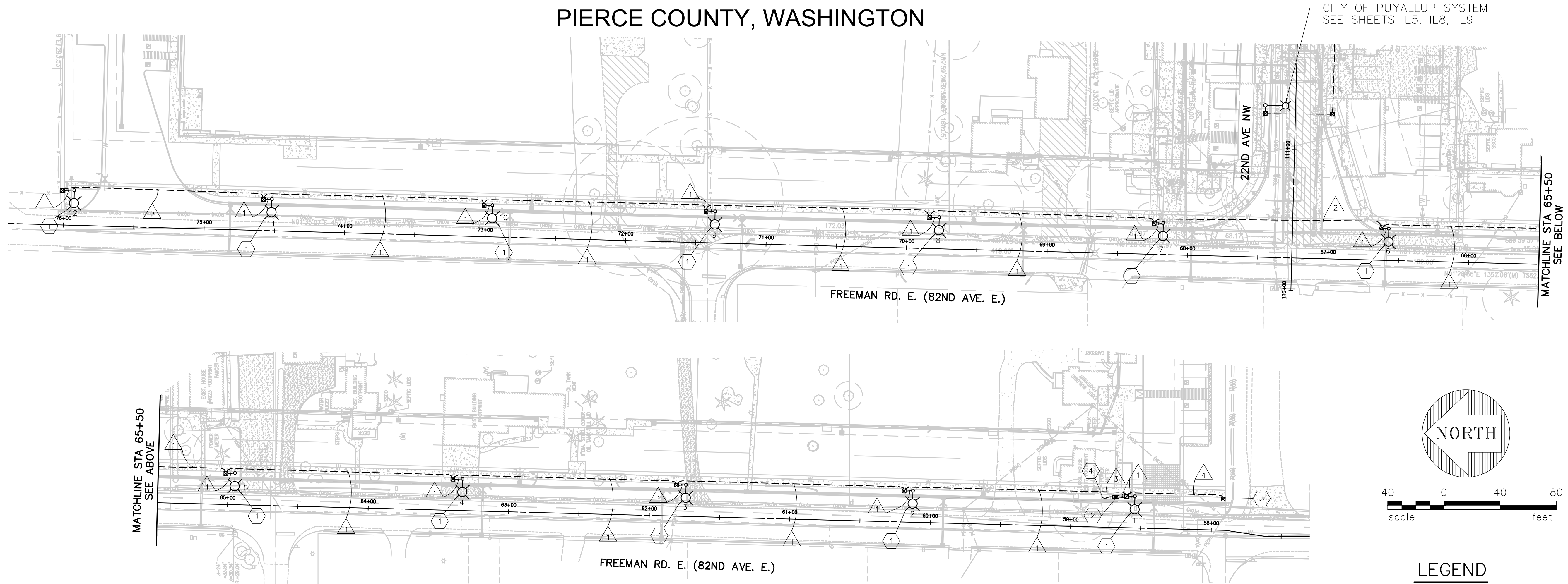


PORTION OF SECTIONS 17 & 20, TOWNSHIP 20 N, RANGE 4 EAST, W.M.,
PIERCE COUNTY, WASHINGTON



GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY OF FIFE STANDARD DETAILS AND DRAWINGS, WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AND WSDOT STANDARD PLANS (ALL CURRENT VERSIONS).
- THE LOCATIONS OF UTILITIES AND FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- ALL OVERHEAD POWER LINES SHALL BE UNDERGROUNDED ALONG PROJECT FRONTAGE. NO LIGHT STANDARDS SHALL BE ERECTED PRIOR TO UNDERGROUNDING.
- ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- CONDUIT AND JUNCTION BOX LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD WITH DIRECTION FROM THE CITY.

CONSTRUCTION NOTES

- CONSTRUCT 2' DIAMETER FOUNDATION PER CITY OF FIFE STANDARD DETAIL IL1. INSTALL NEW HAPCO RTA LIGHT STANDARD WITH 6' ARM AND AEL (ATBM-P40-MVOLT-R2-NL-P7) LED FIXTURE WITH TYPE 2 DISTRIBUTION PER LUMINAIRE SCHEDULE. INSTALL TYPE 1 JUNCTION BOX WITHIN 6' OF LIGHT STANDARD PER WSDOT STANDARD PLAN J-40.10-04.
- CONSTRUCT FOUNDATION AT APPROXIMATELY STA 58+69, 22' RT AND INSTALL NEW 200 AMP TYPE D SERVICE CABINET PER WSDOT STANDARD PLANS J-10.10-04 AND J-10.21-02.
- INSTALL NEW TYPE 1 OR TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.
- COORDINATE WITH ELECTRIC UTILITY FOR POINT OF SERVICE. ROUTE SERVICE ENTRANCE CONDUIT AND CONDUCTORS TO POINT OF SERVICE PER UTILITY REQUIREMENTS. COORDINATE WITH UTILITY FOR SERVICE CONNECTION.

LUMINAIRE SCHEDULE

LUM. NO.	CIRCUIT NO.	LOCATION	OFFSET (FEET)	LAMP TYPE	MAST ARM (FEET)	MOUNTING HGT. (FT.)	POLE H1 HGT. (FT.)	FOUNDATION TYPE	REMARKS
1	A	FREEMAN RD 58+54.84	22.50 RT	LED	6	35	35	A	ATBM P40 R2
2	A	FREEMAN RD 60+12.83	22.50 RT	LED	6	35	35	A	ATBM P40 R2
3	A	FREEMAN RD 61+74.33	22.50 RT	LED	6	35	35	A	ATBM P40 R2
4	A	FREEMAN RD 63+33.37	22.50 RT	LED	6	35	35	A	ATBM P40 R2
5	A	FREEMAN RD 64+95.33	22.50 RT	LED	6	35	35	A	ATBM P40 R2
6	A	FREEMAN RD 66+57.34	22.65 RT	LED	6	35	35	A	ATBM P40 R2
7	A	FREEMAN RD 68+17.84	22.50 RT	LED	6	35	35	A	ATBM P40 R2
8	A	FREEMAN RD 69+77.34	22.50 RT	LED	6	35	35	A	ATBM P40 R2
9	A	FREEMAN RD 71+36.84	22.50 RT	LED	6	35	35	A	ATBM P40 R2
10	A	FREEMAN RD 72+95.38	22.50 RT	LED	6	35	35	A	ATBM P40 R2
11	A	FREEMAN RD 74+52.38	22.50 RT	LED	6	35	35	A	ATBM P40 R2
12	A	FREEMAN RD 75+93.05	25.00 RT	LED	6	35	35	A	ATBM P40 R2

WIRING SCHEDULE

NO.	RACEWAY	CONDUCTORS
1	2" SCH 40	2-#6, 1-#6 GROUND
2	2" SCH 80	2-#6, 1-#6 GROUND
3	3" SCH 80	3-250 KCML, POWER
4	2" SCH 80	SPARE, INSTALL PULL CORD

LEGEND

- NEW
- LUMINAIRE
- CONDUIT (SEE WIRING SCHEDULE)
- TYPE 1 JUNCTION BOX
- TYPE 2 JUNCTION BOX
- ELECTRICAL SERVICE CABINET
- WIRE NOTE
- CONSTRUCTION NOTE

CAUTION:
LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AS REQUIRED AND FIELD VERIFY LOCATION OF UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION.

UNDERGROUND UTILITY NOTE:

YOU MUST CALL 811 NOT LESS THAN 72 HOURS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS (UP TO THREE TIMES THE COST OF REPAIRS TO THE SERVICE).

APPROVED FOR CONSTRUCTION

ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

FOR:

CRP/VDC FREEMAN LOGISTICS
OWNER, LLC
11411 NE 124th St., Suite 190
Kirkland, WA 98034



HTE HERMAN TRAFFIC ENGINEERING, INC.

11215 Southeast 220th Place, Kent, Washington 98031
253-236-4941 tel. bob@hte-inc.com

FREEMAN LOGISTICS
CITY OF PUYALLUP/CITY OF FIFE

IL1

ILLUMINATION PLAN (CITY OF FIFE)
FREEMAN RD. E.

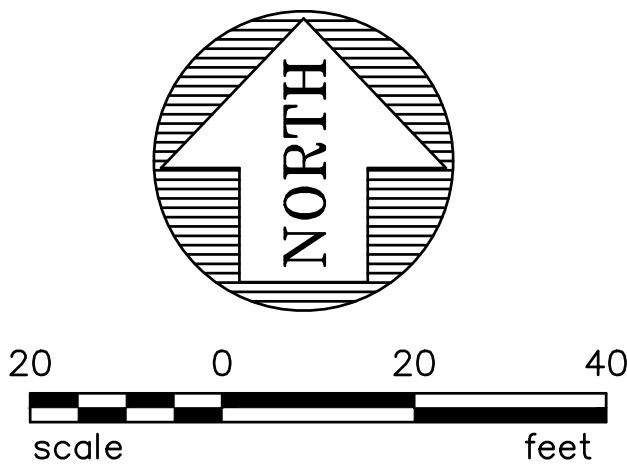
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PORTION OF SECTIONS 17 & 20, TOWNSHIP 20 N, RANGE 4 EAST, W.M.,
PIERCE COUNTY, WASHINGTON

LEGEND

- NEW
- LUMINAIRE
- CONDUIT (SEE WIRING SCHEDULE)
- TYPE 1 JUNCTION BOX
- ELECTRICAL SERVICE CABINET
- WIRE NOTE
- CONSTRUCTION NOTE



