR, OR FLAMMABLE SURFACE AND 3 FEET FROM
- 3-HOUR RATED FIRE RESISTANCE (NON-COMBUSTIBLE STRUCTURE).
- PROVIDE A PERMANENT, LEVEL, UNOBSTRUCTED 8—FEET WIDE WORKING AREA AROUND THE TRANSFORMER VAULTS.
- PROVIDE 25-FEET CLEAR SPACE ABOVE EACH TRANSFORMER VAULT (V-01, V-02, AND V-03). • THERE SHALL NOT BE ANY PLANTED TREES WITHIN 2-FEET OF SCL VAULTS, HANDHOLES, AND
- CONDUITS. VAULTS: BACKFILL CONTROLLED DENSITY FILL (CDF) PER U2-15.1 SECTION #6 PAGE (3 OF 3).

# PRIMARY (HIGH VOLTAGE) CONDUITS:

SEATTLE CITY LIGHT GENERAL NOTES (PER SCL ENGINEERING PLAN SR#1606535)

- EXISTING CONDUIT STUBS AT MAIN ENTRANCE OF THE PROPERTY. INTERCEPT AND EXTEND TWO 4-INCH PVC SCH-40 PRIMARY CONDUITS FROM EXISTING SCL VAULT (V-665) INTO NEW VAULT (V-01).
- PROVIDE AND INSTALL TWO 4-INCH PVC SCH-40 PRIMARY CONDUITS BETWEEN: (V-01 AND V-02), (V-02 AND V-03)

PER SCL CONSTRUCTION GUIDELINES/STANDARDS 0214.00, 0222.02, 0224.05, U2-11.40, & 0226.06 AS SHOWN ON SITE PLAN AND VAULT DETAILS.

### **SPECIFIC REQUIREMENTS:**

- CONDUIT SHALL BE INSTALLED IN RIGHT OF WAY AND PRIVATE PROPERTY TO BE SERVED.
- JOINTS SHALL MEET SQUARELY, WITHOUT GAPS.
- CONDUITS SHALL ENTER A VAULT PERPENDICULAR TO WALL.
- ALL PRIMARY CONDUITS DEPTH TO BE 36-INCHES MINIMUM IN RIGHT-OF-WAY, EASEMENT AREA, AND IN PRIVATE PROPERTY.
- BENDS SHALL BE GALVANIZED RIGID STEEL. (4–FOOT RADIUS)
- A MAXIMUM OF 180' OF BENDS IS ALLOWED IN EACH PRIMARY CONDUIT RUN.
- PVC SCH-40 CONDUIT (10-FT SECTIONS) SHALL NOT BE BENT MORE THAN 15° (8° DEFLECTION AT END).
- ALL PRIMARY CONDUITS SHALL BE ENCASED WITH RED-DYED HIGH-STRENGTH FLUIDIZED THERMAL BACKFILL (FTB) WITHIN 3 INCHES OF THE CONDUITS. TRENCH BACKFILL SHALL BE NON-DYED CONTROLLED DENSITY FILL (CDF) AS DESCRIBED IN SCL CONSTRUCTION STANDARDS: 0224.05. 0222.02. & 0226.06. AND MATERIAL STANDARD 7150.00.
- FURNISH & INSTALL END BELLS FLUSH WITH INTERIOR WALLS ON ALL CONDUITS ENTERING THE VAULTS (V-01, V-02, & V-03). CONDUITS SHALL BE GROUTED BOTH INSIDE & OUTSIDE OF VAULTS

## SECONDARY & SERVICE (LOW VOLTAGE) CONDUITS:

- PROVIDE AND INSTALL TWO 3-INCH PVC SCH-40 SECONDARY CONDUITS BETWEEN: V-01 AND H-01; V-02 AND H-02; V-02 AND H-03; V-03 AND H-04; V-03 AND H-05; V-03 AND
- PROVIDE AND INSTALL ONE 3—INCH SERVICE CONDUIT: FROM H—01 TO EACH LOT METER BASE:
- (25, 26, 27, 28, 29, 30, AND 31). • PROVIDE AND INSTALL ONE 3-INCH SERVICE CONDUIT: FROM H-02 TO EACH LOT METER BASE: (19, 20, 21, 22, 23, AND 24).
- PROVIDE AND INSTALL ONE 3-INCH SERVICE CONDUIT: FROM H-03 TO EACH LOT METER BASE: (13, 14, 15, 16, 17, AND 18).
- PROVIDE AND INSTALL ONE 3-INCH SERVICE CONDUIT: FROM H-04 TO EACH LOT METER BASE:
- PROVIDE AND INSTALL ONE 3-INCH SERVICE CONDUIT: FROM H-05 TO EACH LOT METER BASE: (5, 6, 7, AND 8).
- PROVIDE AND INSTALL ONE 3-INCH SERVICE CONDUIT: FROM H-06 TO EACH LOT METER BASE: (1, 2, 3, AND 4).
- IN ACCORDANCE WITH SCL CONSTRUCTION GUIDELINES 0214.00, 0224.05, U2-11.40, U12-1.3, & 0231.01 AS SHOWN ON SITE PLAN AND HANDHOLE DETAILS.

# **SPECIFIC REQUIREMENTS:**

- SECONDARY/SERVICE CONDUITS SHALL BE INSTALLED IN RIGHT OF WAY AND PRIVATE PROPERTY TO BE SERVED.
- JOINTS SHALL MEET SQUARELY, WITHOUT GAPS.
- ALL SECONDARY/SERVICE CONDUITS DEPTH TO BE 36-INCHES MINIMUM IN RIGHT-OF-WAY, AND 24-INCHES MINIMUM IN PRIVATE PROPERTY.
- BENDS SHALL BE GALVANIZED RIGID STEEL. (3-FOOT RADIUS).
- A MAXIMUM OF 270° OF BENDS IS ALLOWED IN EACH SECONDARY/SERVICE CONDUIT RUN.
- PVC SCH-40 CONDUIT (10-FT SECTIONS) SHALL NOT BE BENT MORE THAN 15° (8° DEFLECTION AT END).
- CONDUITS SHALL ENTER THE HANDHOLES PERPENDICULAR TO WALL
- FURNISH & INSTALL END BELLS FLUSH WITH INTERIOR WALLS ON ALL CONDUITS ENTERING
- CONDUITS SHALL BE GROUTED BOTH INSIDE & OUTSIDE OF THE HANDHOLES.

# STREET LIGHTING GENERAL NOTES:

- INSTALLATION OF UNDERGROUND STREETLIGHT SYSTEMS. AND STREETLIGHT SYSTEM GROUNDING
- AND BONDING SHALL BE PER SEATTLE CITY LIGHT (SCL) CONSTRUCTION STANDARD 1714.50. • TYPE 3 (24"x36"x12") HANDHOLE WITH 6" MIN THICKNESS MINERAL AGGREGATE FILL AND 8' GROUND ROD PER SCL MATL 7203.08 AND SCL CONST STD 0230.01.
- TYPE 1 (17"x19"x12") HANDHOLE WITH 6" MIN THICKNESS MINERAL AGGREGATE FILL AND 8' GROUND ROD PER SCL MATL 7203.10 AND SCL CONST STD 0230.01.
- TRENCH AT 24" DEPTH BENEATH PLANTING STRIP AND SIDEWALKS. TRENCH AT 36" DEPTH ON STREET CROSSINGS
- 2-3" SCHEDULE 80 CONDUIT ON ALL STREET CROSSINGS AT 36" DEPTH
- 2-2" SCHEDULE 80 CONDUIT BETWEEN ALL HANDHOLES AT 24" DEPTH.

