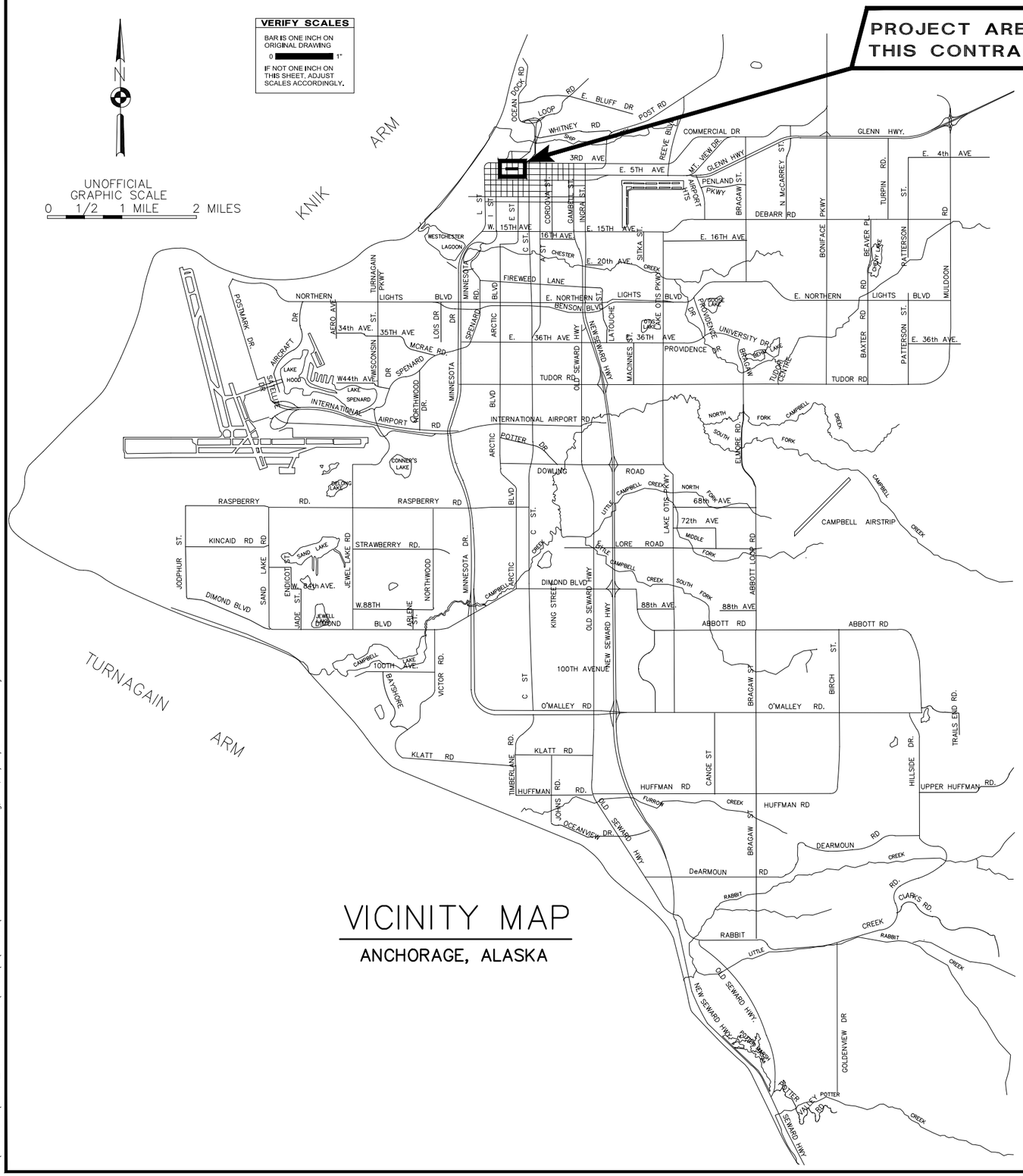

VICINITY MAP

ANCHORAGE, ALASKA

ANCHORAGE ALASKA

MUNICIPALITY OF ANCHORAGE PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

PM&E PROJECT NO 21-22

PREPARED BY:

KINNEY ENGINEERING, LLC

3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

APPROVED BY:

BRANDON TELFORD, P.E.
MUNICIPAL ENGINEER

95% Plans
Not for Construction

FILE NO.-

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704-01_G1_COVER.dwg, 1:2, 5/13/24 at 12:57 by BRIAN.LEWIS

CONSTRUCTION NOTES

1. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE 2024 MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, (MASS), AS AMENDED AND AWWU 2012 DCPM.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED ON THE PROJECT SITE.
3. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL, INCLUDING ARROW BOARD DEVICES FOR OVERHEAD INSPECTION AND LOCATE WORK PERFORMED BY MOA SIGNAL ELECTRONICS. CONTRACTOR SHALL BE ON-SITE AT COMPLETION OF LOCATES TO REVIEW LAYOUT AND MAKE STATIONING MEASUREMENTS FOR CONDUIT LOCATIONS. CONTRACTOR PROVIDED TRAFFIC CONTROL FOR OVERHEAD INSPECTION AND LOCATE WORK IS INCIDENTAL TO THE CONTRACT.
4. ALL STOP SIGNS AND STREET SIGNS SHALL REMAIN OPERATIONAL FOR THE DURATION OF THE PROJECT.
5. ALL IMPROVEMENTS ON PRIVATE PROPERTY ARE CONTINGENT UPON PROPERTY OWNER APPROVAL AND FINAL ROW NEGOTIATIONS.
6. ALL STATIONING IS CONSTRUCTION CENTERLINE UNLESS OTHERWISE NOTED. SEE SURVEY CONTROL DRAWINGS FOR HORIZONTAL AND VERTICAL CONTROL.
7. CURB STATIONING, OFFSETS AND DIMENSIONS SHOWN ON THE DRAWINGS ARE MEASURED TO TOP BACK OF CURB (TBC), UNLESS OTHERWISE NOTED.
8. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE NOT EXACT. THE CONTRACTOR SHALL OBTAIN UTILITY LOCATES AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO VERIFY EXACT LOCATIONS OF BURIED UTILITIES IN THE FIELD USING A VACTOR TRUCK PER THE SPECIFICATIONS AND RECORD CURRENT LOCATIONS ON THE CONTRACTOR'S RECORD DRAWINGS.
9. EXISTING ELECTRIC, CABLE TELEVISION, TELEPHONE, STREET LIGHT, TRAFFIC SIGNAL, AND GAS LINES IN THE WORK AREA MAY REQUIRE CONTINUOUS SUPPORT AND / OR RELOCATION DURING EXCAVATION AND BACKFILLING OPERATIONS. DURING THE COURSE OF THE WORK UTILITY COMPANIES MAY RELOCATE SOME OF THEIR EXISTING FACILITIES. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL COORDINATE WORK WITH EACH UTILITY COMPANY.
10. OVERHEAD ELECTRICAL LIGHTING CIRCUITS OCCUR WITHIN THE PROJECT AREA. CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING UTILITY LINES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES; AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. CONTRACTOR SHALL HAND DIG WITHIN TWO FEET OF BURIED ELECTRICAL CABLE.
11. SHORING OF UTILITY POLES, PADS, PEDESTALS, LOAD CENTERS, LIGHT POLES, SIGNAL POLES, AND OTHER EQUIPMENT ARE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
12. A VAC TRUCK SHALL BE USED FOR EXCAVATION TO INSTALL SIGNAL AND LIGHT POLE FOUNDATIONS. THIS WORK SHALL BE INCIDENTAL TO CONTRACT.
13. WATER RESULTING FROM CONTRACTOR'S DEWATERING EFFORTS MAY NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS UNLESS REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO, THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND ENVIRONMENTAL PROTECTION AGENCY, ARE OBTAINED BY CONTRACTOR. UNDER NO CIRCUMSTANCES WILL CONTRACTOR BE ALLOWED TO DIVERT WATER FROM EXCAVATION ONTO ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR PROVIDING ALL COPIES OF REQUIRED PERMITS AND APPROVALS TO THE MOA ROW PERMIT OFFICE.
14. ALL ORGANICS ARE TO BE REMOVED FROM THE ROAD PRISM.
15. ALL STRUCTURAL FILL AND TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% DRY DENSITY AT OPTIMUM MOISTURE CONTENT OF ± 2%.
16. CATCH BASIN LOCATIONS ARE IDENTIFIED BY STATION AND OFFSET FROM ROAD CENTERLINE TO TOP BACK AND MIDPOINT OF CURB BOX. CATCH BASIN ELEVATIONS REFERENCE TO THE EDGE OF PAVEMENT AND MIDPOINT OF CURB BOX. PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES. PIPE SLOPES ARE DETERMINED BY MEASURING BETWEEN INSIDE FACE OF STRUCTURE.
17. ALL STORM DRAIN PIPES AND CATCH BASIN LEADS SHALL BE INSULATED (R-20) WHEN THE DEPTH OF COVER IS LESS THAN FOUR FEET PER MASS DETAILS 20-8, 20-9 AND SPECIFICATIONS.
18. FOR NEW AND EXISTING STORM DRAIN MANHOLES, POSITION THE CONE SO THAT THE MANHOLE LID IS OUTSIDE OF THE WHEEL PATH.
19. UNLESS OTHERWISE NOTED, ALL AWWU WATER VALVE BOXES AND SANITARY SEWER MANHOLES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE PER MASS OR THESE DRAWINGS. MANHOLE LIDS AND WATER VALVE TOPS IN NEED OF REPLACEMENT, AS CONFIRMED BY THE ENGINEER, WILL BE FURNISHED TO THE CONTRACTOR AT NO COST TO THE PROJECT. COORDINATE WITH AWWU FOR ACQUIRING REPLACEMENTS.
20. IN PREPARATION FOR AND IMMEDIATELY PRIOR TO PAVING, THE CONTRACTOR SHALL REMOVE AN ADDITIONAL ONE FOOT FROM THE EXISTING PAVEMENT EDGE. THE ENGINEER MAY REQUIRE MORE THAN ONE FOOT ADDITIONAL CUT IF THE EXISTING PAVEMENT HAS BEEN LIFTED IN THE REMOVAL PROCESS, IF THE JOINT DOES NOT OCCUR ON UNDISTURBED MATERIAL, OR IF THE JOINT IS LOCATED WITHIN THE TRAVEL LANE. CUTS SHALL BE MADE WITH A SAW. TACK COAT SHALL BE APPLIED TO ALL JOINTS, REFERENCE MASS DETAIL 40-2. THIS WORK IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
21. WHEN EXCAVATING ADJACENT TO EXISTING TREES NOT DESIGNATED FOR REMOVAL, FOLLOW ANSI PRUNING STANDARDS FOR CONSTRUCTION AS IDENTIFIED IN MASS. THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.
22. THE CONTRACTOR SHALL PROVIDE RECORD SURVEY NOTES FOR SUBMITTAL WITH THE RECORD DRAWINGS. CONTRACTOR SHALL RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD ON THE CONTRACTOR'S AS-BUILT PLANS.
23. PROVIDE AT LEAST ONE TEMPORARY BENCHMARK PER BLOCK ON EACH SIDE OF 4TH AVENUE WHERE SOIL CELLS WILL BE INSTALLED TO FACILITATE CONSTRUCTION AND INSPECTION OF SOIL CELLS.

SHEET INDEX

WORK SCHEDULE

SCHEDULE	*DESCRIPTION*	*BID SCHEDULE*
A	*ROADWAY AND STORM DRAIN IMPROVEMENTS*	*BASE BID*
B	*TRAFFIC SIGNALS AND ILLUMINATION IMPROVEMENTS*	*BASE BID*
C	*LANDSCAPING IMPROVEMENTS*	*BASE BID*

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REVISIONS

REV	DATE	DESCRIPTION	BY

KINNEY ENGINEERING, LLC
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CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE ALL
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

SHEET INDEX AND CONSTRUCTION NOTES

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET G2 of G9

PLAN LEGEND

EXISTING	PROPOSED	
ⓔⓣ		SMALL ELECTRICAL/ TELEPHONE MANHOLE
[E][T]		LARGE ELECTRICAL/ TELEPHONE MANHOLE JUNCTION BOX
[J]		(TRAFFIC)
[C]		CABLE TV
P.M.	P.M.	SINGLE PARKING METER
P.M.	P.M.	DOUBLE PARKING METER
U.E.		UNDERGROUND ELECTRIC PEDESTAL UNDERGROUND
U.T.		TELEPHONE PEDESTAL
OEM	EM	ELECTRIC METER
		ELECTRIC OUTLET
		GUY ANCHOR
		GUY POLE
		UTILITY POLE
		JOINT USE POWER AND TELEPHONE POLE
		GAS VALVE
G.M.		GAS METER
		STORM DRAIN CATCH BASIN MANHOLE
		STORM DRAIN MANHOLE
		CATCH BASIN
	C.O.	SANITARY SEWER MANHOLE
C.O.	(SIZE)	SANITARY SEWER CLEANOUT
		SEWER SERVICE CONNECT
		DRYWELL
		KEY BOX/WATER VALVE
		FIRE HYDRANT
		INSULATION BOARD
		CULVERT
SD	SD	UNDERGROUND STORM DRAIN OR SUBDRAIN LINE
		PERFORATED SUBDRAIN PIPE
FD	FD	FOOTING DRAIN SERVICE
E	E	UNDERGROUND ELECTRIC LINE
G	G	UNDERGROUND GAS LINE
S	S	UNDERGROUND SANITARY SEWER LINE
T		UNDERGROUND TELEPHONE LINE
OT		TELEPHONE LINE (OVERHEAD)
TR		UNDERGROUND TRAFFIC LINE
W	W	UNDERGROUND WATER LINE
OE		ELECTRIC LINE (OVERHEAD)
C		CABLE TV LINE
OC		CABLE TV LINE (OVERHEAD)
FO		UNDERGROUND FIBER OPTIC LINE
OET		ELECTRIC & TELEPHONE (OVERHEAD)
OH		OVERHEAD BANNER

PLAN LEGEND

EXISTING	PROPOSED	
		EASEMENT LINE
		CENTERLINE
		CONSTRUCTION CENTERLINE
		RIGHT OF WAY
		PROPERTY LINE
		EDGE OF PAVEMENT
		TYPE 1 CURB AND GUTTER
		TYPE 2 CURB AND GUTTER
		CONCRETE SIDEWALK
		DETECTABLE WARNING TILE
		TEMPORARY CONSTRUCTION PERMIT / EASMENT
		GRAVEL ROADWAY OR DRIVEWAY
X	X	FENCE
		TREE LINE
		C.I.P.P. LINING
		ABANDON PIPE

EXISTING	PROPOSED	
		BUILDING
		BUILDING CANTILEVER
		BOLLARD
		TREE C (Conifer)
		TREE D (Deciduous)
M.B.	M.B.	MAILBOX / CLUSTER MAILBOX
		STREET SIGNS
		CURB RAMP
		DECORATIVE CONCRETE HATCH

EXISTING	PROPOSED	
		RETAINING WALL
		VALLEY GUTTER
		AC SWALE
		DRAINAGE ARROW
240	240	CONTOURS
		BREAK LINE
		CUT LIMIT
		FILL LIMIT
		DITCH
25		RADIUS TO TOP BACK OF CURB
I.P.		IRON PIN OR REBAR
		BRASS CAP MONUMENT
		ALUMINUM CAP MONUMENT
		PK NAIL, SPIKE OR CONCRETE NAIL TEMP.
		BENCH MARK
		BLOCK 41 DEVELOPMENT
		TREE PLANTER/WELL

PROFILE LEGEND

EXISTING	PROPOSED	
		℄
		NORTH OR WEST PROPERTY LINE
		SOUTH OR EAST PROPERTY LINE
		PIPE
		MANHOLE (PAVING PROFILE ONLY)
		CATCH BASIN OR CATCH BASIN MANHOLE (PAVING PROFILE ONLY)
	0.0%	GRADE AT ℄ OF PAVEMENT
	0.0% 0.0%	SANITARY SEWER LINE AND MANHOLE
	0.0% 0.0%	STORM DRAIN LINE AND STORM DRAIN MANHOLE
		MANHOLE/PIPE WITH C.I.P.P. LINER
		MANHOLE/PIPE TO BE REMOVED
		INSULATION BOARD

SIGNAL AND LIGHTING PLAN LEGEND

EXISTING	PROPOSED	
		LOAD CENTER
		TRAFFIC SIGNAL CONTROLLER CABINET (WITH, WITHOUT VAULT)
		TYPE III JUNCTION BOX
		TYPE II JUNCTION BOX
		TYPE I/IA JUNCTION BOX
		TRANSFORMER
>52	52	SIGNAL HEAD
>52	52	SIGNAL HEAD WITH ARROW
88	88	PEDESTRIAN SIGNAL HEAD
88	88	PEDESTRIAN PUSH-BUTTON
TR		CONDUIT RUN
TR		CONNECTION BETWEEN EXISTING & NEW CONDUIT
311	311	DETECTION LOOP
4	4	JUNCTION BOX #
S	S	SIGNAL POLE
P	P	PEDESTRIAN SIGNAL POLE
	2	REFERENCE TO SIGNALIZATION NOTE #
		OPTICOM DETECTOR WITH CONFIRMATION LIGHT
	##	STREET OR SIGNAL LUMINAIRE
	P#	PEDESTRIAN LUMINAIRE
CAM	CAM	PAN, TILT, AND ZOOM CAMERA
		LANDSCAPE LIGHTING

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL NOTIFY ALL AREA UTILITY COMPANIES PRIOR TO COMMENCEMENT OF EXCAVATION. THE FOLLOWING IS A PARTIAL LIST:

LOCATE CALL CENTER OF ALASKA: 278-3121

(INCLUDES AT&T, AWWU, CEA, ENSTAR, TESORO ALASKA PIPELINE, GCI, ACS, TRAFFIC SIGNALS, MOA & DOT&PF STORM/STREETS.)

ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
A.C.	ASPHALTIC CEMENT	MH	MANHOLE
ADA	AMERICANS WITH DISABILITIES ACT OF 1990	MIL	MILLIMETER
AFD	ANCHORAGE FIRE DEPARTMENT	MIN	MINIMUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	ML&P	MUNICIPAL LIGHT & POWER
APPROX	APPROXIMATE	MMA	METHYL METHACRYLATE
A.S.A.P.	AS STEEP AS PRACTICAL	MOA	MUNICIPALITY OF ANCHORAGE
AVE	AVENUE	MON	MONUMENT
AWWU	ANCHORAGE WATER AND WASTEWATER UTILITY	MSL	MEAN SEA LEVEL
BFM	SOIL STABILIZATION (BONDED FIBER MATRIX)	N	NORTH
BOP	BEGINNING OF PROJECT / BOTTOM OF PIPE	NE	NORTHEAST
BM	BENCH MARK	N/A	NOT APPLICABLE
B.R.	BIKE RAMP #	N.I.C.	NOT IN CONTRACT
B.V.	BUTTERFLY VALVE	NOM.	NOMINAL
C&G	CURB & GUTTER	NTS	NOT TO SCALE
CB	CATCH BASIN	NW	NW
CBMH	CATCH BASIN MANHOLE	NWT	NO WATER TABLE ENCOUNTERED
CC	CURB CUT	OC	ON CENTER
CEA	CHUGACH ELECTRIC ASSOCIATION	OGS	OIL AND GRIT SEPARATOR
C.I.P.P.	CURED-IN-PLACE PIPE	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
C/L, ℄	CENTERLINE		
CMP	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT CONCRETE
CONST.	CONSTRUCT	PC	POINT OF CURVATURE
CH	CHORD. HORIZONTAL CURVE	PCMP	PRECOATED CORRUGATED METAL PIPE
CJ	CONTROL JOINT	PED.	PEDESTRIAN
CPEP	CORRUGATED POLYETHYLENE PIPE	PGL	PROFILE GRADE LINE
C.R.#	CURB RAMP #	PI	POINT OF INTERSECTION
C.T.V.	CABLE TELEVISION	PL, P̄	PROPERTY LINE
CU	COPPER	P.M.	PARKING METER
DCPM	AWWU DESIGN & CONSTRUCTION PRACTICES MANUAL	P.U.E.	PUBLIC USE EASEMENT
DEMO	DEMOLITION	P.R.C.	POINT OF REVERSE CURVATURE
DESC.	DESCRIPTION	P.S.I.	POUNDS PER SQUARE INCH
DIA/ø	DIAMETER	P.S.T.	PERFORATED STEEL TUBE
DIP	DUCTILE IRON PIPE	PT	POINT OF TANGENCY
DOT&PF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	PVC	POINT OF VERTICAL CURVE
		PVI	POINT OF VERTICAL INTERSECTION
DTL.	DETAIL	PVM'T	PAVEMENT
DW	DETECTABLE WARNING PANELS	PVT	POINT OF VERTICAL TANGENCY
DWY	DRIVEWAY	R	RADIUS
D/W CC	DRIVEWAY CURB CUT	R & R	REMOVE AND REPLACE / RELOCATE / RE-SET
EOP	END OF PROJECT	R.A.P.	RECYCLED ASPHALT PAVEMENT
EP	EDGE OF PAVEMENT	REF.	REFERENCE
EL/ELEV.	ELEVATION	ROW	RIGHT-OF-WAY
E	EASEMENT LINE	RT / R	RIGHT
E	EAST	S	SOUTH
EJ	EXPANSION JOINT	SS	SANITARY SEWER
EST.	ESTIMATED	SD	STORM DRAIN
EX.	EXISTING	SSHC	DOT&PF STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, INCLUDING SPECIAL MODIFICATIONS AND SPECIAL PROVISIONS
EXP.	EXPANSION		
F.C.	FACE OF CURB		
F&I	FURNISH AND INSTALL	SDMH	STORM DRAIN MANHOLE
FIMH	FIELD INLET MANHOLE	SE	SOUTHEAST
FG	FINISHED GRADE	S.E.	SUPERELEVATION
FT	FOOT/FEET	SI	STREET INTERSECTION
F.H.	FIRE HYDRANT	S.P.	SPECIAL PROVISION
F & G	FRAME & GRATE	SSMH	SANITARY SEWER MANHOLE
℄	FLOW LINE	STA	STATION
GB	GRADE BREAK	STD	STANDARD
GS	GROUND SHOT	STD DTL	STANDARD DETAIL FOUND IN M.A.S.S.
GV	GATE VALVE	ST	STREET
HDPEP	HIGH DENSITY POLYETHYLENE PIPE	STR	STRUCTURE
HOR.	HORIZONTAL	SW	SOUTHWEST
I.A.W.	IN ACCORDANCE WITH	S/W	SIDEWALK
I/C	INTERCONNECT	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
I.D.	IDENTIFICATION	TBC	TOP BACK OF CURB
INV.	INVERT	T.B.	THRUST BLOCK
JBER	JOINT BASE ELMENDORF-RICHARDSON	TCP	TEMPORARY CONSTRUCTION PERMIT
JBOX OR J.B.	JUNCTION BOX	TCE	TEMPORARY CONSTRUCTION EASMENT
L.C.	LIP OF CURB OR LOAD CENTER	TOC	TOP OF CASTING
LF	LINEAR FOOT/FEET	TYP	TYPICAL
LOC	LOCATION	UON	UNLESS OTHERWISE NOTED
LT / L	LEFT	VB	WATER VALVE BOX
M.A.S.S.	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, STREETS-DRAINAGE-UTILITIES, 2015 EDITION, AS CURRENTLY AMENDED	VERT.	VERTICAL
		W	WEST
		W.T.	WATER TIGHT
MAX	MAXIMUM	WWF	WELDED WIRE FABRIC
ME	MATCH EXISTING	(C)	CALCULATED
		(D)	DIMENSION FROM RECORD DRAWINGS
		D#	DETAIL AND SHEET NUMBER FOR DETAIL