GENERAL NOTES

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CONSTRUCTION NOTES

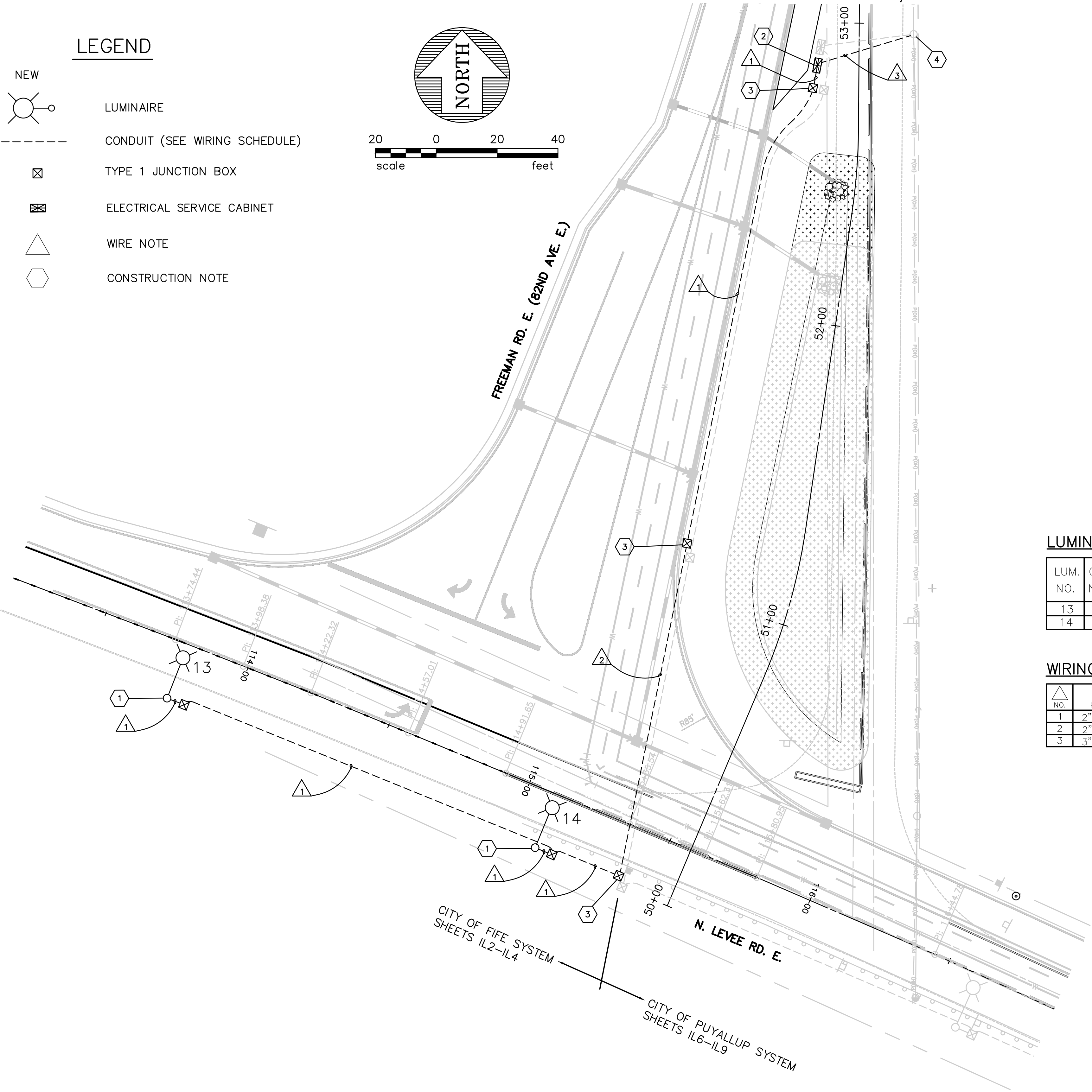
- CONSTRUCT 2' DIAMETER FOUNDATION PER CITY OF FIFE STANDARD DETAIL IL1. INSTALL NEW HAPCO RTA LIGHT STANDARD WITH 8' ARM AND AEL (ATBM-P40-MVOLT-R2-NL-P7) LED FIXTURE WITH TYPE 2 DISTRIBUTION PER LUMINAIRE SCHEDULE. INSTALL TYPE 1 JUNCTION BOX WITHIN 6' OF LIGHT STANDARD PER WSDOT STANDARD PLAN J-40.10-04.
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- INSTALL NEW TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.
- ROUTE SERVICE ENTRANCE CONDUIT AND CONDUCTORS TO NEW UTILITY POLE TO BE INSTALLED BY PUGET SOUND ENERGY (PSE) PER PSE REQUIREMENTS. COORDINATE WITH PSE FOR SERVICE CONNECTION.

LUMINAIRE SCHEDULE

LUM. NO.	CIRCUIT NO.	LOCATION	OFFSET (FEET)	LAMP TYPE	MAST ARM (FEET)	MOUNTING HGT. (FT.)	POLE H1 HGT. (FT.)	FOUNDATION TYPE	REMARKS
13	A	LEVEE RD 113+78.93	19.00 RT	LED	12	32	35	B	ATBM P40 R2
14	A	LEVEE RD 115+09.83	19.00 RT	LED	12	32	35	B	ATBM P40 R2

WIRING SCHEDULE

NO.	RACEWAY	CONDUCTORS
1	2" SCH 40	2-#8, 1-#8 GROUND
2	2" SCH 80	2-#8, 1-#8 GROUND
3	3" SCH 80	3-250 KCML, POWER



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APPROVED FOR CONSTRUCTION

ENGINEERING MANAGER	DATE
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FOR:

CRP/VDC FREEMAN LOGISTICS
OWNER, LLC
11411 NE 124th St., Suite 190
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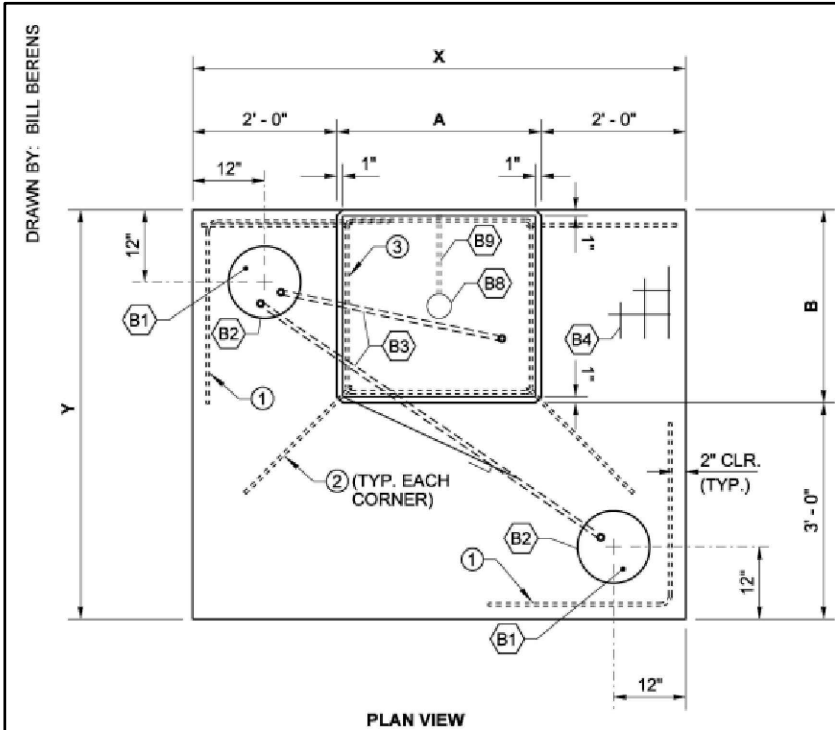
FREEMAN LOGISTICS
CITY OF PUYALLUP/CITY OF FIFE

ILLUMINATION PLAN (CITY OF FIFE)
FREEMAN RD. E./N. LEVEE RD. E.

IL2

SHEET
OF
SHEETS

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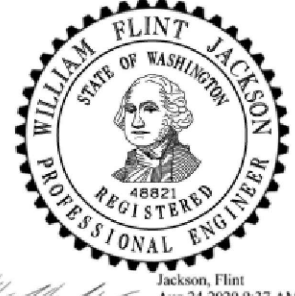
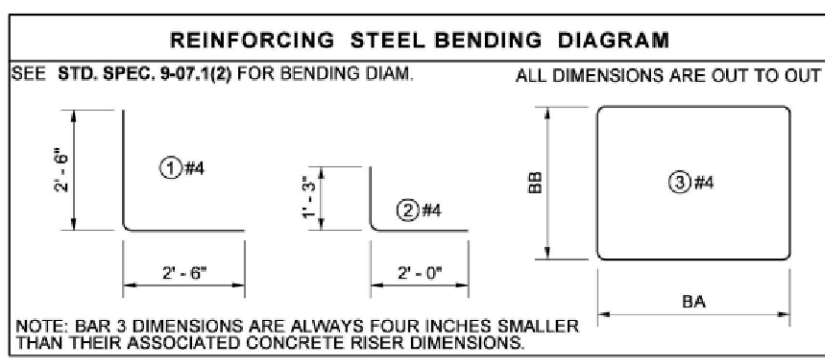
KEY NOTES - SHEET 3 OF 6

- (B1) Ground rod - See Note B1, this sheet.
- (B2) Ground rod well (Ground tie) - 12" diameter concrete
- (B3) Service ground electrode conduits.
- (B4) Welded wire fabric - See Note B2, this sheet.
- (B5) Utility entrance (service cabinet) or input power (transformer cabinet) conduit. Conduit shall terminate in the utility or high-voltage section of the cabinet (as applicable).
- (B6) Conduits to field equipment. Conduits shall terminate in the customer section (service cabinet) or low-voltage (transformer cabinet) of the cabinet.
- (B7) Conduit couplers - See Note B4, this sheet.
- (B8) 4" (in.) diam. x 1/2" (in.) deep sump. Slope foundation within cabinet footprint toward sump.
- (B9) 3/8" (in.) diam. polyethylene or copper tubing for drain. Tubing shall be straight, but slope downward a minimum of 1" (in.).