# <u>ADDITIONAL NOTES:</u>

- INSTALLATIONS THAT DIFFER FROM SPECIFICATIONS MUST BE CORRECTED & MAY CAUSE ADDITIONAL PROJECT COSTS AND/OR DELAYS.
- ENSURE CONDUITS & SERVICE TERMINATION FACILITY WILL NOT DISCHARGE WATER INTO BUILDING. INSTALL SERVICE CONDUITS OR EQUIPMENT AT ELEVATIONS THAT WILL PREVENT WATER FROM ENTERING SERVICE EQUIPMENT OR BUILDING.
- PROVIDE ADEQUATE CITY LIGHT VEHICULAR (TRUCK) ACCESS TO THE VCAULT.HANDHOLE AT ALL TIMES FOR INSTALLATION AND SERVICE OF ELECTRICAL EQUIPMENT.

# CENTURY LINK GENERAL NOTES

- CENTURY LINK HANDHOLES, VAULTS, LIDS AND CONDUITS SHALL BE INSTALLED IN ACCORDANCE WITH SCL CONSTRUCTION GUIDELINES, UNLESS OTHERWISE NOTED ON THE PLANS OR REQUIRED BY CENTURY LINK INSPECTORS.
- CONTRACTOR SHALL COORDINATE WITH CENTURY LINK A MINIMUM OF ONE WEEK IN ADVANCE FOR ANY REQUIRED INSPECTION AND AS-BUILT RECORDING FOR THE CENTURY LINK SYSTEM. CENTURY LINK
- 3. ALL CENTURY LINK CONDUITS SHALL BE CLEANED, MANDRELLED/PROOFED AND INCLUDE A PULL STRING (MULE TAPE) PER CENTURY LINK REQUIREMENTS.
- 4. CONTRACTOR SHALL PROVIDE TO CENTURY LINK THE FINAL CONDUIT LENGTHS BETWEEN ADJACENT VAULTS AND HANDHOLES.

# COMCAST GENERAL NOTES

- COMCAST HANDHOLES, VAULTS, LIDS AND CONDUITS SHALL BE INSTALLED IN ACCORDANCE WITH SCL CONSTRUCTION GUIDELINES. UNLESS OTHERWISE NOTED ON THE PLANS OR REQUIRED BY COMCAST INSPECTORS.
- ALL COMCAST CONDUITS SHALL BE CLEANED, MANDRELLED AND INCLUDE A PULL STRING PER COMCAST REQUIREMENTS.
- CONTRACTOR SHALL CONTACT COREY FELLMAN (253-225-6961) WITH MINIMUM ONE WEEK ADVANCE NOTICE TO COORDINATE REQUIRED INSPECTION AND AS-BUILT OF INSTALLED COMCAST SYSTEM.
- COMCAST HANDHOLES LOCATED ADJACENT TO SINGLE FAMILY LOTS THAT MAY BE WITHIN FUTURE DRIVEWAY LOCATIONS ARE DENOTED ON THE PLANS AS EITHER TYPE 253-TA OR CHANNELL SGLB2436. THESE HANDHOLES SHALL BE UTILITY VAULT 253-TA HANDHOLES OR CHANNELL HANDHOLE MODEL SGLB2436243B720, RESPECTIVELY.

# PSE GENERAL NOTES

- INSTALLATION OF PIPING FOR GAS MAINS, SERVICE VALVES AND CONNECTION TO EXISTING GAS MAINS WILL BE BY PSE. CONTRACTOR SHALL CONTACT PSE/PILCHUCK CONTRACTORS TO COORDINATE SCHEDULE FOR DELIVERY OF MATERIALS AND INSTALLATION OF PSE SYSTEM.
- CONTRACTOR SHALL COORDINATE TRENCHING AND BACKFILL OF TRENCH WITH PSE FOR INSTALLATION OF GAS MAINS AND SERVICES WITH A MINIMUM OF ONE WEEK ADVANCE NOTICE. PSE CONTACT: LISA GRIFFITH (206-418-4229).
- CONTRACTOR SHALL CONTACT PSE/PILCHUCK CONTRACTORS FOR ANY REQUIRED INSPECTIONS AND AS-BUILT RECORDING OF THE PSE SYSTEM, WITH MINIMUM ONE WEEK ADVANCE NOTICE.

DESIGNED BY CHECKED BY APPROVED B DATE 2 07/04/18 REVISED PLAN MAY 25, 2018 06/21/18 PER SCL REVIEW COMMENTS J O B No. : 114137.10 DATE | BY | CHD. | APPR. **REVISION** 

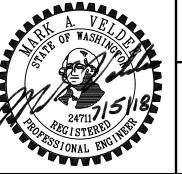
Call 811
two business days **L** two business days before you dig S C A L E:

AS NOTED





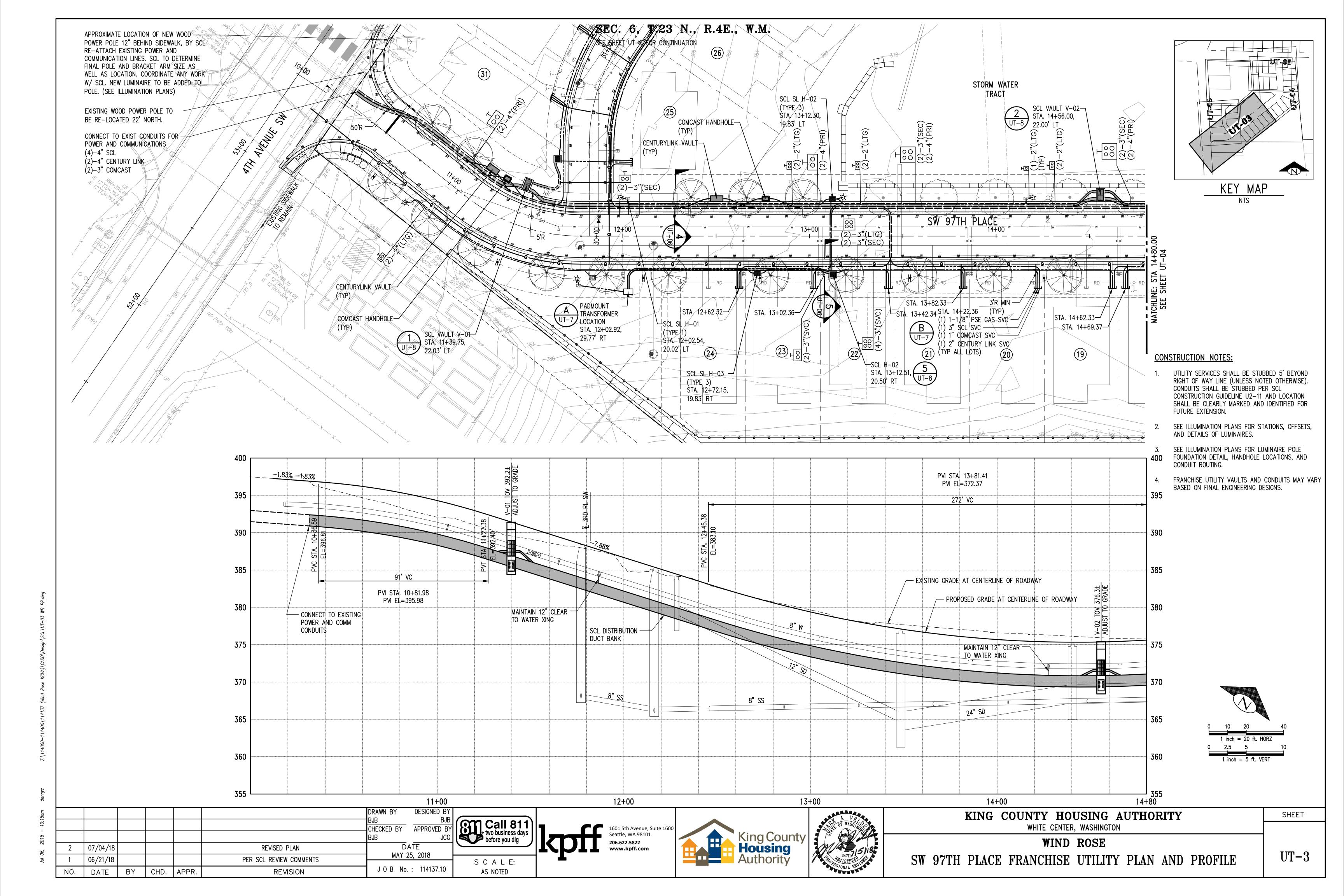


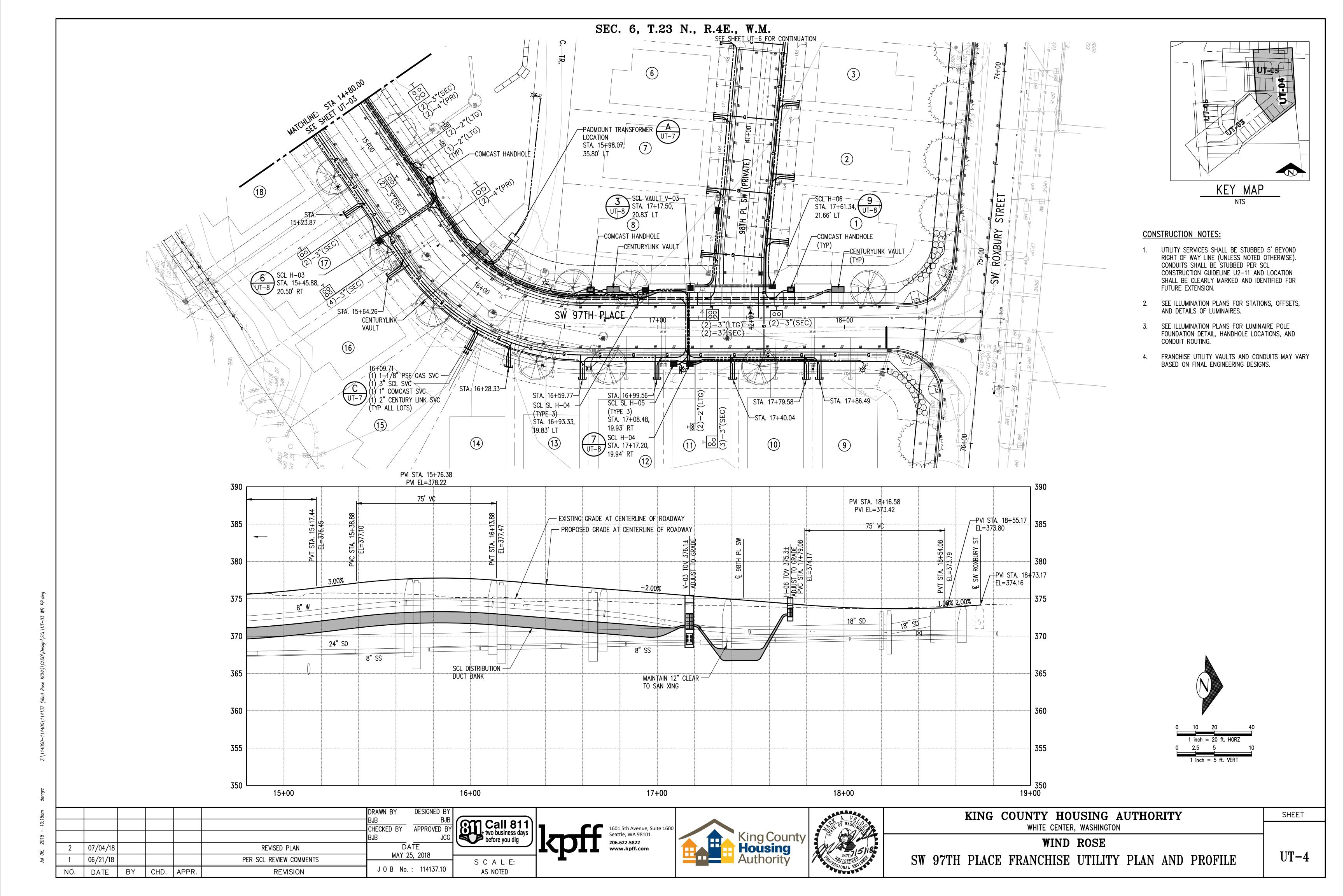


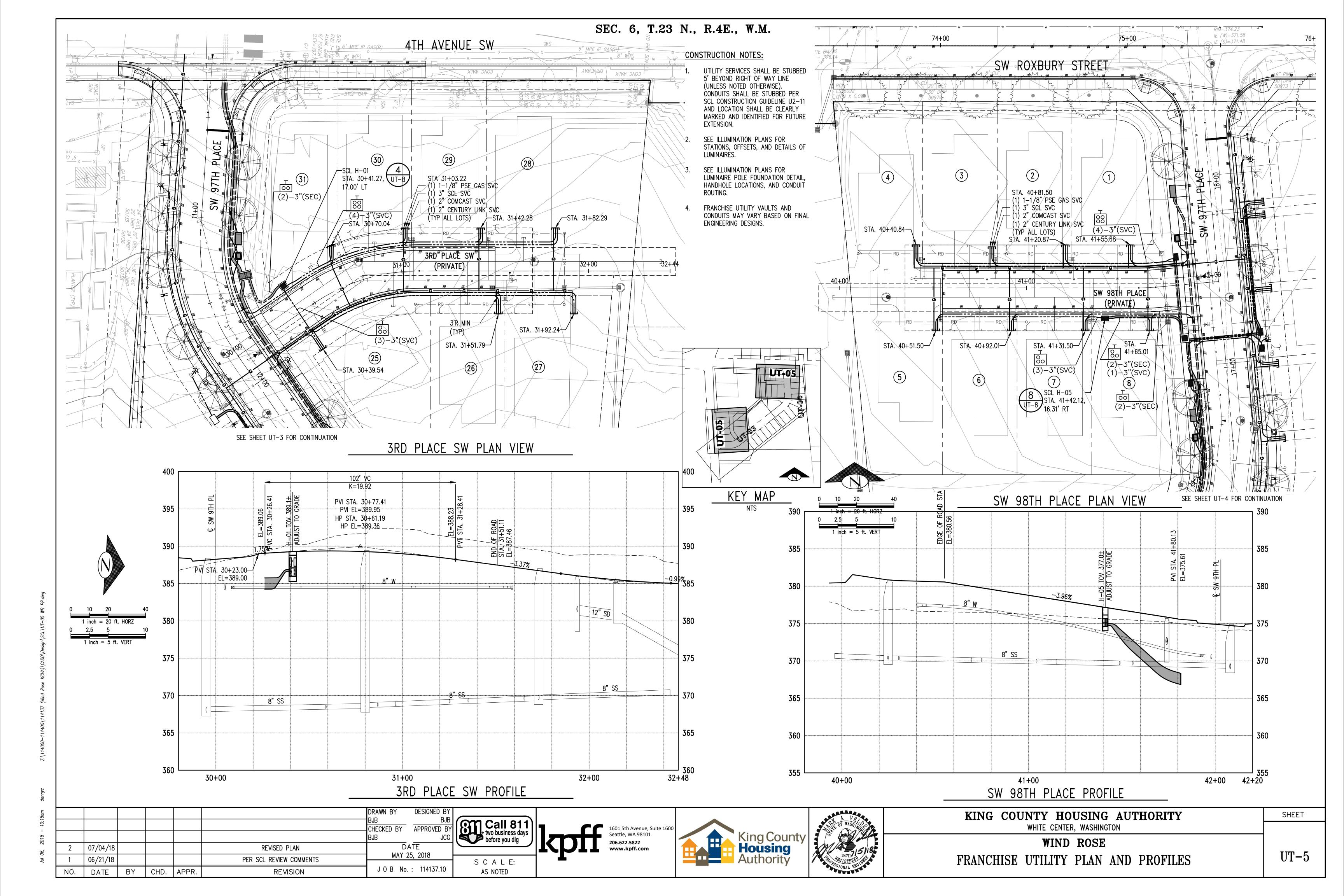
KING COUNTY HOUSING AUTHORITY WHITE CENTER. WASHINGTON

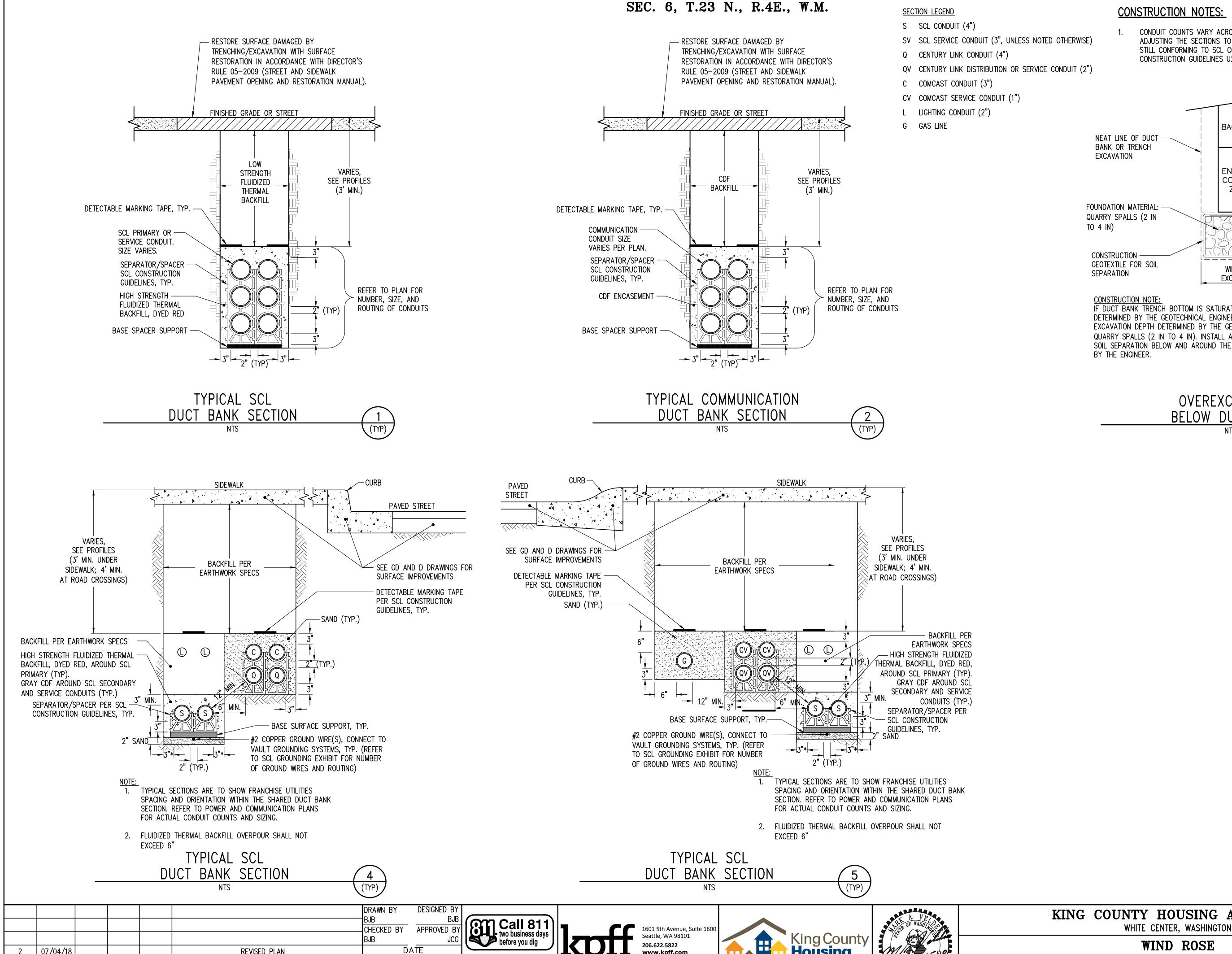
WIND ROSE

FRANCHISE UTILITY NOTES





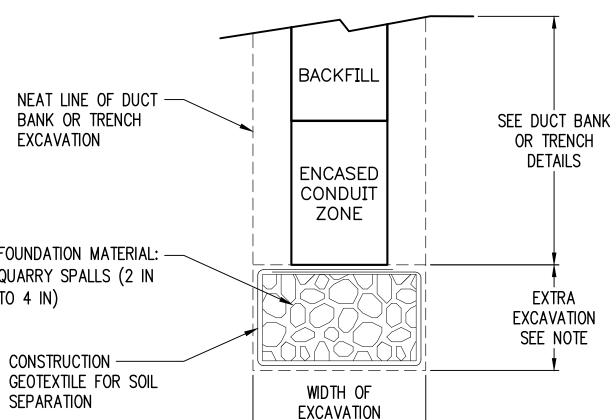




**CONSTRUCTION NOTES:** 

CONDUIT COUNTS VARY ACROSS THE SITE. CONTRACTOR IS RESPONSIBLE FOR STILL CONFORMING TO SCL CONSTRUCTION GUIDELINES. REFER TO SCL

ADJUSTING THE SECTIONS TO ACCOMMODATE MORE OR LESS CONDUITS WHILE CONSTRUCTION GUIDELINES U2-10, U2-11 AND U12-1.4.



IF DUCT BANK TRENCH BOTTOM IS SATURATED OR LOCATED IN POOR SOILS, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THEN OVEREXCAVATE WITH EXTRA EXCAVATION DEPTH DETERMINED BY THE GEOTECHNICAL ENGINEER. BACKFILL WITH QUARRY SPALLS (2 IN TO 4 IN). INSTALL A LAYER OF CONSTRUCTION GEOTEXTILE FOR SOIL SEPARATION BELOW AND AROUND THE BACKFILL IF DETERMINED TO BE NEEDED

> OVEREXCAVATION BELOW DUCT BANK NTS

(TYP)

2 07/04/18

06/21/18

DATE BY CHD. APPR.

