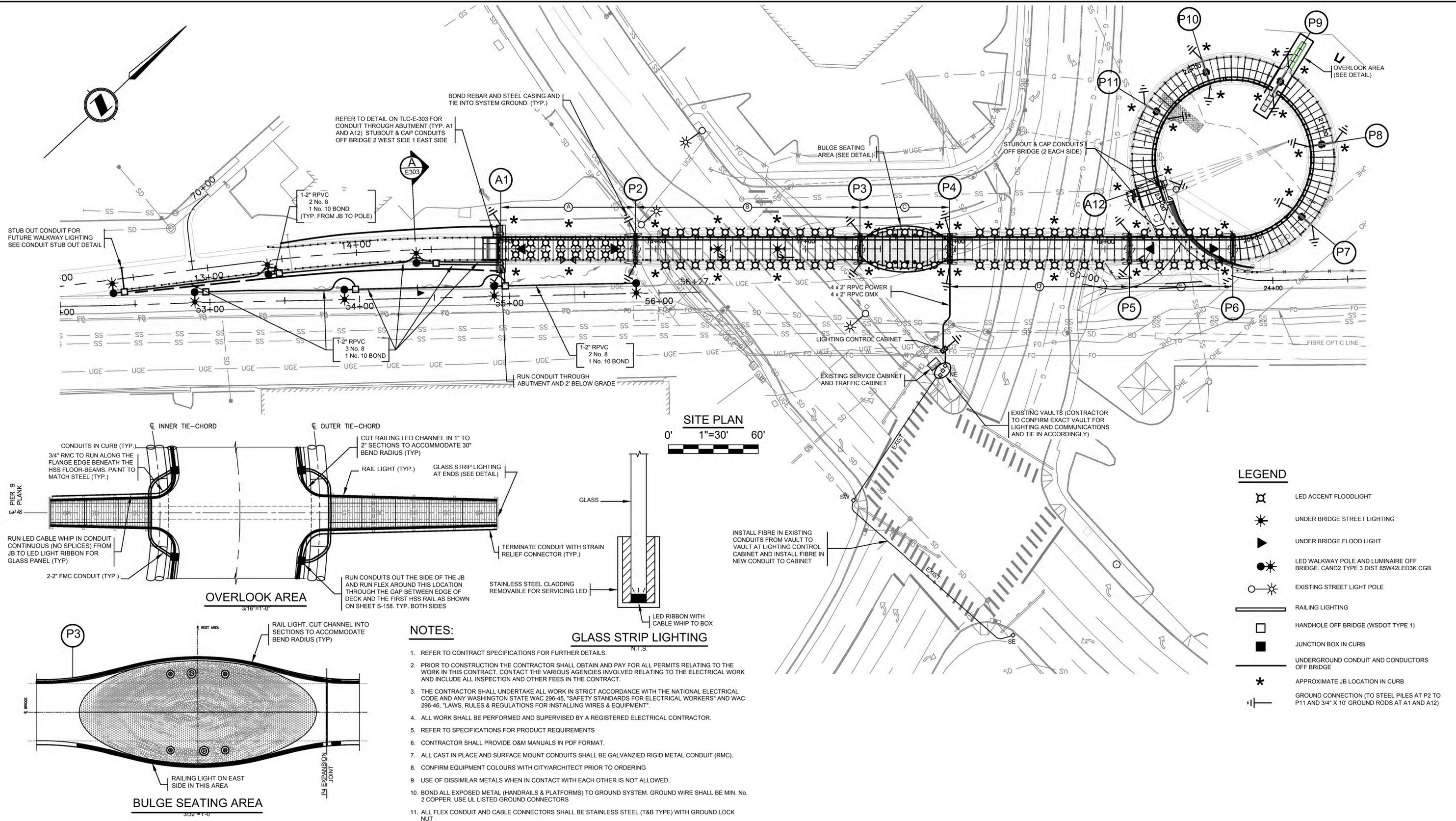


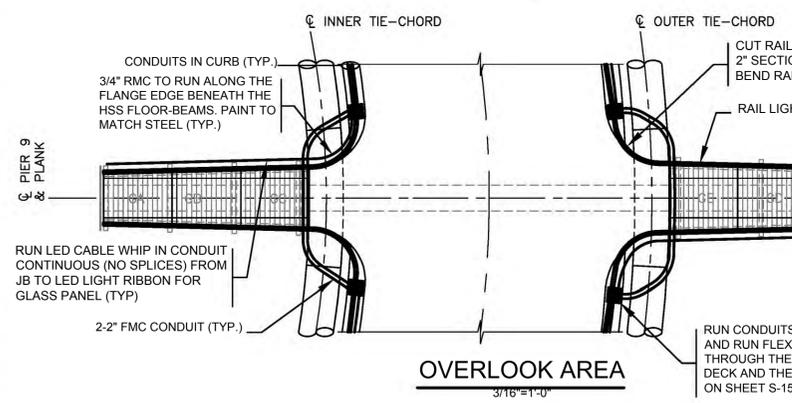
File: P:\Projects\Jobs 6000-6099\6042-18 (SI - Totem Lake Bridge, Kirkland, WA)\CAD Drawings\6042-18.dwg Save Date: Dec 03, 2019 9:14 AM Saved By: EKITSON



LEGEND

- LED ACCENT FLOODLIGHT
- UNDER BRIDGE STREET LIGHTING
- UNDER BRIDGE FLOOD LIGHT
- LED WALKWAY POLE AND LUMINAIRE OFF BRIDGE. CAND2 TYPE 3 DIST 65W42LED3K CGB
- EXISTING STREET LIGHT POLE
- RAILING LIGHTING
- HANDHOLE OFF BRIDGE (WSDOT TYPE 1)
- JUNCTION BOX IN CURB
- UNDERGROUND CONDUIT AND CONDUCTORS OFF BRIDGE
- APPROXIMATE JB LOCATION IN CURB
- GROUND CONNECTION (TO STEEL PILES AT P2 TO P11 AND 3/4" X 10' GROUND RODS AT A1 AND A12)