95% Plans

Not for Construction

RECORD DRAWING

1. DATA PROVIDED BY: _____ TITLE: _____
   THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
   CONTRACTOR: _____
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   DATA TRANSFER CHECKED BY: _____ TITLE: _____
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   BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

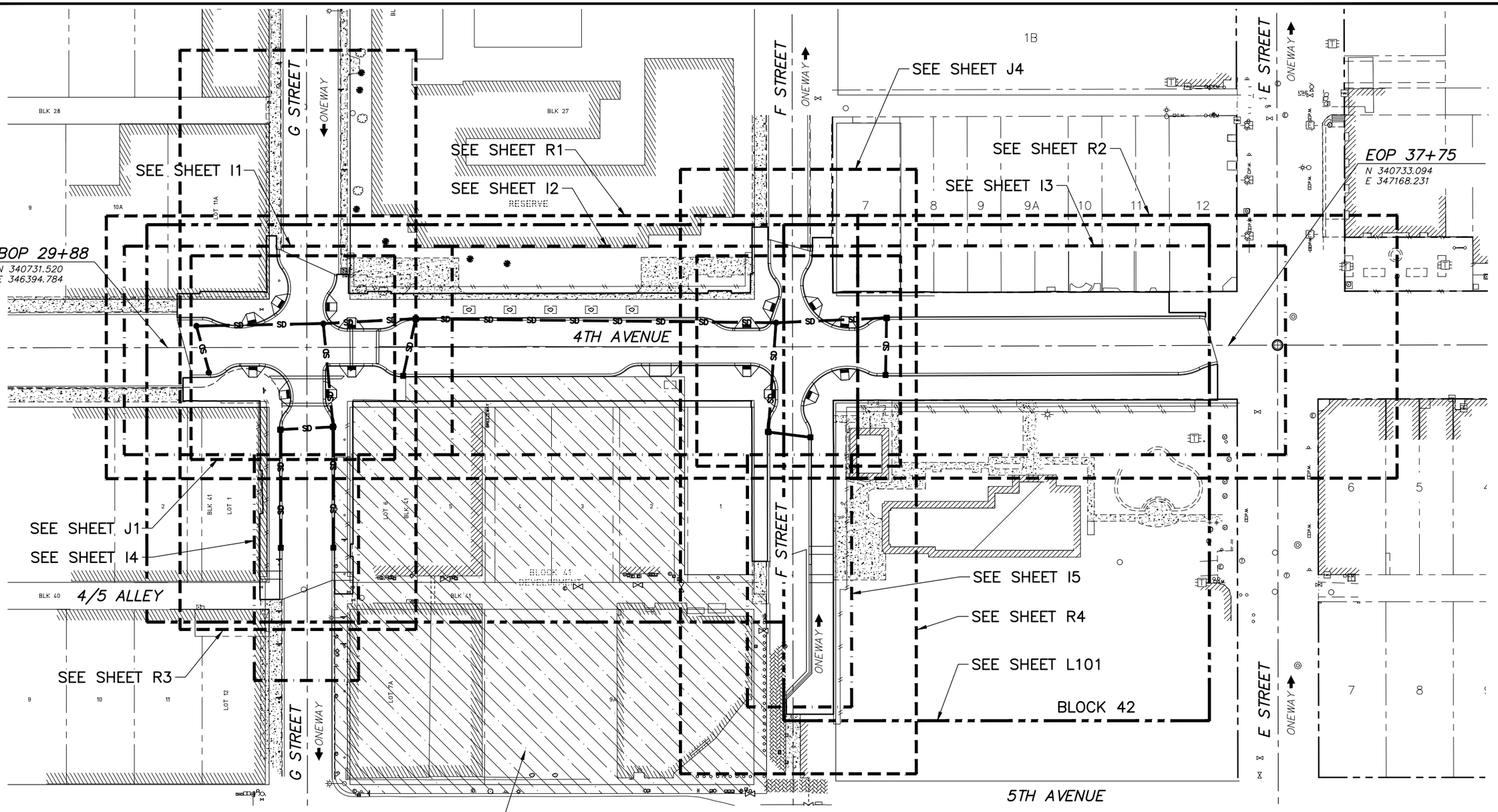
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE ALL

4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

LEGEND AND ABBREVATIONS

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET G3 of G9



1 / G4 SHEET LAYOUT
SCALE: NTS

95% Plans
Not for Construction

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_04_04_SHEET LAYOUT.dwg, 1:2, 5/16/24 at 18:00 by BRIAN.LEWIS

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

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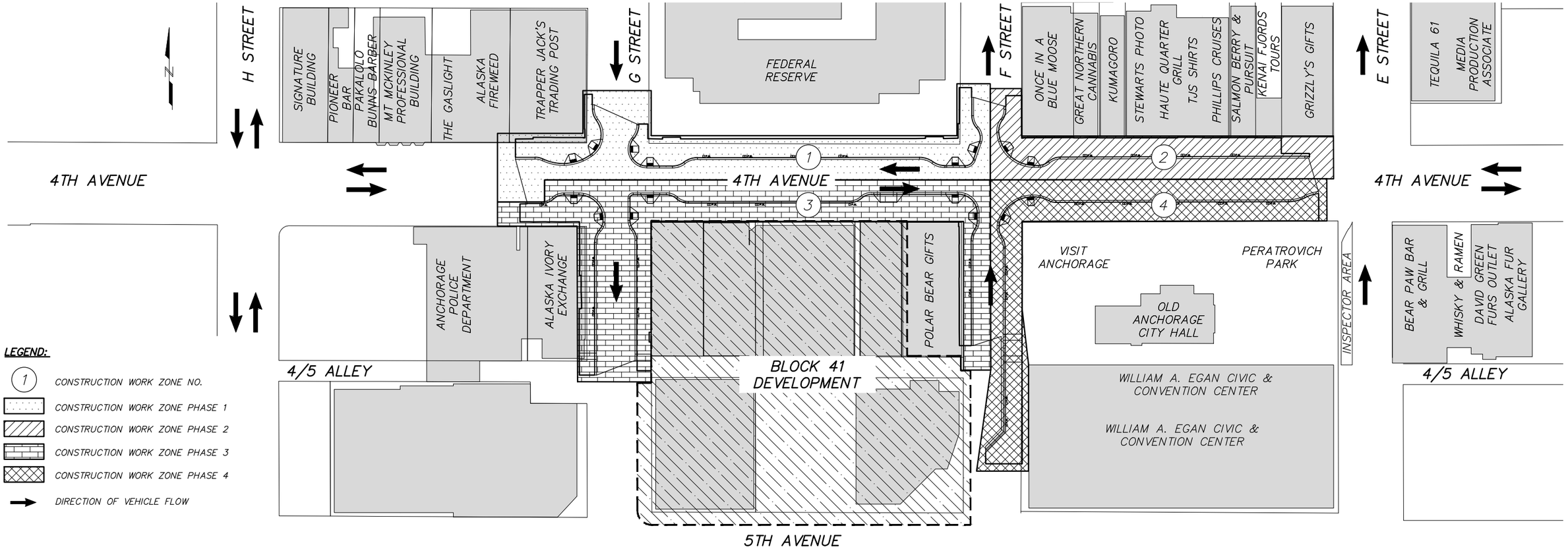
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE ALL
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SHEET LAYOUT

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET G4 of G9



LEGEND:

- (1) CONSTRUCTION WORK ZONE NO.
- CONSTRUCTION WORK ZONE PHASE 1
- CONSTRUCTION WORK ZONE PHASE 2
- CONSTRUCTION WORK ZONE PHASE 3
- CONSTRUCTION WORK ZONE PHASE 4
- DIRECTION OF VEHICLE FLOW

GENERAL NOTES FOR ALL CONSTRUCTION PHASES:

1. SEE PROJECT MANUAL FOR LANE AND ROADWAY CLOSURE RESTRICTIONS AND OTHER REQUIREMENTS.
2. MAINTAIN ADA COMPLAINT PEDESTRIAN ACCESS THROUGHOUT CONSTRUCTION, SEE PROJECT MANUAL AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.
3. TEMPORARY PROVISIONS FOR DIRECTING STORM WATER DRAINAGE INTO CATCH BASINS MAY BE REQUIRED.
4. THE CONTRACTOR SHALL DEVELOP PROJECT SPECIFIC TRAFFIC CONTROL PLANS (TCPs) FOR APPROVAL BY THE ENGINEER AND MOA TRAFFIC DEPARTMENT.
5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL, MOA STANDARD SPECIFICATIONS, PROJECT MANUAL, AND THE FINAL APPROVED TCP.
6. APPROVED TRAFFIC CONTROL PLANS SHALL APPLY TO ALL PROJECT IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO ROADWAY, SIGNALIZATION, LIGHTING, LANDSCAPE, AND STORM DRAIN.
7. WARNING LIGHTS SHALL BE USED TO MARK CHANNELIZATION DEVICES AND BARRICADES AT NIGHT AS NEEDED.
8. ALL SIGNS SHALL HAVE HIGH INTENSITY FLASHING WARNING LIGHT DEVICES MOUNTED ABOVE THE SIGN LEGEND.
9. SEE ALASKA TRAFFIC MANUAL (ATM) FOR ADDITIONAL INSTRUCTION AND/OR RESTRICTION ON THE USE OF TRAFFIC CONTROL DEVICES. THE ATM IS COMPRISED OF THE LATEST EDITIONS OF THE ALASKA TRAFFIC MANUAL SUPPLEMENT (ATMS) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). REFER THE LATEST EDITION OF ATM, FOR ALL TYPICAL DRAWINGS.
10. UNLESS OTHERWISE DIRECTED, CLASS "T" SIGNS AS DESIGNATED IN THE ALASKA SIGN DESIGN SPECIFICATION.
11. USE URBAN (LOW SPEED) FOR ADVANCE WARNING SIGN MINIMUM SPACING; AND S=30 MPH FOR SPACING OF SIGNS, CHANNELIZING DEVICES, AND TAPER LENGTHS.
12. SIGN AND CHANNELIZING DEVICE SPACING MAY BE LESS IF NECESSARY TO FIT BETWEEN BLOCKS.
13. SEE PROJECT MANUAL FOR ALLOWED WORK HOURS AND EXCEPTIONS.

PHASE 1 – NORTH SIDE OF 4TH AVENUE, G STREET TO F STREET:

A. SET UP DETOUR AND CLOSE 4TH AVENUE FROM G STREET TO E STREET
A. CLOSE G STREET AND F STREET
B. PROVIDE TEMPORARY NORTH/SOUTH PEDESTRIAN CROSSING WEST OF R&R PAVEMENT LIMITS
C. PROVIDE TEMPORARY ADA CURB RAMPS
D. ALLOW PEDESTRIANS TO USE SOUTH SIDE OF 4TH AVENUE
E. ALLOW PEDESTRIANS TO USE NORTH SIDE OF 4TH ON FEDERAL PROPERTY
F. DEMO SIDEWALK, C&G, CURB RAMPS, AND ASPHALT AS NEEDED TO INSTALL STORM DRAIN AND CONDUITS
G. F&I STORM DRAIN MANHOLES S–1, S–2, S–5, S–9, S–11
H. F&I STORM DRAIN PIPES P–1, P–2, P–7, P–9
I. F&I SIGNAL FOUNDATIONS, CONDUIT, AND JUNCTION BOXES
J. F&I LIGHT POLE FOUNDATIONS P1, P4, P5, P7, P9, P–12, P–14, P–17, STREET LIGHT POLE 1, LIGHTING JUNCTION BOXES, AND CONDUIT
K. F&I PARTIAL CONDUIT CROSSINGS OF 4TH AVENUE
L. F&I SOIL CELLS
M. F&I SOIL CELL CONDUIT
N. F&I RAISED TREE WELL RING
O. F&I C&G, CURB RAMPS, AND SIDEWALK
P. OPEN SIDEWALK TO PEDESTRIANS

PHASE 2 – NORTH SIDE OF 4TH AVENUE, F STREET TO E STREET:

A. MAINTAIN 4TH AVENUE CLOSURE FROM G STREET TO E STREET
B. MAINTAIN G STREET AND F STREET CLOSURES
C. ALLOW PEDS TO USE SOUTH SIDE OF 4TH AVENUE
D. ALLOW PEDESTRIANS TO USE NORTH SIDE SIDEWALK FROM G STREET TO F STREET
E. ALLOW PEDESTRIANS TO USE NORTH HALF OF SIDEWALK FROM F STREET TO E STREET
F. DEMO SOUTH HALF OF SIDEWALK, C&G, CURB RAMPS, AND ASPHALT AS NEEDED TO INSTALL NEW C&G AND STORM DRAIN
G. F&I STORM DRAIN MANHOLE S–13
H. F&I SD PIPE P–12
I. F&I SIGNAL FOUNDATIONS, CONDUIT, AND JBOXES
J. F&I LIGHT POLE FOUNDATIONS P21, P23, P24, P26, P28, LIGHTING JUNCTION BOXES, AND CONDUIT
K. PROVIDE PEDESTRIAN DETOUR IN ON–STREET PARKING LANE AND PROVIDE TEMPORARY ADA CURB RAMPS & PEDESTRIAN RAMPS AS NECESSARY TO PROVIDE BUSINESS ACCESS
L. DEMO NORTH HALF OF SIDEWALK
M. F&I SOIL CELLS
N. F&I SOIL CELL CONDUIT
O. F&I RAISED TREE WELL RING
P. F&I C&G, CURB RAMPS, AND SIDEWALK
Q. OPEN SIDEWALK TO PEDESTRIANS

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PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
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SEAL

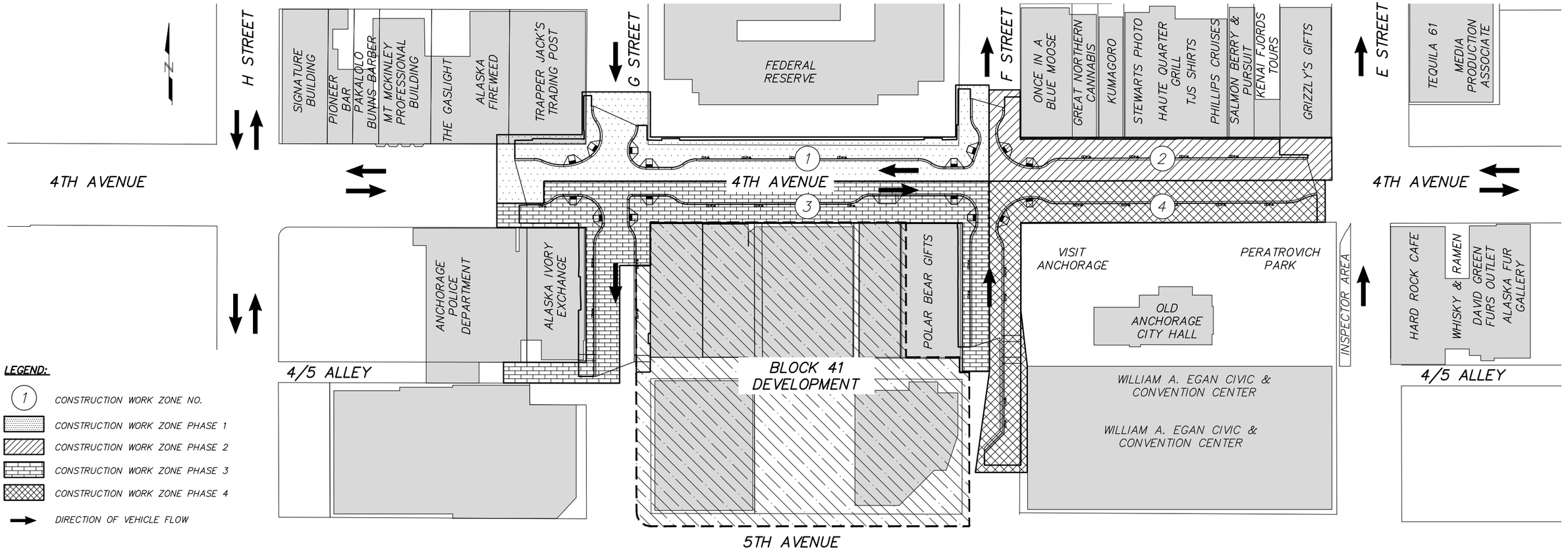
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

CONSTRUCTION PHASING

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET G5 of G9



LEGEND:

- (1) CONSTRUCTION WORK ZONE NO.
- CONSTRUCTION WORK ZONE PHASE 1
- CONSTRUCTION WORK ZONE PHASE 2
- CONSTRUCTION WORK ZONE PHASE 3
- CONSTRUCTION WORK ZONE PHASE 4
- DIRECTION OF VEHICLE FLOW

PHASE 3 – SOUTH SIDE OF 4TH AVENUE, G STREET TO F STREET PHASES:

A. MAINTAIN 4TH AVENUE CLOSURE FROM G STREET TO E STREET
B. MAINTAIN G STREET AND F STREET CLOSURES
C. ALLOW PEDESTRIANS TO USE NORTH SIDE OF 4TH AVENUE
D. DEMO SIDEWALK, C&G, CURB RAMPS, AND ASPHALT AS NEEDED TO INSTALL STORM DRAIN AND CONDUITS
E. F&I STORM DRAIN MANHOLES S–3, S–4, S–6, S–8, S–10
F. F&I STORM DRAIN PIPES P–3, P–4, P–5, P–6, P–8, P–10
G. F&I FOUNDATIONS FOR LOAD CENTER "A" AND TRAFFIC SIGNAL CONTROLLER
H. F&I NEW SIGNAL FOUNDATIONS, CONDUIT, AND JUNCTION BOXES
I. F&I LIGHT POLE FOUNDATIONS P29, P30, P31, P35, P37, P16, LIGHTING JUNCTION BOXES, AND CONDUIT
J. F&I CONDUIT FROM BLOCK 41 LIGHT P6 JUNCTION BOX TO TRAFFIC JUNCTION BOX G3
K. F&I CONDUIT TO COMPLETE PARTIAL CONDUIT CROSSINGS OF 4TH AVENUE
L. F&I C&G, CURB RAMPS, AND SIDEWALK
M. F&I ELECTRICAL CABLES
N. F&I LOAD CENTER AND CONTROLLER CABINETS
O. F&I SIGNAL POLE AND LIGHTING STRUCTURES
P. OPEN SIDEWALK TO PEDESTRIANS

PHASE 4 – SOUTH SIDE OF 4TH AVENUE, F STREET TO E STREET:

A. MAINTAIN 4TH AVENUE CLOSURE FROM G STREET TO E STREET
B. MAINTAIN F STREET AND G STREET CLOSURES
C. ALLOW PEDESTRIANS TO USE NORTH SIDE OF 4TH AVENUE
D. DEMO SIDEWALK, C&G, CURB RAMPS, ASPHALT
E. ALLOW ENSTAR TO RELOCATE BLOCK 42 GAS LINE
F. F&I STORM DRAIN MANHOLES S–12, S–14
G. F&I STORM DRAIN PIPES P–11, P–13
H. F&I FOUNDATIONS FOR LOAD CENTER "B" AND TRAFFIC SIGNAL CONTROLLER
I. F&I NEW SIGNAL FOUNDATIONS, CONDUIT, AND JUNCTION BOXES
J. F&I LIGHT POLE FOUNDATIONS P32, P33, P34, P36, P18, P20, P25, P27, STREET LIGHT POLE 2, LIGHTING JUNCTION BOXES, AND CONDUIT
K. F&I C&G, CURB RAMPS, AND SIDEWALK
L. F&I ELECTRICAL CABLES
M. F&I LOAD CENTER AND CONTROLLER CABINETS
N. F&I SIGNAL POLE AND LIGHTING STRUCTURES
O. OPEN SIDEWALK TO PEDESTRIANS

PHASE 5 (ALL AREAS):

A. MAINTAIN 4TH AVENUE CLOSURE FROM G STREET TO E STREET
B. MAINTAIN F STREET AND G STREET CLOSURES
C. REMOVE REMAINING ASPHALT FROM ROADWAY
D. FINISH ROAD GRADE, COMPACT, AND PAVE 1ST AND 2ND ASPHALT LIFTS
E. INSTALL SIGNING AND PARKING METERS
F. PAINT CURB AND INSTALL STRIPING
G. MOA TO PROVIDE AND INSTALL TREES
H. F&I TREE PROTECTION
I. F&I BIKE RACKS
J. REMOVE ALL ROAD CLOSURES AND DETOUR AND OPEN TO TRAFFIC

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PLAN CHECK

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

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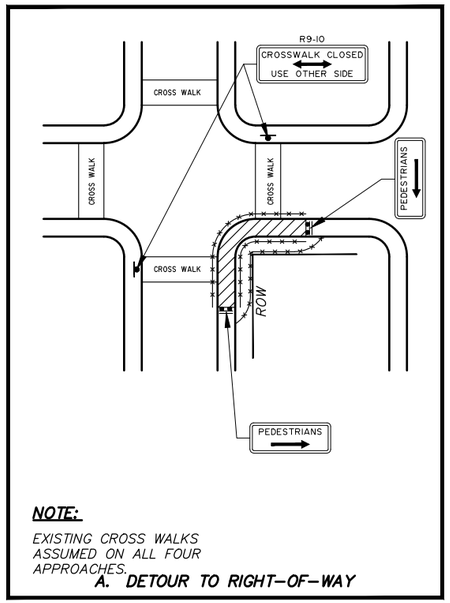
PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

CONSTRUCTION PHASING

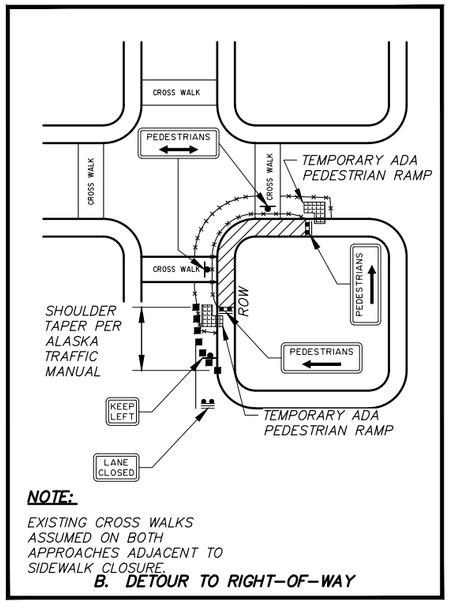
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET G6 of G9



NOTE:

EXISTING CROSS WALKS ASSUMED ON ALL FOUR APPROACHES.

