

Agency Review Comment Summary

Appendix I



MUNICIPALITY OF ANCHORAGE
PUBLIC WORKS DEPARTMENT
 4700 Elmore Road
 Anchorage AK 99507
Project Review Summary

Project Name:		64th Avenue Upgrade, Laurel Street to Norm Drive			Project No. 12-21
Project Status:		65% Submittal			Date: September 2014
No.	Reviewer	Com. No.	Page No.	Comment	Response
1	Nicole Jones-Vogel Long-Range Planning (1/17/14)	1	General	Based on my research and a conversation with the Corps, it does not appear that a slope easement is permissible without (at a minimum) a Corps permit modification. Additionally, it might be that the bioswales located within the mapped wetland were a condition of the wetland permit. If the project is going to need the slope easements on the property to the north further research should be done to determine what permit modifications or other modifications would be necessary.	No easements proposed in wetlands.
2	Nicole Jones-Vogel, Associate Planner; Carol Wong, Long-Range Planning Manager (10/21/14)	2	R2	At the DSR, it was proposed that a slope easement would be sought from Spruce Meadows Phase 1 Tract A. It appears that since the DSR any impacts to Spruce Meadows Phase 1 Tract A have been eliminated. If that is not the case, please address the following comment provided at the DSR stage: "The report identifies Class A wetlands to the north of the project area and that they may be impacted by slope easements. This wetland unit was deeded to the Homeowners Association to preserve and maintain when the Spruce Meadows subdivision was reviewed and approved. It is recommended that the Homeowner's Association documents are reviewed prior to any further planning for slope easements in that area. Additionally, if slope easements are permissible by the Homeowner's Association any impact to the wetland unit may need US Army Corps of Engineers review and approval prior to disturbance. At this time the Long-Range Planning section does not support a slope easement in the Class A wetlands. Additional information may be available in Corps permit number Campbell Creek 80 (1998-0917)."	No easements proposed in wetlands.
3	Nicole Jones-Vogel, Associate Planner; Carol Wong, Long-Range Planning Manager (10/21/14)	3	SB1	A Corps permit is likely needed for work/maintenance of the sedimentation pond and associated drainageway that connects to Little Campbell Creek. Also, the project team should contact Steve Ellis, Municipal Floodplain Administrator to determine whether or not a flood hazard permit is needed for this proposed work.	DEC permit application is being prepared. Flood hazard permit application is being prepared.
4	Joe Sanks AWWU/Planning (10/13/14)	1	General	AWWU is coordinating a project to include rehabilitation of water valves and cathodic protection of piping within the scope of the road project. James Armstrong is Project Manager at 564-2776. Coordinate with AWWU.	The project team is coordinating with AWWU.

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5	Joe Sanks AWWU/Planning (10/13/14)	2	B2, B3	Sewer main is not shown in the plan view in demolition sheets along Cobblecreek Circle and East 64 th Ave. Reference AWWU record drawings 12642	Sewer main is now shown on B2, B3
6	Joe Sanks AWWU/Planning (10/13/14)	3	General	Sanitary Sewer manholes may require cone adjustment in areas of new final grade adjustment and/or grade ring height exceeds 18". Reference MASS 50.19 and detail 50-24. Include as bid item.	Bid item included for sanitary sewer manholes requiring cone adjustment
7	Joe Sanks AWWU/Planning (10/13/14)	4	Storm Drain Sheets	Comment from Design Review - Proposed north curb for 64 th Ave. is shown directly over water main. Potential conflict with water valves. Align curb so water valves do not fall within the curb or gutter.	Options are being investigated.
8	Joe Sanks AWWU/Planning (10/13/14)	5	Storm Drain Sheets	Comment from Design Review - Storm drain catch basins and piping must maintain a 10 foot horizontal and 3 foot vertical separation from existing water mains. Storm sub-drain system along the north side of 64 th Ave. is shown to be within the 10 foot horizontal separation; most likely ADEC waiver will be required. Four inches of R-20 insulation will be required when vertical separation is less than 3 feet with 18 inches as the minimum vertical separation allowed.	DEC waiver is being prepared.
9	Joe Sanks AWWU/Planning (10/13/14)	6	SD2	Storm drain (P2-9) crosses over existing sewer main at STA 21+40 RT 20 is shown to be in close proximity. Provide proper separation. The use of insulation is recommended at crossing point if 3 feet of vertical separation cannot be achieved. Recommend field verify invert elevation of sewer manhole in intersection of Cobblecreek Circle and 64 th Ave.	Insulation will be added at the crossing.
10	Joe Sanks AWWU/Planning (10/13/14)	7	SD2	STA 24+47, S2-12 is in close proximity to existing sewer manhole in Carriage Drive and 64 th Ave. Maximize horizontal separation to avoid construction conflict. The use of shoring or trench box recommended for construction.	Structure is located exactly between an existing high pressure gas main and the sewer manhole. Alternative locations have been analyzed but unfortunately this is the only place for it due to sewer manhole and storm drain line conflicts.
11	Joe Sanks AWWU/Planning (10/13/14)	8	SD3	Label water and sewer piping in profile views.	Water and sewer pipes have been labelled.
12	Joe Sanks AWWU/Planning (10/13/14)	9	Illumination Sheets	New light poles and electrical appurtenances must maintain a 10 foot horizontal separation from existing water and sewer mains.	All effort has be made to maintain 10 foot horizontal seperation from existing water and sewer mains.
13	Joe Sanks AWWU/Planning (10/13/14)	10	Illumination Sheets	Plans do not show water and sewer mains in plan view.	Water and sewer main have been turned on in plan view.