- NOTES:**
- REFER TO CONTRACT SPECIFICATIONS FOR FURTHER DETAILS.
 - PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS RELATING TO THE WORK IN THIS CONTRACT. CONTACT THE VARIOUS AGENCIES INVOLVED RELATING TO THE ELECTRICAL WORK AND INCLUDE ALL INSPECTION AND OTHER FEES IN THE CONTRACT.
 - THE CONTRACTOR SHALL UNDERTAKE ALL WORK IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY WASHINGTON STATE WAC 296-45, "SAFETY STANDARDS FOR ELECTRICAL WORKERS" AND WAC 296-46, "LAWS, RULES & REGULATIONS FOR INSTALLING WIRES & EQUIPMENT".
 - ALL WORK SHALL BE PERFORMED AND SUPERVISED BY A REGISTERED ELECTRICAL CONTRACTOR.
 - REFER TO SPECIFICATIONS FOR PRODUCT REQUIREMENTS
 - CONTRACTOR SHALL PROVIDE O&M MANUALS IN PDF FORMAT.
 - ALL CAST IN PLACE AND SURFACE MOUNT CONDUITS SHALL BE GALVANIZED RIGID METAL CONDUIT (RMC).
 - CONFIRM EQUIPMENT COLOURS WITH CITY/ARCHITECT PRIOR TO ORDERING
 - USE OF DISSIMILAR METALS WHEN IN CONTACT WITH EACH OTHER IS NOT ALLOWED.
 - BOND ALL EXPOSED METAL (HANDRAILS & PLATFORMS) TO GROUND SYSTEM. GROUND WIRE SHALL BE MIN. No. 2 COPPER. USE UL LISTED GROUND CONNECTORS
 - ALL FLEX CONDUIT AND CABLE CONNECTORS SHALL BE STAINLESS STEEL (T&B TYPE) WITH GROUND LOCK NUT



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION
0	2019/12/06	RF	MGDS	ISSUE FOR BID



COWI
DMD & Associates Ltd.
www.dmdeng.com
office@dmdeng.com
6042-18-1 OF 5

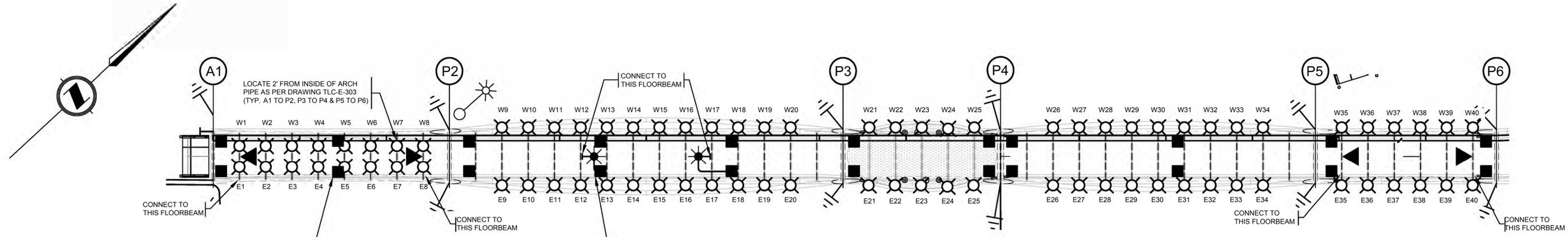
APPROVED BY: _____
DATE: _____

DON McLEAN DESIGNED BY:	2019/12/06 DATE
ROB FRASER DRAWN BY:	2019/12/06 DATE
DANIEL J. WONG CHECKED BY:	2019/12/06 DATE

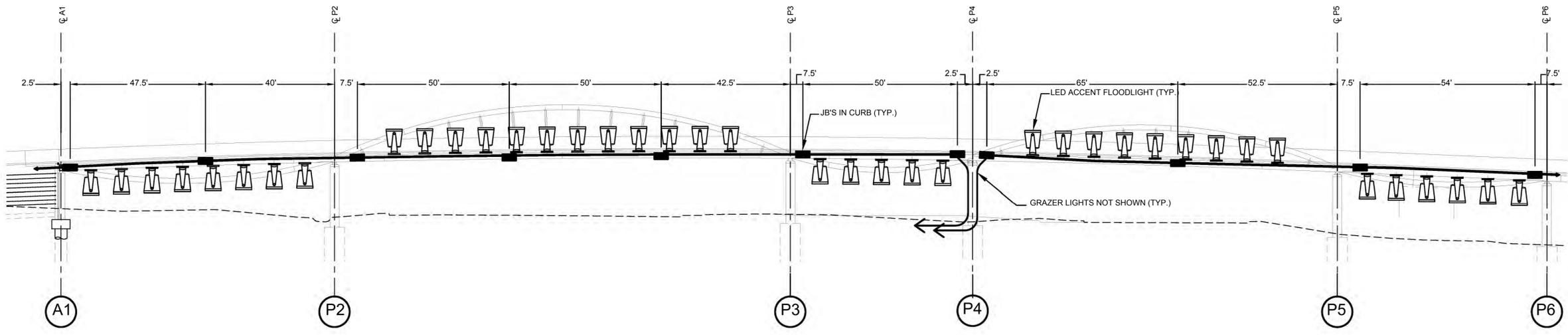
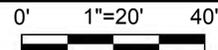
CITY OF KIRKLAND
TOTEM LAKE CONNECTION
LIGHTING SITE PLAN

SHEET:
TLC-E-300
SCALE:
AS NOTED
FILENAME:
6042-18.dwg

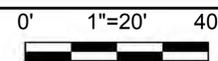
File: P:\Projects\Jobs 6000-6099\6042-18 (SI) - Totem Lake Bridge, Kirkland, WA\CAD Drawings\6042-18.dwg Save Date: Dec 03, 2019 9:14 AM Saved By: EKITSON