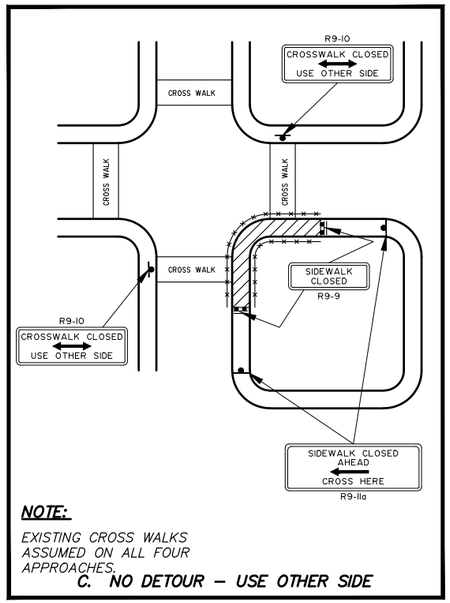
A. DETOUR TO RIGHT–OF–WAY



NOTE:

EXISTING CROSS WALKS ASSUMED ON BOTH APPROACHES ADJACENT TO SIDEWALK CLOSURE.

B. DETOUR TO RIGHT–OF–WAY



NOTE:

EXISTING CROSS WALKS ASSUMED ON ALL FOUR APPROACHES.

C. NO DETOUR – USE OTHER SIDE

1 G7 **TYPICAL SIDEWALK CLOSURE AT INTERSECTIONS**

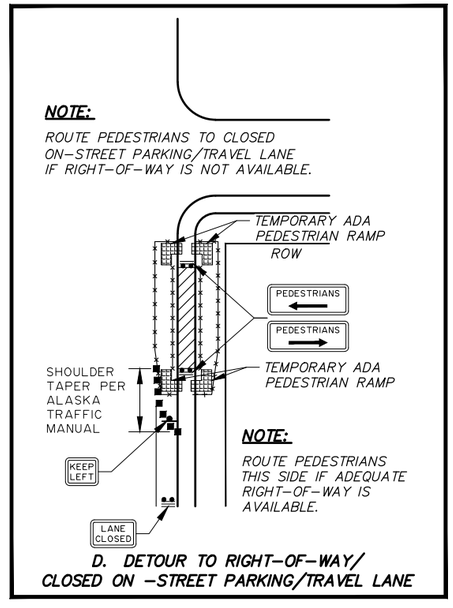
SCALE: NTS

NOTE:

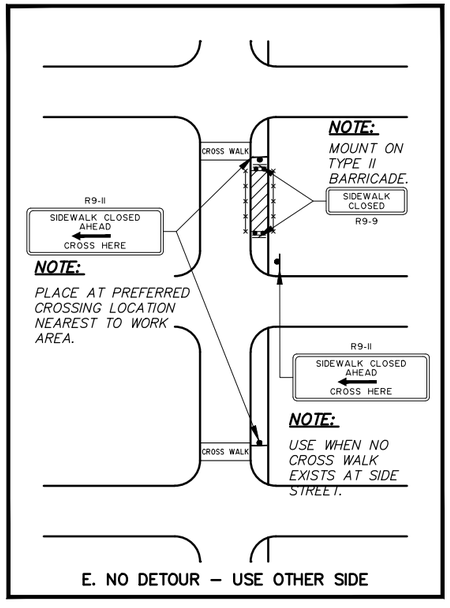
1. LETTER SIZES ARE 3" UPPER CASE, SERIES C.
2. WHENEVER PEDESTRIAN TRAFFIC CONTROL DEVICES ARE NOT IN PLACE OR ARE REMOVED TEMPORARILY TO ACCOMMODATE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL PROVIDE A WORKER TO DIRECT PEDESTRIANS ALONG THE PROPER ROUTE.
3. WHERE ROADWAYS ARE OPEN TO TRAFFIC USE WARNING LIGHTS IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL DURING HOURS OF DARKNESS.
4. OPENINGS IN CHANNELIZING DEVICES SHALL BE REQUIRED TO PROVIDE PEDESTRIAN ACCESS TO ADJACENT PROPERTIES.
5. ALL SURFACES SHALL BE ASPHALT, CONCRETE OR PLYWOOD.
6. SIDEWALKS ON ADJACENT SIDES OF THE ROAD WAY SHALL NOT BE CLOSED SIMULTANEOUSLY.

LEGEND

- TYPE II BARRICADE
- TYPE III BARRICADE
- ADA PEDESTRIAN BARRICADE
- SIGN
- TRAFFIC CONE
- WORK ZONE
- PEDESTRIAN FENCE



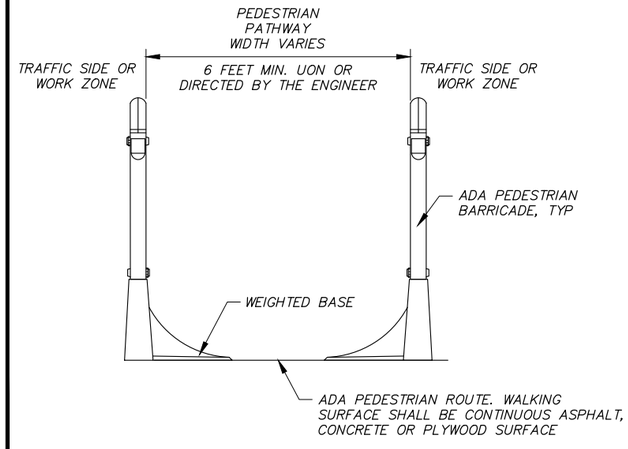
D. DETOUR TO RIGHT–OF–WAY/ CLOSED ON –STREET PARKING/TRAVEL LANE



E. NO DETOUR – USE OTHER SIDE

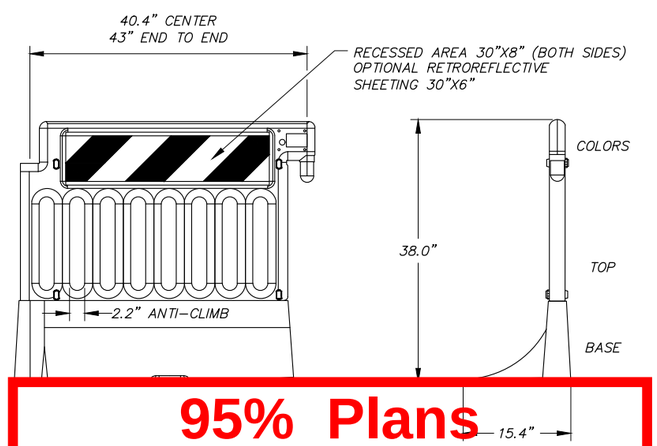
2 G7 **TYPICAL SIDEWALK CLOSURE AT MID–BLOCK LOCATIONS**

SCALE: NTS



3 G7 **TYPICAL SECTION PEDESTRIAN DETOUR**

SCALE: NTS



4 G7 **ADA PEDESTRIAN BARRICADE DETAIL**

SCALE: NTS

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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

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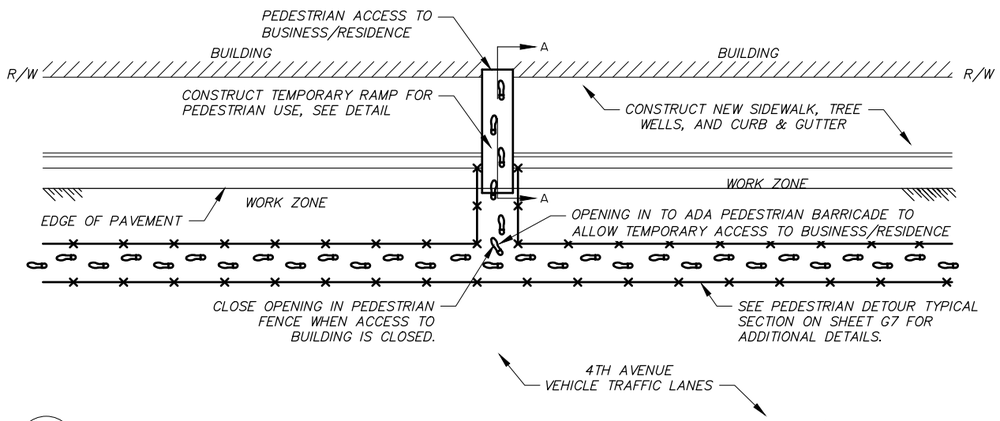
PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

WORK ZONE PEDESTRIAN CONTROL DETAILS

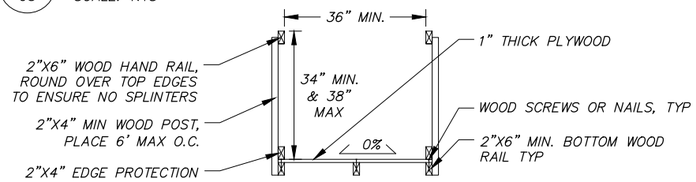
SCALE				SHEET
HOR. N/A	GRID 1230	DATE JUN 2024	G7	of G9
VER. N/A	STATUS: PRELIMINARY			

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_04_G7_PED CNTRL DTL.dwg, 1:2, 5/2/24 at 10:25 by ROBERT.HALCOMB

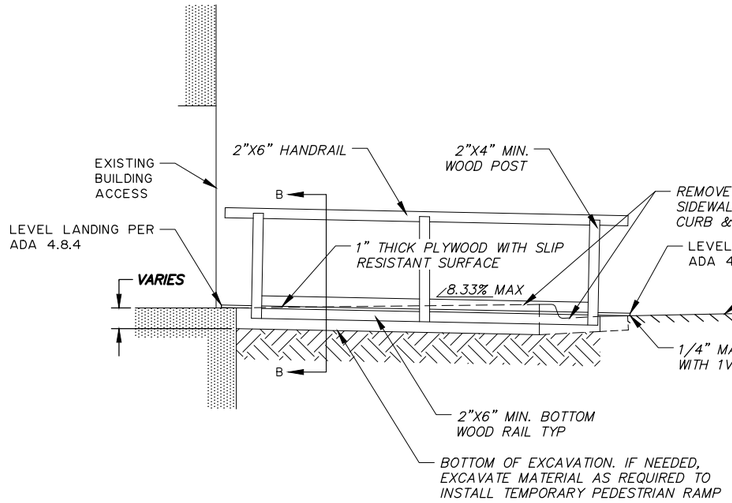


1 G8 TEMPORARY PEDESTRIAN STREET SIDE ACCESS TO BUSINESS/RESIDENCE

SCALE: NTS



SECTION B – B



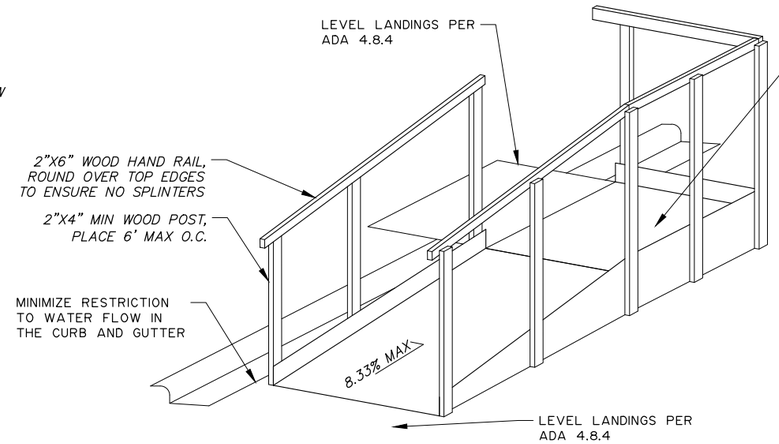
SECTION A – A

2 G8 TEMPORARY PORTABLE ADA PEDESTRIAN RAMP

SCALE: NTS

NOTES:

1. PROVIDE TEMPORARY PORTABLE ADA COMPLIANT PEDESTRIAN RAMP TO BRIDGE CONSTRUCTION WORK AND TO PROVIDE BUILDING ACCESS.
2. CONTRACTOR MAY SUBMIT AN ALTERNATE DESIGN FOR APPROVAL OR USE A PREFABRICATED ALUMINUM OR STEEL PORTABLE ADA PEDESTRIAN RAMP.
3. RAMP SHALL HAVE A MINIMUM 800 POUND WEIGHT CAPACITY, SKID RESISTANT WALKING SURFACE, 36" MINIMUM CLEAR WIDTH, HAND RAILS BETWEEN 34" AND 38" TALL, AND A MAXIMUM 12H:1V SLOPE. RAMP SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH RAMP IN ACCORDANCE WITH ADA 4.8.4.

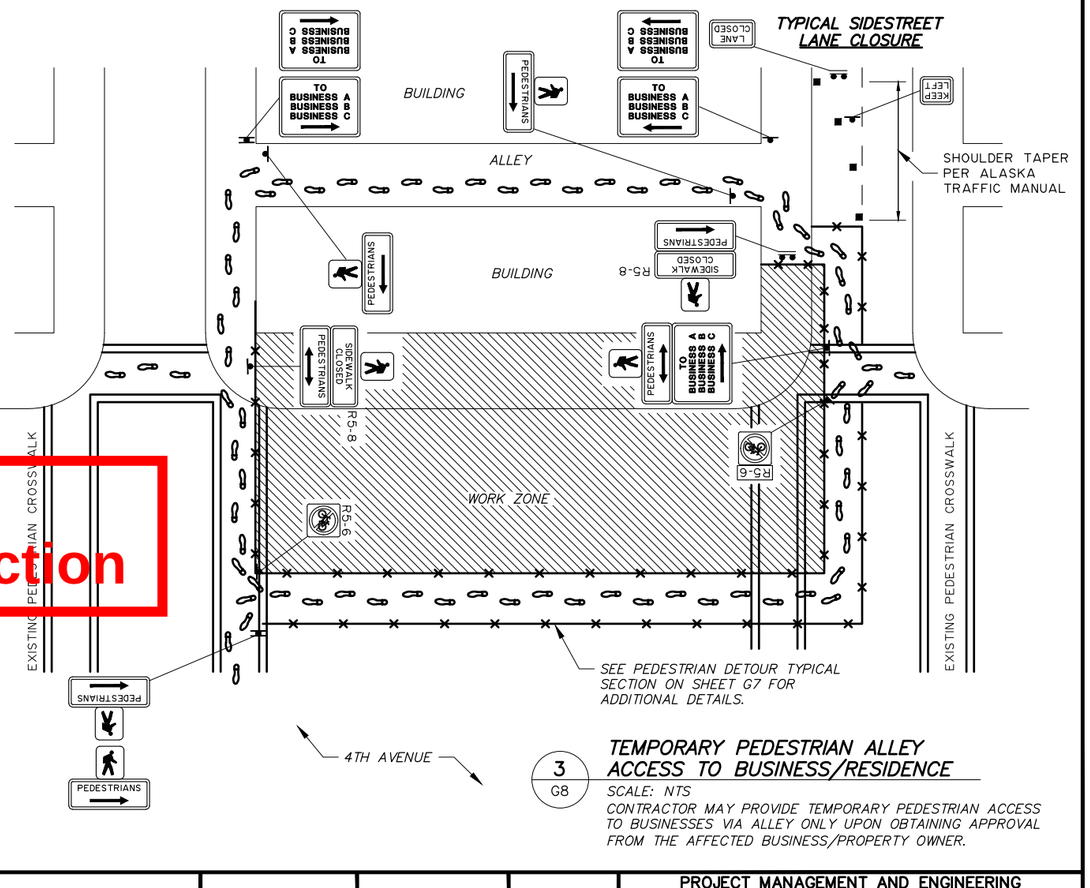


4 G8 TEMPORARY ADA PEDESTRIAN RAMP

SCALE: NTS

NOTE:

1. MAINTAIN PEDESTRIAN TRAFFIC ON EXISTING SIDEWALK WHENEVER POSSIBLE.
2. WHERE PEDESTRIANS NEED TO BE ROUTED LAY 2" OF RAP OR TEMPORARY PAVEMENT.



3 G8 TEMPORARY PEDESTRIAN ALLEY ACCESS TO BUSINESS/RESIDENCE

SCALE: NTS

CONTRACTOR MAY PROVIDE TEMPORARY PEDESTRIAN ACCESS TO BUSINESSES VIA ALLEY ONLY UPON OBTAINING APPROVAL FROM THE AFFECTED BUSINESS/PROPERTY OWNER.

LEGEND

- TYPE II BARRICADE
- TYPE III BARRICADE
- ADA PEDESTRIAN BARRICADE
- PEDESTRIAN FENCE
- SIGN
- TRAFFIC CONE
- WORK ZONE
- PEDESTRIAN DETOUR ROUTE

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PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

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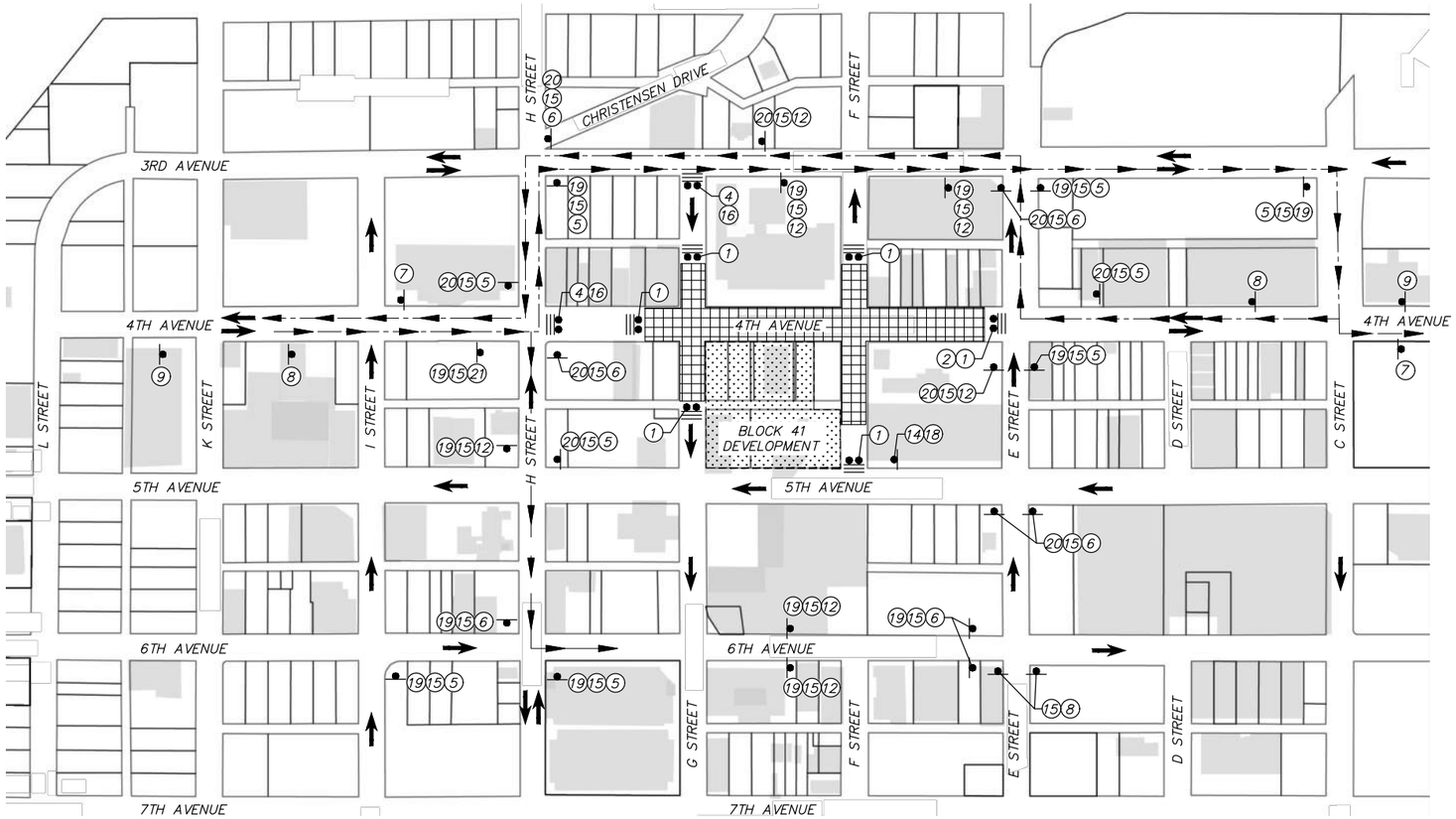
WORK ZONE PEDESTRIAN CONTROL DETAILS

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET G8 of G9



LEGEND

- TWO-WAY TRAFFIC
- ONE-WAY TRAFFIC
- DETOUR ROUTE
- SIGN
- TYPE-3 BARRICADE
- WORK ZONE

NOTE:

CONTRACTOR IS REQUIRED TO OBEY ALL TRAFFIC CONTROL AND DIRECTIONAL CONTROL SIGNS ON UNCLOSED ROADWAYS.