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14	Joe Sanks AWWU/Planning (10/13/14)	11	Illumination Sheets	Circles are shown in 64 th Ave which appears to be sanitary sewer manhole symbols. (?) Shown at STA 50+50 (Laurel Street) STA 10+50, 16+80, 18+50, 21+30, 23+25, 24+50 (64 th Ave). Clarify symbols.	Have clarified symbols.
15	Karleen Wilson Addressing Official (10/14/14)	1	Cover	Street name is UAA Dr between Northern Lights and Providence Dr, NOT Providence Dr- please correct label	Street name updated
16	Karleen Wilson Addressing Official (10/14/14)	2	Cover	Street name is Turpin ST (NOT Rd) please correct label	Street name updated
17	Karleen Wilson Addressing Official (10/14/14)	3	Cover	Street name is plain old Seward Hwy (NOT New), please correct label	Street name updated
18	Karleen Wilson Addressing Official (10/14/14)	4	S1	Sign Post 7: Rose Hip Cir, 6300 block (not 6400), please correct	Street sign updated
19	Karleen Wilson Addressing Official (10/14/14)	5	S1	Sign Post 7: E 64 th Ave, 2800 block (not 2700), please correct	Street sign updated
20	Karleen Wilson Addressing Official (10/14/14)	6	S1	Sign Post 8: Desiree Loop, 6600 block (not 6400) please correct	Street sign updated
21	Karleen Wilson Addressing Official (10/14/14)	7	S1	Sign Post 8: E 64 th Ave, 2800 block (not 2700), please correct	Street sign updated
22	Randy Bergt MOA Public Transportation Dept. (10/10/14)	1	General	We have NO COMMENTS for this project at this time.	Noted.
23	Dan Boots MOA Traffic Engineering (10/29/14)	1	Driveways	Please ensure appropriate design waivers are obtained for the noncompliant driveway reconstruction. This is particularly important if the driveway grades are increasing and moving away from compliance.	Wavier and variance submitted to PM&E 12-19-2014.
24	Dan Boots MOA Traffic Engineering (10/29/14)	2	General	Is there a way to remove the manhole features from the sidewalks? These are problematic when constructing required pedestrian access routes. Often these lids within the sidewalk are constructed with noncompliant lips and edges.	Unfortunately, no, there is not a way to lcoated the manhole lids outside of the sidewalk. Due to space constraints, manhole features must be in sidewalk to ensure maintenance has adquate and safe access.