NOTES - SINGLE PAD MOUNT SERVICE OR TRANSFORMER CABINET (SHEET 3 OF 6)

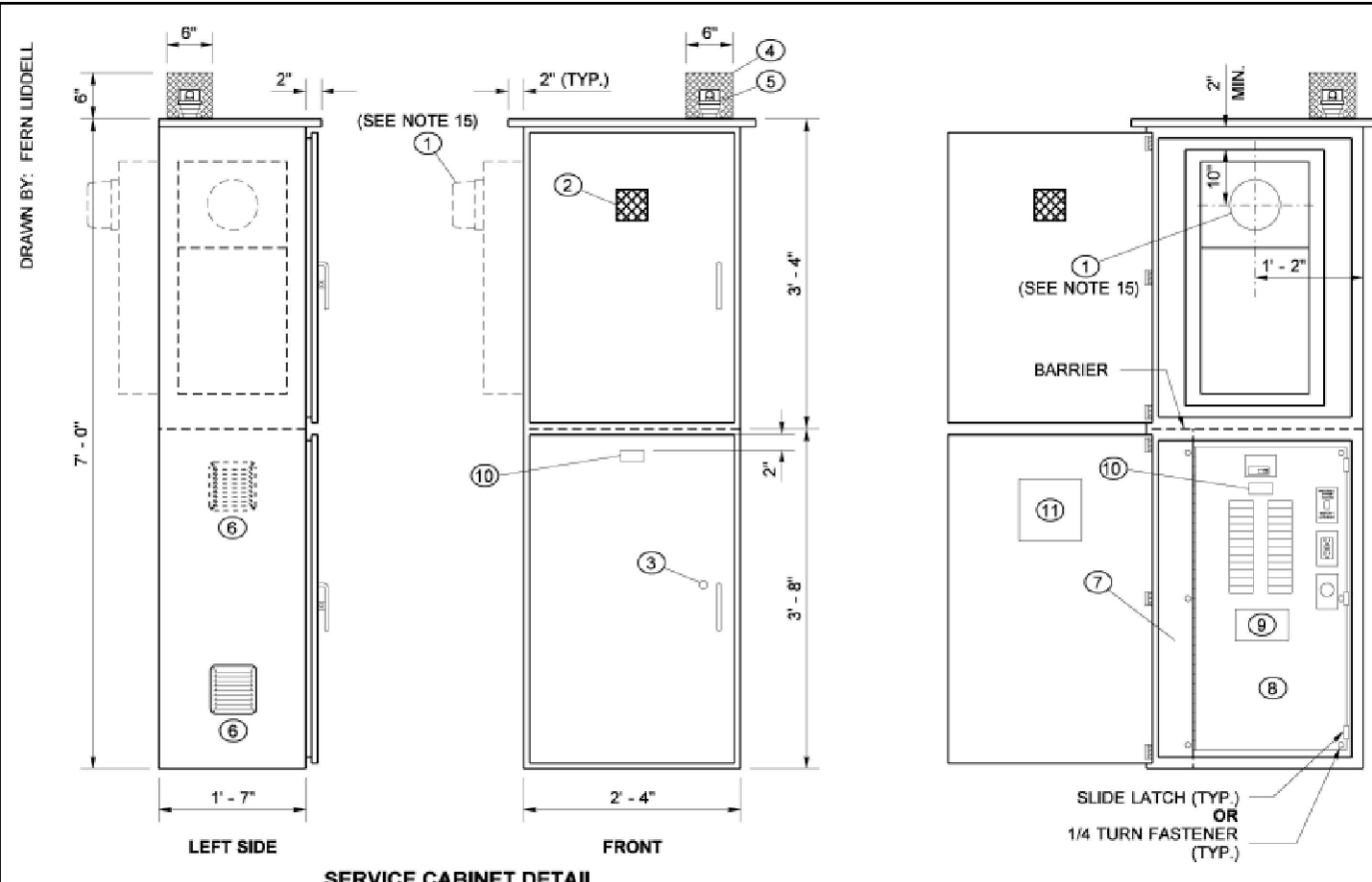
- B1. Drive ground rods before placing concrete. Ground rods shall be a minimum of 6 feet apart. See **Standard Plan J-60.05** for additional details.
- B2. Welded Wire Fabric (WWF) shall be 4.0 (in.) x 4.0 (in.) - W4.0 x W4.0 - meeting the requirements of **Standard Specification 9-07.7**. As an alternative, a grid of #3 rebar may be used, with bars spaced at 1'-0" centers laterally and longitudinally.
- B3. Omit concrete riser and bar #3 for Type D and Type E service cabinets.
- B4. Install conduit couplings on all conduits. Couplers shall be installed with the top of the coupler flush with the top of concrete. For PVC conduits, the conduit segment above the coupler shall not be glued to the coupler.
- B5. Conduits shall extend a minimum of 2" (in.) and a maximum of 3" (in.) into the cabinet, as measured from the concrete surface to the top of the end bell (PVC) or ground bushing (RMC).
- B6. Serving utility may require meter socket to be installed on the outside of the cabinet. Utility feeder conduit shall still terminate in the utility section of the cabinet unless otherwise required by the utility.
- B7. Additional gravel pad not shown. Gravel pad shall extend two feet in front of the concrete pad for the full width of the concrete pad. If the utility meter socket is installed on the outside of the service cabinet, gravel pad shall also extend three feet from the side of the cabinet pad where the meter is installed. Final gravel area shall be a rectangle.
- B8. See **Standard Plan J-10.14** for additional details when service or transformer cabinet is installed in fence line.

FOUNDATION SIZE REFERENCE TABLE							
SERVICE CABINETS	PAD WIDTH (X)	PAD DEPTH (Y)	RISER WIDTH (A)	RISER DEPTH (B)	HOOP (3) WIDTH (BA)	HOOP (3) DEPTH (BB)	
TYPE D	6'-4"	3'-8"	N/A	N/A	N/A	N/A	
TYPE E	6'-4"	3'-8"	N/A	N/A	N/A	N/A	
TRANSFORMER CABINETS	PAD WIDTH (X)	PAD DEPTH (Y)	RISER WIDTH (A)	RISER DEPTH (B)	HOOP (3) WIDTH (BA)	HOOP (3) DEPTH (BB)	
XFMR-S (UP TO 12.5 KVA)	6'-2"	4'-11"	2'-2"	1'-11"	1'-10"	1'-7"	
XFMR-L (12.6 TO 37.5 KVA)	6'-10"	5'-8"	2'-10"	2'-8"	2'-6"	2'-4"	

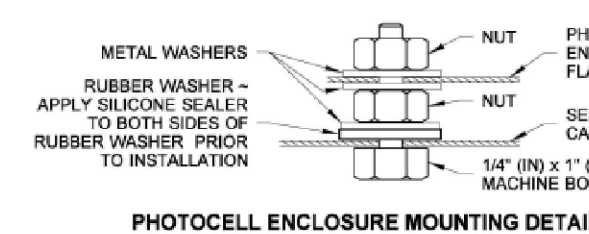


CABINET ORIENTATION CONDUIT LAYOUT AND FOUNDATION DETAIL STANDARD PLAN J-10.10-04

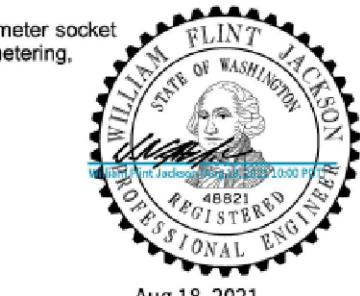
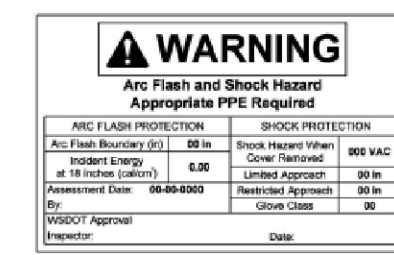
SHEET 3 OF 6 SHEETS
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- KEY
- (1) METER SOCKET/BASE PANEL PER UTILITY REQUIREMENTS - UTILITY MAY REQUIRE METER TO BE INSTALLED ON THE OUTSIDE OF THE CABINET INSTEAD OF INSIDE THE UTILITY SECTION OF THE CABINET
 - (2) UTILITY SECTION DOOR - HINGED FRONT FACING DOOR WITH 4" (in.) x 4" (in.) MINIMUM POLISHED WIRE GLASS WINDOW
 - (3) CUSTOMER SECTION DOOR WITH BEST CX 8-PIN LOCK CORE
 - (4) PHOTOCELL ENCLOSURE - SEE PHOTOCELL MOUNTING DETAIL - ENCLOSURE SHALL BE FABRICATED FROM EITHER:
A. 5/8" (in.) EXPANDED STEEL MESH WITH WELDED SEAMS AND MOUNTING FLANGES - HOT-DIP GALVANIZED AFTER FABRICATION - OR -
B. TYPE 302 - 1/2" ALUMINUM WITH 5/8" (in.) x 5/8" (in.) OPENINGS EQUIVALENT TO 5/8" (in.) EXPANDED STEEL MESH
 - (5) PHOTOELECTRIC CONTROL - SEE STANDARD SPECIFICATION, SECTION 9-28.11(5)
 - (6) SCREENED VENTS - TWO REQUIRED, ONE EACH SIDE - LOUVERED PLATES
 - (7) 6" (in.) x 6" (in.) MIN. UTILITY WIREWAY - BACK LEFT CORNER OF CUSTOMER SECTION - SHALL REQUIRE TOOLS TO OPEN - LABEL WITH "UTILITY WIREWAY"
 - (8) HINGED DEAD FRONT WITH 1/4 TURN FASTENERS OR SLIDE LATCHES - DEAD FRONT PANEL BOLTS SHALL NOT EXTEND INTO VERTICAL LIMITS OF THE BREAKER ARRAY(S)
 - (9) ARC FLASH AND SHOCK HAZARD LABEL (FIELD INSTALLED) - SEE DETAIL
 - (10) CABINET BUSWORK RATING LABEL
 - (11) METAL WIRING DIAGRAM HOLDER