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1	ROAD CLOSED	R11-2
2	DETOUR	M4-10R
3	DETOUR	M4-10L
4	DETOUR	M4-10RL
5	DETOUR	M4-9R
6	DETOUR	M4-9L
7	END DETOUR	M4-8A
8	DETOUR AHEAD	CW20-2F
9	ROAD CLOSED AHEAD	CW20-3F
10	DETOUR	
11	DETOUR	
12	DETOUR	
13	G ST	
14	F ST	
15	4TH AVE	
16	ROAD CLOSED TO THRU TRAFFIC	R11-4
17		R3-2L
18		R3-2R
19	EAST BOUND	
20	WEST BOUND	
21	DETOUR	
22	DETOUR	

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
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BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS

CONSTRUCTION RECORD

TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

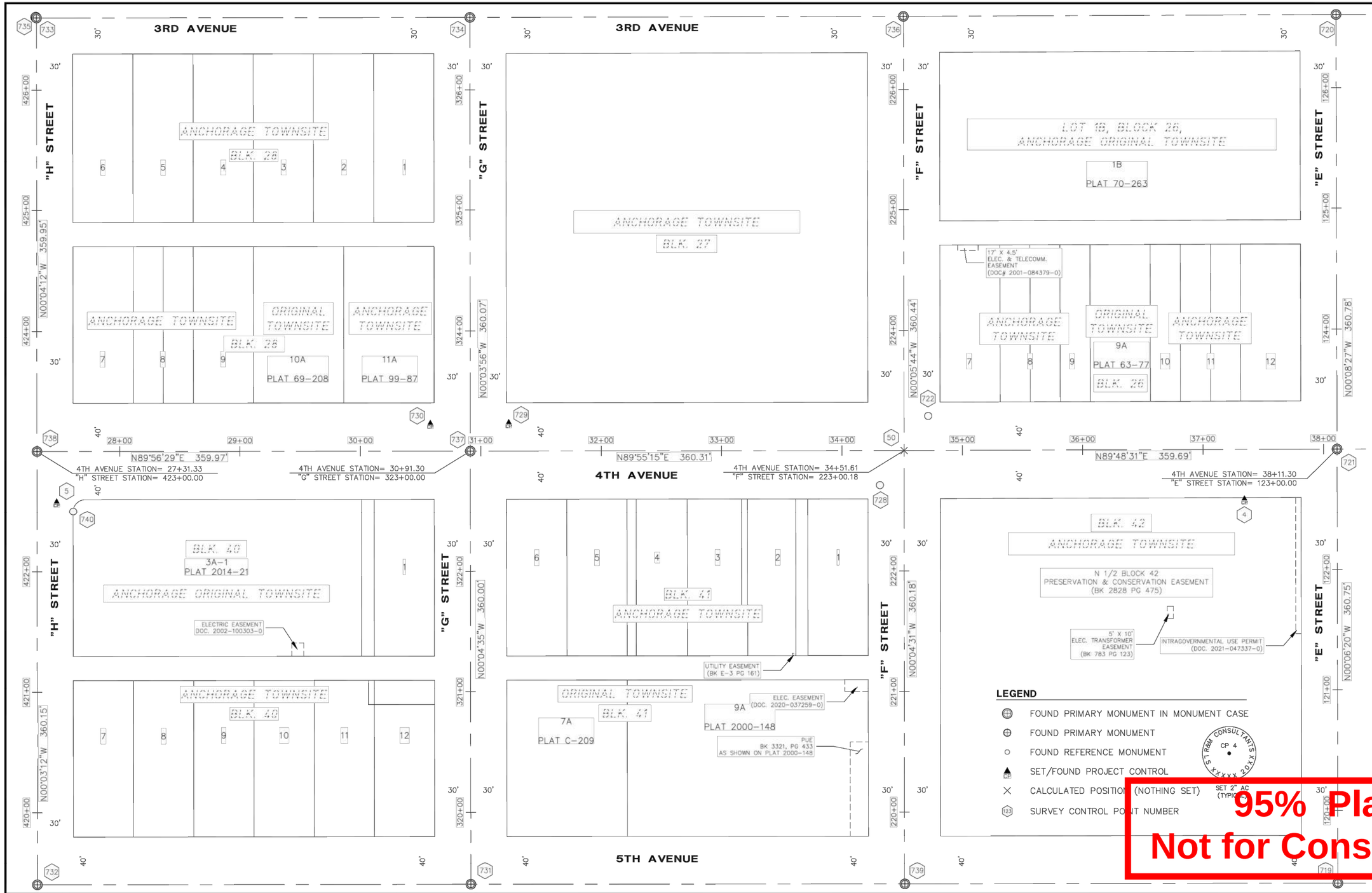
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULES X

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

4TH AVENUE ROAD CLOSURE WITH DETOUR

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET G9 of G9



95% Plans
Not for Construction

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TOPOGRAPHY
PROFILE
STORM SEWER
WATER/SANITARY SEWER
GAS
TELEPHONE/CABLE TV
ELECTRIC
DESIGN
QUANTITIES
PRELIMINARY/FINAL
MUNI. FINAL CHECK
PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.
3770	B-74	555 CORDOVA STREET	111.20'
	CB-02F	731 8TH AVENUE	103.90'

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

R&M AECC111
9101 Vanguard Drive,
Anchorage, Alaska, 99507
PH (907) 522-1707
www.rmconsult.com
CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE ALL

4TH AVENUE SIGNALS AND LIGHTING UPGRADES – G STREET TO E STREET

SURVEY CONTROL

SCALE HOR. 1"=40' VER. N/A | GRID SW1230 | DATE MAY 2024 | 95% SUBMITTAL | SHEET V1 of V3

NOTES

1. THE FIELD SURVEY WAS PERFORMED BY R&M CONSULTANTS, INC. (R&M) BETWEEN JULY 18, 2022 THROUGH AUGUST 8, 2022. FIELD SURVEY INFORMATION IS LOCATED IN MOA FIELD BOOK NO. 3793, PAGES 3 THROUGH 51.
2. NO TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING TITLE TO THE SUBJECT PROPERTY HAS BEEN PROVIDED. IT IS POSSIBLE THAT THERE ARE DEEDS, EASEMENTS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE PROPERTY DEPICTED HEREON.
3. THIS PROJECT IS LOCATED ENTIRELY WITHIN THE ANCHORAGE BOWL 2000 ADJUSTMENT, A LOCAL SURFACE GRID COORDINATE SYSTEM EXPRESSED IN U.S. SURVEY FEET UNITS DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION.
4. THE BASIS OF COORDINATES FOR BOWL 2000 IS NGS STATION O'MALLEY, LOCATED NEAR THE INTERSECTION OF THE NEW SEWARD HIGHWAY AND O'MALLEY ROAD. SAID STATION HAS ANCHORAGE BOWL 2000 COORDINATES OF 303939.2310 N, 353362.5446 E. (U.S. SURVEY FEET).
5. THE PROJECT BASIS OF COORDINATES IS POINT NUMBER 706, A FOUND 2 INCH BRASS CAP SET INSIDE A CONCRETE FILLED IRON PIPE ALL SET WITHIN A MONUMENT CASE LOCATED AT THE INTERSECTION OF 4TH AVENUE AND B STREET. THE RECORD COORDINATES ARE BASED UPON THE ADOT SURVEY CONTROL DIAGRAM RECORDED AS 2014–122 WITHIN THE ANCHORAGE RECORDING DISTRICT.
6. THE BASIS OF BEARINGS IS A LOCAL PLANE BEARING BETWEEN NGS STATION O'MALLEY AND NGS STATION LOOP 2 USE RM 3 1964. NGS STATION LOOP 2 USE RM 3 1964 BEARS N 01°43'26.4" E A DISTANCE OF 49488.4476 FEET FROM NGS STATION O'MALLEY. NGS STATION LOOP 2 USE RM 3 1964 HAS ANCHORAGE BOWL 2000 COORDINATES OF 353405.2778 N, 354851.3982 E. (U.S. SURVEY FEET).
7. TO CONVERT THE LOCAL COORDINATES TO NAD83 (92) STATE PLANE COORDINATES EXPRESSED IN U.S. SURVEY FEET, TRANSLATE USING +2296868.6878 N USF, +1312517.4904 E USF, AND SCALE USING 0.9998910192.
8. THE VERTICAL DATUM IS THE MUNICIPALITY OF ANCHORAGE (M.O.A.) VERTICAL DATUM 1972 N.G.S. ADJUSTMENT. THE BASIS OF VERTICAL CONTROL IS M.O.A. BENCH MARK: "B 74", ELEVATION = 111.20 FEET. THE ELEVATION OF SAID BENCH MARK WAS VERIFIED BY RUNNING A DIFFERENTIAL LEVEL LOOP TO BENCH MARK "CB–02F", ELEVATION = 103.90', SAID LOOP CLOSED WELL WITHIN THE TOLERANCE AS DEFINED WITHIN THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS. ALL PROJECT ELEVATIONS WERE DETERMINED BY DIFFERENTIAL LEVEL LOOPS PERFORMED BY R&M CONSULTANTS, INC.
9. THE ALIGNMENTS SHOWN HEREON REPRESENT THE RIGHT OF WAY CENTERLINE FOR THE STREETS.
10. THE STATIONING ALONG 4TH AVENUE AS SHOWN HEREON IS BASED UPON THE PREVIOUS PHASE OF THE PROJECT.

4TH AVENUE COORDINATE SCHEDULE

No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
738	340731.20	346140.12	27+31.33	0.00	FOUND ALCAP IN MON CASE
5	340689.65	346156.46	27+47.63	41.57	SET REBAR W/ ALUM. CAP
740	340681.26	346170.20	27+61.36	49.97	FOUND ALCAP
730	340754.82	346466.86	30+58.09	–23.28	FOUND BCMON
737	340731.57	346500.09	30+91.30	0.00	FOUND ALCAP IN MON CASE
729	340755.46	346532.00	31+23.25	–23.84	FOUND BC MON
728	340703.37	346840.36	34+31.53	28.67	FOUND BCMON RP 1
50	340732.07	346860.40	34+51.61	0.00	CALC POSITION NOTHING SET
722	340760.77	346880.44	34+71.74	–28.63	FOUND BCMON RP 2
4	340692.20	347143.15	37+34.23	40.81	SET REBAR W/ ALUM. CAP
721	340733.27	347220.08	38+11.30	0.00	FOUND ALCAP IN MON CASE

"E" STREET COORDINATE SCHEDULE

No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
719	340372.51	347220.75	119+39.25	0.00	FOUND PLASTIC CAP IN MON CASE
721	340733.27	347220.08	123+00.00	0.00	FOUND ALCAP IN MON CASE
720	341094.05	347219.20	126+60.78	0.00	FOUND BCMON IN MON CASE

"F" STREET COORDINATE SCHEDULE

No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
739	340371.88	346861.05	219+40.00	0.18	FOUND ALCAP IN MON CASE
728	340703.37	346840.36	222+71.51	–20.08	FOUND BCMON RP 1
50	340732.07	346860.40	223+00.18	0.00	CALC POSITION NOTHING SET
722	340760.77	346880.44	223+28.85	20.09	FOUND BCMON RP 2
736	341092.51	346859.80	226+60.62	0.00	FOUND ALCAP IN MON CASE

"G" STREET COORDINATE SCHEDULE

No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
731	340371.57	346500.57	319+40.00	0.00	FOUND ALCAP IN MON CASE
737	340731.57	346500.09	323+00.00	0.00	FOUND ALCAP IN MON CASE
730	340754.82	346466.86	323+23.29	–33.20	FOUND BCMON
729	340755.46	346532.00	323+23.85	31.94	FOUND BCMON
734	341091.64	346499.67	326+60.07	0.00	FOUND ALCAP IN MON CASE

"H" STREET COORDINATE SCHEDULE

No.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
732	340371.05	346140.45	419+39.85	0.00	FOUND ALCAP IN MON CASE
740	340681.26	346170.20	422+50.03	30.04	FOUND ALCAP IN MON CASE
5	340689.65	346156.46	422+58.43	16.31	SET ALUM. CAP IN SIDEWALK
738	340731.20	346140.12	423+00.00	0.00	FOUND ALCAP IN MON CASE
733	341091.15	346139.68	426+59.95	0.00	FOUND ALCAP
735	341091.84	346139.05	–	–	FOUND REBAR IN MON CASE

95% Plans
Not for Construction

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PLAN CHECK

DATA
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TOPOGRAPHY
PROFILE
STORM SEWER
WATER/SANITARY SEWER
GAS
TELEPHONE/CABLE TV
ELECTRIC
DESIGN
QUANTITIES
PRELIMINARY/FINAL
MUNI. FINAL CHECK

CONSTRUCTION RECORD

FIELD BOOKS
3770

VERTICAL DATUM

TBM NO.	LOCATION	ELEV.
B–74	555 CORDOVA STREET	111.20'
CB–02F	731 8TH AVENUE	103.90'

REVISIONS

REV	DATE	DESCRIPTION	BY

AECC111
9101 Vanguard Drive,
Anchorage, Alaska, 99507
PH (907) 522-1707
www.rmconsult.com

CONSULTANT

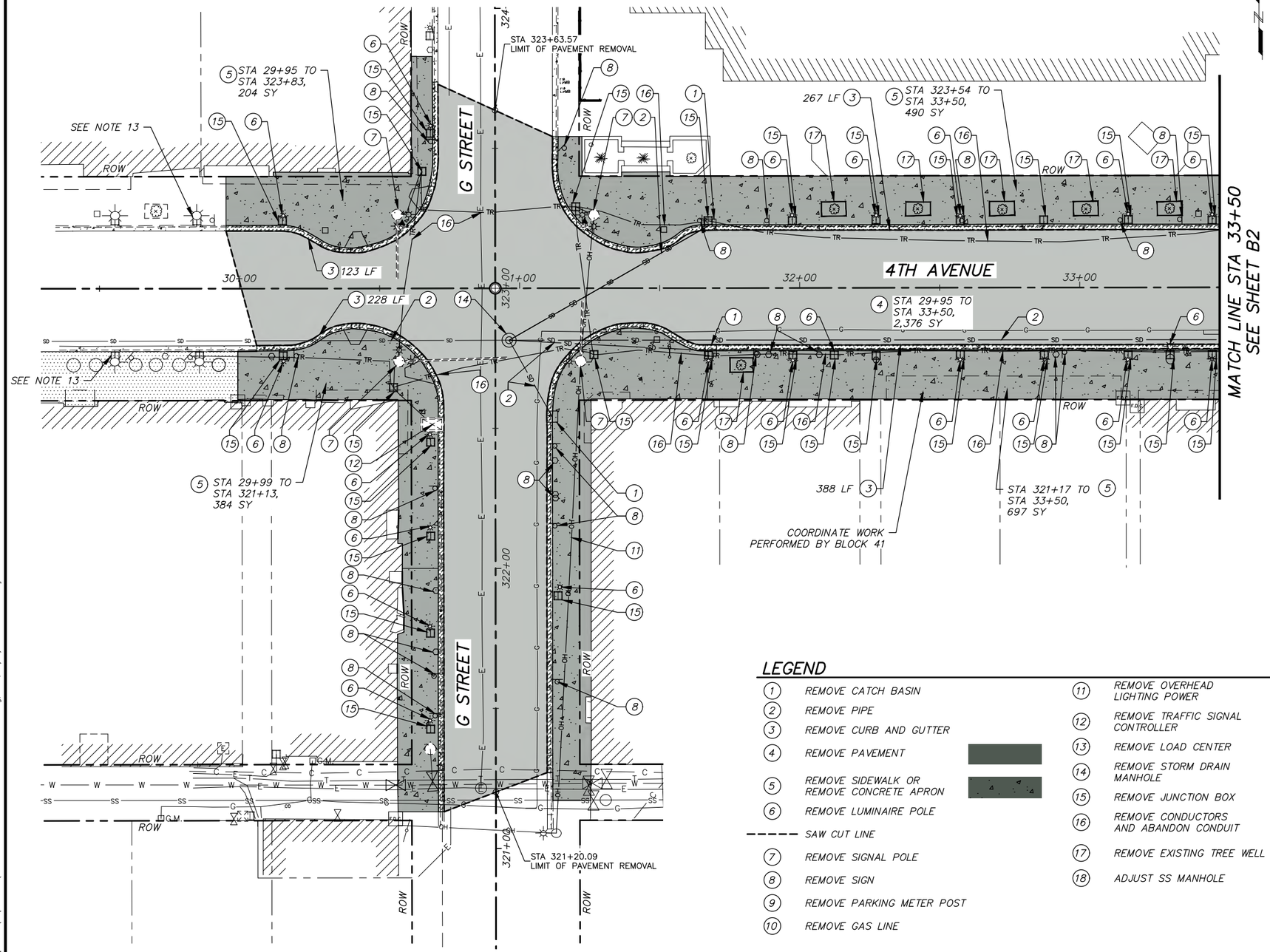
SEAL

MUNICIPALITY OF ANCHORAGE
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE ALL
4TH AVENUE SIGNALS AND LIGHTING UPGRADES – G STREET TO E STREET

SURVEY CONTROL

SCALE HOR. 1"=40' VER. N/A | GRID SW1230 | DATE MAY 2024 | 95% SUBMITTAL | SHEET V2 of V3



GENERAL DEMOLITION NOTES:

1. THERE ARE NUMEROUS UNDERGROUND AND OVERHEAD UTILITIES IN THE WORK AREA. USE CAUTION DURING ALL WORK ACTIVITIES.
2. CONTRACTOR SHALL MAINTAIN A NUMBER OF TRAFFIC LANES REQUIRED IN THE SPECIFICATIONS FOR TRAFFIC DURING CONSTRUCTION ACTIVITIES. IF FULL ROAD CLOSURES ARE NECESSARY TO COMPLETE INDIVIDUAL PHASES OF WORK, CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER. DO NOT IMPLEMENT THE TRAFFIC CONTROL WITHOUT THE APPROVAL OF THE MOA TRAFFIC DEPARTMENT.
3. UNLESS OTHERWISE DIRECTED BY OR APPROVED BY THE ENGINEER, EXCAVATION AND/OR TRENCHING WITHIN THE ROADWAY AND/OR SIDEWALK IS NOT PERMITTED TO REMAIN OPEN AFTER THE END OF EACH DAY'S WORK. THE CONTRACTOR SHALL ENSURE THAT ALL EXCAVATION AND/OR TRENCHING LOCATED WITHIN THE ROADWAY AND/OR SIDEWALK IS FULLY BACKFILLED AND THE ROADWAY AND/OR SIDEWALK IS OPEN TO VEHICLE AND/OR PEDESTRIAN TRAFFIC AT THE END OF EACH WORKDAY.
4. REMOVAL LIMITS ARE APPROXIMATE AS SHOWN ON DEMOLITION SHEETS. SEE CURB LAYOUT SHEETS AND TYPICAL SECTIONS FOR PROPOSED CONSTRUCTION LIMITS.
5. DEMOLITION FOR PRIVATE PROPERTY IMPROVEMENTS SHALL NOT OCCUR UNTIL THE CONTRACTOR IS READY TO IMMEDIATELY PROCEED WITH CONSTRUCTION OF THE PROPERTY IMPROVEMENTS. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER TO SCHEDULE THE PRIVATE PROPERTY WORK.
6. REMOVAL AND SALVAGE OF ALL SIGNS SHALL BE PER THE SIGN SALVAGE SCHEDULE. INCLUDED ARE THE REMOVAL AND SALVAGE OF ALL BASES AND ASSOCIATED HARDWARE TO BE DELIVERED TO THE MOA PAINT AND SIGN SHOP PER M.A.S.S. ENGINEER WILL IDENTIFY SIGN BASES THAT MAY BE RE-USED, IF ANY.
7. PROTECT EXISTING FEATURES IN PLACE THAT ARE NOT SCHEDULED TO BE REMOVED. CONTRACTOR SHALL REPAIR/REPLACE EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION OPERATIONS AT NO EXPENSE TO OWNER.
8. R&R BOUNDARIES FOR SIDEWALK AND CURB AND GUTTER ARE TO BE FIELD DETERMINED BY THE ENGINEER, ADDITIONAL WORK BEYOND WHAT IS CALLED OUT SHOULD BE EXPECTED.
9. WITHIN NAMED STREETS, SAWCUT EXISTING ASPHALT TO ACCOMMODATE A 15 TO 25 DEGREE SKEW AT TRANSVERSE JOINTS BETWEEN EXISTING AND PROPOSED PAVEMENT PER M.A.S.S. SECTION 40.06 ARTICLE 6.5 J, EXCEPT WHERE NOTED OTHERWISE.
10. CONTRACTOR SHALL REMOVE AND REPLACE CONCRETE THRESHOLDS TO BUILDINGS IF THEY PROTRUDE INTO THE ROW, SIDEWALK, OR WORK AREA.
11. CONTRACTOR SHALL COORDINATE WITH MOA PARKS DEPARTMENT TO SALVAGE TREES AND IRISES FROM EXISTING TREE WELLS.
12. REMOVAL OF EXISTING CONDUIT, SIGNAL FOUNDATIONS, AND LIGHT POLE FOUNDATIONS SHALL BE INCIDENTAL TO OTHER WORK PER M.A.S.S. 80.28. CONTRACTOR SHALL LIKELY ENCOUNTER SEVERAL UNDOCUMENTED PREVIOUSLY ABANDONED IN-PLACE SIGNAL AND/OR LIGHTING FOUNDATIONS FROM PREVIOUS PROJECTS THAT SHALL LIKELY BE IN-CONFLICT WITH PROPOSED IMPROVEMENTS. CONTRACTOR SHALL REMOVE UNDER REMOVAL AND DISPOSAL OF PREVIOUSLY ABANDONED-IN-PLACE FOUNDATIONS. REMOVAL AND DISPOSAL OF ALL EXISTING AND PREVIOUSLY ABANDONED-IN-PLACE CONDUIT AND CONDUCTORS SHALL BE INCIDENTAL TO THE CONTRACT.
13. REMOVE EXISTING CONDUCTOR FEEDING LIGHT POLE FROM CONDUIT TO NEAREST LIGHT POLE TO THE WEST. REMOVE ABANDONED CONDUIT FROM JUNCTION BOX TO REMAIN. ENSURE THAT CIRCUITING TO THE WEST CONTINUES TO FUNCTION.
14. SALVAGE OF LOAD CENTERS, PEDESTRIAN LIGHT POLES, STREET LIGHT POLES, AND ALL LUMINARIES SHALL BE DELIVERED TO THE MOA POLE YARD.