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25	Dan Boots MOA Traffic Engineering (10/29/14)	3	R1, R2	Please clarify what the 2 features are that are shown between 13+30 and 18+30, 26'+/- left of centerline. I cant find these in the legend on sheet G4	Retaining wall and ditch added to legend.
26	Dan Boots MOA Traffic Engineering (10/29/14)	4	R1	An ADA ramp is needed at the north side of 64 th Ave at Desiree Loop.	ADA ramp added
27	Dan Boots MOA Traffic Engineering (10/29/14)	5	R2	An ADA ramp is needed at the north side of 64 th Ave at Cobblecreek Circle.	ADA ramp added
28	Dan Boots MOA Traffic Engineering (10/29/14)	6	C3	Where is the retaining wall ditch detail used? I could not find much additional information regarding this on the D sheets as called out	All details updated.
29	Dan Boots MOA Traffic Engineering (10/29/14)	7	D1	Review and modify as required Detail 2. Is this a modified ramp similar to MASS Detail 30-16? Verify the tactile warning location. These are typically located on the ramp run when the landing is less then 5' and at back of curb when the landing is greater then 5'. It appears the side street does not have a connecting sidewalk as suggested in the title.	Detail updated.
30	Dan Boots MOA Traffic Engineering (10/29/14)	8	S1	Please remove the stop bars shown on the side street approaches that are not all way stop controlled.	Stop Bars Removed
31	Dan Boots MOA Traffic Engineering (10/29/14)	9	S1	Please provide stop bars o 64 th Ave at the all way stop intersection with Carriage and Newt.	Stop Bars Added
32	Dan Boots MOA Traffic Engineering (10/29/14)	10	S1	Delete sign 4.	Sign Removed
33	Dan Boots MOA Traffic Engineering (10/29/14)	11	S1	Provide a 10 mph advisory speed plate on sign 5. Is a south bound W1-1L warranted on Laurel if not already present?	Advisory speed plate added. Arrow and advisory speed plate also added to south bound on Laurel

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34	Dan Boots MOA Traffic Engineering (10/29/14)	12	S1	Delete sign 10.	Sign Removed
35	Dan Boots MOA Traffic Engineering (10/29/14)	13	S1	Correct code for the All Way Plate is R1-3P.	Done, MOA Sign Poster and ADOT Standard Sign Design Specifications have incorrect designations
36	Dan Boots MOA Traffic Engineering (10/29/14)	14	S2	Signing Note 5; Do Not specify Clear View 2W Font. Clear View shall not be used. Use FHWA 2000 Series C.	Note amended
37	Dan Boots MOA Traffic Engineering (10/29/14)	15	S2	Striping Notes; please provide inlaid markings to 125 mils.	Note amended
38	Dan Boots MOA Traffic Engineering (10/29/14)	16	S2	A complete and thorough review of the sign schedule is required. Correct the sizes and sign codes to comply with the various tables in the MUTCD. Table 2B-1 and Table 2C-2 are the main tables to use. Correct the sign post sizing as required. Example; the W1-6 series sign minimum size is 48" X 24", this will require a 2.5" PST. The all way plate is R1-3P. Street name sign widths are typically manufactured in 6" increments and are generally given as width varies in the sign schedule.	Sign table updated and reviewed
39	Dan Boots MOA Traffic Engineering (10/29/14)	17	S2	Update the sign schedule as required to address previous comments.	Sign schedule updated to reflect comments
40	Dan Boots MOA Traffic Engineering (10/29/14)	18	L Sheets	Provide intersection sight lines on the landscape sheets.	Sight lines have been added to the landscape sheets.
41	Dan Boots MOA Traffic Engineering (10/29/14)	19	L Sheets	Show signs on the landscape sheets. Ensure that existing and planned additional landscaping does not interfere with sign visibility. Remove or trim any trees that encroach the rights of way and interfere with sign visibility.	Signs and lighting have been added to the landscape sheets.
42	Isobel Roy Public Works PME (10/29/14)	1	38 (SP-27?)	C. Definition for TPZ. This is also the definition given in MASS but it helps to reiterate it here. Recommend adding "Fenced" to the beginning of the sentence so that contractor is clear that a physical measure needs to be taken.	Concur