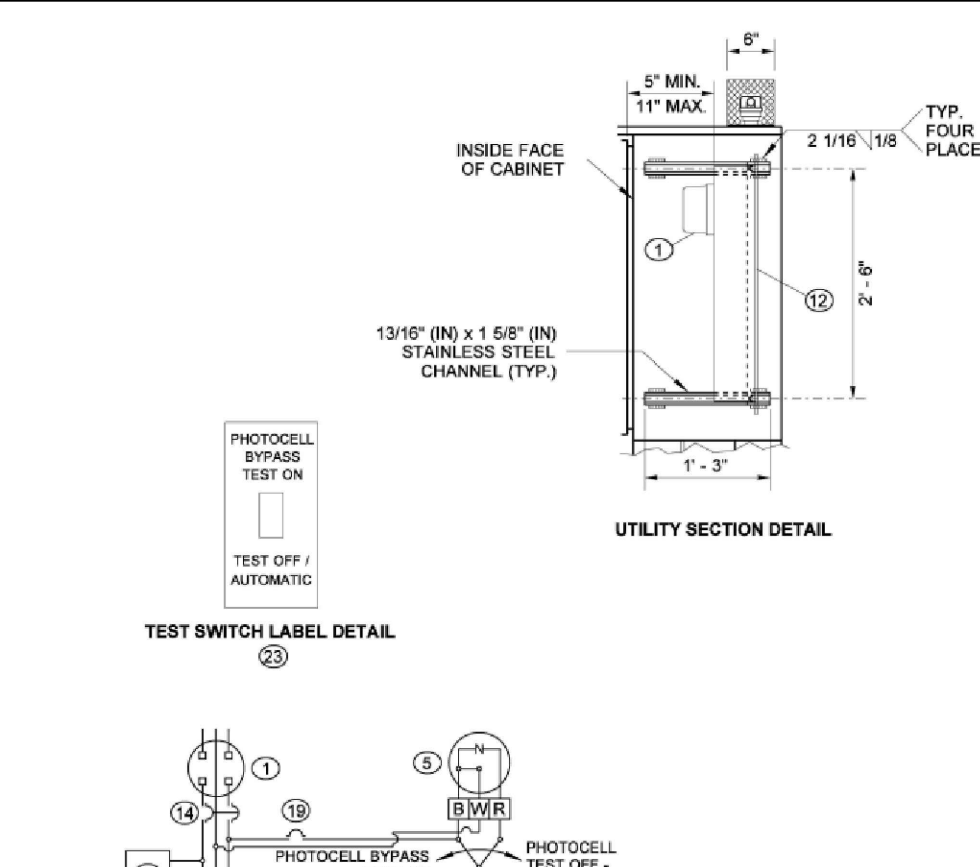
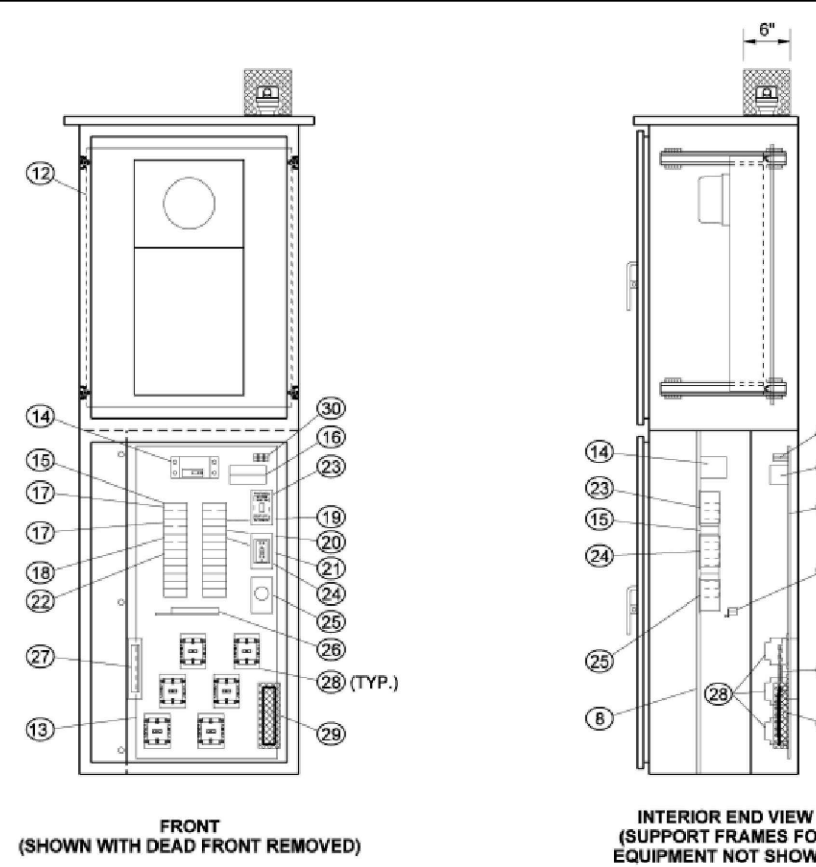
- NOTES
- See **Standard Specification Section 9-29.24** (Service Cabinets).
 - Cabinet shall be rated NEMA 3R and shall include two rain-tight vents.
 - Dimensions shown are minimum and shall be adjusted to accommodate the various sizes of equipment installed. A 1% tolerance is allowed for all dimensions.
 - Doors shall be pad-locked and gasketed. Customer side door shall include a Best CX 8-pin Construction core lock. Each door shall use either a continuous piano hinge, three two-piece hinges, or two heavy-duty lift-off type hinges.
 - Hinges with pins shall have stainless steel or brass pins - see **Standard Plan J-10.20** door hinge details. When using two piece hinge type on galvanized enclosure, remove hinge pin prior to welding hinge to cabinet and prior to hot-dip galvanizing. After galvanizing, replace pin with brass pin and solder in place.
 - Equipment identified by Key Numbers **14, 15, 17, 18, 19, 20, 21, 22, 23**, and **28** shall have an appropriately engraved phenolic name plate attached with screws or rivets. The name plate for Key Number 21 (Test Switch only) shall read as follows:
"PHOTOCELL BYPASS TEST ON" AND "PHOTOCELL TEST OFF - AUTOMATIC."
See service cabinet detail.
 - All buswork shall be **ASTM B187** copper and shall have a minimum rating of 250 amps. All breakers shall bolt on to the buswork. Jumping of breakers shall not be allowed. Buswork shall accommodate all future equipment as shown in the Breaker Schedule.
 - All nuts, bolts, and washers used for mounting the photocell enclosure shall be stainless steel.
 - The photocell unit shall be centered in the photocell enclosure to permit 360 degree rotation of the photocell without removal of the photocell unit or the photocell enclosure.
 - All internal wire runs shall be identified with "TO - FROM" coded tags labeled with the code letters and/or numbers shown on the Schedules. Approved PVC or polyolefin wire marking sleeves shall be used.
 - Key items **23, 24**, and **25** shall be connected to the cabinet main bonding jumper assembly by appropriately sized wire.
 - See Contract for Breaker and Contactor Schedule.
 - Bus bars shall be sized to accommodate up to #4 AWG wires.
 - The meter base portion of this service was designed to meet metering portion of **EUSERC Drawing 309** requirements.
 - Metering arrangements vary with different serving Utilities. The Utility may require meter base mounting in the enclosure, on the side, or on the back of the enclosure. The Utility may require the dimension between the door and the front of the safety socket box to be less than the 11" (in) shown in the Left Side - Safety Socket Box Mounting Detail. The Contractor shall verify the serving Utility's requirements prior to fabrication and installation of the service equipment.
 - Verify the meter setback position with the utility and adjust the meter socket backplate to the required position. For cabinets with separate metering, remove the meter socket or install shunts in the meter socket.



SERVICE CABINET TYPE D (0 - 200 AMP TYPE 120/240 VOLT SINGLE PHASE) STANDARD PLAN J-10.21-02

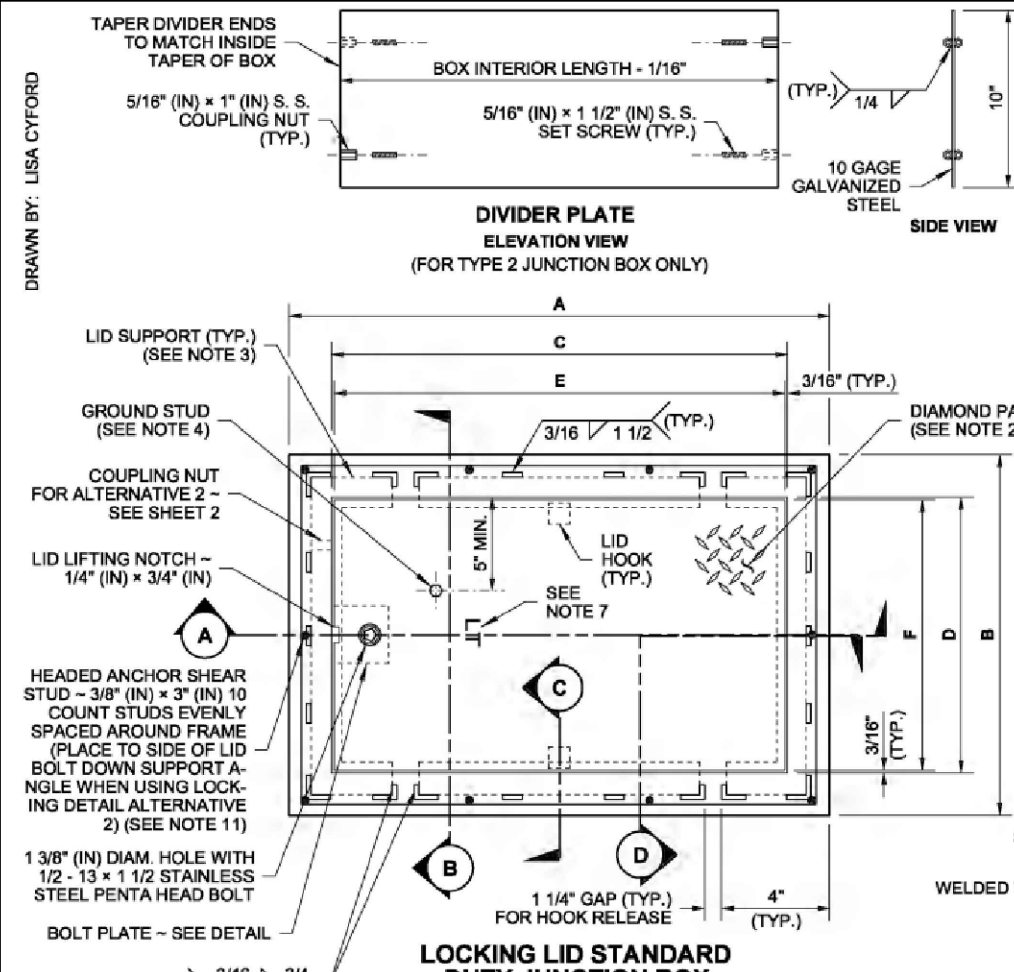
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- KEY (CONTINUED)
- (12) ALUMINUM BACKPLATE FOR METER SOCKET/BASE
 - (13) 1/2" (in.) WIDE BY 4" (in.) TALL ALUMINUM BACKPLATE FOR CUSTOMER SECTION EQUIPMENT
 - (14) MAIN BREAKER - DPST - SIZE PER BREAKER SCHEDULE
 - (15) 24-CIRCUIT PANEL BOARD - MINIMUM SIZE WITH SEPARATE MAIN BREAKER
 - (16) 20 KA TYPE 1 OR TYPE 2 SURGE PROTECTION DEVICE - DIN RAIL MOUNT WITH PLUG-IN MODULES
 - (17) DPST BRANCH BREAKER - SEE BREAKER SCHEDULE
 - (18) SPARE BRANCH BREAKER - 20 AMP DPST - OMIT IF BREAKER ARRAY IS FULL (SEE BREAKER SCHEDULE)
 - (19) PHOTOCELL BREAKER - SPST 15 AMP
 - (20) RECEPTACLE BREAKER - SPST 20 AMP
 - (21) HEATER BREAKER - SPST 15 AMP
 - (22) SPST BRANCH BREAKER - SEE BREAKER SCHEDULE
 - (23) SINGLE GANG BOX WITH TEST SWITCH - 120/277 VOLT 15 AMP SPST SNAP ACTION - POSITIVE CLOSE - 1" RATED
 - (24) SINGLE GANG BOX WITH RECEPTACLE (GROUNDED) - 125 VOLT 20 AMP GFCI
 - (25) SINGLE GANG BOX WITH THERMOSTAT CONTROL - 40° F. CLOSURE - 3 DIFFERENTIAL
 - (26) ISOLATED NEUTRAL BUSS - 14 LUG COPPER (SEE NOTE 12)
 - (27) CABINET MAIN BONDING JUMPER ASSEMBLY - BUSS SHALL BE 14 LUG TINNED COPPER (SEE NOTE 12) - SEE CABINET MAIN BONDING JUMPER ASSEMBLY DETAIL
 - (28) CONTACTOR (BEHIND DEAD FRONT) - SEE BREAKER SCHEDULE
 - (29) STRIP HEATER (100 WATT NOMINAL) WITH EXPANDED STEEL MESH ENCLOSURE FOR TOUCH PROTECTION
 - (30) THREE POSITION DIN RAIL MOUNTED TERMINAL BLOCK - TERMINAL BLOCK SECTIONS SHALL BE BLACK, WHITE, AND RED AS SHOWN IN CABINET WIRING DIAGRAM