LEGEND

1. REMOVE CATCH BASIN
2. REMOVE PIPE
3. REMOVE CURB AND GUTTER
4. REMOVE PAVEMENT
5. REMOVE SIDEWALK OR REMOVE CONCRETE APRON
6. REMOVE LUMINAIRE POLE

SAW CUT LINE

7. REMOVE SIGNAL POLE
8. REMOVE SIGN
9. REMOVE PARKING METER POST
10. REMOVE GAS LINE
11. REMOVE OVERHEAD LIGHTING POWER
12. REMOVE TRAFFIC SIGNAL CONTROLLER
13. REMOVE LOAD CENTER
14. REMOVE STORM DRAIN MANHOLE
15. REMOVE JUNCTION BOX
16. REMOVE CONDUCTORS AND ABANDON CONDUIT
17. REMOVE EXISTING TREE WELL
18. ADJUST SS MANHOLE

95% Plans
Not for Construction

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GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV.	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

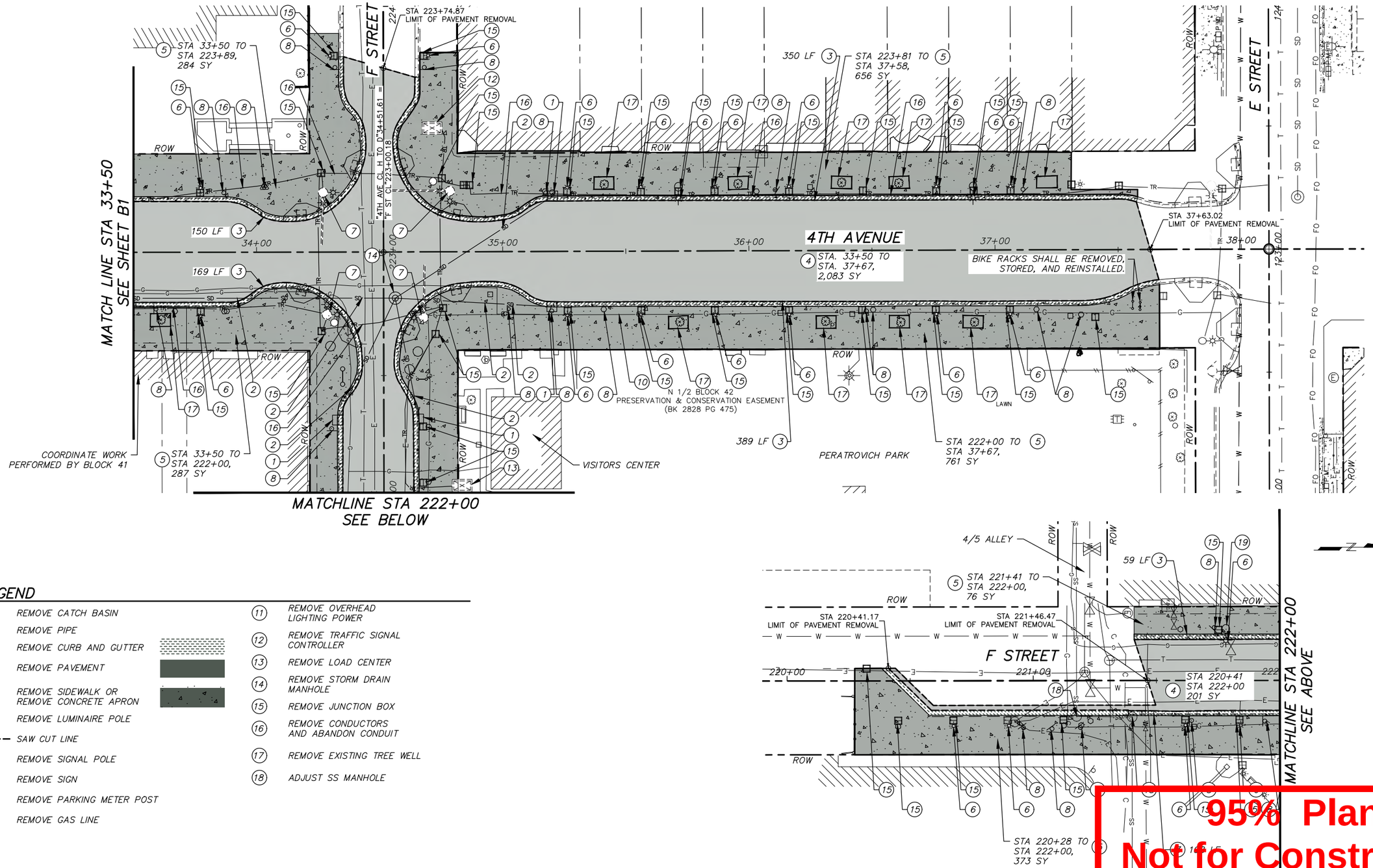
PROJECT NO. 21-22 SCHEDULE A, B & C
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

DEMOLITION PLAN

LOCATION DESC.

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET B1 of B2

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_B1-B2_DEMOLITION PLAN.dwg, 1:2, 5/9/24 at 12:14 by ROBERT.HALCOMB



LEGEND

1	REMOVE CATCH BASIN	11	REMOVE OVERHEAD LIGHTING POWER
2	REMOVE PIPE	12	REMOVE TRAFFIC SIGNAL CONTROLLER
3	REMOVE CURB AND GUTTER	13	REMOVE LOAD CENTER
4	REMOVE PAVEMENT	14	REMOVE STORM DRAIN MANHOLE
5	REMOVE SIDEWALK OR REMOVE CONCRETE APRON	15	REMOVE JUNCTION BOX
6	REMOVE LUMINAIRE POLE	16	REMOVE CONDUCTORS AND ABANDON CONDUIT
	SAW CUT LINE	17	REMOVE EXISTING TREE WELL
7	REMOVE SIGNAL POLE	18	ADJUST SS MANHOLE
8	REMOVE SIGN		
9	REMOVE PARKING METER POST		
10	REMOVE GAS LINE		

95% Plans
Not for Construction

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PLAN CHECK

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
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AECL 1102

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PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

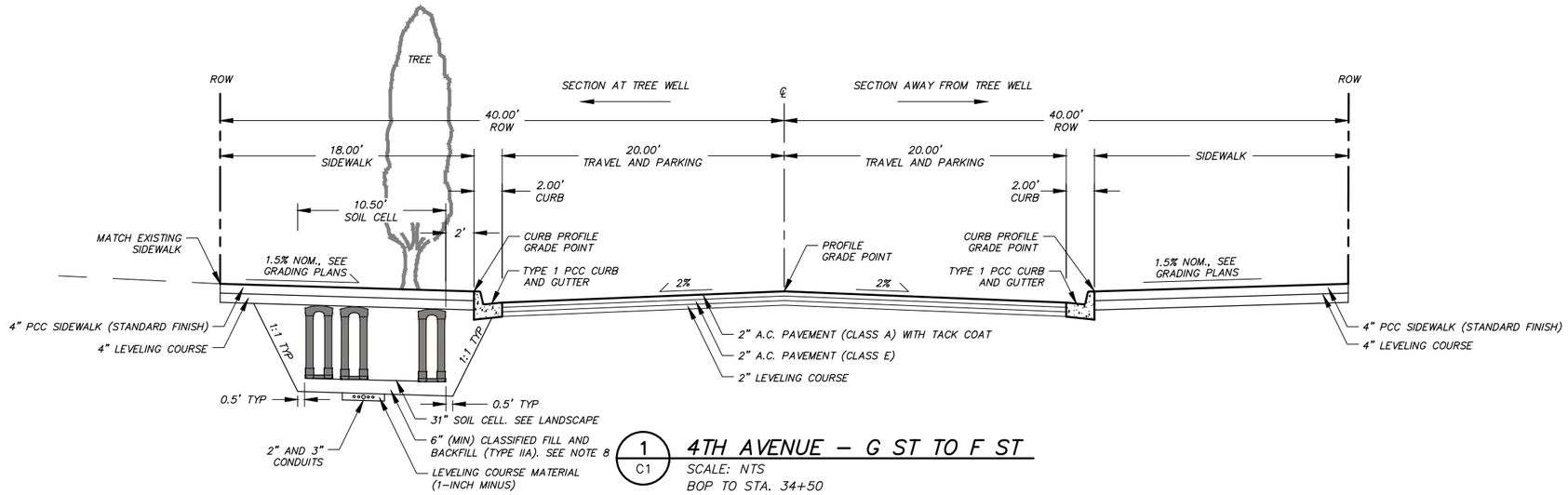
PROJECT NO. 21-22 SCHEDULE A, B & C

4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

DEMOLITION PLAN

LOCATION DESC.

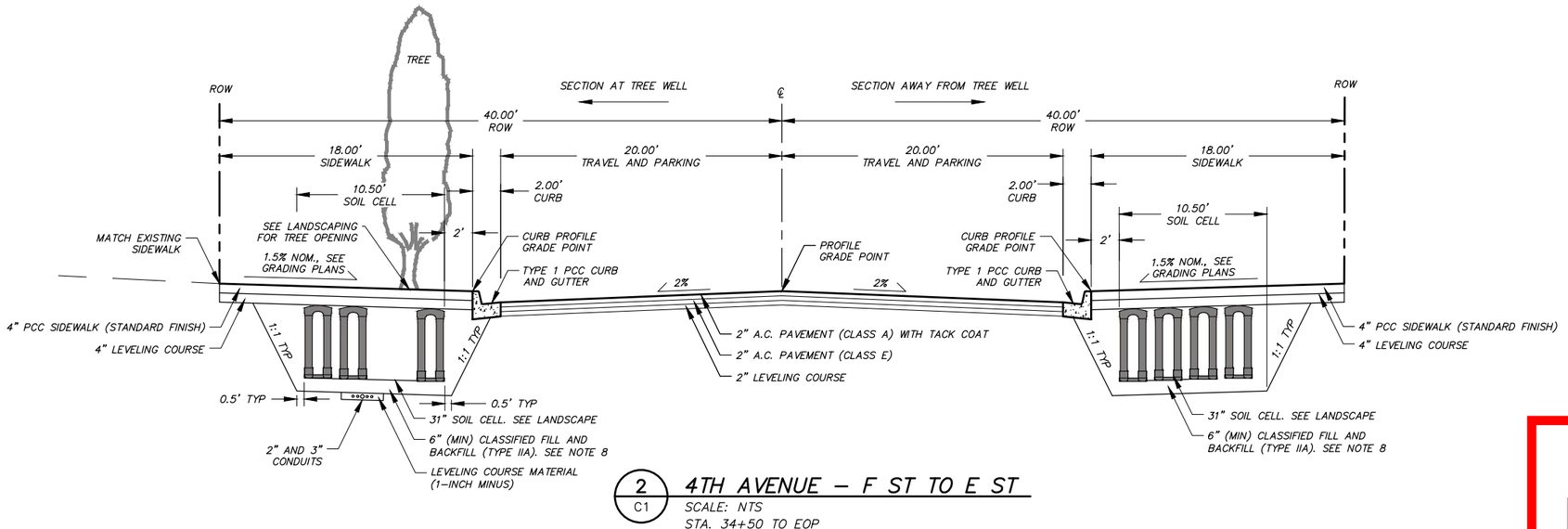
SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET B2 of B2



1 / C1 **4TH AVENUE – G ST TO F ST**

SCALE: NTS

BOP TO STA. 34+50



2 / C1 **4TH AVENUE – F ST TO E ST**

SCALE: NTS

STA. 34+50 TO EOP

NOTES:

1. CROSS SLOPES MAY VARY. SEE GRADING PLANS.
2. BACK OF SIDEWALK MATCH ELEVATIONS MAY VARY FROM EXISTING. SEE GRADING PLANS. MATCH EXISTING ELEVATION AT DOORWAYS.
3. THICKEN 4" PCC SIDEWALK TO 6" AT DRIVEWAYS AND ALLEYS. INCLUDE WELDED-WIRE MESH IN 6" CONCRETE.
4. PROVIDE CONSTANT GRADE BETWEEN PROFILE GRADE POINT AND LIP OF CURB UNLESS NOTED OTHERWISE ON GRADING PLANS.
5. REPAIR DAMAGE TO LAWN AREAS WITH TOPSOIL AND SOD. WHERE SIDEWALK REPLACEMENT OCCURS ADJACENT TO LAWN AREAS, INSTALL A 2-FOOT WIDE STRIP OF SOD AT BACK OF SIDEWALK, CUTTING BACK EXISTING TURF AS NECESSARY. IF SIDEWALK GRADE VARIES FROM EXISTING, MATCH INTO EXISTING AT 10:1 SLOPE.
6. SEE R SHEETS FOR LOCATION OF CURB TRANSITIONS.
7. ROAD CENTERLINE AND TOP BACK OF CURB ELEVATIONS ARE CONTROLLED BY INDEPENDENT PROFILES. SEE R SHEETS.
8. SOIL CELLS SHALL BE INSTALLED DIRECTLY ON SUBGRADE UNLESS THE ENGINEER DETERMINES CLASSIFIED FILL AND BACKFILL IS REQUIRED TO PROPERLY SUPPORT THE SOIL CELLS.

95% Plans
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PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

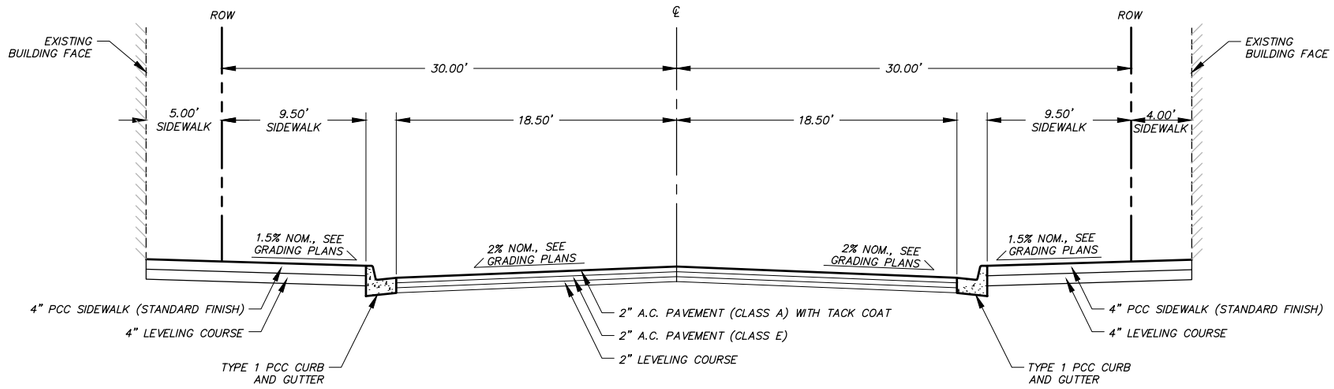
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

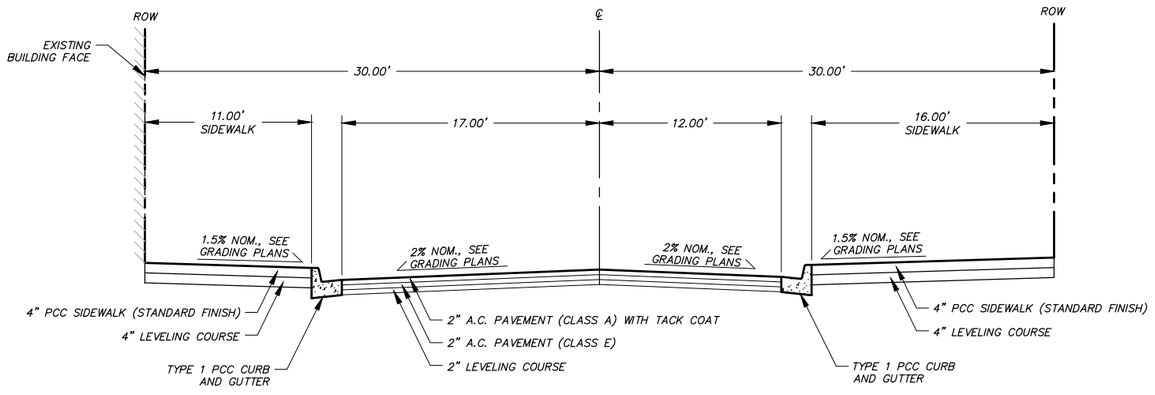
TYPICAL SECTIONS

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET C1 of C2

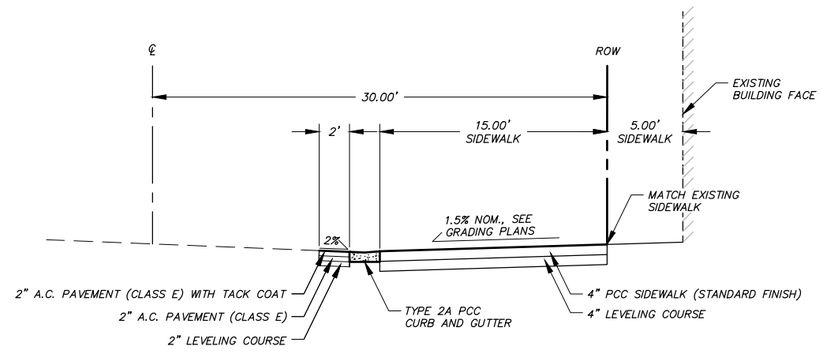


1 / C2 **G STREET**
SCALE: NTS
321+13 TO STA. 322+42

95% Plans
Not for Construction



2 / C2 **F STREET**
SCALE: NTS
STA. 221+46 TO 222+35



3 / C2 **F STREET**
SCALE: NTS
STA. 220+27 TO 221+46

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
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COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
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(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

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MUNICIPALITY OF ANCHORAGE

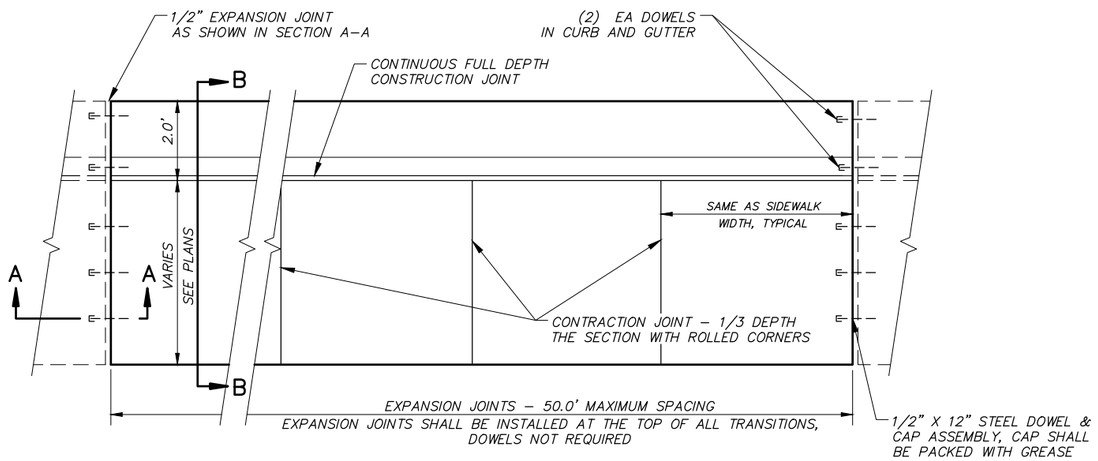
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