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43	Isobel Roy Public Works PME (10/29/14)	2	39 (SP-28?)	C. Layout and Coordination: Add to the beginning of sentence, "Prior to any excavation..."	Concur
44	Isobel Roy Public Works PME (10/29/14)	3	39 (SP-28?)	D. Protection of Existing Trees, 2 nd paragraph, last part of sentence "...and after completing the Work." Undefined so to ensure that it gets done, recommend adding "before final acceptance of Work." Great to see it as a bid item.	Concur
45	Isobel Roy Public Works PME (10/29/14)	4	G3	Should you mention the trees to be protected because the fenced TPZ would need to erected prior to Clearing and Grubbing?	Information about TPZs was added to note 8.
46	Isobel Roy Public Works PME (10/29/14)	5	G4	Should the TPZ symbol be added to this page?	TPZs are included in the landscaping sheet legend. A noted was added to the demo sheets directing the contractor to the landscape sheets for locations of TPZs
47	Isobel Roy Public Works PME (10/29/14)	6	L1	Plant Schedule, Deciduous Trees, Existing Trees to Remain: Change 'Existing Trees to Remain' to 'Existing Trees to Remain and Be Protected'.	Concur
48	Isobel Roy Public Works PME (10/29/14)	7	L1	Plant Schedule, General Notes: Note #1. Change L5 to L6.	Concur
49	Isobel Roy Public Works PME (10/29/14)	8	L1	Great to see detail for Temporary Tree Protection Fence. The actual field measurements might likely increase but at least you already have it as a bid item.	TPZs have been further defined on plan.
50	Isobel Roy Public Works PME (10/29/14)	9	L5	Have you considered not using imported topsoil but Verdoyl or equivalent? A similar project managed to salvage topsoil and mix it to get a very good growing medium. Imported topsoil tends to have more weed seeds, and this area will be tougher for the contractor to weed on a regular basis. (That said, we'll still inspect for weeds and add it to the punchlist should they fail to maintain.)	We would prefer to use topsoil and seed as shown on the plans since much of the rest of the project requires it and the weed issue will be managed via the warranty. UPDATED RESPONSE (12-29-2014): Final design will include Verdoyl.
51	Isobel Roy Public Works PME (10/29/14)	10	L5	Schedule A is the mow mix. Please consider a more native mix unless the project asks for the mix w/ more bluegrass.	Schedule B: Wildflower Seed Mix has been added to the area around the sedimentation basin.
52	Steven Ellis, Flood Hazard Administrator WMS (10/31/14)	1	General	This project will require a Flood Hazard Permit for work in the SFHA.	Flood hazard permit application is being prepared.

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53	Lynn McGee, ROW Senior Planner, MOA ROW (12/23/14)	1	General	The plans for the subject project have been found adequate, meeting all the present Municipal requirements for work in the right-of-way. This approval of the design is based on the assumption that the information contained in the plans and supporting information is correct. Any and all omissions are the responsibility of the engineer.	Noted.
54	Lynn McGee, ROW Senior Planner, MOA ROW (12/23/14)	2	General	When applying for the right of way permit the contractor shall present the following documentation to the Permit Office: 1) A copy of this letter 2) PM&E Notice to Proceed 3) Traffic Control Plan approved by MOA Traffic Department 4) For permit issue, one (1) half-size copy of the PM&E approved plans issued for construction, stamped and signed by an Engineer registered in the State of Alaska to practice stated work. If you have any questions, please call me at 343-8226	Noted.
55	Lynn McGee, ROW Senior Planner, MOA ROW (12/23/14)	3	General	Right of Way Permit is required for all work in the MOA rights of way.	Noted.
56	Kathy Parker, MOA Street Lighting (12/10/14)	1	SP cover	Note spelling of 64 th Avenue on Project Manual cover sheet, master index and all subsequent section cover sheets.	Will correct spelling of Avenue.
57	Kathy Parker, MOA Street Lighting (12/10/14)	2	SP-2	Art. 4.17 Utilities – please revise Municipal Street Lights Maintenance – Kathy....	Will revise.
58	Kathy Parker, MOA Street Lighting (12/10/14)	3	SP-27	Art. 22.3 Construction – D. Salvage, Is this intended to be Street Maintenance?	Yes; will update name and location.
59	Kathy Parker, MOA Street Lighting (12/10/14)	4	SP-17/SP-35	Art. 23.7 Measurement and Art. 7.2 Measurement – these two specs for heat trace appear to contradict on measured quantities for heat trace within a manhole ?	The two specs have been modified.
60	Kathy Parker, MOA Street Lighting (12/10/14)	5	SP-35	Art. 7.2 Measurement – LFMC with one rigid end only – inside Type II MH = 50 feet. But with 2 rigid ends, inside a Type II MH = 10 feet?	Have clarified showing LFMC quantity for wrapping around interior of manhole and LFMC for direct pass through of manhole.
61	Kathy Parker, MOA Street Lighting (12/10/14)	6	SP-35	Art. 7.2 Measurement - LFMC attached to rigid conduits on both ends” quotation marks appear to be a typo.	Have deleted typo.
62	Kathy Parker, MOA Street Lighting (12/10/14)	7	SP-35	Art. 7.3 Basis of Payment - Item – Liquid Tight Flexible Metal Conduit – will the size be 1” and 1 ½”?	LFMC will be 1" as shown on the detail drawing E4 and in the bid item B-30.