ACCENT LIGHTING PLAN ON BRIDGE



ACCENT LIGHTING ELEVATION ON BRIDGE



LIGHTING LOAD							
SEE NOTE 1	BREAKER A				BREAKER B		
	HAND RAIL LIGHTING	GLASS STRIP LIGHTING	WALKWAY LIGHTING (OFF BRIDGE)	UNDER BRIDGE STREET LIGHTING	UNDER BRIDGE FLOOD LIGHTING	ACCENT FLOOD LIGHTING	GRAZER LIGHTING
WATT	1.4 W / ft	8	65	50	23	33	60
QUANTITY	894'	2	7	2	4	80	10
TOTAL POWER (WATT)	1252	16	455	100	92	2640	600

NOTES:
 1. WEST SIDE
 302' FROM A1 TO P4
 339' FROM P4 TO TIP OF INSIDE OVERLOOK AT P9
 142' FROM TIP OF INSIDE OVERLOOK AT P9 TO A12
 EAST SIDE
 61' FROM P3 TO P4
 50' BOTH SIDES OF P9 OVERLOOK

NOTE: CONTRACTOR TO ENSURE ALL LOADS ARE BALANCED

REFER TO TLC-E-300 FOR NOTES AND LEGEND


CITY OF KIRKLAND
 DEPARTMENT OF PUBLIC WORKS
 123 FIFTH AVENUE KIRKLAND, WA 98033
 (425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION
0	2019/12/06	RF	MGDS	ISSUE FOR BID




COWI
 DMD & Associates Ltd.
 www.dmdeng.com
 office@dmdeng.com
 6042-18-2 OF 5

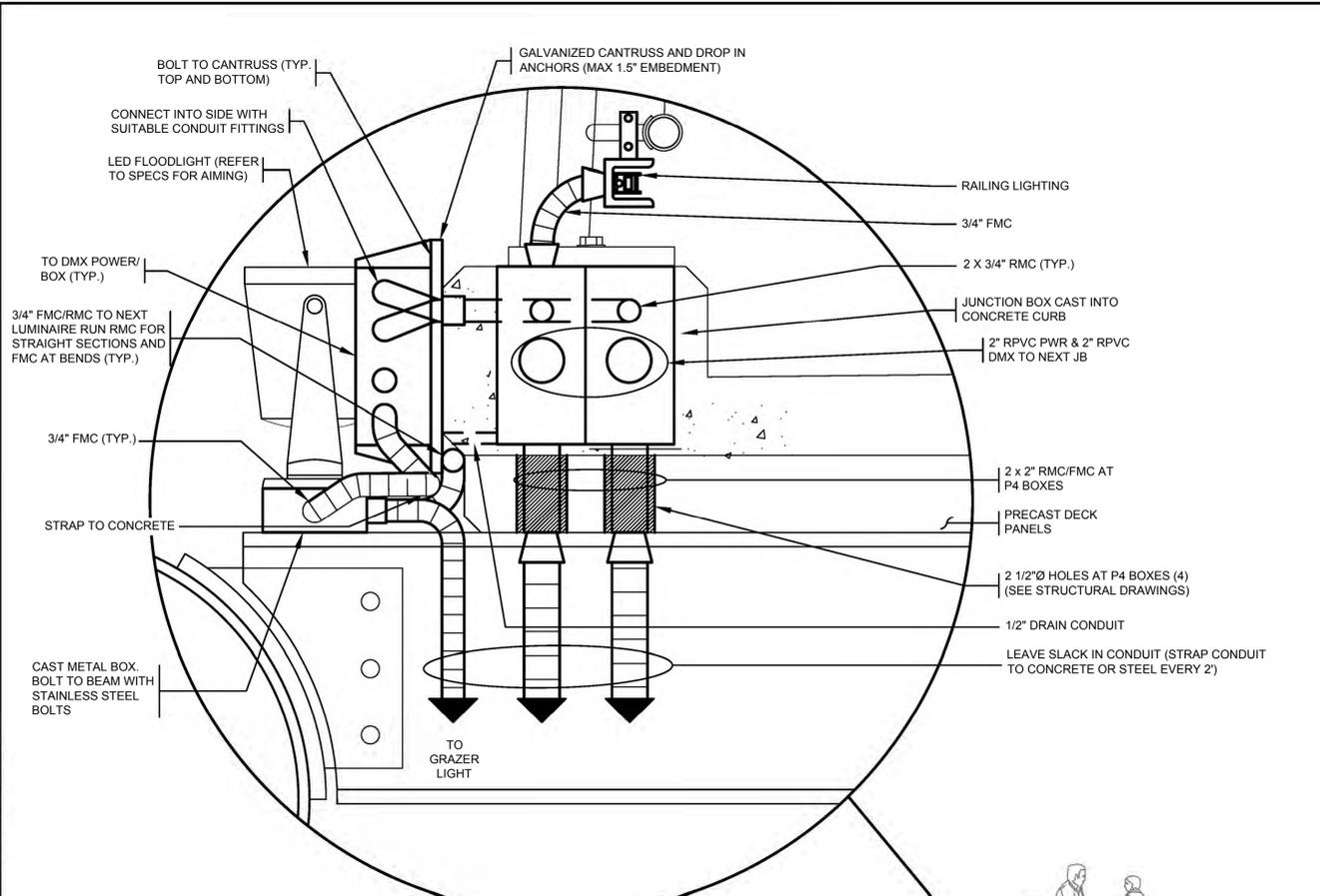
APPROVED BY: _____
 DATE: _____

DON McLEAN 2019/12/06
 DESIGNED BY: DATE
 ROB FRASER 2019/12/06
 DRAWN BY: DATE
 DANIEL J. WONG 2019/12/06
 CHECKED BY: DATE