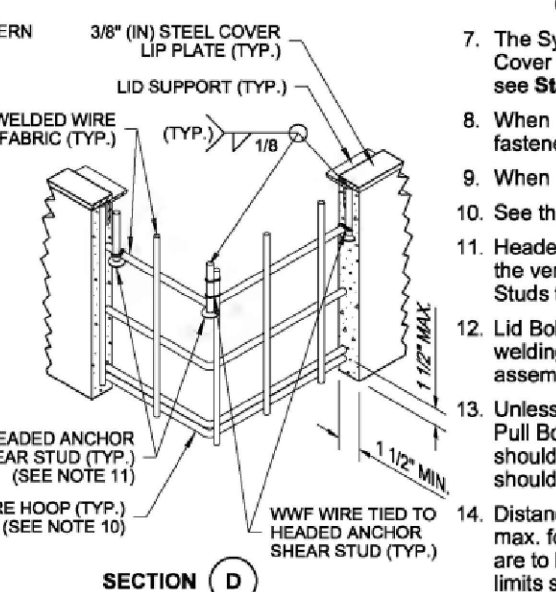


SERVICE CABINET TYPE D (0 - 200 AMP TYPE 120/240 VOLT SINGLE PHASE) STANDARD PLAN J-10.21-02

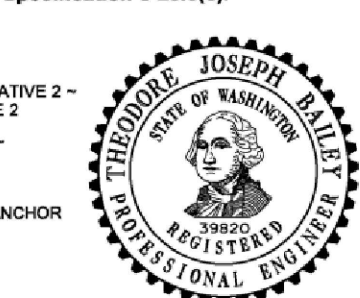
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JUNCTION BOX DIMENSION TABLE		
MARK	ITEM	BOX TYPE
		TYPE 1
A	OUTSIDE LENGTH OF JUNCTION BOX	22" - 33"
B	OUTSIDE WIDTH OF JUNCTION BOX	17" - 22 1/2"
C	INSIDE LENGTH OF JUNCTION BOX	18" - 19" 28" - 29"
D	INSIDE WIDTH OF JUNCTION BOX	13" - 14" 17" - 18"
E	LID LENGTH	17 5/8" - 28 5/8"
F	LID WIDTH	12 5/8" - 18 1/8"
	CAPACITY - CONDUIT DIAMETER	6" - 12"



- NOTES
- All box dimensions are approximate. Exact configurations vary among manufacturers.
 - Minimum lid thickness shown. Junction Boxes installed in sidewalks, walkways, and shared-use paths shall have a slip-resistant coating on the lid and lip cover plate, and shall be installed with the surface flush with and matched to the grade of the sidewalk, walkway, or shared-use path. The non-slip lid shall be identified with permanent markings on the underside, indicating the type of surface treatment (see Contract Documents for details) and the year of manufacture. The permanent marking shall be 1/8" (in) line thickness formed with a mild steel weld bead and shall be placed prior to hot-dip galvanizing.
 - Lid support members shall be 3/16" (in) minimum thick steel C, L, or T shape, welded to the frame.
 - A 1/4-20 NC x 3/4" (in) stainless steel ground stud shall be welded to the bottom of the lid; include (2) stainless steel nuts and (2) stainless steel flat washers.
 - Bolts and nuts shall be liberally coated with anti-seize compound.
 - Equipment Bonding Jumper shall be # 8 AWG min. x 4' (ft) of tinned braided copper.
 - The System Identification letters shall be 1/8" (in) line thickness formed with a mild steel weld bead. See Cover Marking detail. Grind off diamond pattern before forming letters. For System Identification details, see **Standard Specification 9-29.24**.
 - When required in the Contract, provide a 10" (in) x 27 1/2" (in), 10 gage divider plate, complete, with fasteners, in each Type 2 Junction Box where specified.
 - When required in Contract, provide a 12" (in) deep extension for each Type 2 Junction Box where specified.
 - See the **Standard Specifications** for alternative reinforcement and class of concrete.
 - Headed Anchor Shear Studs must be welded to the Steel Cover Lip Plate and wire tied in two places to the vertical Welded Wire Fabric when in contact with each other. Wire tie all other Headed Anchor Shear Studs to the horizontal Welded Wire Fabric.
 - Lid Bolt Down Attachment Tab provides a method of retrofitting by using a mechanical process in lieu of welding. Attachment Tab shown depicts a typical component arrangement; actual configurations of assembly will vary among manufacturers. See approved manufacturers' shop drawings for specifics.
 - Unless otherwise noted in the plans or approved by the Engineer, Junction Boxes, Cable Vaults, and Pull Boxes shall not be placed within the sidewalks, walkways, shared use paths, traveled ways or paved shoulders. All Junction Boxes, Cable Vaults, and Pull Boxes placed within the traveled way or paved shoulders shall be Heavy-Duty.
 - Distance between the top of the conduit and the bottom of the Junction Box lid shall be 6" (in) min. to 8" (in) max. for final grade of new construction only. See **Standard Specification 8-20.3(6)**. Where adjustments are to be made to existing Junction Boxes, or for interim construction stages during the contract, the limits shall be from 6" (in) min. to 10" (in) max. See **Standard Specification 8-20.3(6)**.



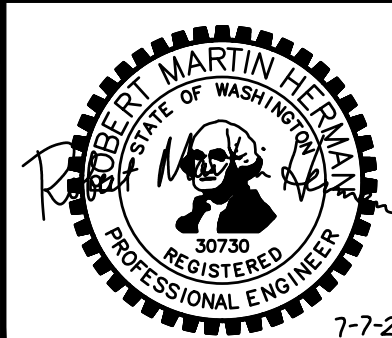
LOCKING LID STANDARD DUTY JUNCTION BOX TYPES 1 & 2 STANDARD PLAN J-40.10-04

SHEET 1 OF 2 SHEETS
APPROVED FOR PUBLICATION
Date: 2020.08.16 10:07:52
07/07
STATE DESIGN ENGINEER
Washington State Department of Transportation

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PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