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63	Kathy Parker, MOA Street Lighting (12/10/14)	8	SP-37	Art. 14.1 General - 2 nd to last para. , 3 rd sentence, Why is there a temperature bypass included with the photocell for operation in the automatic position?	Temperature bypass was used for metal halide fixture that need to be started at a certain temperature. No longer need, have removed temperature bypass from spec.
64	Kathy Parker, MOA Street Lighting (12/10/14)	9	SP-41	Art. 23.1 General – When Contractor providing submittals for approved equal requests, would be good to also know the warranty on the “or equal” option requesting.	Have added to Spec.
65	Kathy Parker, MOA Street Lighting (12/10/14)	10	SP-41	Art. 23.2 Light Distribution – First paragraph, second sentence, Distribution pattern and backlight controls are not specified. All options are still included.	The pole schedule on the drawings shows the distribution (longitudinal & lateral) and the backlight control for the specific pole.
66	Kathy Parker, MOA Street Lighting (12/10/14)	11	SP-43	Art. 23.5 Basis of Payment – First paragraph, items are not specified for payment.	Please clarify question.
67	Kathy Parker, MOA Street Lighting (12/10/14)	12	SP-43	Art. 28.1 General – Item A5. Luminaire pole foundations conflicts – who determines the conflict?	The project design/project engineer/owner is going to determine the need to remove a foundation. Will reword spec to reflect.
68	Kathy Parker, MOA Street Lighting (12/10/14)	13	BP	No bid tabs provided for review.	Noted.
69	Kathy Parker, MOA Street Lighting (12/10/14)	14	Sht. B1	Approx. Sta.10+00 - Bubble 15 with leader does not appear to be pointing at anything.	Demolition plans and bubbles updated.
70	Kathy Parker, MOA Street Lighting (12/10/14)	15	Sht. B1	Approx.. Sta.101+00 – Desiree Loop, existing street light does not have any indication if to be removed or protected in place.	Light is outside of impact limits. Will include "protect in place" for final design.
71	Kathy Parker, MOA Street Lighting (12/10/14)	16	Sht. B2	Note 13. Remove Luminaire (Section 80.28) notes (Not in use this sheet). At 2 locations, there are SLs with bubbled 13. 1) NW corner of Rose Hip Circle and SE corner of Cobblecreek Circle.	Demolition plans and bubbles updated.
72	Kathy Parker, MOA Street Lighting (12/10/14)	17	Sht. B3	Note 13. Remove Luminaire (Section 80.28) notes (Not in use this sheet). All 3 street lights on North side of 64 th from 25+00 to 29+00 are owned by CEA. They must be removed by CEA. Please add a note in the Notes section.	Demolition plans and bubbles updated.
73	Kathy Parker, MOA Street Lighting (12/10/14)	18	Sht. B3	Street light shown at 64 th & Norm intx., east side of Norm, is owned by CEA.	Light is outside of impact limits.

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74	Kathy Parker, MOA Street Lighting (12/10/14)	19	Sht. B5	Demolition Sheets do not list street light poles for removal by Contractor.	"Remove Luminaire Pole" table added to B5
75	Kathy Parker, MOA Street Lighting (12/10/14)	20	Sht. R1, 2, 4, 5	Roadway Sheets – existing street lights, to remain, not shown on sheets.	Will insure lights to remain are shown in final plans.
76	Kathy Parker, MOA Street Lighting (12/10/14)	21	Sht. R9	Detail 1 – Detail Header – note spelling of Carriage.	Spelling corrected.
77	Kathy Parker, MOA Street Lighting (12/10/14)	22	C Shts.	Where are the street lights in reference to the roadway typical sections?	Street lights are not shown in typical sections.
78	Kathy Parker, MOA Street Lighting (12/10/14)	23	I Shts.	Light Level Table – Note spelling of Rose Hip Circle / and Desiree Loop	Will fix for final submittal.
79	Kathy Parker, MOA Street Lighting (12/10/14)	24	I Shts.	Pole Schedule Street Lighting Table – Why partial backlight optics?	To minimize light trespass on adjacent properties while still lighting sidewalk on north side of street.
80	Kathy Parker, MOA Street Lighting (12/10/14)	25	I Shts.	Please provide statement that the DCM Chap 5 criteria are met.	Will add for final submittal.
81	Kathy Parker, MOA Street Lighting (12/10/14)	26	I Shts.	Please include 20% spare electroliers (uninstalled – poles, mast arms, LED heads) to be delivered to MOA Pole Yard.	Will investigate for final design.
82	Kathy Parker, MOA Street Lighting (12/10/14)	27	E Shts.	Demolition Legend – Will the existing TW load center be demolished?	The Heat Trace load center will be removed. See Note 4 Sheet E2.
83	Kathy Parker, MOA Street Lighting (12/10/14)	28	E1	Heat Trace from S1-1 to the Sedimentation Basin, appears pipe and heat trace circuits W2, W3 will be cutting through private property	Easements will be acquired for work in this area.
84	Kathy Parker, MOA Street Lighting (12/10/14)	29	E2	The existing thaw wire LC not shown on the plan set. Will this be removed?	Yes, the LC will be removed.
85	Kathy Parker, MOA Street Lighting (12/10/14)	30	E2	Demolition Legend: Note 4 discusses removal of the meter to the TW LC but not removal of the LC itself. And what is included in this effort?	Will clarify note to remove all LC components.
86	Kathy Parker, MOA Street Lighting (12/10/14)	31	E2	Demolition Legend: Note 6 discusses installation of thaw wire within the existing conduit...how will this be paid? What is the condition of the existing conduit?	Conduit is in fair condition from what we can see. Will be paid under the Heat Trace (Long Line) pay item.