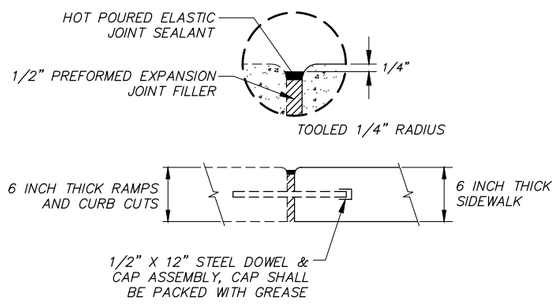
TYPICAL SECTIONS

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET C2 of C2

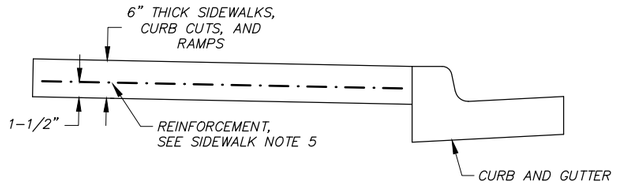
Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_05_C1_TYP SECTION.dwg, 1:2, 5/14/24 at 16:01 by BRIAN.LEWIS



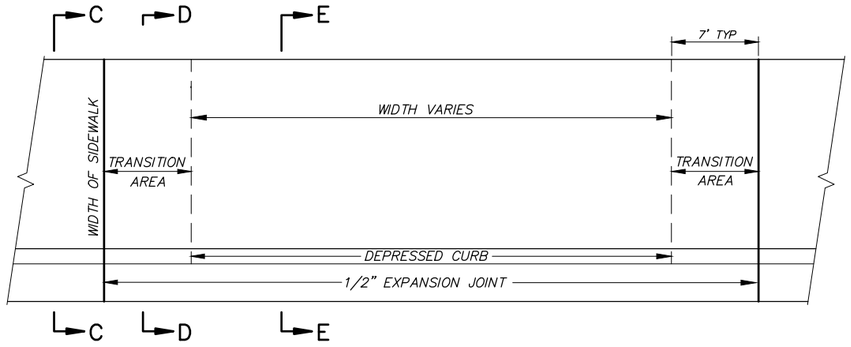
SIDEWALK PLAN
NTS

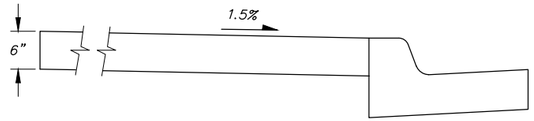


SECTION A–A
NTS

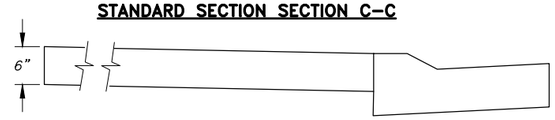


SECTION B–B
NTS

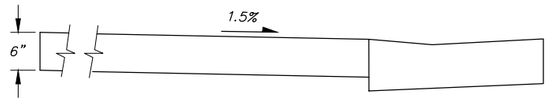




STANDARD SECTION SECTION C–C



TRANSISTION SECTION D–D



DEPRESSED SECTION E–E

VEHICULAR CURB CUT DETAILS
NTS

JOINT NOTES:

1. *INSTALL CONTINUOUS FULL DEPTH 1/8" CONSTRUCTION JOINT AT ALL LOCATIONS WHERE SIDEWALK AND CURB (ALL TYPES) MEET.*
2. *SEAL ALL EXPANSION JOINTS WITH HOT POURED ELASTIC TYPE JOINT SEAL CONFORMING TO AASHTO M173–60 REQUIREMENTS. RECESS SEALANT 1/4" BELOW THE FINISHED GRADE SURFACE.*
3. *INSTALL 1/2" CONSTRUCTION JOINT BETWEEN NEW CONCRETE AND ADJACENT POLES AND HYDRANTS.*
4. *EXPANSION AND CONSTRUCTION JOINTS IN SIDEWALK SHALL LINE UP WITH EXPANSION AND CONSTRUCTION JOINTS IN CURB.*
5. *ALL MATERIALS REQ'D SHALL BE SUBSIDIARY TO 30.02, 30.03, AND 30.04 PAY ITEMS.*

SIDEWALK NOTES:

1. *CURB CUTS AND RAMPS SHALL BE 6" THICK TO INCLUDE TRANSITIONS.*
2. *PROTECT CONCRETE DURING CURE TIME.*
3. *CONCRETE SHALL RECEIVE A MEDIUM BROOMED FINISH RUNNING PERPENDICULAR TO THE CURB RAMP RUNS AND UPPER LANDINGS AND PARALLEL TO DIRECTION OF TRAVEL ON LOWER LANDINGS.*
4. *FOR SIDEWALKS LARGER OR DIFFERENTLY CONFIGURED THAN SHOWN, PLACE EXPANSION AND CONTRACTION JOINTS AS DIRECTED BY ENGINEER.*
5. *TYPICAL SIDEWALK REINFORCEMENT SHALL BE 6" X 6" – W2.9 X W2.9 WWF. ALL STEEL SHALL BE SET ON SPACERS AND PULLED UP AS REQUIRED TO POSITION STEEL 1–1/2" FROM BOTTOM OF SIDEWALK.*
6. *SAWCUT ALL MATCH LINES WHERE NEW CONSTRUCTION OF PAVEMENT, SIDEWALK, OR CURBING ABUTS EXISTING FEATURES. WORK IS SUBISIDIARY TO 20.07 AND 20.08 PAY ITEMS.*

95% Plans
Not for Construction

RECORD DRAWING
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CONTRACTOR: _____
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BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

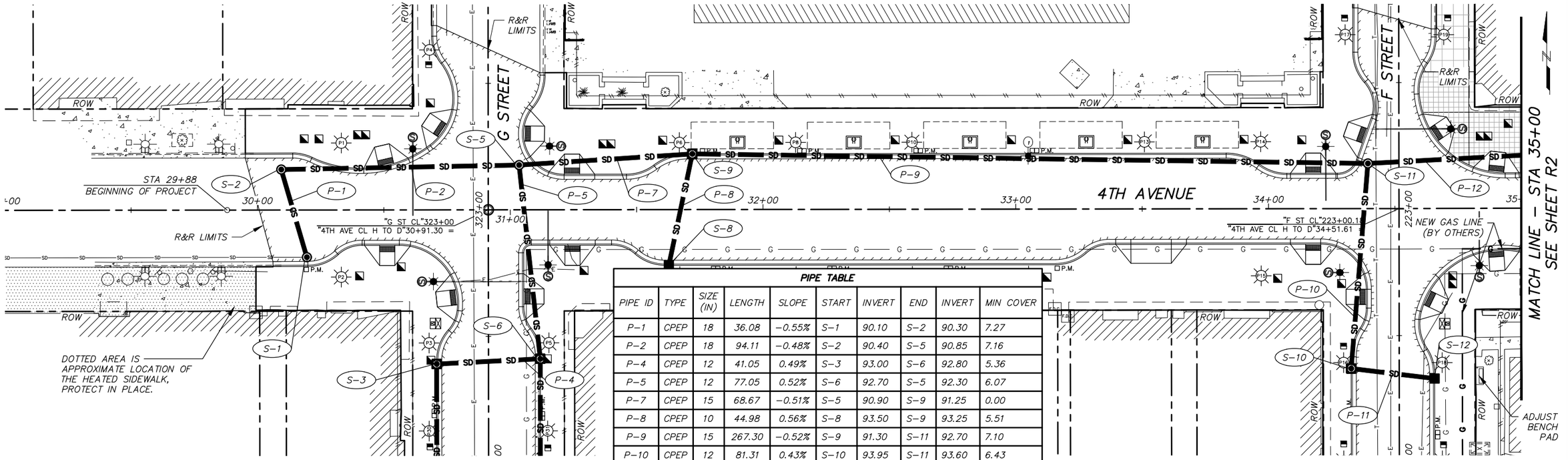
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

TYPICAL DETAILS

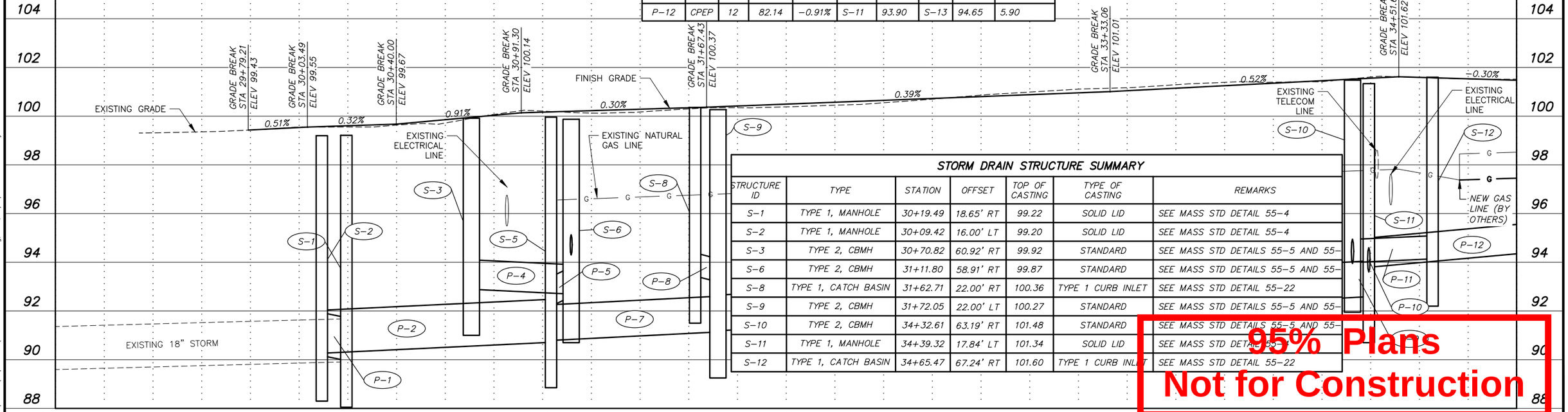
SCALE HOR. 1"=20'
VER. N/A
GRID 1230
DATE JUN 2024
STATUS: PRELIMINARY
SHEET C3 of C2

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_05_C3_TYP DETAIL.dwg, 1:2, 5/15/24 at 10:36 by BRIAN.LEWIS



PIPE TABLE

PIPE ID	TYPE	SIZE (IN)	LENGTH	SLOPE	START	INVERT	END	INVERT	MIN COVER
P–1	CPEP	18	36.08	–0.55%	S–1	90.10	S–2	90.30	7.27
P–2	CPEP	18	94.11	–0.48%	S–2	90.40	S–5	90.85	7.16
P–4	CPEP	12	41.05	0.49%	S–3	93.00	S–6	92.80	5.36
P–5	CPEP	12	77.05	0.52%	S–6	92.70	S–5	92.30	6.07
P–7	CPEP	15	68.67	–0.51%	S–5	90.90	S–9	91.25	0.00
P–8	CPEP	10	44.98	0.56%	S–8	93.50	S–9	93.25	5.51
P–9	CPEP	15	267.30	–0.52%	S–9	91.30	S–11	92.70	7.10
P–10	CPEP	12	81.31	0.43%	S–10	93.95	S–11	93.60	6.43
P–11	CPEP	10	33.24	–0.45%	S–10	94.05	S–12	94.20	6.05
P–12	CPEP	12	82.14	–0.91%	S–11	93.90	S–13	94.65	5.90



STORM DRAIN STRUCTURE SUMMARY

STRUCTURE ID	TYPE	STATION	OFFSET	TOP OF CASTING	TYPE OF CASTING	REMARKS
S–1	TYPE 1, MANHOLE	30+19.49	18.65' RT	99.22	SOLID LID	SEE MASS STD DETAIL 55–4
S–2	TYPE 1, MANHOLE	30+09.42	16.00' LT	99.20	SOLID LID	SEE MASS STD DETAIL 55–4
S–3	TYPE 2, CBMH	30+70.82	60.92' RT	99.92	STANDARD	SEE MASS STD DETAILS 55–5 AND 55–
S–6	TYPE 2, CBMH	31+11.80	58.91' RT	99.87	STANDARD	SEE MASS STD DETAILS 55–5 AND 55–
S–8	TYPE 1, CATCH BASIN	31+62.71	22.00' RT	100.36	TYPE 1 CURB INLET	SEE MASS STD DETAIL 55–22
S–9	TYPE 2, CBMH	31+72.05	22.00' LT	100.27	STANDARD	SEE MASS STD DETAILS 55–5 AND 55–
S–10	TYPE 2, CBMH	34+32.61	63.19' RT	101.48	STANDARD	SEE MASS STD DETAILS 55–5 AND 55–
S–11	TYPE 1, MANHOLE	34+39.32	17.84' LT	101.34	SOLID LID	SEE MASS STD DETAIL 55–4
S–12	TYPE 1, CATCH BASIN	34+65.47	67.24' RT	101.60	TYPE 1 CURB INLET	SEE MASS STD DETAIL 55–22

95% Plans
Not for Construction

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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO. AECL 1102

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MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

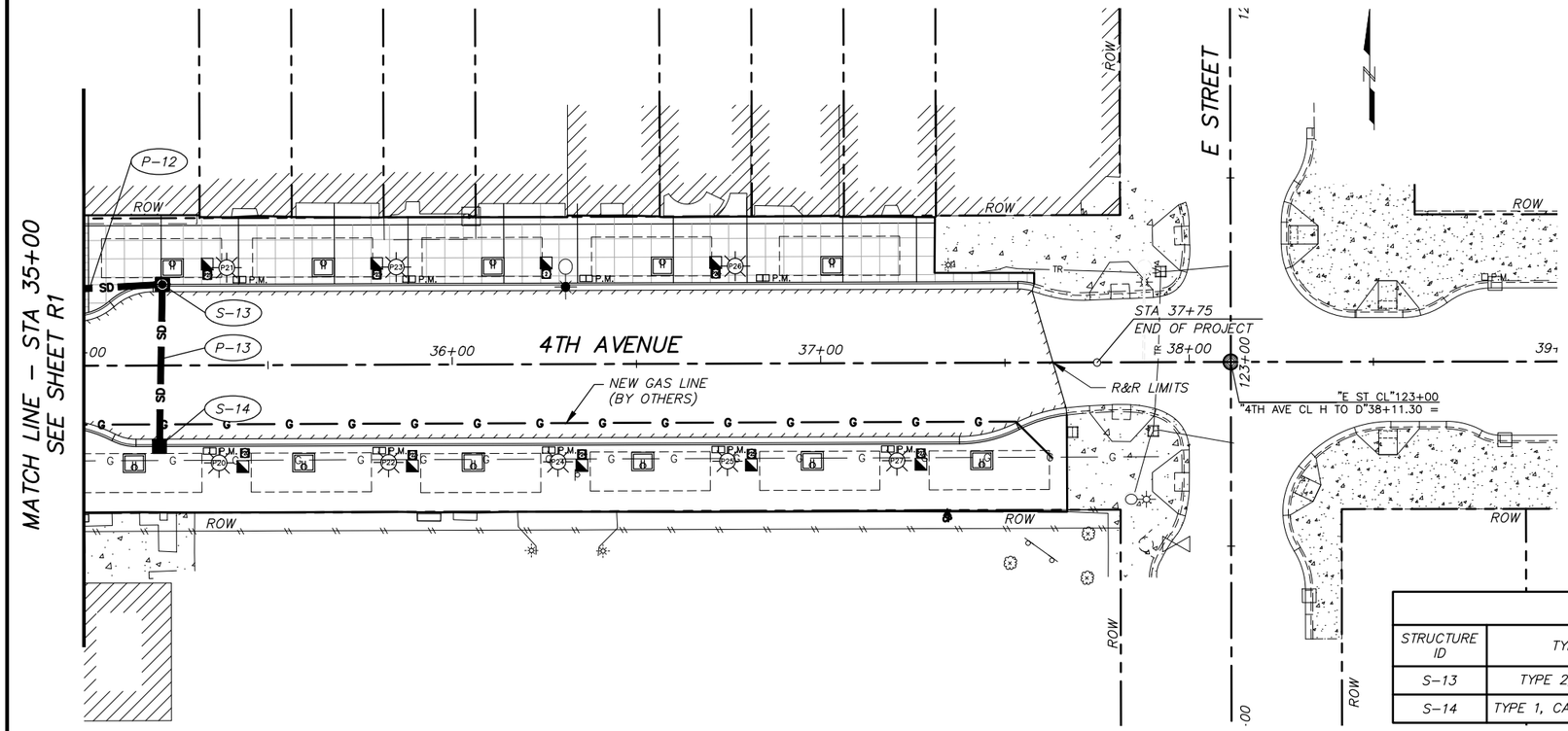
PROJECT NO. 21–22 SCHEDULE A

4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

4TH AVE PLAN AND PROFILE BOP TO STA 35+00

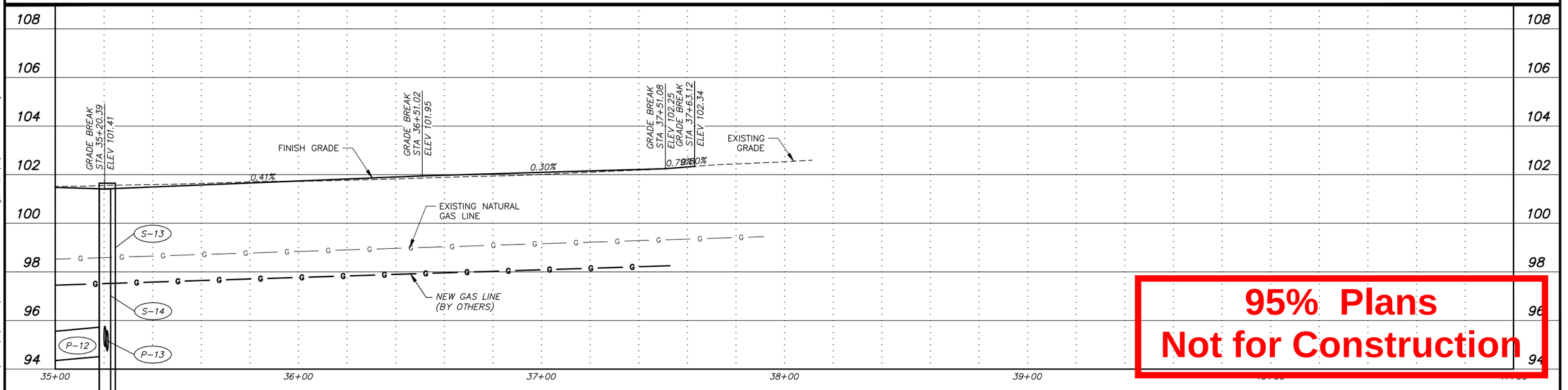
SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R1 of R10

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R1–R4 PnP.dwg, 1:2, 6/4/24 at 15:02 by BRIAN.LEWIS



PIPE TABLE									
PIPE ID	TYPE	SIZE (IN)	LENGTH	SLOPE	START	INVERT	END	INVERT	MIN COVER
P–12	CPEP	12	82.14	–0.91%	S–11	93.90	S–13	94.65	5.90
P–13	CPEP	10	44.01	0.41%	S–14	94.93	S–13	94.75	5.13

STORM DRAIN STRUCTURE SUMMARY						
STRUCTURE ID	TYPE	STATION	OFFSET	TOP OF CASTING	TYPE OF CASTING	REMARKS
S–13	TYPE 2, CBMH	35+21.38	22.00' LT	101.65	STANDARD	SEE MASS STD DETAILS 55–5 AND 55–13
S–14	TYPE 1, CATCH BASIN	35+20.47	22.00' RT	101.41	TYPE 1 CURB INLET	SEE MASS STD DETAIL 55–22



95% Plans
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

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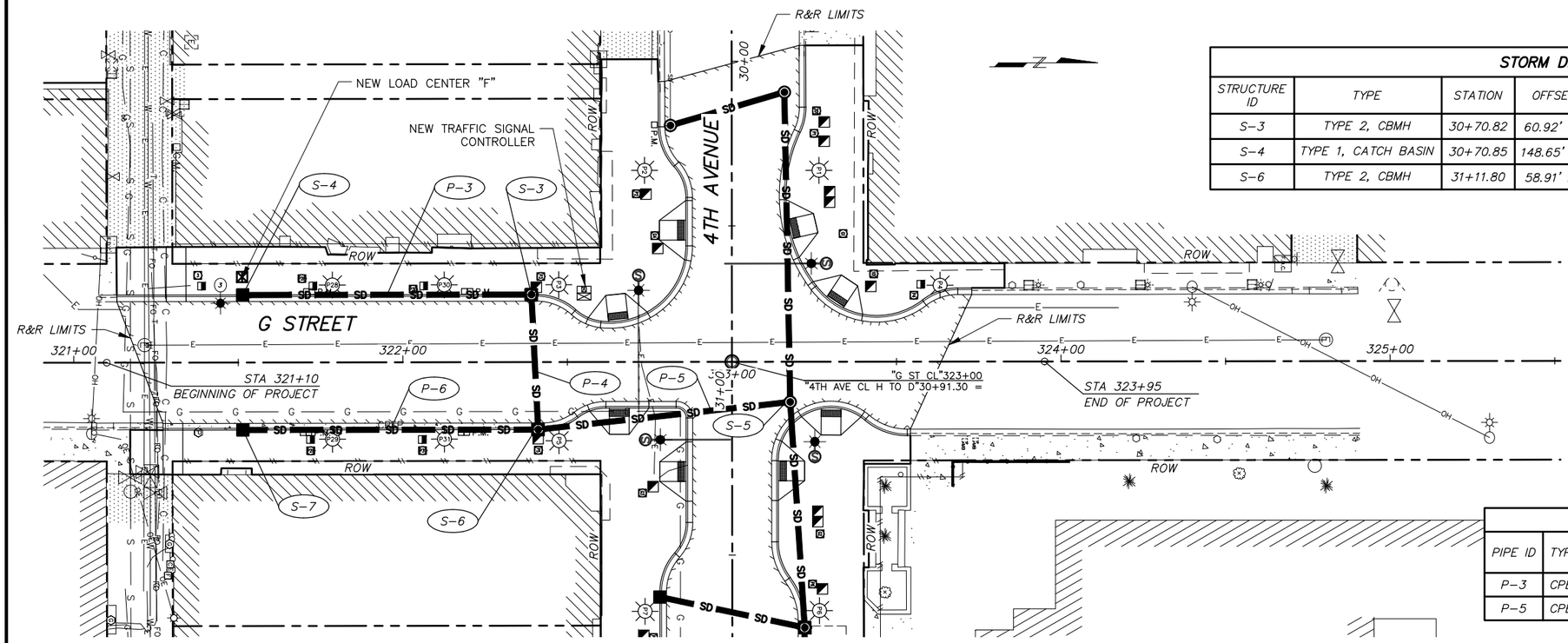
PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