REVISED PLAN

PER SCL REVIEW COMMENTS

REVISION

MAY 25, 2018

J O B No.: 114137.10

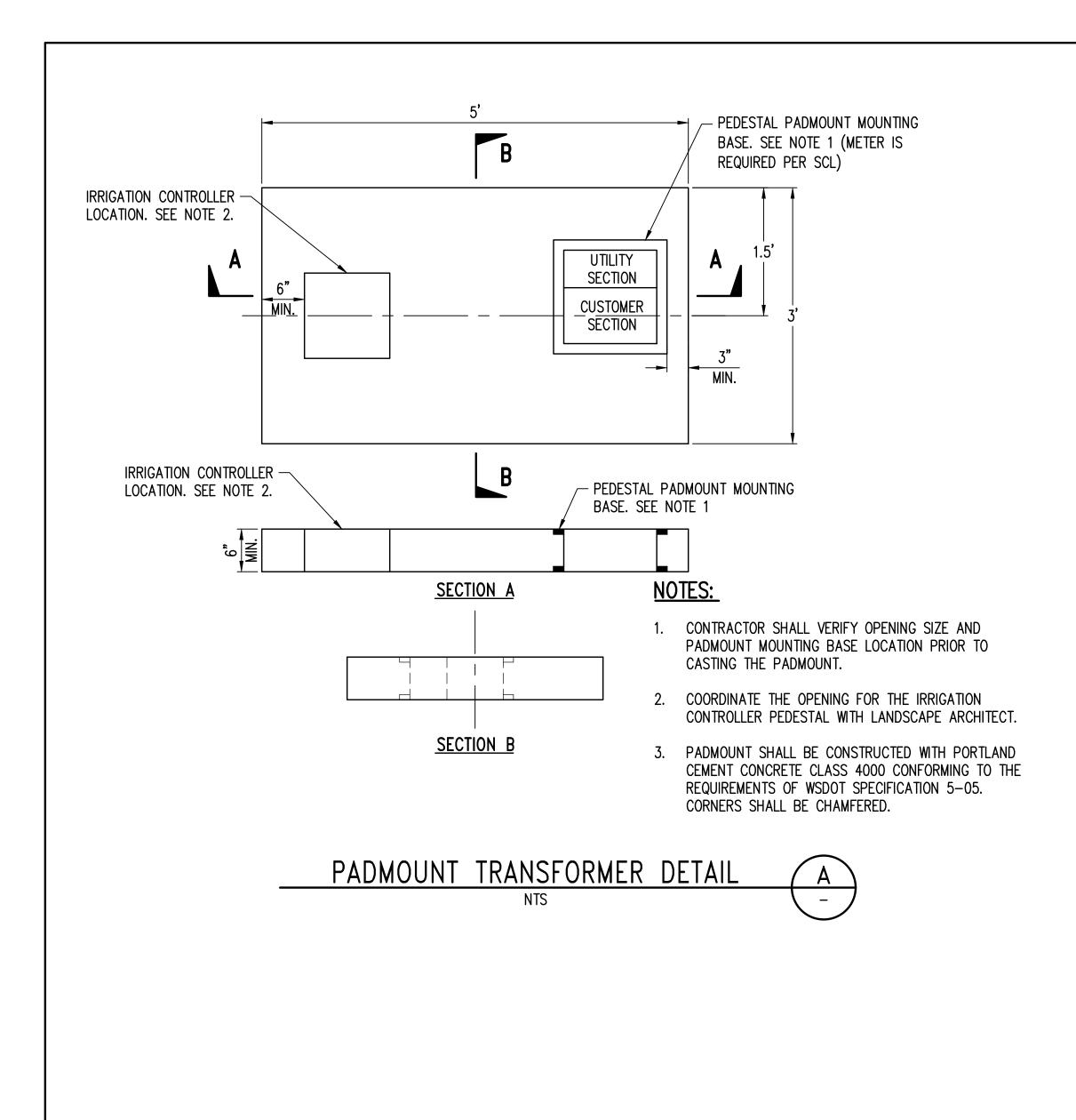
S C A L E:

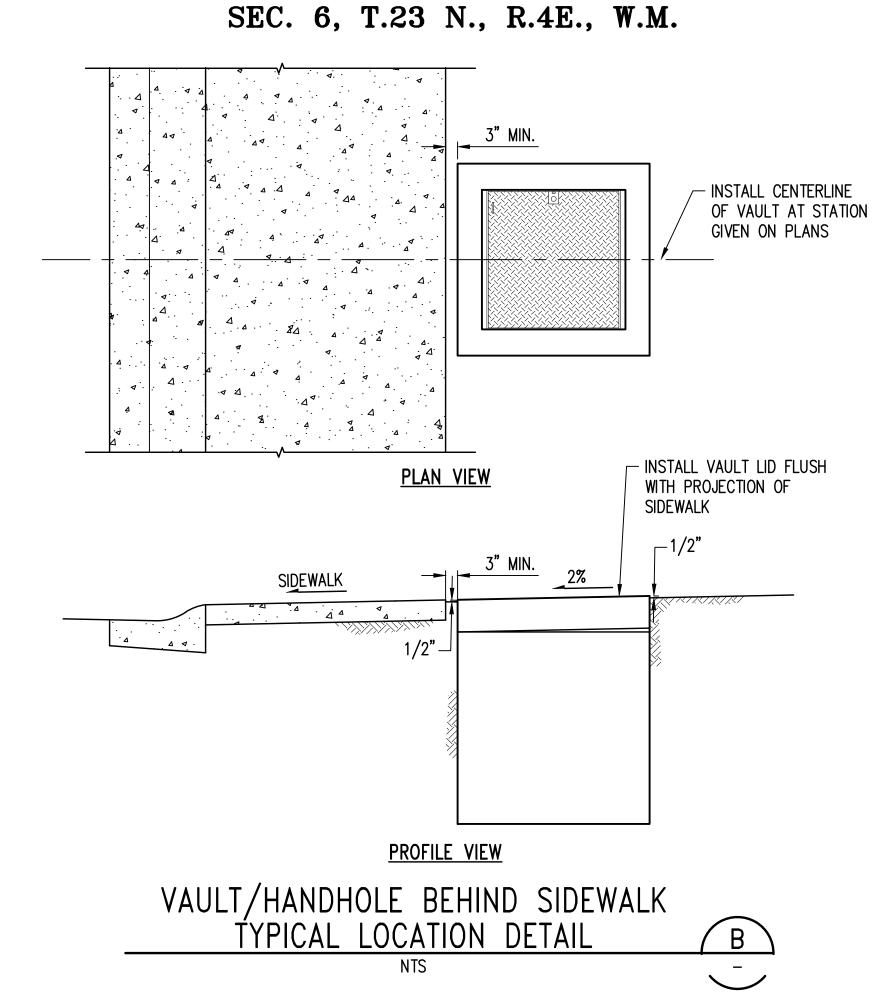
AS NOTED

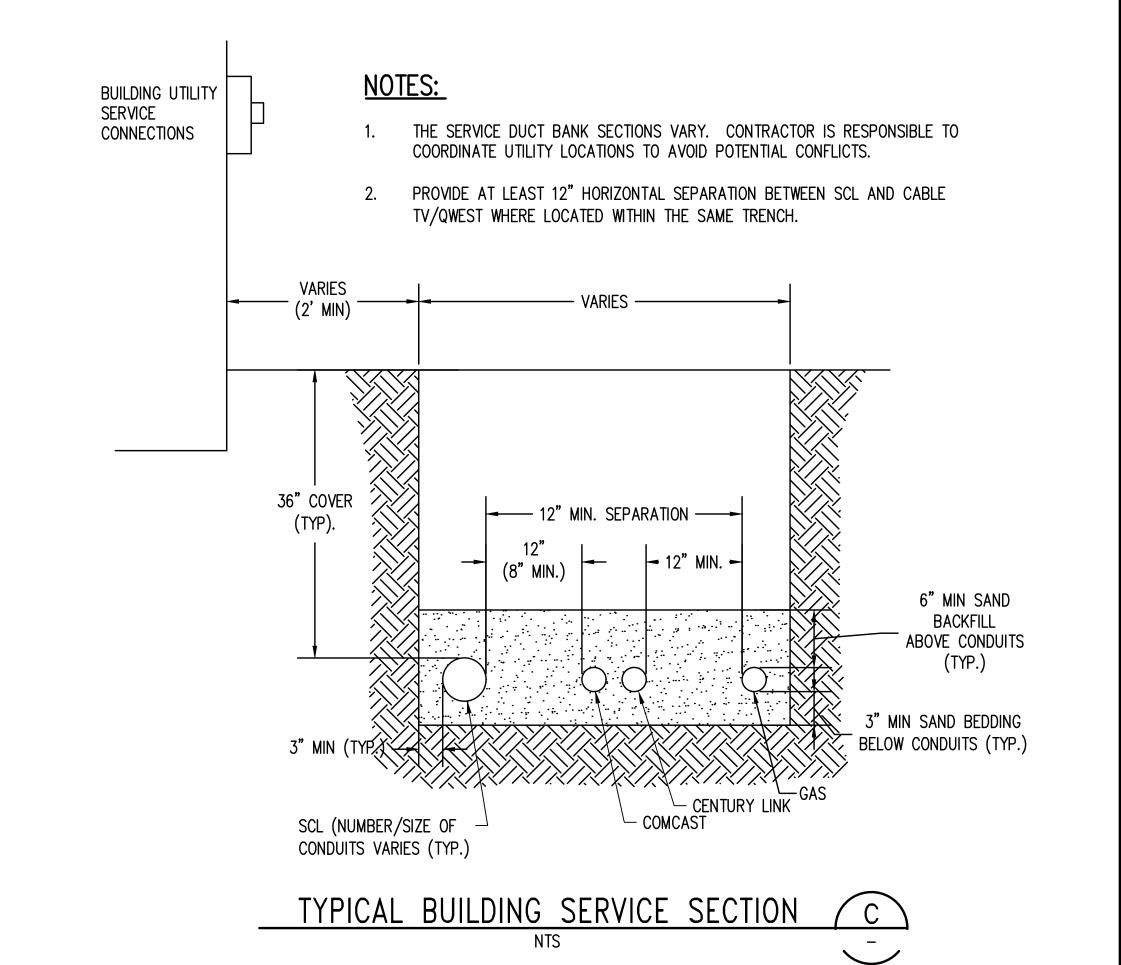
www.kpff.com











DATE 2 07/04/18 REVISED PLAN MAY 25, 2018 06/21/18 PER SCL REVIEW COMMENTS J O B No. : 114137.10 DATE BY CHD. APPR. REVISION