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87	Kathy Parker, MOA Street Lighting (12/10/14)	32	E3	Is there a H-O-A for the Heat Trace LC?	Yes, see note 3 sheet E3.
88	Kathy Parker, MOA Street Lighting (12/10/14)	33	E3	Is the pilot light an LED?	Yes, see note 6 sheet E3.
89	Kathy Parker, MOA Street Lighting (12/10/14)	34	E3	Heat Trace Placard should also note MOA.	Owner Ship will be shown with Scotch Cal 220 decals as required by the spec. An added MOA to placard if wanted.
90	Kathy Parker, MOA Street Lighting (12/10/14)	35	E3	CEA likes to have Scotch Cal 220 decals affixed to the LC denoting ownership and purpose. Unsure if it will be acceptable to utilize the placard.	All load centers shall have Scotch Cal 220 decals affixed to the LC denoting ownership and purpose, see specification 80.14 Article 14.1 items G.
91	Kathy Parker, MOA Street Lighting (12/10/14)	36	E3	HT Construction Notes – typically see the caution signs in yellow on a carsonite marker, location dependent.	Will review for final design.
92	Kathy Parker, MOA Street Lighting (12/10/14)	37	E3	HT Construction Notes – based on Field Testing Section 80.16 Miscellaneous, Art. 16.2 Field Tests, Section A. Tests, 3. Currently, contractors are not completing the Megohm tests. Would like to ensure that these tests are being completed prior to accepting maintenance responsibilities.	Noted.
93	Kathy Parker, MOA Street Lighting (12/10/14)	38	E4	Detail 3 – typically see the caution signs in yellow.	Noted, will review for final design.
94	Kathy Parker, MOA Street Lighting (12/10/14)	39	E4	Detail 4 – where does the 1” LFMC terminate in the manhole? Electricians noted better to have end at top of MH for access/work without having to draw down the water levels in the MH.	Per the detail on E4 the LFMC terminates at the bottom. Will look into modifying detail to end the LFMC at the top.
95	Kathy Parker, MOA Street Lighting (12/10/14)	40	SD6	Section Notes, 1. Current 2009 MASS is Rev. 3.	Will update note for Final Design.
96	Kathy Parker, MOA Street Lighting (12/10/14)	41	I1	Illumination Plan: Prior to Sta. 10+00, there is an existing MOA SL at the curve at Laurel and E. 64 th . When constructing the new circuit to L1, may come in conflict with the existing Laurel Street circuit feeding this light.	The luminaire at the curve is to be removed.
97	Kathy Parker, MOA Street Lighting (12/10/14)	42	I Sheets	Illumination Plan: what is the proposed distance for junction boxes from the back of sidewalk? Please ensure a minimum of 2’ setback.	Per note 9 sheet I3, the junction boxes will have a minimum setback of 2’.
98	Kathy Parker, MOA Street Lighting (12/10/14)	43	I Sheets	Illumination Plan: will potholing prior to driving piles be required based on the potential conflict with 12” HP gas main.	Vac truck will need to be used prior to pile driving for pile location that are within 10' of the utility per the specs.