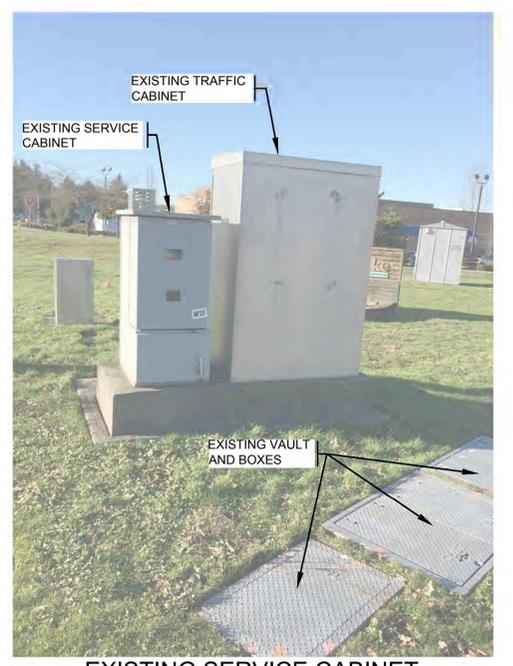
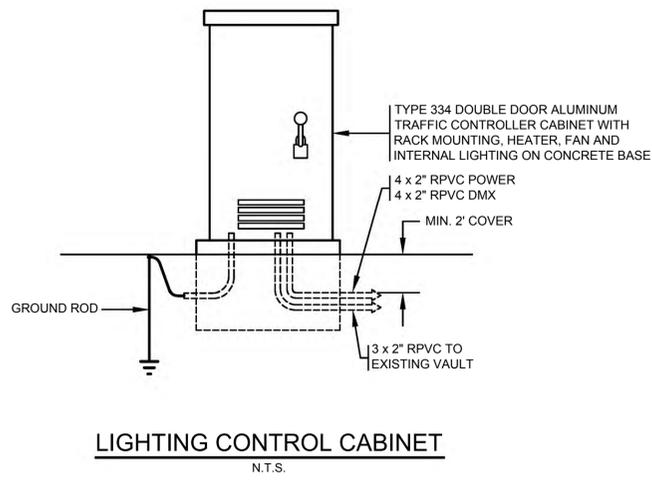
CITY OF KIRKLAND
 TOTEM LAKE CONNECTION
ACCENT LIGHTING DETAILS 1

SHEET:
TLC-E-301
 SCALE:
 1"=20'
 FILENAME:
 6042-18.dwg

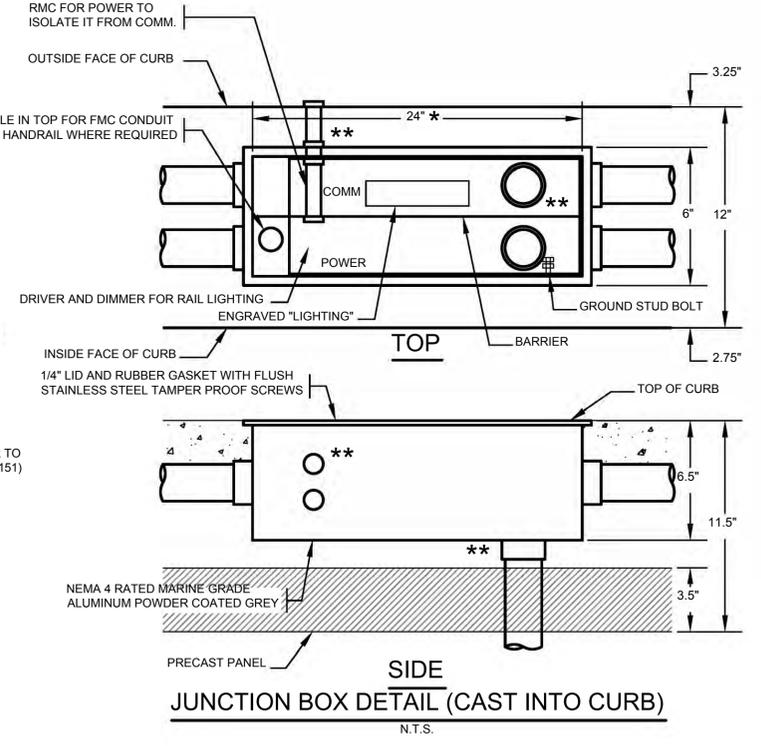
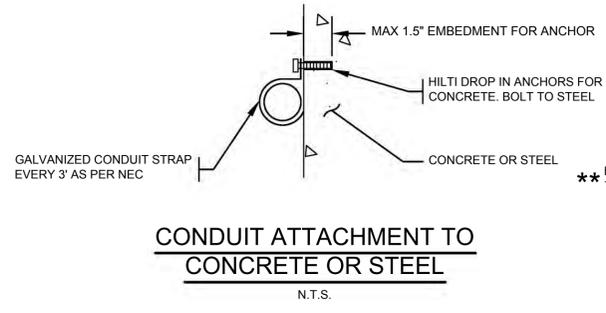
File: P:\Projects\Jobs 6000-6099\6042-18 (SI - Totem Lake Bridge, Kirkland, WA)\CAD Drawings\6042-18.dwg Save Date: Dec 03, 2019 9:14 AM Saved By: EKITSON