4TH AVE PLAN AND PROFILE STA 35+00 TO EOP

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R2 of R10

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R1-R4 PnP.dwg, 1:2, 6/4/24 at 15:02 by BRIAN.LEWIS

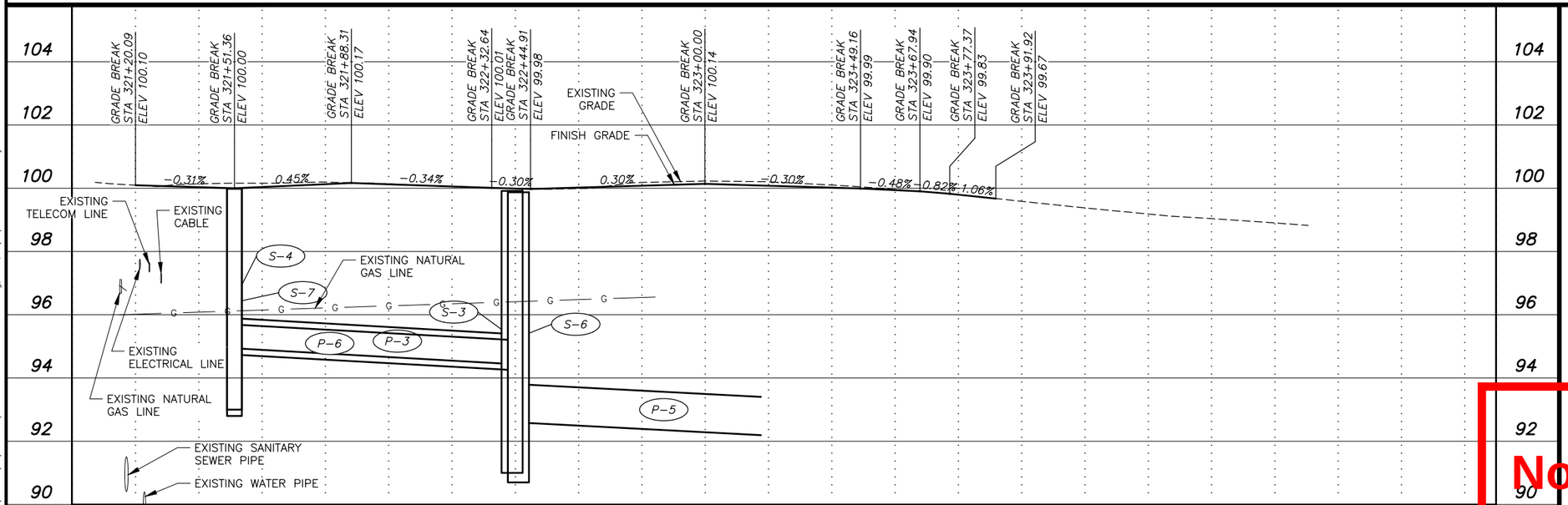


STORM DRAIN STRUCTURE SUMMARY

STRUCTURE ID	TYPE	STATION	OFFSET	TOP OF CASTING	TYPE OF CASTING	REMARKS
S-3	TYPE 2, CBMH	30+70.82	60.92' RT	99.92	STANDARD	SEE MASS STD DETAILS 55-5 AND 55-13
S-4	TYPE 1, CATCH BASIN	30+70.85	148.65' RT	99.98	TYPE 1 CURB INLET	SEE MASS STD DETAIL 55-22
S-6	TYPE 2, CBMH	31+11.80	58.91' RT	99.87	STANDARD	SEE MASS STD DETAILS 55-5 AND 55-13

PIPE TABLE

PIPE ID	TYPE	SIZE (IN)	LENGTH	SLOPE	START	INVERT	END	INVERT	MIN COVER
P-3	CPEP	10	87.73	0.57%	S-4	95.00	S-3	94.50	4.09
P-5	CPEP	12	77.05	0.52%	S-6	92.70	S-5	92.30	6.07



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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

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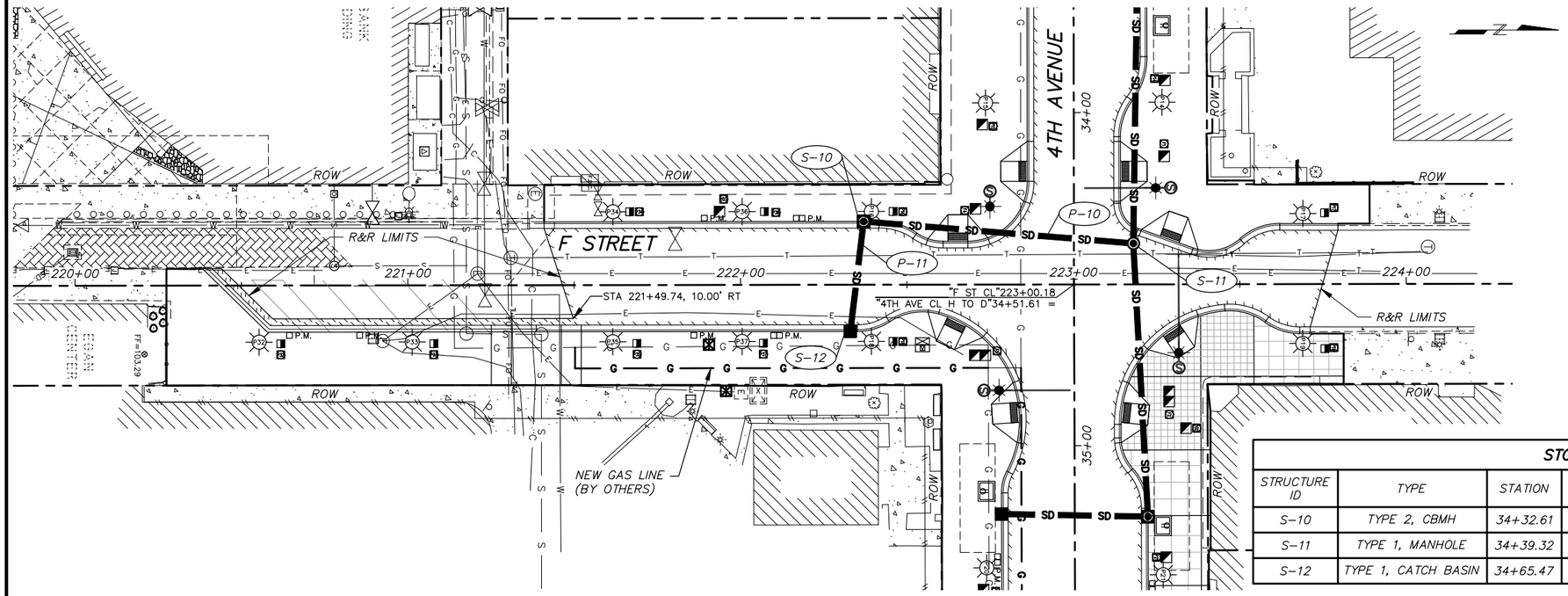
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

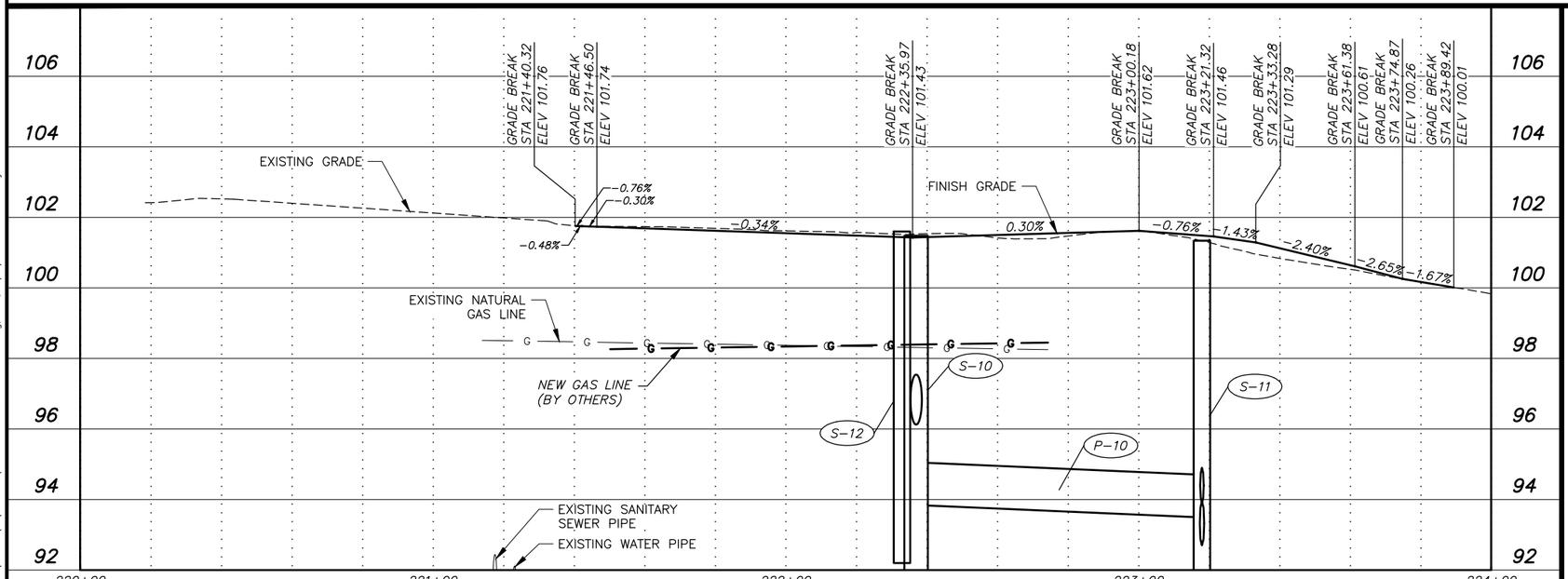
G ST PLAN AND PROFILE
STA 321+00 TO STA 325+50

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R3 of R10



STORM DRAIN STRUCTURE SUMMARY

STRUCTURE ID	TYPE	STATION	OFFSET	TOP OF CASTING	TYPE OF CASTING	REMARKS
S-10	TYPE 2, CBMH	34+32.61	63.19' RT	101.48	STANDARD	SEE MASS STD DETAILS 55-5 AND 55-13
S-11	TYPE 1, MANHOLE	34+39.32	17.84' LT	101.34	SOLID LID	SEE MASS STD DETAIL 55-4
S-12	TYPE 1, CATCH BASIN	34+65.47	67.24' RT	101.60	TYPE 1 CURB INLET	SEE MASS STD DETAIL 55-22



PIPE TABLE

PIPE ID	TYPE	SIZE (IN)	LENGTH	SLOPE	START	INVERT	END	INVERT	MIN COVER
P-10	CPEP	12	81.31	0.43%	S-10	93.95	S-11	93.60	6.43
P-11	CPEP	10	33.24	-0.45%	S-10	94.05	S-12	94.20	6.05

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

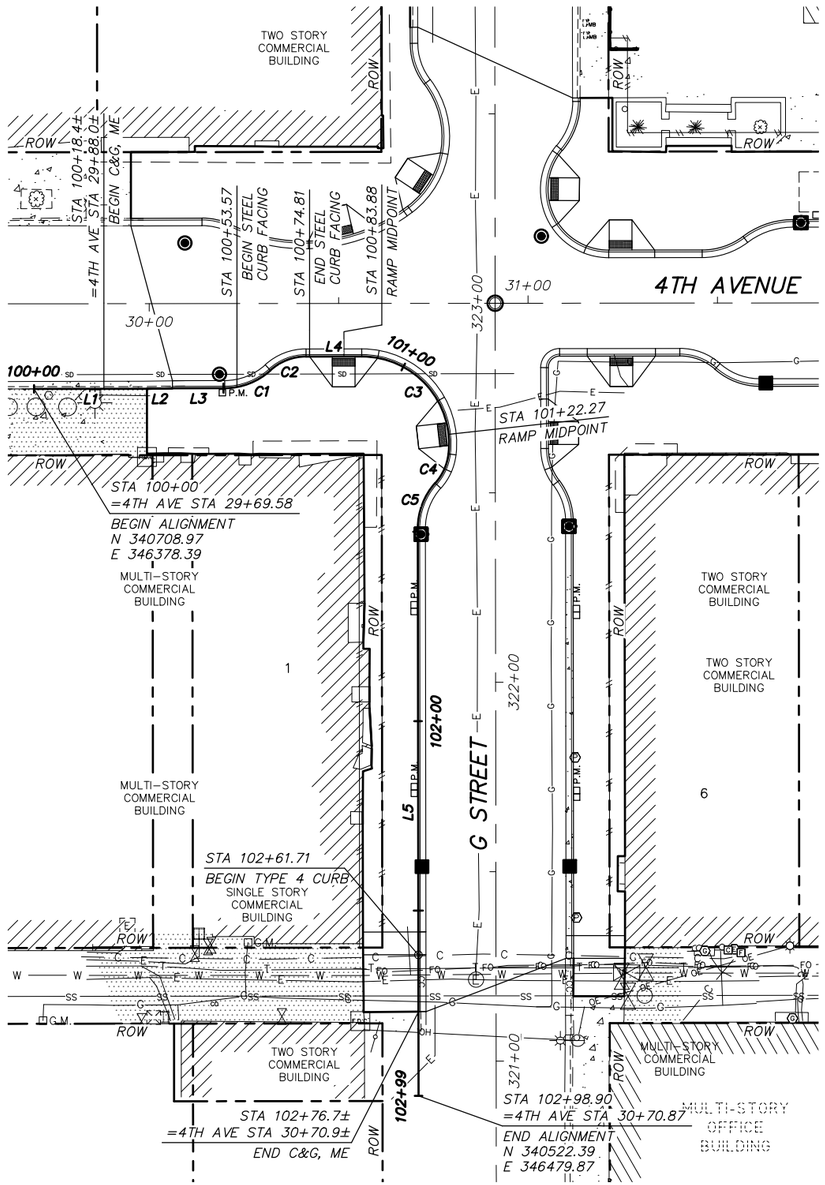
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

F ST PLAN AND PROFILE
STA 220+00 TO STA 224+00

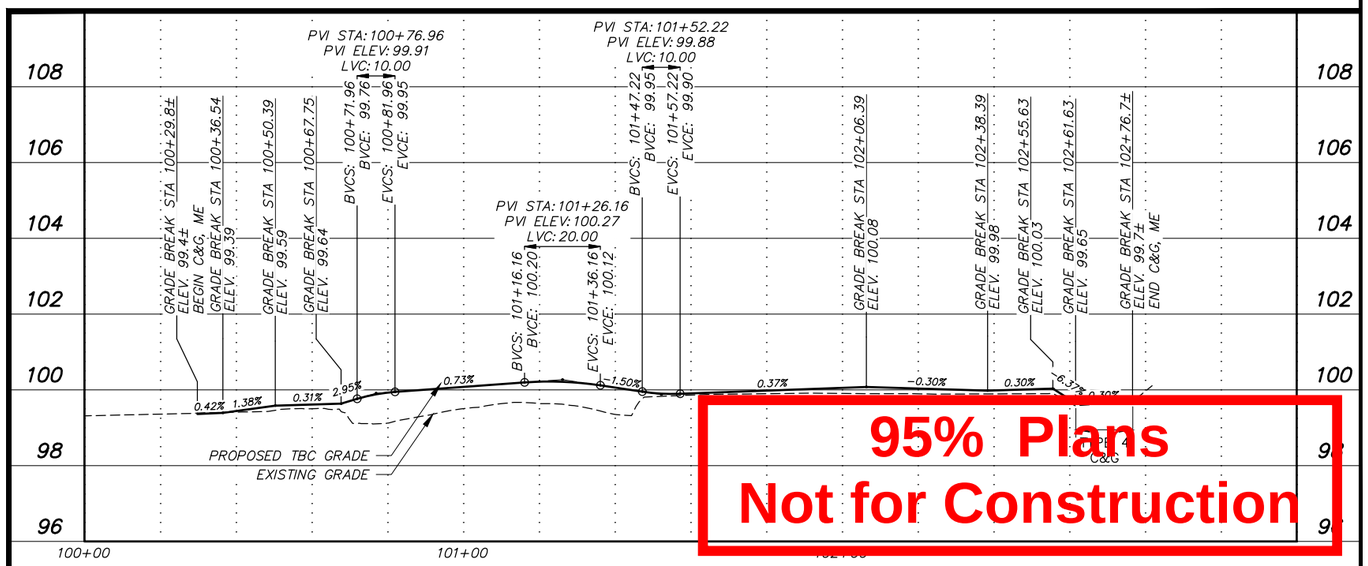
SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R4 of R10



CURB & GUTTER ALIGNMENT AND LAYOUT TABLE							
SEGMENT	BEGIN STATION	END STATION	BEARING	RADIUS	LENGTH	TANGENT	DELTA ANGLE
L1	100+00.00	100+29.80	N89°53'38.41"E		29.80		
L2	100+29.80	100+36.54	N88°59'36.86"E		6.74		
L3	100+36.54	100+50.32	N89°49'19.58"E		13.78		
C1	100+50.32	100+63.55		18.00	13.23	6.93	42°06'45"
C2	100+63.55	100+73.87		14.00	10.32	5.41	42°13'55"
L4	100+73.87	100+88.57	N89°56'29.48"E		14.70		
C3	100+88.57	101+27.46		23.00	38.89	25.94	96°52'15"
C4	101+27.46	101+36.03		14.00	8.56	4.42	35°03'03"
C5	101+36.03	101+49.20		18.00	13.18	6.90	41°56'23"
L5	101+49.20	102+98.90	S00°04'34.79"E		149.70		

GENERAL CURB & GUTTER NOTES:

1. CURB & GUTTER ALIGNMENTS AND PROFILES ARE AT TOP BACK OF CURB. PROFILES DO NOT REFLECT CURB RAMPS – SEE GRADING SHEETS FOR MORE DETAIL.
2. CURB & GUTTER ARE TYPE 1 UNLESS OTHERWISE NOTED.



95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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CONTRACTOR: _____
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

GRAPHIC 40 20 0 20 40 SCALE

FIELD BOOKS

VERTICAL DATUM

TBM NO.	LOCATION	ELEV.