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99	Kathy Parker, MOA Street Lighting (12/10/14)	44	I Sheets	Illumination Plan: will potholing prior to driving piles be required based on the potential conflict with 12" HP gas main.	Vac truck will need to be used prior to pile driving for pile location that are within 10' of the utility per the specs.
100	Kathy Parker, MOA Street Lighting (12/10/14)	45	I1	Landscape Plan: there is a proposed street light, L2, to be located on 64 th Avenue at sta. 50+00 (Sht. I1). This pole appears to be installed where existing deciduous trees are located.	Will review location of L2 for possible conflict.
101	Kathy Parker, MOA Street Lighting (12/10/14)	46	I1	Landscape Plan: there is a proposed street light, L8, to be located at the intx. of 64 th & Rose Hip Circle, NW corner. This pole appears to be installed where a deciduous tree to remain.	Will review location of L8 for possible conflict.
102	Kathy Parker, MOA Street Lighting (12/10/14)	47	L2	Landscape Plan: there is an existing street light pole located in the "triangle pathway" at Laurel & 64 th . This pole is to remain per demolition plan. There are 3 evergreens proposed in this location.	Demolition plan updated; light to removed.
103	Kathy Parker, MOA Street Lighting (12/10/14)	48	L2	Landscape Plan: there is a proposed street light, L1, to be located on Laurel Street at sta. 50+80 (Sht. E2). This pole appears to be installed where the deciduous trees are proposed.	Will verify no conflicts exist between proposed trees and L1.
104	Kathy Parker, MOA Street Lighting (12/10/14)	49	L2	Landscape Plan: Sta. 27+10, Left offset, how can the existing vegetation be preserved with the new L 14, junction box being installed and the conduit feeds to and from this location.	Will review for final design
105	Kathy Parker, MOA Street Lighting (12/10/14)	50	L5	Sedimentation Basin: Entry Lane Option 2 is preferred from Street Light Maintenance needs to maintain the outfall heat trace system.	During further design, entry lane option 2 crossed a drainage ditch and is not feasible.
106	Kathy Parker, MOA Street Lighting (12/10/14)	51	L5/E1	Sedimentation Basin: Landscape Architect, Civil Engineer and Electrical Engineer may want to review/confirm proposed efforts in and around the sedimentation basin.	Will review for final design
107	Kathy Parker, MOA Street Lighting (12/10/14)	52	SP-2	Section 10.04, Article 4.17. Municipal Street and Storm Drain Maintenance. Please replace Shawn Dooley, 343-8195 with Steve Hughes, 343-8161.	Will update for final design.
108	Kathy Parker, MOA Street Lighting (12/10/14)	53	C3	Retaining Wall Detail 1 refers to the D Sheets for additional information. No Retaining Wall information for this wall appears in the D Sheets. Please clarify.	Retaining wall details added to C Sheets.
109	Kathy Parker, MOA Street Lighting (12/10/14)	54	R & T Shts	Many of the Roadway Summary Tables are incomplete and a review could not be completed. Will complete a review of these sheets at the next submittal.	Tables updated.
110	Kathy Parker, MOA Street Lighting (12/10/14)	55	SD Shts	Please terminate subdrains in manholes to facilitate APDES Permit requirements and maintenance access. Cleanouts are not acceptable to Street Maintenance. DCM 2.7 F	Will update for final design.
111	Kathy Parker, MOA Street Lighting (12/10/14)	56	SD1	Please include end sections at the outfall on pipes P1-4, P1-5, and P1-7.	Will update for final design.

Project Name:		64th Avenue Upgrade, Laurel Street to Norm Drive			Project No. 12-21
Project Status:		65% Submittal			Date: September 2014
No.	Reviewer	Com. No.	Page No.	Comment	Response
112	Kathy Parker, MOA Street Lighting (12/10/14)	57	SD Shts	Many of the catch basins cannot be built per MASS. For example the Reference Elevation for Structure S1-8 is 144.70. The start invert elevation for Pipe P1-9 is 143.10. The top of pipe elevation is +/- 144.20 leaving insufficient room to construct the catch basin. Minimum Reference Elevation per MASS 55-22 can be no less than +/-146.36. Please proof the plan set and correct.	Catch basins in the north side ditch have been eliminated because of this issue, and pipe inlets have been proposed in the 95% plans set.
113	Kathy Parker, MOA Street Lighting (12/10/14)	58	SB1	There is an existing storm drain in Desiree Loop that drains into the Sedimentation Pond. Please include on this plan sheet.	Existing storm drain is shown in 95% plans
114	Kathy Parker, MOA Street Lighting (12/10/14)	59	L5	Street Maintenance prefers that both Entry Lane Options 2 and 3 be constructed. Additional Entry Lane Option 3 should be extended from the Detention Pond to the outfall.	During further design, entry lane option 3 is the only feasible option. Will look at extending entry lane to outfall.