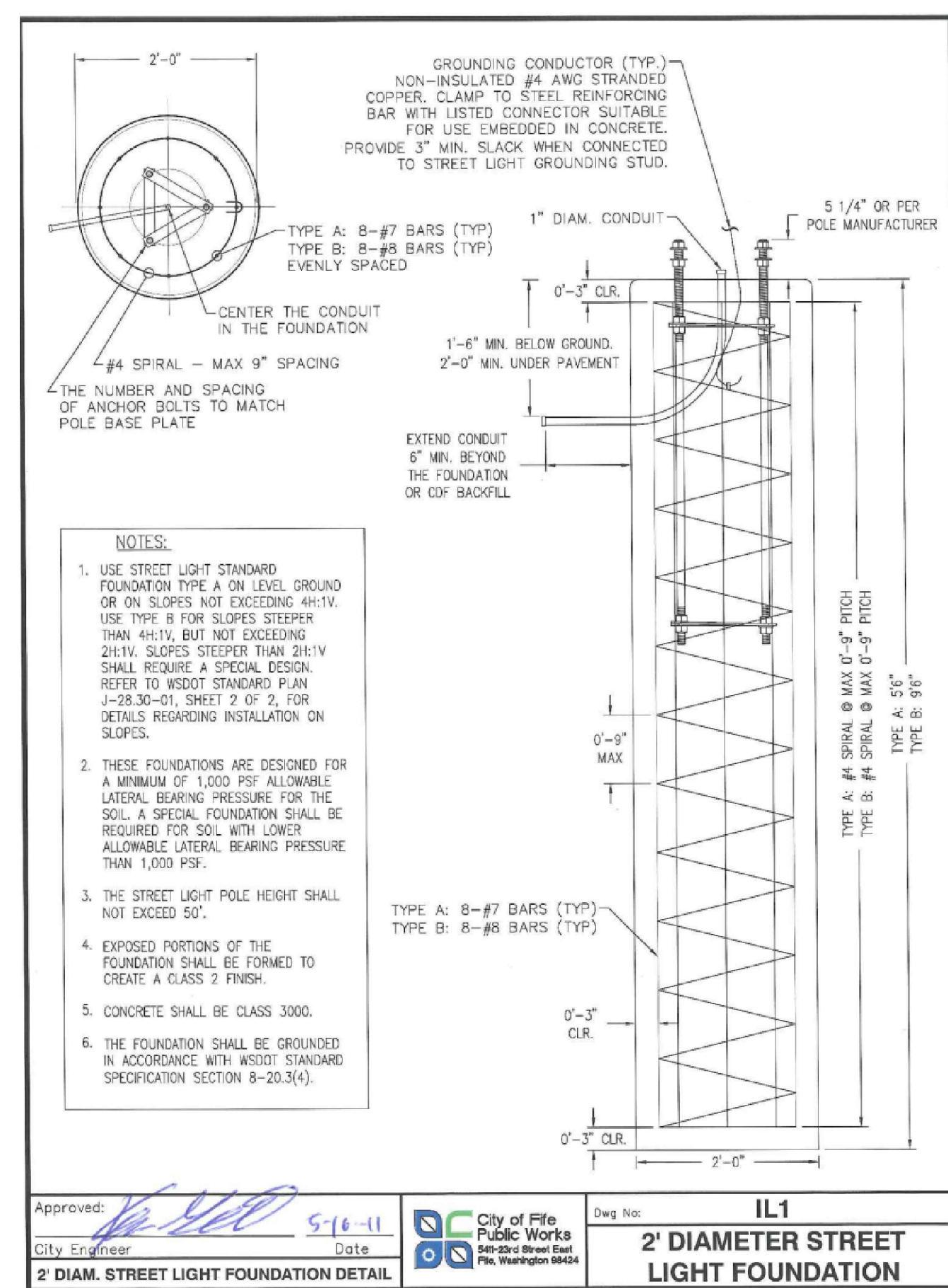
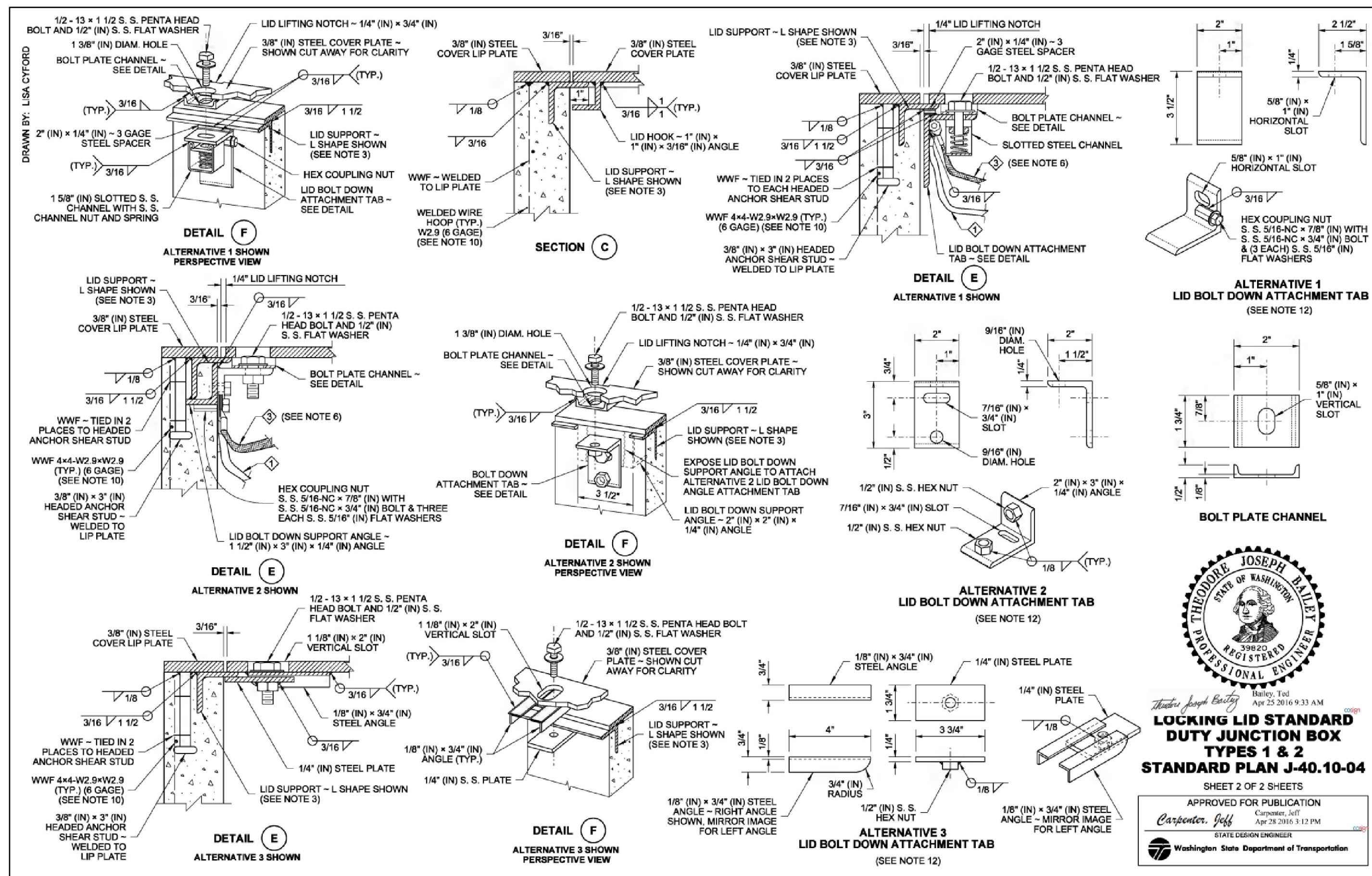
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FOR:
CRP/VDC FREEMAN LOGISTICS
OWNER, LLC
11411 NE 124th St., Suite 190
Kirkland, WA 98034



HTE HERMAN TRAFFIC ENGINEERING, INC.
11215 Southeast 220th Place, Kent, Washington 98031
253-236-4941 tel. bob@hte-inc.com

FREEMAN LOGISTICS
CITY OF PUYALLUP/CITY OF FIFE
CITY OF FIFE
ILLUMINATION DETAILS
SHEET
OF
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ENGINEERING MANAGER	DATE
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PROJECT ENGINEER	DATE

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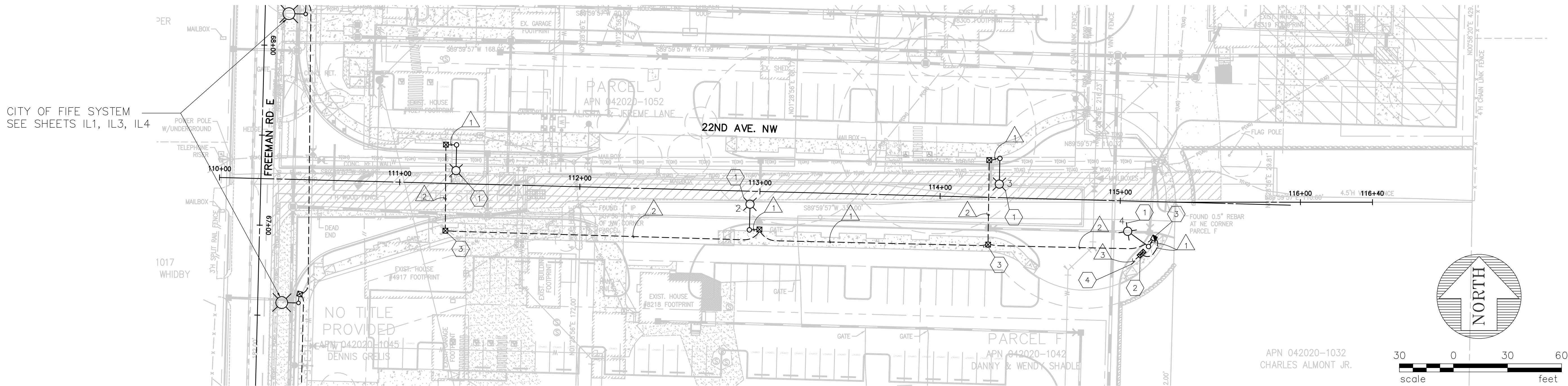
**CRP/VDC FREEMAN LOGISTICS
OWNER, LLC**

11411 NE 124th St., Suite 190
Kirkland, WA 98034



<p>FREEMAN LOGISTICS CITY OF PUYALLUP/CITY OF FIFE</p>	<p>IL 4</p>
<p>CITY OF FIFE ILLUMINATION DETAILS</p>	<p>SHEET OF SHEETS</p>

PORTION OF SECTIONS 17 & 20, TOWNSHIP 20 N, RANGE 4 EAST, W.M.,
PIERCE COUNTY, WASHINGTON



GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY OF PUYALLUP CONSTRUCTION STANDARDS, WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AND WSDOT STANDARD PLANS (ALL CURRENT VERSIONS).
- THE LOCATIONS OF UTILITIES AND FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- ALL OVERHEAD POWER LINES SHALL BE UNDERGROUNDED ALONG PROJECT FRONTAGE. NO LIGHT STANDARDS SHALL BE ERECTED PRIOR TO UNDERGROUNDING.
- ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- CONDUIT AND JUNCTION BOX LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD WITH DIRECTION FROM THE CITY.
- CONTRACTOR SHALL COORDINATE WITH THE CITY SIGNAL/ILLUMINATION TECHNICIAN AT 253.405.4390 PRIOR TO CONSTRUCTION.