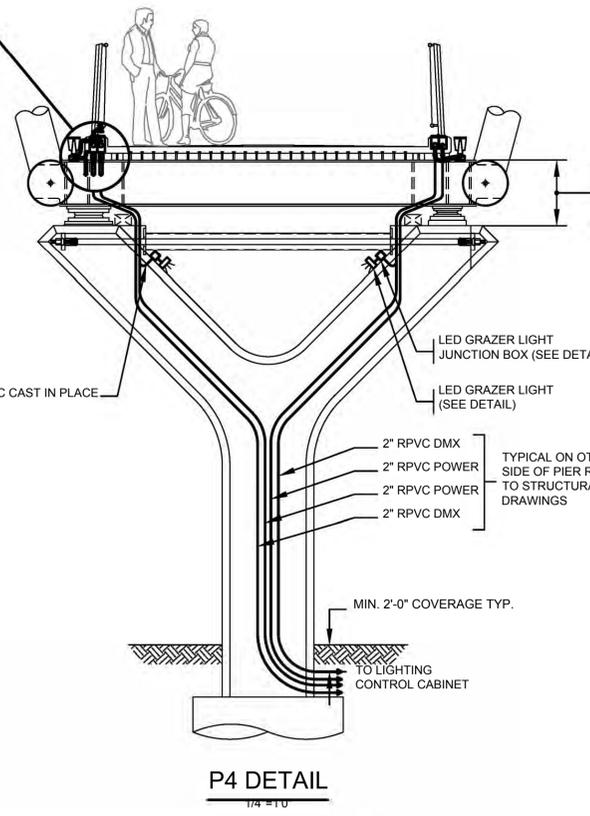
REFER TO TLC-E-300 FOR NOTES AND LEGEND



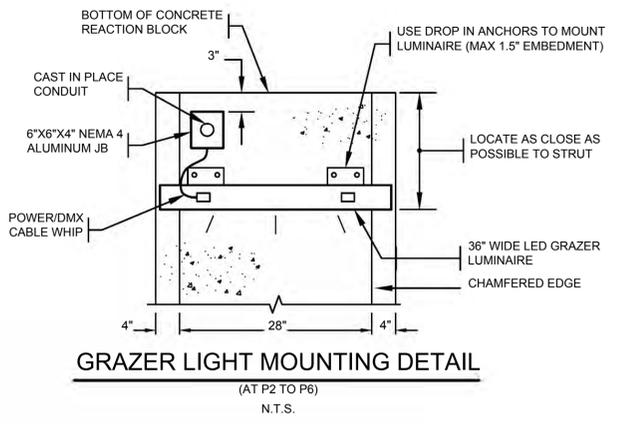
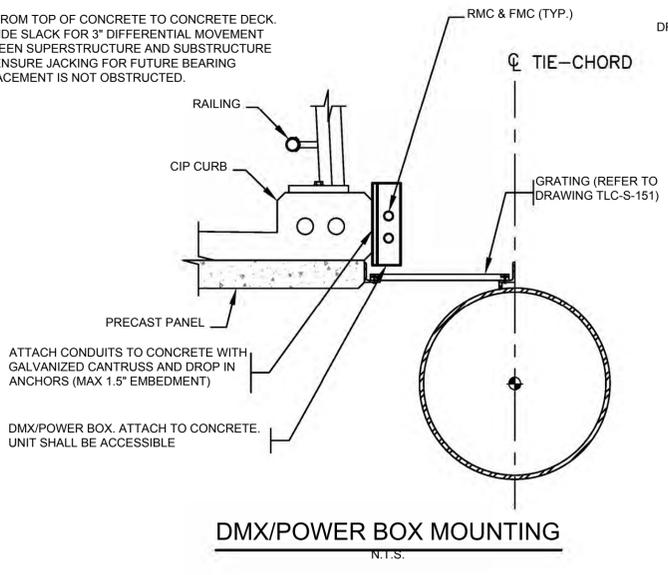
EXISTING SERVICE CABINET
NTS



* JUNCTION BOXES AT P9 ON INSIDE OF CURVE SHALL BE 18" TO ACCOMMODATE HANDRAIL POSTS
** CAP ALL CONDUITS AND HOLES NOT USED

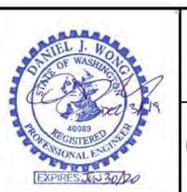


FMC FROM TOP OF CONCRETE TO CONCRETE DECK. PROVIDE SLACK FOR 3" DIFFERENTIAL MOVEMENT BETWEEN SUPERSTRUCTURE AND SUBSTRUCTURE AND ENSURE JACKING FOR FUTURE BEARING REPLACEMENT IS NOT OBSTRUCTED.



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION
0	2019/12/06	RF	MGDS	ISSUE FOR BID



COWI
DMD & Associates Ltd.
www.dmdeng.com
office@dmdeng.com
6042-18-3 OF 5

APPROVED BY: _____
DATE: _____

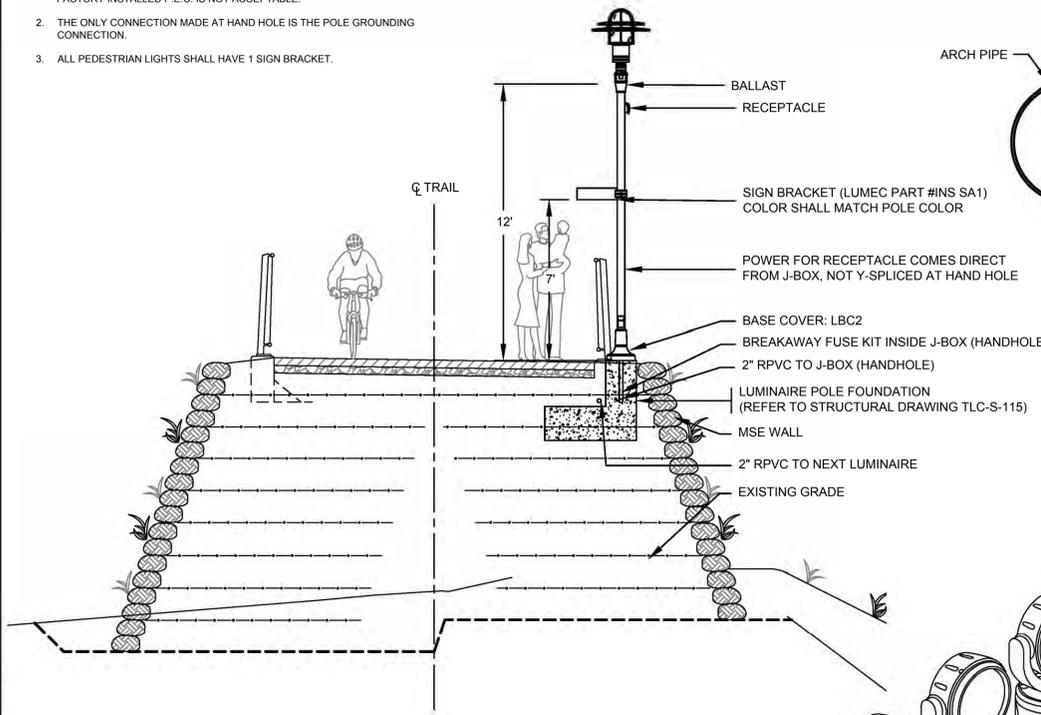
DON McLEAN 2019/12/06
DESIGNED BY: DATE
ROB FRASER 2019/12/06
DRAWN BY: DATE
DANIEL J. WONG 2019/12/06
CHECKED BY: DATE