**MUNICIPALITY OF ANCHORAGE
PUBLIC WORKS DEPARTMENT**
4700 Elmore Road
Anchorage AK 99507
Project Review Summary

Project Name:		64th Avenue Upgrade, Laurel Street to Norm Drive			Project No. 12-21
Project Status:		95% Submittal			Date: January 2015
No.	Reviewer	Com. No.	Page No.	Comment	Response
1	Rand Gaynor (MOA) 12-29-2014	1	General	The spelling for "avenue" needs to be corrected on each of the section cover sheets	Will correct spelling.
2	Isobel Roy Public Works PME (12/22/14)	1	General	For Verdyol, there should be a statement saying "The Hydraulic Growth Medium should be applied with an organic fertilizer". For Flexterra, we should add the technical data (attached). This is just one product but they could state "or equal."	Concur. Specifications updated per comments. Coordinated specific language with input from Isobel Roy (MOA PM&E)
3	Isobel Roy Public Works PME (12/22/14)	2	General	In the design stage, it's easier to have a blanket design measure for seeded areas but it doesn't always make for easier maintenance.	Concur. Seed areas revised to include both Topsoil Areas and Hydraulic Growth Medium Areas, as appropriate per the access, application and expected maintenance.
4	Isobel Roy Public Works PME (12/22/14)	3	General	For the sed pond area, I'd recommend going with Verdyol and Flexterra. In design, the topsoil submittal and spec could be tightened to ensure we're getting the product we want.	Concur. Sedimentation Basin and revegetation areas to receive Hydraulic Growth Medium. Specification includes added technical data to ensure quality of product.
5	Isobel Roy Public Works PME (12/22/14)	4	General	Request samples from the actual topsoil pile either on site or... Don't know but this is yet another step that could be taken in design to ensure better construction and maintenance.	Revised. Topsoil to be provided in Lawn/Mow Seed Mix areas only. Specification for Topsoil meets MASS standard and is subject to inspection requirements. Hard to access areas (Sedimentation Basin and revegetation areas) are to receive Hydraulic Growth Medium to eliminate introduction of invasive species in Topsoil and ensure adequate soil health for proper germination and maturation of applied seed.
6	Dan Boots MOA Traffic Engineering (1/20/15)	1	S1	Please remove the marked parking spaces shown. Existing parking is marked with a white shoulder stripe. Provide replacement of existing shoulder stripe as required to match existing.	Marked parking spaces removed

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7	Dan Boots MOA Traffic Engineering (1/20/15)	2	S1	Sign 2 shall be mounted at 45 degrees facing southbound traffic. The sign code shown on sheet S1 and on the sign schedule shown on S2 is incorrect. Correct code is R7P-101L	Sign rotated and lables updated
8	Dan Boots MOA Traffic Engineering (1/20/15)	3	S1	Please provide a R7P-101R mounted at 45 degrees near 10+75 right of centerline.	Sign added
9	Dan Boots MOA Traffic Engineering (1/20/15)	4	S1	Please provide no parking signage for the inside of the curve as well. This can be accomplished with a R7P-101L/R near 51+00 and a R7P-101L on 64 th near 10+75. All no parking signs with arrows shall be mounted at 45 degrees and face traffic.	Signs added
10	Dan Boots MOA Traffic Engineering (1/20/15)	5	S1	Please adjust the centerline striping through the curve as required to terminate at asphalt (construction) centerline on 64 th Ave rather than platted ROW centerline and maximize space for design vehicle tracking through the curve. This may require a special detail.	Striping adjusted and detail added
11	Dan Boots MOA Traffic Engineering (1/20/15)	6	S2	Sign 2 code is incorrect. No parking signs with arrows are generally R7P-101 L or R or L/R	Sign code corrected
12	Dan Boots MOA Traffic Engineering (1/20/15)	7	S2	Update the sign schedule as required to provide additional No Parking signage on the curve.	Sign schedule updated