CONSTRUCTION NOTES

- INSTALL CONCRETE FOUNDATION, TYPE 1 JUNCTION BOX, STEEL LUMINAIRE STANDARD WITH 12' ARM AND 65 WATT LEOTEK FIXTURE (GCM1-60J-40K-2R-GY-105-PCR7) PER LUMINAIRE SCHEDULE AND CITY OF PUYALLUP STANDARD DETAILS 01.05.01, 02, 03, 04, 06 AND 07. INSTALL SHORTING CAP.
- CONSTRUCT FOUNDATION AND INSTALL NEW STREET LIGHT SERVICE CABINET PER CITY OF PUYALLUP STANDARD DETAIL 01.05.05. INSTALL PHOTOCELL ON SERVICE CABINET.
- INSTALL NEW TYPE 1 OR TYPE 2 JUNCTION BOX PER CITY OF PUYALLUP STANDARD DETAIL 01.06.01.
- COORDINATE WITH ELECTRIC UTILITY FOR POINT OF SERVICE. ROUTE SERVICE ENTRANCE CONDUIT AND CONDUCTORS TO POINT OF SERVICE PER UTILITY REQUIREMENTS. COORDINATE WITH UTILITY FOR SERVICE CONNECTION.

LUMINAIRE SCHEDULE

LUM. NO.	CIRCUIT NO.	LOCATION	OFFSET (FEET)	LAMP WATTAGE	DAVIT ARM (FEET)	MOUNTING HGT. (FT.)	POLE H1 HGT. (FT.)
1	A	22ND AVE NW 111+31.04	21.50 LT	65W LED	12	30	30
2	A	22ND AVE NW 112+94.69	21.50 RT	65W LED	12	30	30
3	A	22ND AVE NW 114+32.65	21.50 LT	65W LED	12	30	30
4	A	22ND AVE NW 115+16.34	25.00 RT	65W LED	12	30	30

NOTE: INSTALL SHORTING CAPS ON ALL LUMINAIRES

WIRING SCHEDULE

RUN NO.	CONDUIT	CONDUCTORS	REMARKS
1	2" SCH 40 PVC	2-#8, 1-#8 GROUND	
2	2" SCH 80 PVC	2-#8, 1-#8 GROUND	
3	2" SCH 80 PVC	3-#2 SERVICE	

ALL PVC CONDUITS CONTAINING CONDUCTORS SHALL HAVE 1-#8 BARE GROUND WIRE

LEGEND

- LED LUMINAIRE, ARM AND ALUMINUM DAVIT STYLE POLE
- PVC CONDUIT (SEE WIRING SCHEDULE)
- TYPE 1 LOCKING JUNCTION BOX
- TYPE 2 LOCKING JUNCTION BOX
- WIRING NOTE
- CONSTRUCTION NOTE

CAUTION:
LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AS REQUIRED AND FIELD VERIFY LOCATION OF UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION.

UNDERGROUND UTILITY NOTE:
YOU MUST CALL 811 NOT LESS THAN 72 HOURS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS (UP TO THREE TIMES THE COST OF REPAIRS TO THE SERVICE).

APPROVED
BY _____
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE _____
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

FOR:
**CRP/VDC FREEMAN LOGISTICS
OWNER, LLC**
11411 NE 124th St., Suite 190
Kirkland, WA 98034



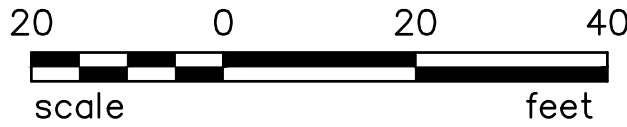
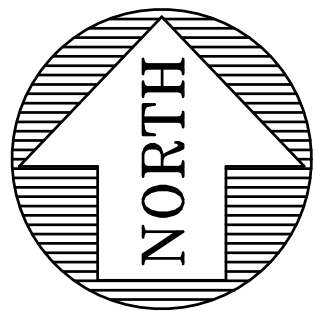
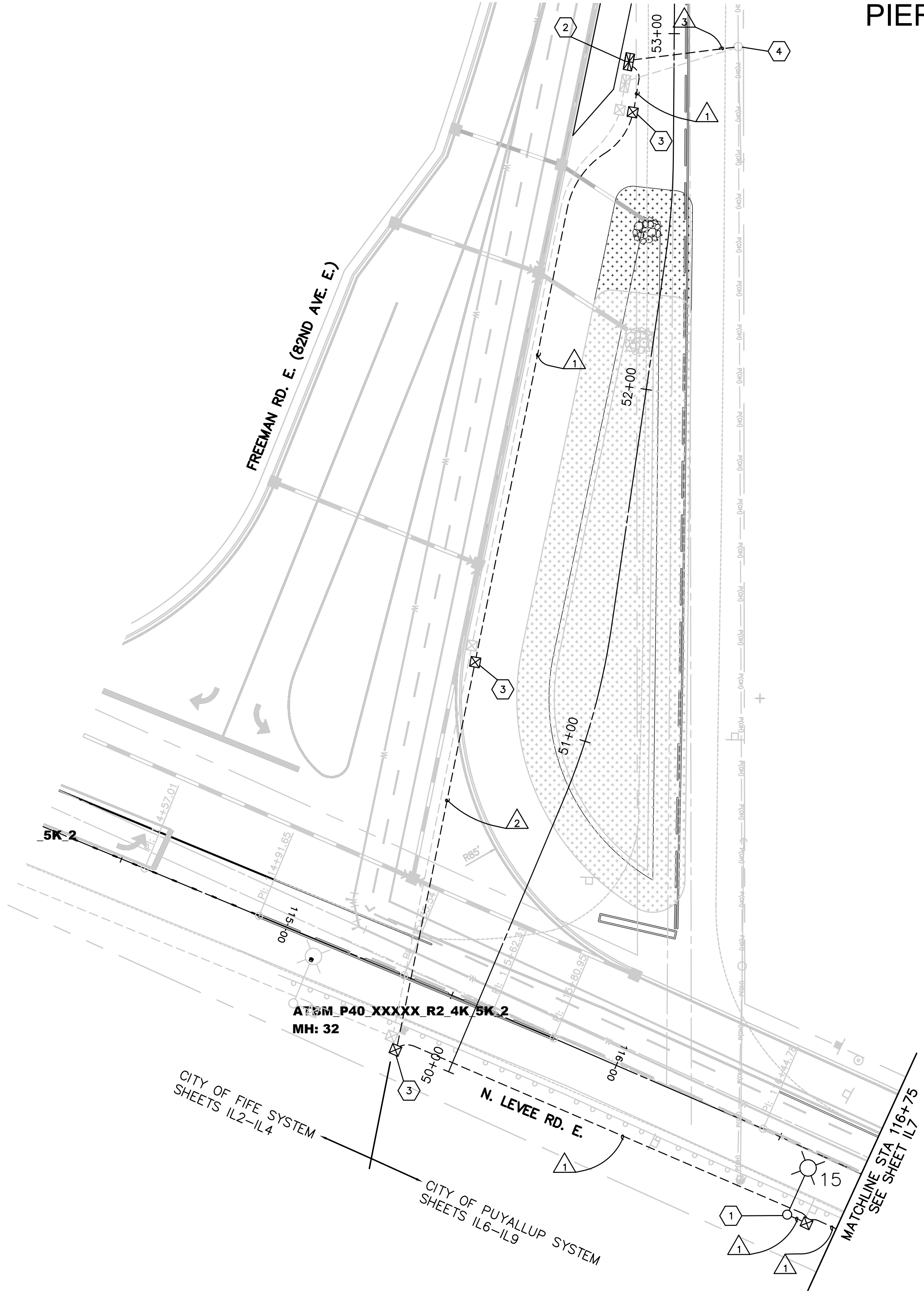
HTE HERMAN TRAFFIC ENGINEERING, INC.
11215 Southeast 220th Place, Kent, Washington 98031
253-236-4941 tel. bob@hte-inc.com

FREEMAN LOGISTICS
CITY OF PUYALLUP/CITY OF FIFE
ILLUMINATION PLAN (CITY OF PUYALLUP)
22ND AVE. NW

IL5
SHEET
OF
SHEETS

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PORTION OF SECTIONS 17 & 20, TOWNSHIP 20 N, RANGE 4 EAST, W.M.,
PIERCE COUNTY, WASHINGTON



LEGEND

- NEW
- LUMINAIRE
 - CONDUIT (SEE WIRING SCHEDULE)
 - TYPE 1 JUNCTION BOX
 - ELECTRICAL SERVICE CABINET
 - WIRE NOTE
 - CONSTRUCTION NOTE

GENERAL NOTES

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LUMINAIRE SCHEDULE

LUM. NO.	CIRCUIT NO.	LOCATION	OFFSET (FEET)	LAMP WATTAGE	DAVIT ARM (FEET)	MOUNTING HGT. (FT.)	POLE H1 HGT. (FT.)
15	A	LEVEE RD 116+60.90	19.00 RT	65W LED	12	27	30
16	A	LEVEE RD 118+10.95	19.00 RT	65W LED	12	27	30
17	A	LEVEE RD 119+61.05	19.00 RT	65W LED	12	27	30
18	A	LEVEE RD 121+11.12	19.00 RT	65W LED	12	27	30

NOTE: INSTALL SHORTING CAPS ON ALL LUMINAIRES

WIRING SCHEDULE

RUN NO.	CONDUIT	CONDUCTORS	REMARKS
1	2" SCH 40 PVC	2-#8, 1-#8 GROUND	
2	2" SCH 80 PVC	2-#8, 1-#8 GROUND	
3	2" SCH 80 PVC	3-#2 SERVICE	

ALL PVC CONDUITS CONTAINING CONDUCTORS SHALL HAVE 1-#8 BARE GROUND WIRE

CAUTION:
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UNDERGROUND UTILITY NOTE:
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APPROVED
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CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE _____
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FOR:
**CRP/VDC FREEMAN LOGISTICS
OWNER, LLC**
11411 NE 124th St., Suite 190
Kirkland, WA 98034