CITY OF KIRKLAND
TOTEM LAKE CONNECTION
ACCENT LIGHTING DETAILS 2

SHEET: **TLC-E-302**
SCALE: AS NOTED
FILENAME: 6042-18.dwg

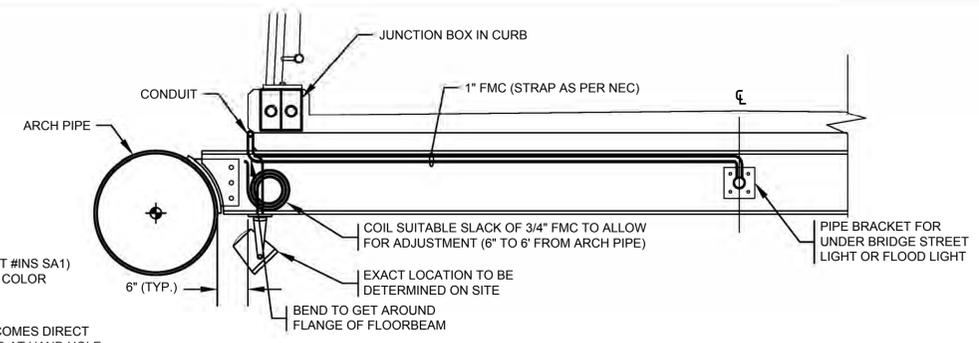
NOTES:

1. INSTALL PHOTO ELECTRIC CELL (P.E.C.) ON LIGHTING CABINET. SEE CITY OF KIRKLAND INSPECTOR FOR PART NUMBERS OR EQUIVALENT. FACTORY INSTALLED P.E.C. IS NOT ACCEPTABLE.
2. THE ONLY CONNECTION MADE AT HAND HOLE IS THE POLE GRROUNDING CONNECTION.
3. ALL PEDESTRIAN LIGHTS SHALL HAVE 1 SIGN BRACKET.

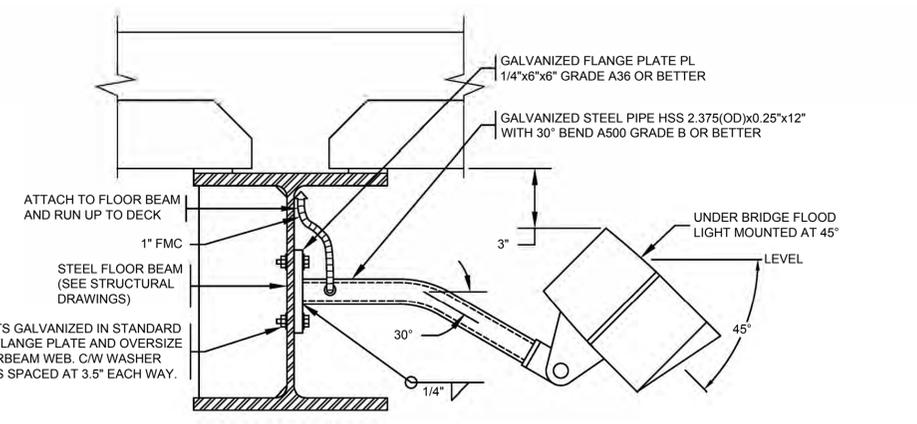


WALKWAY LIGHTING POLES - SECTION A
1/4"=10"

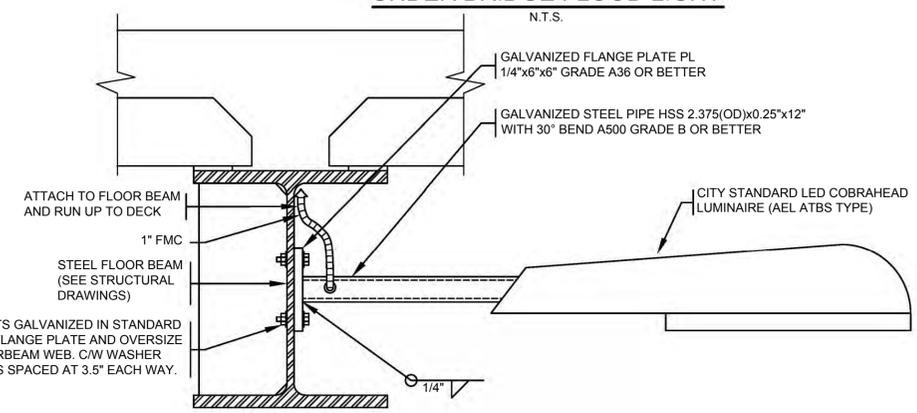
OTHER WALKWAY LIGHTING POLES SIMILAR



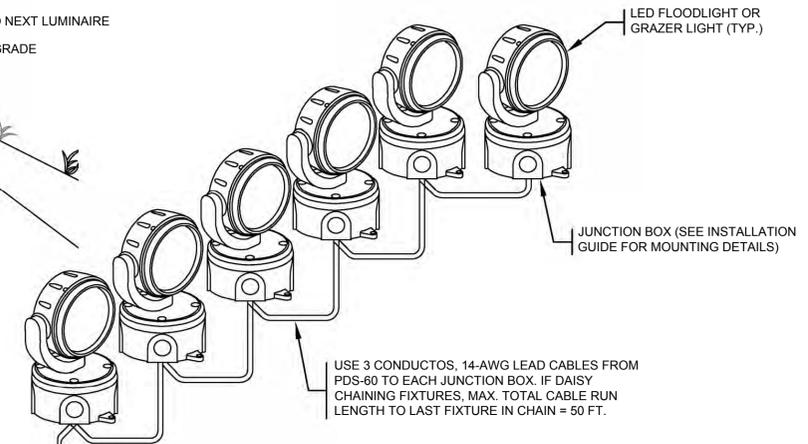
FLOOD LIGHT & STREET LIGHT CONDUIT FEED
N.T.S.