AS NOTED

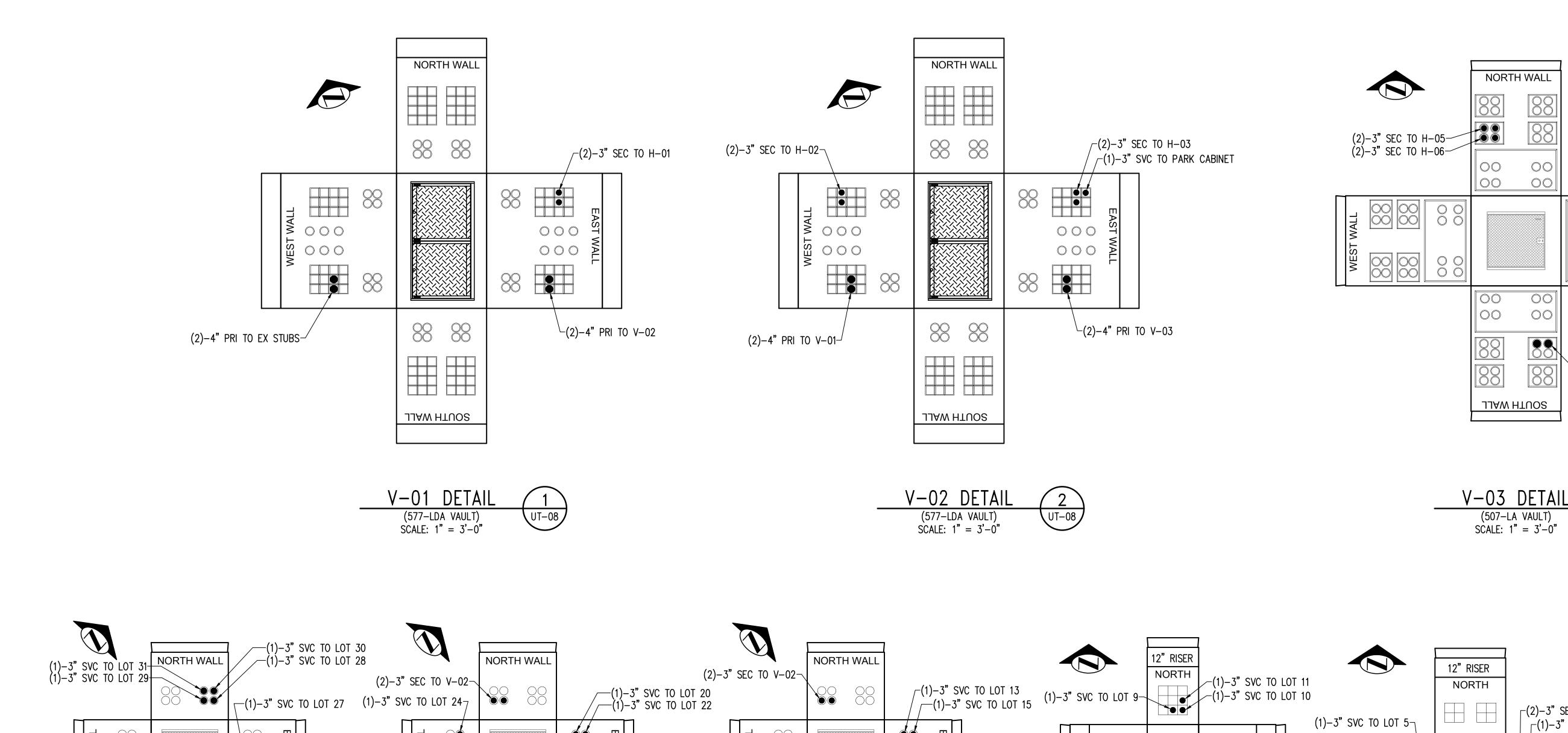


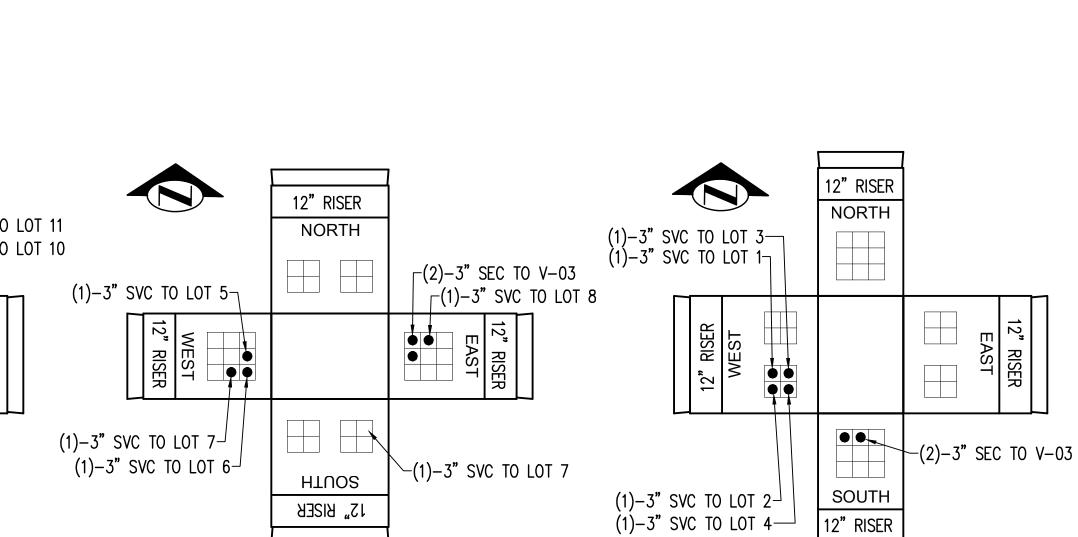




KING COUNTY HOUSING AUTHORITY WHITE CENTER, WASHINGTON

WIND ROSE FRANCHISE UTILITY SECTIONS AND DETAILS UT-7





00

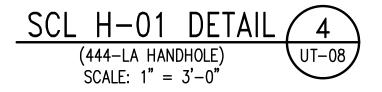
00

00

-(2)-4" PRI TO V-02

<u>UT-08</u>

(2)-3" SEC TO H-04



**SOUTH WALL** 

SCL H-02 DETAIL 5 (444-LA HANDHOLE)SCALE: 1" = 3'-0"UT-08

SOUTH WALL

SCL H-03 DETAIL (444-LA HANDHOLE)SCALE: 1" = 3'-0" UT-08

SOUTH WALL

(1)-3" SVC TO LOT 16 -(1)-3" SVC TO LOT 14

(2)-3" SEC TO V-03<sup> $\bot$ </sup>

(1)-3" SVC TO LOT 12-

SCL H-04 DETAIL (233-LA HANDHOLE)SCALE: 1" = 3'-0" UT-08

SOUTH

12" RISER

SCL H-05 DETAIL 8 (233-LA HANDHOLE)SCALE: 1" = 3'-0" UT-08 SCL H-06 DETAIL (233-LA HANDHOLE)SCALE: 1" = 3'-0" UT-08

						DRAWN BY	DESIGNED BY	
						BJB	BJB	6
						CHECKED BY	APPROVED BY	};
						BJB	JCG	
2	07/04/18				REVISED PLAN	DATE MAY 25, 2018		
1	06/21/18				PER SCL REVIEW COMMENTS	MAY 25, 2018		
NO.	DATE	BY	CHD.	APPR.	REVISION	JOB No.	: 114137.10	