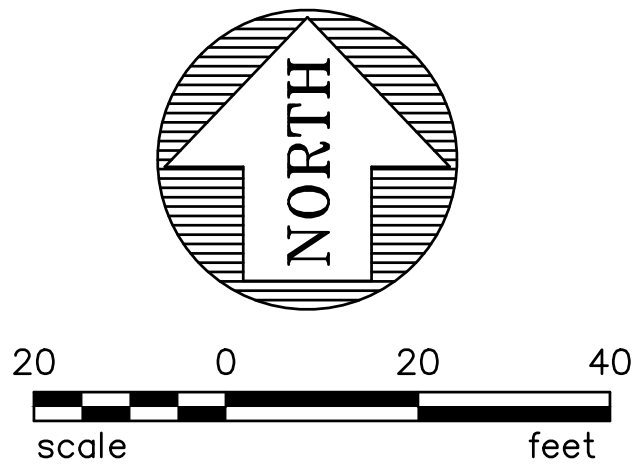
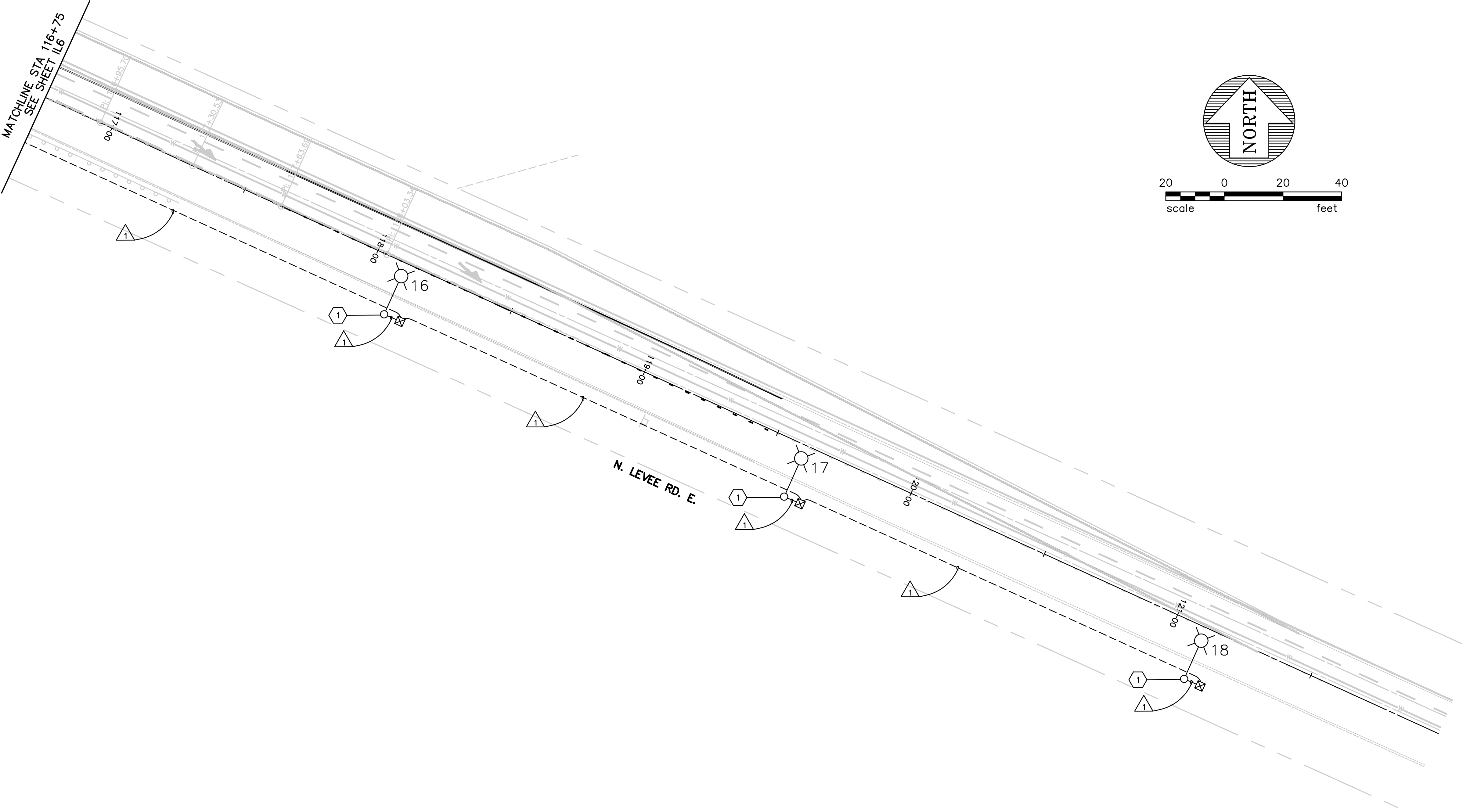


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253-236-4941 tel. bob@hte-inc.com

FREEMAN LOGISTICS
CITY OF PUYALLUP/CITY OF FIFE
ILLUMINATION PLAN (CITY OF PUYALLUP)
FREEMAN RD. E./N. LEVEE RD. E.

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OF
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PORTION OF SECTIONS 17 & 20, TOWNSHIP 20 N, RANGE 4 EAST, W.M.,
PIERCE COUNTY, WASHINGTON



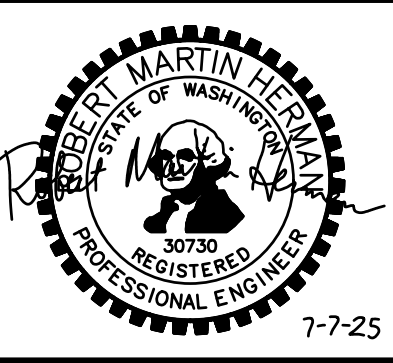
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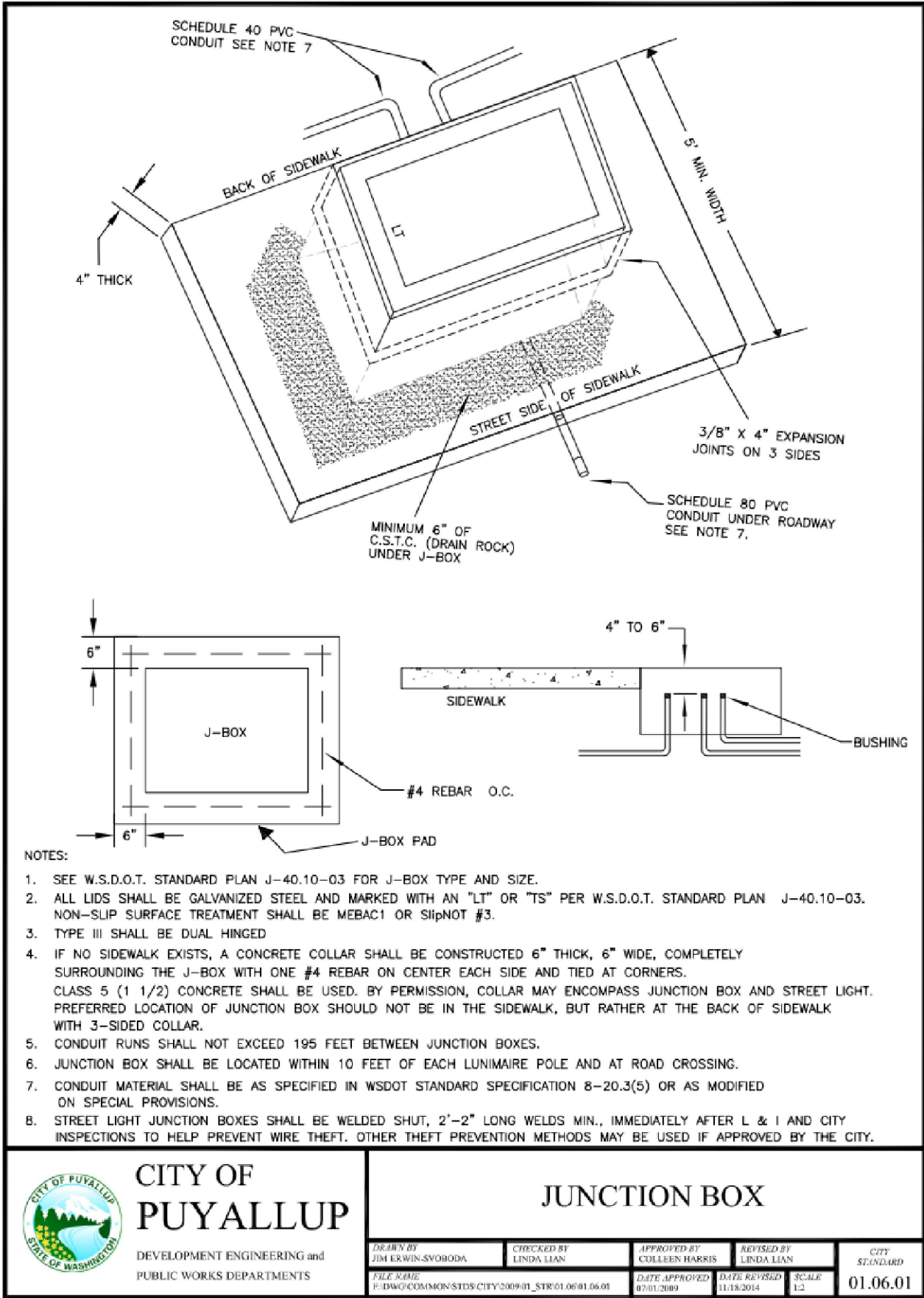
FOR:
**CRP/VDC FREEMAN LOGISTICS
OWNER, LLC**
11411 NE 124th St., Suite 190
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FREEMAN LOGISTICS
CITY OF PUYALLUP/CITY OF FIFE
ILLUMINATION PLAN (CITY OF PUYALLUP)
FREEMAN RD. E./N. LEVEE RD. E.

IL6
SHEET
OF
SHEETS



 CITY OF PUYALLUP <small>DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS</small>		JUNCTION BOX				
<small>DESIGNED BY</small> BOB FREEMAN/CRP/LOG	<small>CHECKED BY</small> LINDA LIND	<small>APPROVED BY</small> CITY ENGINEER	<small>DESIGNED BY</small> BOB FREEMAN	<small>CITY</small> CITY OF PUYALLUP		
<small>DATE</small> 07/07/2025	<small>DATE</small> 07/07/2025	<small>DATE</small> 07/07/2025	<small>DATE</small> 07/07/2025	<small>DATE</small> 07/07/2025	<small>DATE</small> 07/07/2025	<small>DATE</small> 07/07/2025

APPROVED

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CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE _____

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FREEMAN LOGISTICS
CITY OF PUYALLUP/CITY OF FIFE

CITY OF PUYALLUP
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