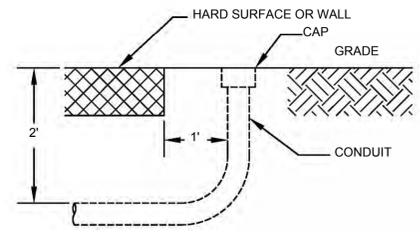
UNDER BRIDGE FLOOD LIGHT
N.T.S.



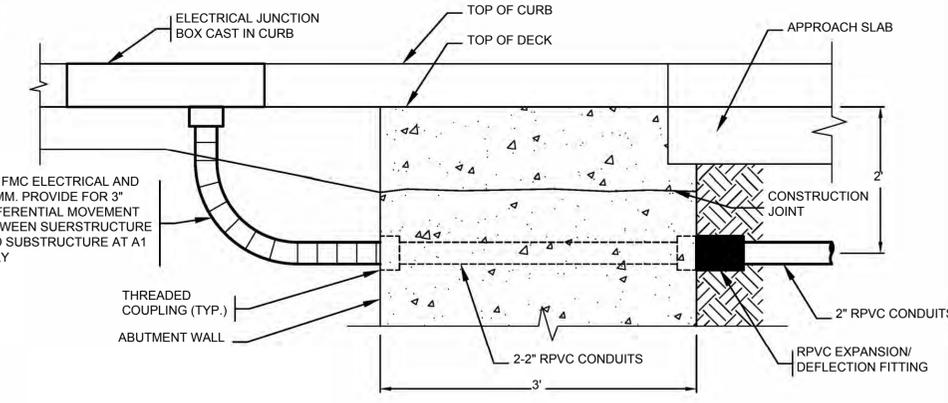
UNDER BRIDGE STREET LIGHT
N.T.S.



MAX. DISTANCE FROM BOX TO END OF CHAIN = 50' (MAX. 6 FIXTURES)

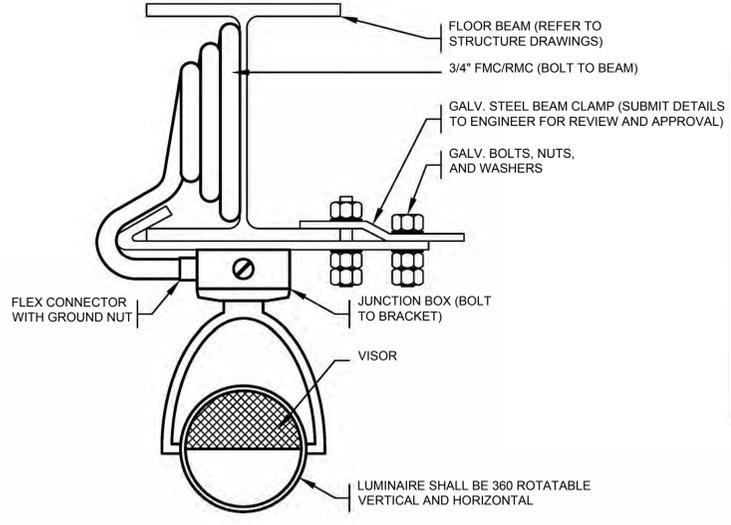


CONDUIT STUB OUT
N.T.S.

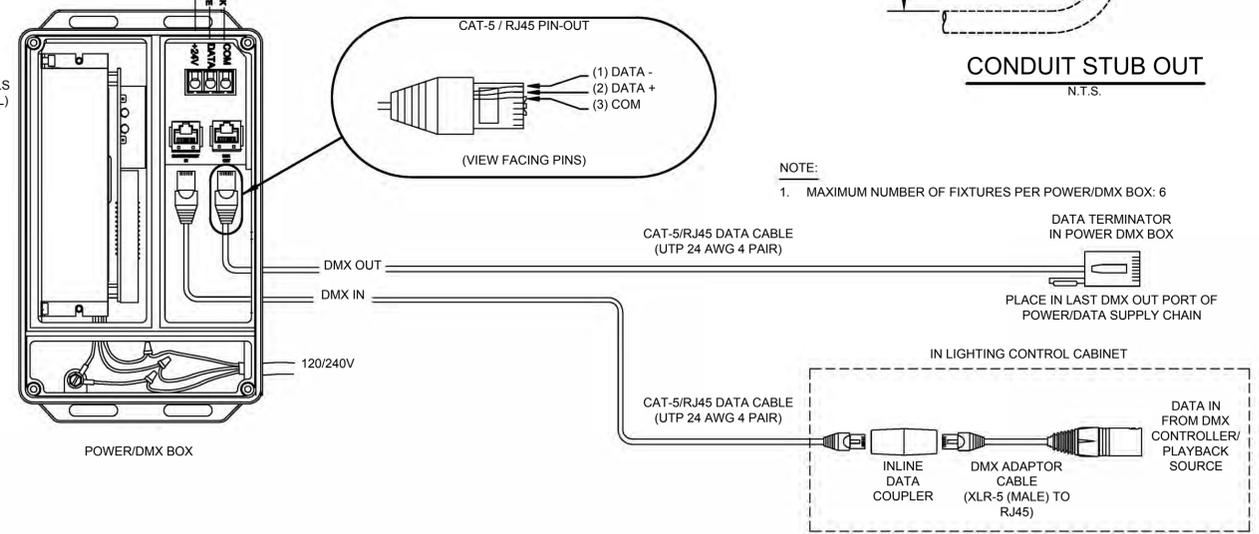


CONDUIT THROUGH ABUTMENT
N.T.S.

A12 SHOWN, A1 SIMILAR



ADJUSTABLE SIDE BEAM CLAMP DETAIL
N.T.S.



POWER/DMX SYSTEM WIRING DIAGRAM
N.T.S.