(1)-3" SVC TO PARK CABINET  $\sqrt{\phantom{a}}$  (1)-3" SVC TO LOT 23-

-(1)-3" SVC TO LOT 25

-(1)-3" SVC TO LOT 26



(1)-3" SVC TO LOT 18-(1)-3" SVC TO LOT 17-

(1) – 3" SVC TO LOT 21

(1)-3" SVC TO LOT 19

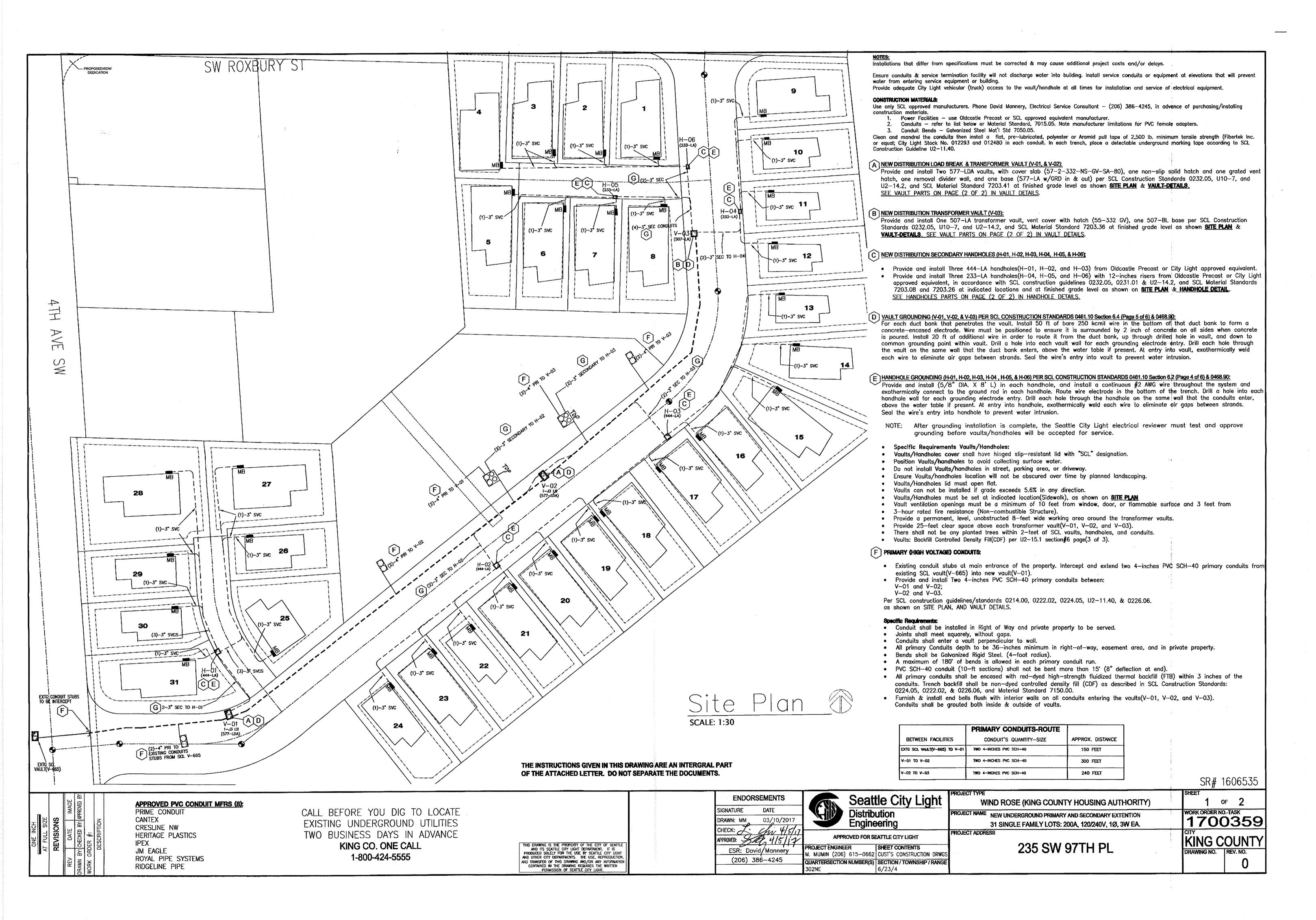


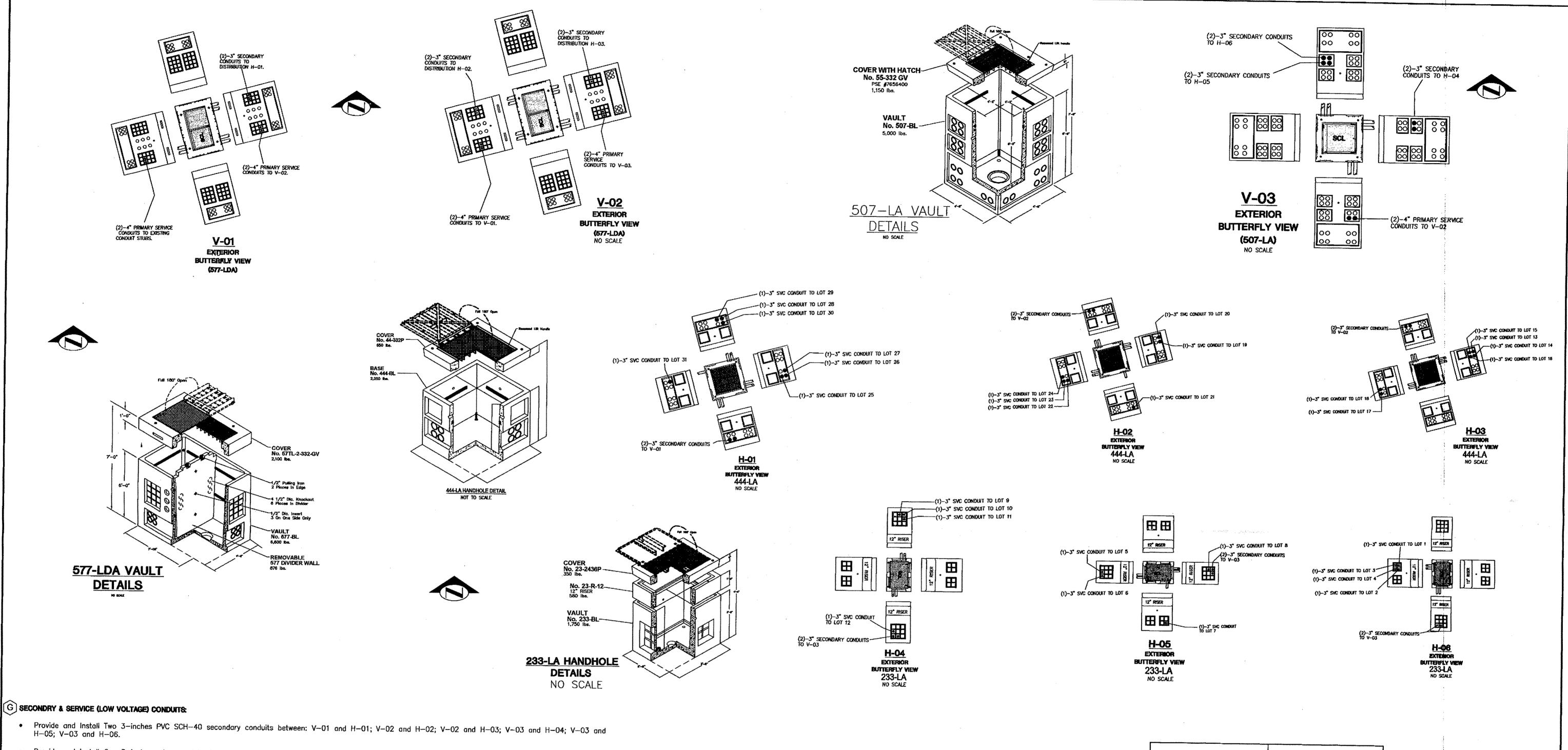




KING	COUNTY	HOU	JSING	AUTHORITY	
	WHITE	CENTER,	WASHINGT	ON	

UT-8





- Provide and install One 3—inch service conduit: from H-01 to each Lot Meter Base: (25, 26, 27, 28, 29, 30, and 31).
- Provide and install One 3-inch service conduit: from H-02 to each Lot Meter Base: (19, 20, 21, 22, 23, and 24).
- Provide and install One 3-inch service conduit: from H-03 to each Lot Meter Base: (13, 14, 15, 16, 17, and 18).
- Provide and install One 3-inch service conduit: from H-04 to each Lot Meter Base: (9, 10, 11, and 12). • Provide and install One 3—inch service conduit: from H-05 to each Lot Meter Base: (5, 6, 7, and 8).
- Provide and install One 3-inch service conduit: from H-06 to each Lot Meter Base: (1, 2, 3, and 4). In accordance with SCL construction guidelines 0214.00, 0224.05, U2-11.40, U12-1.3, & 0231.01 as shown on SITE PLANT & HANDHOLE DETAILS.

# Specific Requirements:

- Secondary/Service Conduits shall be install Right of Way and private property to be served.
- Joints shall meet squarely, without gaps.
- All secondary/service conduits depth to 36-inches in Right of Way, and 24-inches minimum in private property.
- Bends shall be Galvanized Rigid Steel. (3-foot radius).
- A maximum of 270° of bends is allowed in each secondary/service conduit run. PVC SCH-40 conduit (10-ft sections) shall not be bent more than 15' (8" deflection at end).
- Conduits shall enter the handholes perpendicular to wall.
- Furnish & install end bells flush with interior walls on all conduits entering handholes. Conduits shall be grouted both inside & outside of the Handholes.

BETWEEN FACILITIES	SECONDARY CONDUITS-ROUTE  CONDUIT'S QUANTITY—SIZE	APPROX. DISTANCE
V-01 TO H-01	TWO 3-INCHES PVC SCH-40	90 FEET
V-02 TO H-02	TWO 3-INCHES PVC SCH-40	130 FEET
V-02 TO H-03	TWO 3-INCHES PVC SCH-40	146 FEET
V-03 TO H-04	TWO 3-INCHES PVC SCH-40	70 FEET
V-03 TO H-05	TWO 3-INCHES PVC SCH-40	80 FEET
V-03 TO H-06	TWO 3-INCHES PVC SCH-40	70 FEET

THE INSTRUCTIONS GIVEN IN THIS DRAWING ARE AN INTERGRAL PART OF THE ATTACHED LETTER. DO NOT SEPARATE THE DOCUMENTS.

SIGNATURE

PPROVED:

(206) 386 - 4245

HANDHOLES	(FAULT CURRENT) AIC AT HANDHOLES
HANDHOLE (H-01)	12,000 AMPS
HANDHOLE (H-02)	10,000 AMPS
HANDHOLE (H-03)	10,000 AMPS
HANDHOLE (H-04)	14,000 AMPS
HANDHOLE (H-05)	14,000 AMPS
HANDHOLE (H-06)	14,000 AMPS

PROJECT ADDRESS

ENDORSEMENT

L.		IMAGE	APPROVED BY:		-	
ONE INCH	REVISIONS	DATE	DRAWN BY: CHECKED BY: APPROVED BY:	)ER #:	DESCRIPTION	
	.   <del>LL.</del>	REV	RAWN BY:	WORK ORDER		

CALL BEFORE YOU DIG TO LOCATE EXISTING UNDERGROUND UTILITIES TWO BUSINESS DAYS IN ADVANCE KING CO. ONE CALL 1-800-424-5555

THIS DRAWING IS THE PROPERTY OF THE CITY OF SEATTLE
AND ITS SEATTLE CITY LIGHT DEPARTMENT. IT IS
PRODUCED SOLELY FOR THE USE BY SEATTLE CITY LIGHT
AND OTHER CITY DEPARTMENTS. THE USE, REPRODUCTION,
AND TRANSFER OF THIS DRAWING AND/OR ANY INFORMATION
CONTAINED IN THE DRAWING REQUIRES THE WRITTEN
PERMISSION OF SEATTLE CITY LIGHT.

	ENDORSEMENTS					
	NATURE DATE					
7	AWN: MM 03/10/2017					
	ECK. I chi 4/5/17					
APP	ROVED: \$29, 415/19					
PROJECT ENGIN	ESR: David Mannery					

**Seattle City Light** Distribution Engineering

PROVED FOR SEATTLE CITY LIGHT

PROJECT ENGINEER SHEET CONTENTS M. MUMIN (206) 615-0662 CUST'S CONSTRUCTION DRWG QUARTERSECTION NUMBER(S) SECTION / TOWNSHIP / RANGE 6/23/4

	SR#	#	16065	535	ı
	SHEET	•			-
WIND ROSE(KING COUNTY HOUSING AUTHORITY)	1		OF	1	

PROJECT NAME NEW UNDERGROUND PRIMARY AND SECONDARY EXTENSION WORK ORDER NO.-TASK 1700359 31 SINGLE FAMILY LOTS: 200A, 120/240V, 1Ø, 3W EA 235 SW 97TH PL

KING COUNTY PRAWING NO. REV. NO.