REFER TO TLC-E-300 FOR NOTES AND LEGEND

File: P:\Projects\Jobs 6000-6099\6042-18 (ST - Totem Lake Bridge, Kirkland, WA)\CAD Drawings\6042-18.dwg Save Date: Dec 03, 2019 9:14 AM Saved By: EKITSON

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION
0	2019/12/06	RF	MGDS	ISSUE FOR BID



COWI
DMD & Associates Ltd.
www.dmdeng.com
office@dmdeng.com
6042-18-4 OF 5

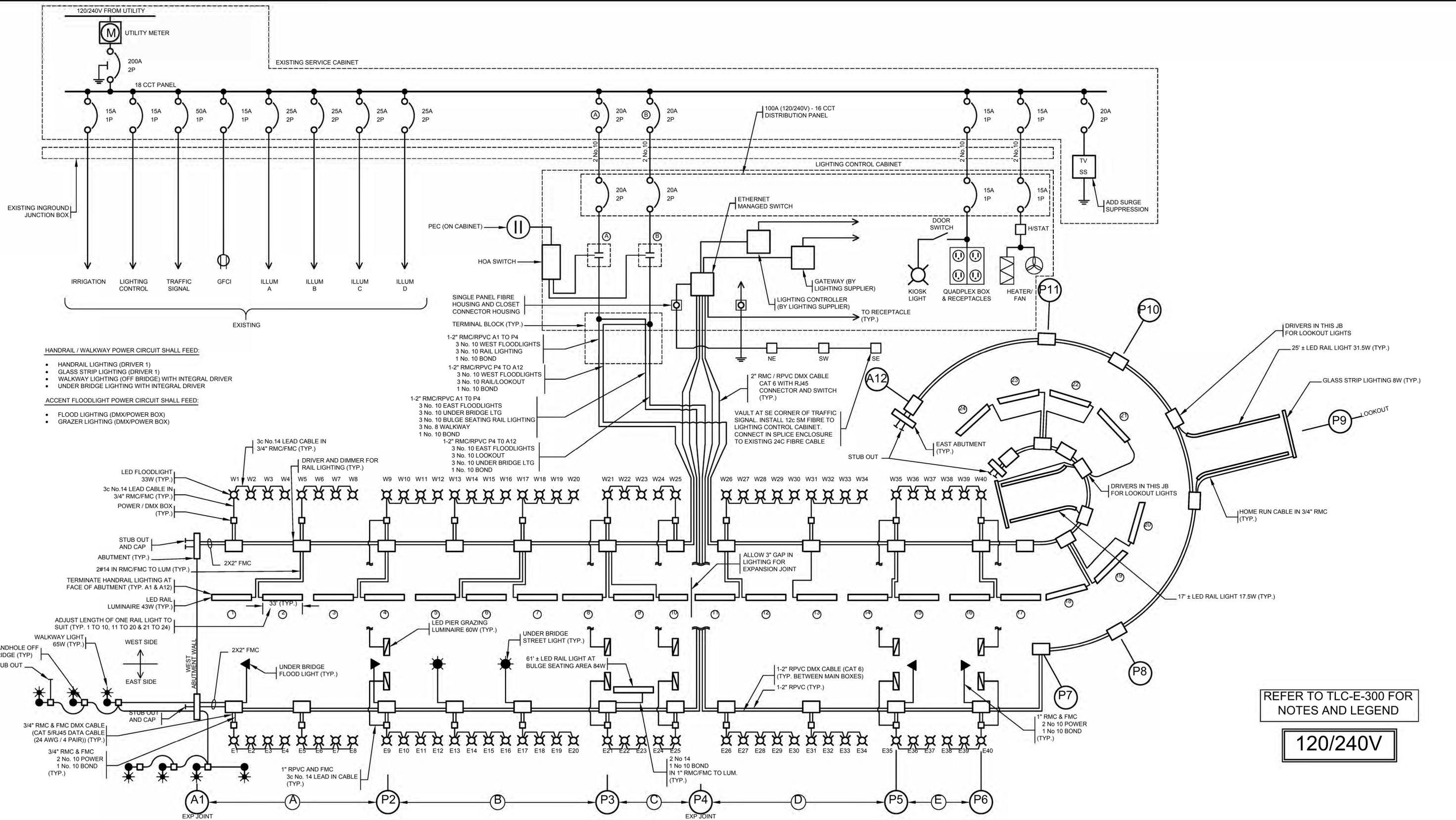
APPROVED BY: _____
DATE: _____

DON McLEAN 2019/12/06
DESIGNED BY: DATE
ROB FRASER 2019/12/06
DRAWN BY: DATE
DANIEL J. WONG 2019/12/06
CHECKED BY: DATE

CITY OF KIRKLAND
TOTEM LAKE CONNECTION
ACCENT LIGHTING DETAILS 3

SHEET: **TLC-E-303**
SCALE: AS NOTED
FILENAME: 6042-18.dwg

File: P:\Projects\Jobs 6000-6099\6042-18 (SI - Totem Lake Bridge, Kirkland, WA)\CAD Drawings\6042-18.dwg Save Date: Dec 03, 2019 9:14 AM Saved By: EKITSON




CITY OF KIRKLAND
 DEPARTMENT OF PUBLIC WORKS
 123 FIFTH AVENUE KIRKLAND, WA 98033
 (425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION
0	2019/12/06	RF	MGDS	ISSUE FOR BID




COWI
 DMD & Associates Ltd.
 www.dmdeng.com
 office@dmdeng.com
 6042-18-5 OF 5

APPROVED BY: _____
 DATE: _____

DON McLEAN 2019/12/06
 DESIGNED BY: DATE
 ROB FRASER 2019/12/06
 DRAWN BY: DATE
 DANIEL J. WONG 2019/12/06
 CHECKED BY: DATE

CITY OF KIRKLAND
 TOTEM LAKE CONNECTION
SINGLE LINE DIAGRAM

SHEET: **TLC-E-304**
 SCALE: NTS
 FILENAME: 6042-18.dwg