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

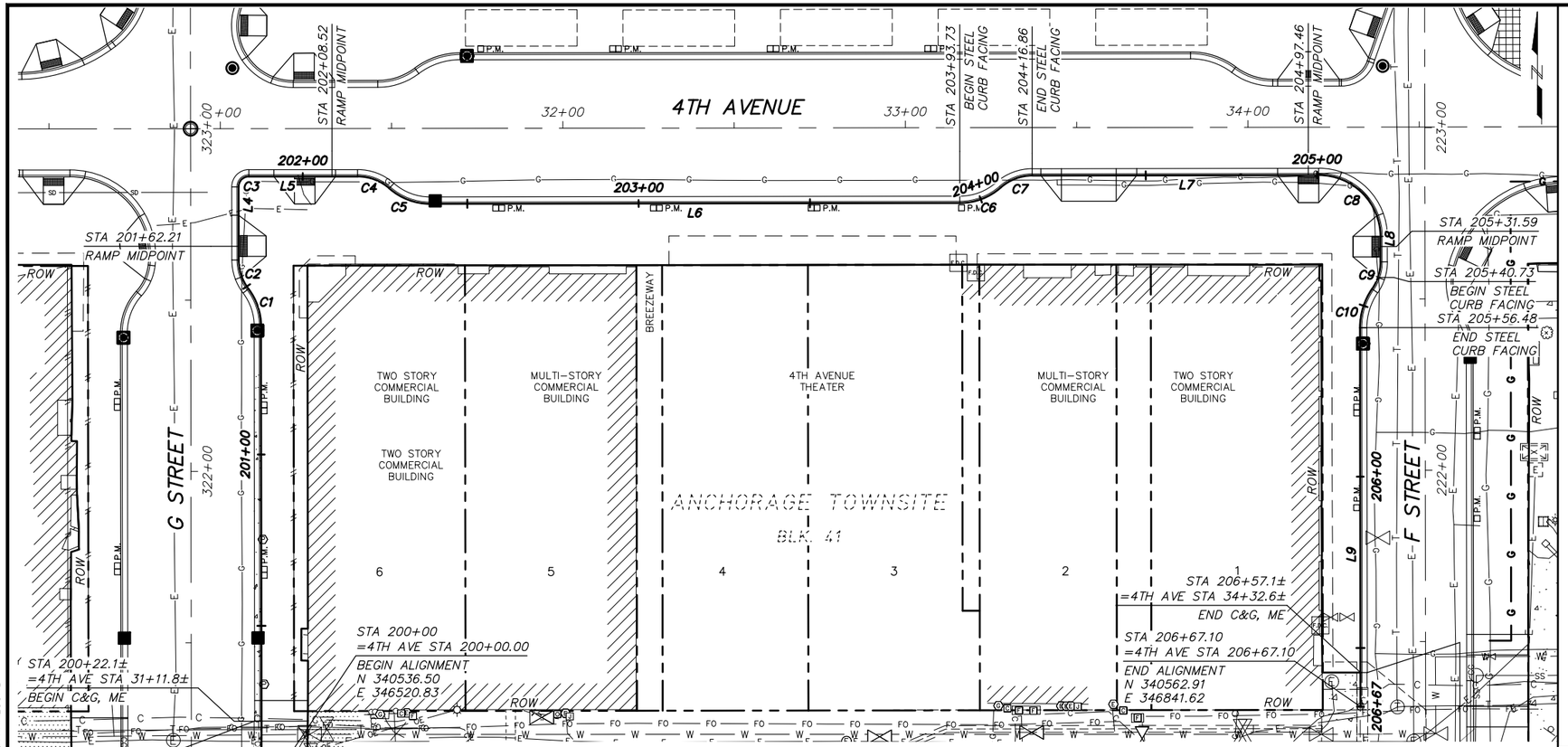
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

CURBLINE PLAN AND PROFILE G STREET SOUTH

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R5 of R16

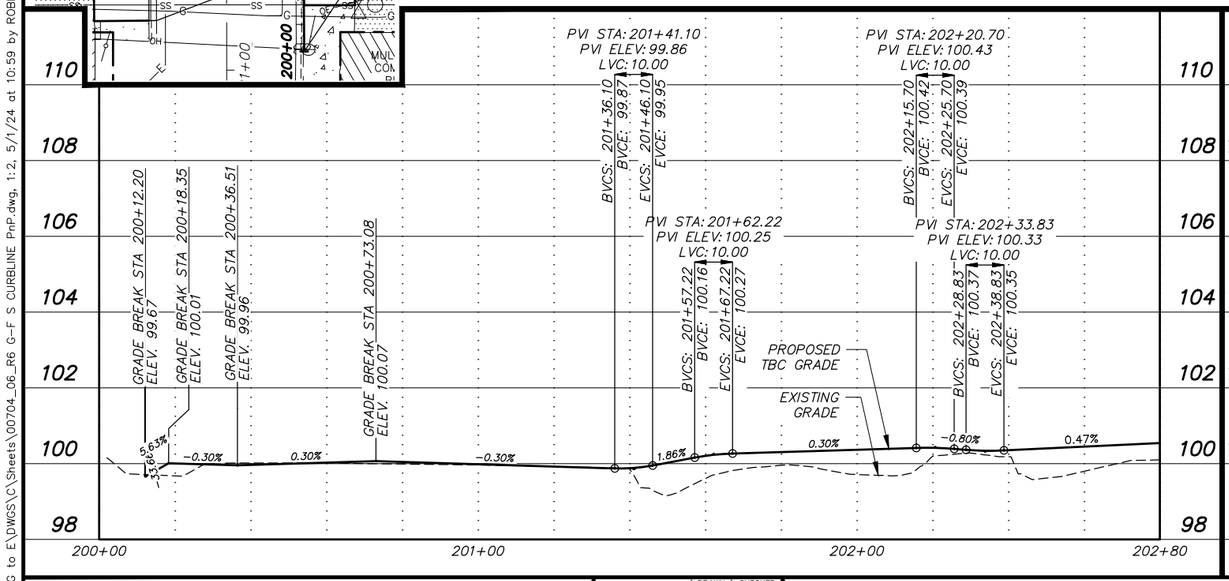
Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R5 G S CURBLINE PnP.dwg, 1:2, 5/1/24 at 10:59 by ROBERT.HALCOMB

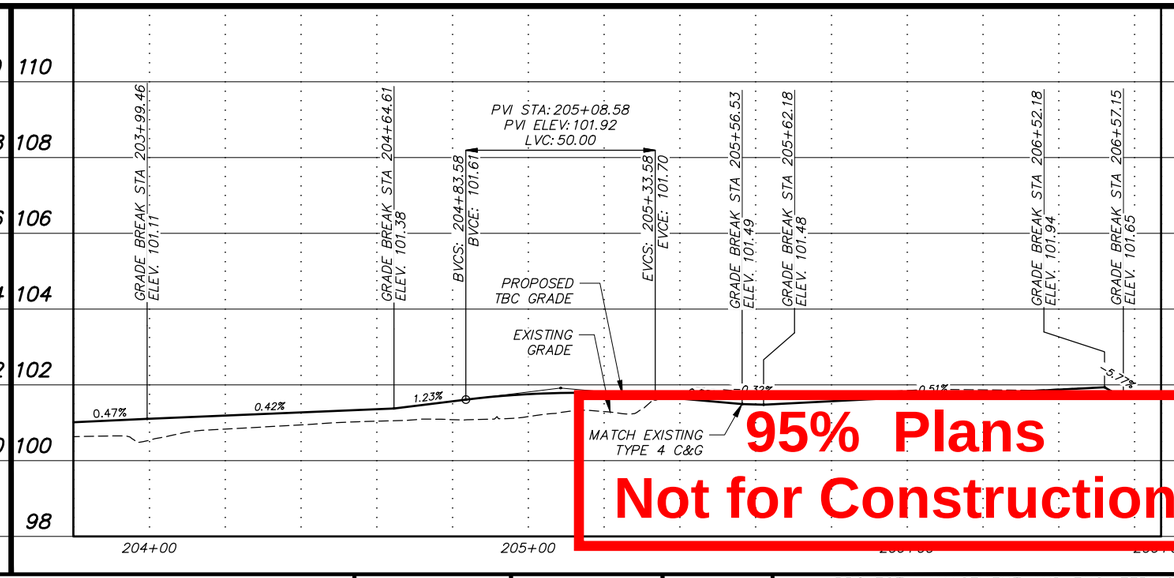


CURB & GUTTER ALIGNMENT AND LAYOUT TABLE							
SEGMENT	BEGIN STATION	END STATION	BEARING	RADIUS	LENGTH	TANGENT	DELTA ANGLE
C1	201+37.44	201+49.12		18.00	11.68	6.05	37°10'02"
C2	201+49.12	201+58.20		14.00	9.08	4.71	37°10'02"
L4	201+58.20	201+79.55	N00°04'34.79"W		21.35		
C3	201+79.55	201+84.26		3.00	4.71	3.00	90°02'12"
L5	201+84.26	202+16.01	N89°57'37.31"E		31.75		
C4	202+16.01	202+26.12		14.00	10.11	5.29	41°22'12"
C5	202+26.12	202+39.13		18.00	13.01	6.80	41°24'34"
L6	202+39.13	203+93.78	N89°55'14.63"E		154.65		
C6	203+93.78	204+06.79		18.00	13.01	6.80	41°24'35"
C7	204+06.79	204+16.90		14.00	10.12	5.29	41°24'35"
L7	204+16.90	205+00.48	N89°55'14.63"E		83.58		
C8	205+00.48	205+28.78		18.00	28.30	18.02	90°04'45"
L8	205+28.78	205+36.07	S00°00'00.00"E		7.29		
C9	205+36.07	205+44.48		14.00	8.41	4.34	34°25'58"
C10	205+44.48	205+56.53		20.00	12.05	6.21	34°30'29"
L9	205+56.53	206+67.15	S00°04'30.68"E		110.62		

GENERAL CURB & GUTTER NOTES:

1. CURB & GUTTER ALIGNMENTS AND PROFILES ARE AT TOP BACK OF CURB. PROFILES DO NOT REFLECT CURB RAMPS – SEE GRADING SHEETS FOR MORE DETAIL.
2. CURB & GUTTER ARE TYPE 1 UNLESS OTHERWISE NOTED.





95% Plans
Not for Construction

RECORD DRAWING

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   CONTRACTOR: _____
   BY: _____ TITLE: _____ DATE: _____
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   DATA TRANSFER CHECKED BY: _____ TITLE: _____
   COMPANY: _____ DATE: _____
   BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

GRAPHIC SCALE 40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD | VERTICAL DATUM | REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT | SEAL

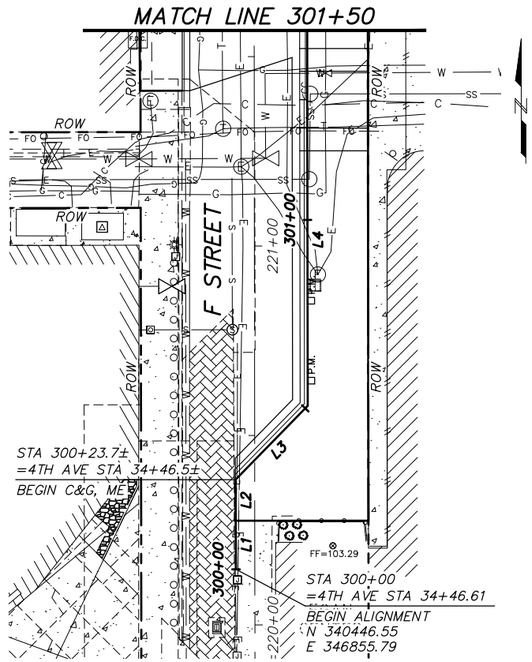
MUNICIPALITY OF ANCHORAGE
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

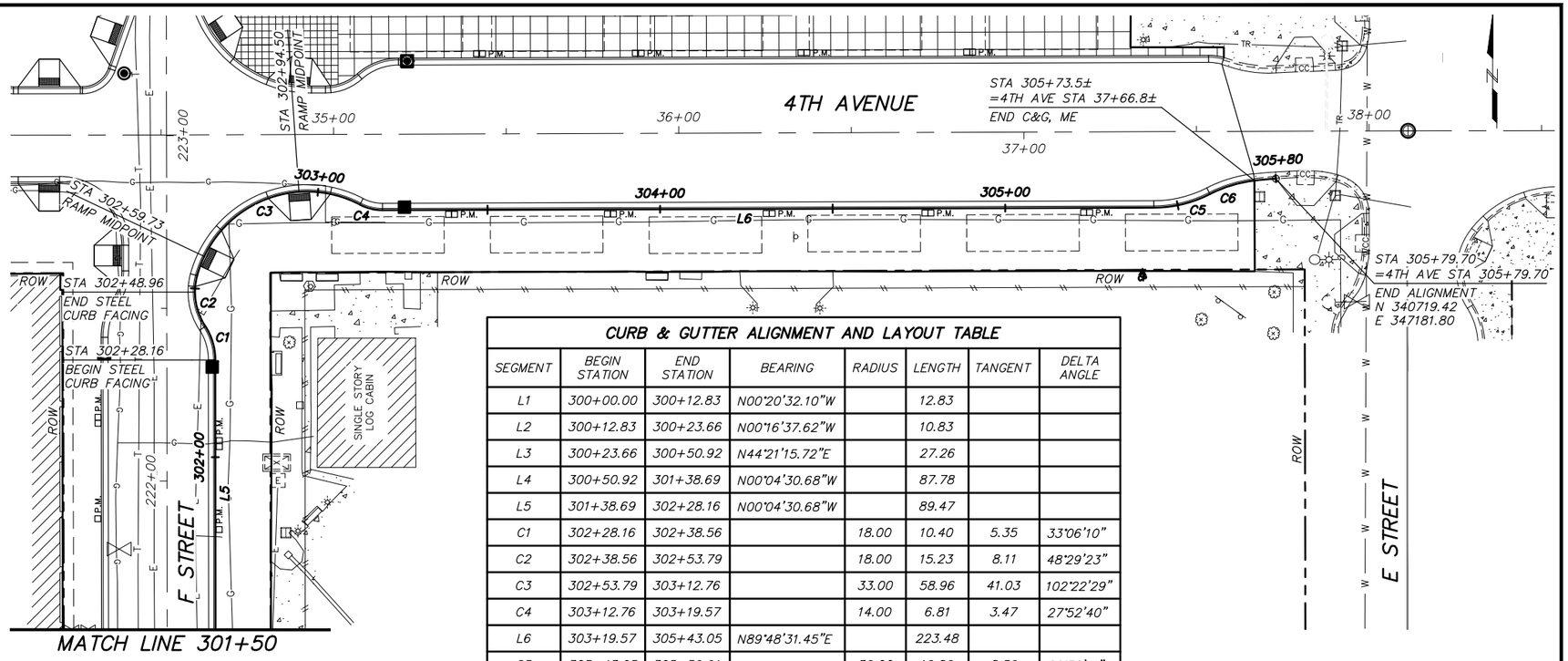
PROJECT NO. 21-22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

CURBLINE PLAN AND PROFILE G STREET TO F STREET SOUTH

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R6 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R6 G-F S CURBLINE PnP.dwg, 1:2, 5/1/24 at 10:59 by ROBERT.HALCOMB



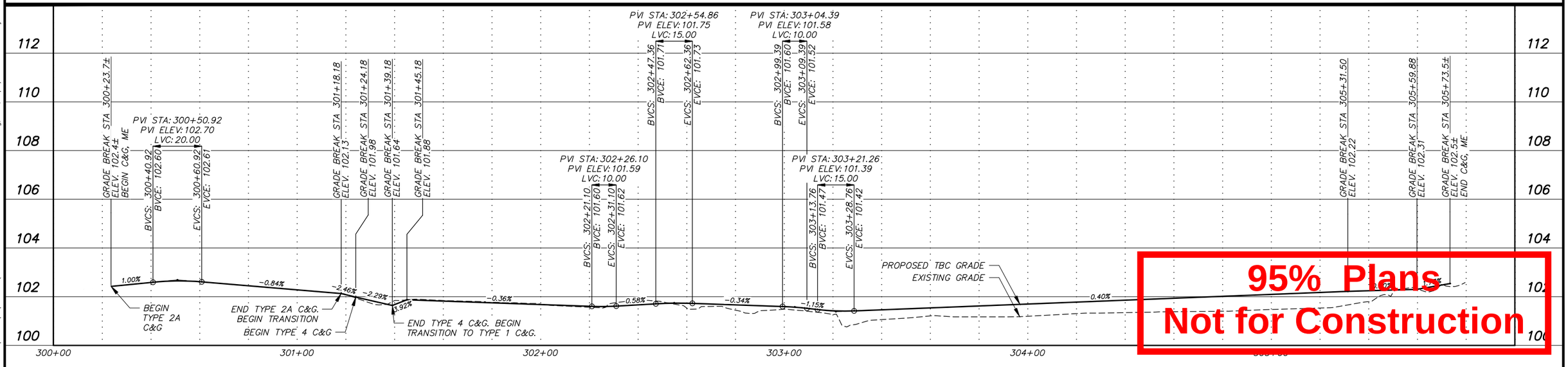


CURB & GUTTER ALIGNMENT AND LAYOUT TABLE

SEGMENT	BEGIN STATION	END STATION	BEARING	RADIUS	LENGTH	TANGENT	DELTA ANGLE
L1	300+00.00	300+12.83	N00°20'32.10"W		12.83		
L2	300+12.83	300+23.66	N00°16'37.62"W		10.83		
L3	300+23.66	300+50.92	N44°21'15.72"E		27.26		
L4	300+50.92	301+38.69	N00°04'30.68"W		87.78		
L5	301+38.69	302+28.16	N00°04'30.68"W		89.47		
C1	302+28.16	302+38.56		18.00	10.40	5.35	33°06'10"
C2	302+38.56	302+53.79		18.00	15.23	8.11	48°29'23"
C3	302+53.79	303+12.76		33.00	58.96	41.03	102°22'29"
C4	303+12.76	303+19.57		14.00	6.81	3.47	27°52'40"
L6	303+19.57	305+43.05	N89°48'31.45"E		223.48		
C5	305+43.05	305+59.91		36.00	16.86	8.59	26°50'11"
C6	305+59.91	305+73.46		38.00	13.55	6.85	20°26'09"

GENERAL CURB & GUTTER NOTES:

1. CURB & GUTTER ALIGNMENTS AND PROFILES ARE AT TOP BACK OF CURB. PROFILES DO NOT REFLECT CURB RAMPS – SEE GRADING SHEETS FOR MORE DETAIL.
2. CURB & GUTTER ARE TYPE 1 UNLESS OTHERWISE NOTED.



95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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CONTRACTOR: _____
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COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

GRAPHIC SCALE 40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV.	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

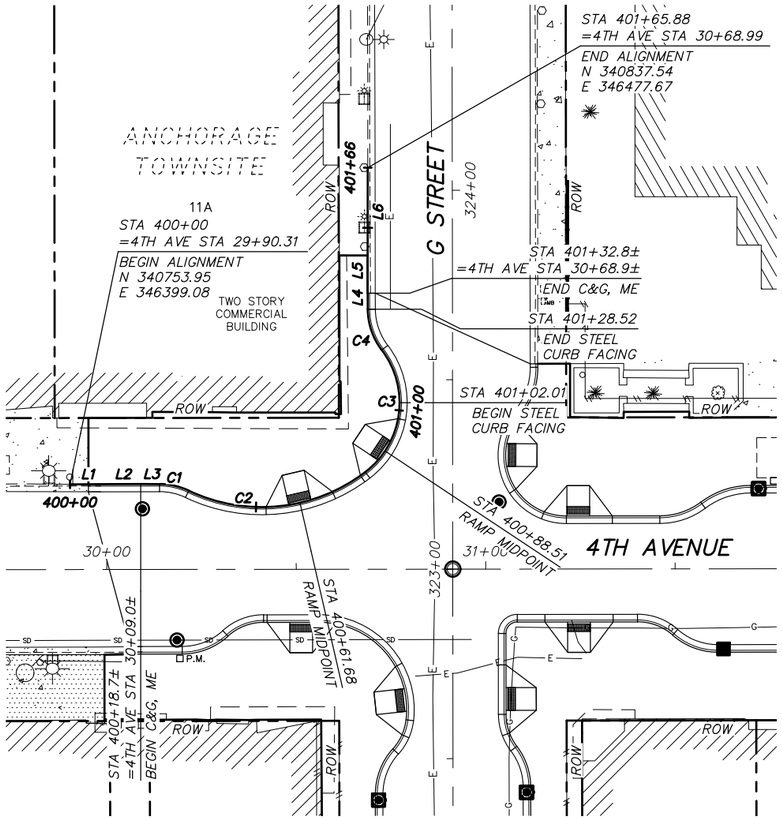
PROJECT NO. 21-22 SCHEDULE A

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

CURBLINE PLAN AND PROFILE
G STREET TO E STREET SOUTH

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R7 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R7 F-E S CURBLINE PnP.dwg, 1:2, 5/1/24 at 11:21 by ROBERT.HALCOMB

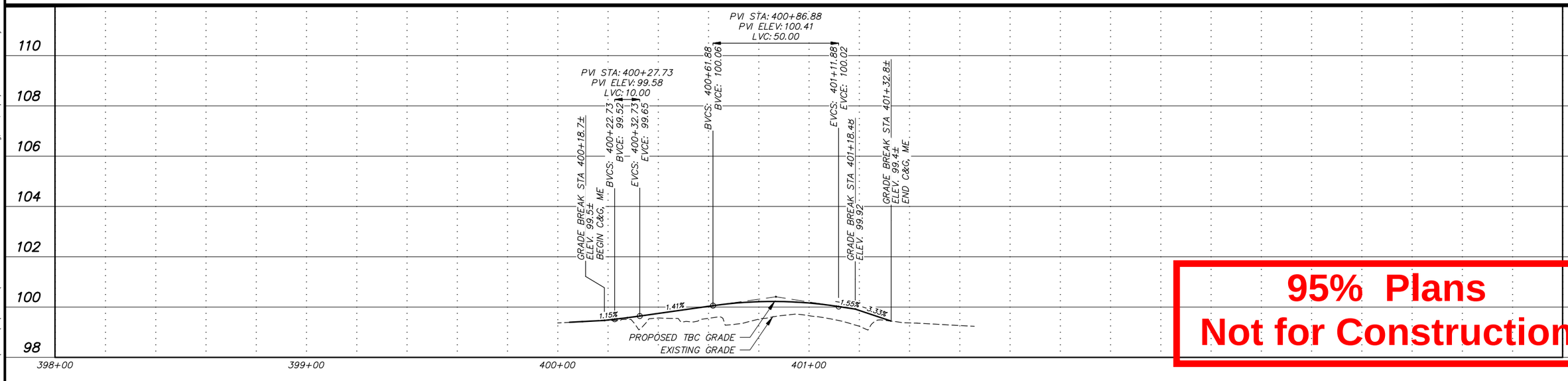


CURB & GUTTER ALIGNMENT AND LAYOUT TABLE

SEGMENT	BEGIN STATION	END STATION	BEARING	RADIUS	LENGTH	TANGENT	DELTA ANGLE
L1	400+00.00	400+09.83	N89°43'02.90"E		9.83		
L2	400+09.83	400+18.68	N89°43'02.90"E		8.85		
L3	400+18.68	400+23.65	S89°52'10.27"E		4.97		
C1	400+23.65	400+31.57		18.00	7.93	4.03	25°13'43"
C2	400+31.57	400+80.87		45.00	49.29	27.45	62°45'43"
C3	400+80.87	401+16.94		23.00	36.07	22.94	89°51'13"
C4	401+16.94	401+28.52		18.00	11.59	6.00	36°53'00"
L4	401+28.52	401+34.75	N00°22'23.83"W		6.23		
L5	401+34.75	401+42.72	N00°01'11.42"W		7.97		
L6	401+42.72	401+65.88	N00°07'16.09"E		23.15		

GENERAL CURB & GUTTER NOTES:

1. CURB & GUTTER ALIGNMENTS AND PROFILES ARE AT TOP BACK OF CURB. PROFILES DO NOT REFLECT CURB RAMPS – SEE GRADING SHEETS FOR MORE DETAIL.
2. CURB & GUTTER ARE TYPE 1 UNLESS OTHERWISE NOTED.



95% Plans
Not for Construction

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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

GRAPHIC SCALE 40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD | VERTICAL DATUM | REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT | SEAL

MUNICIPALITY OF ANCHORAGE

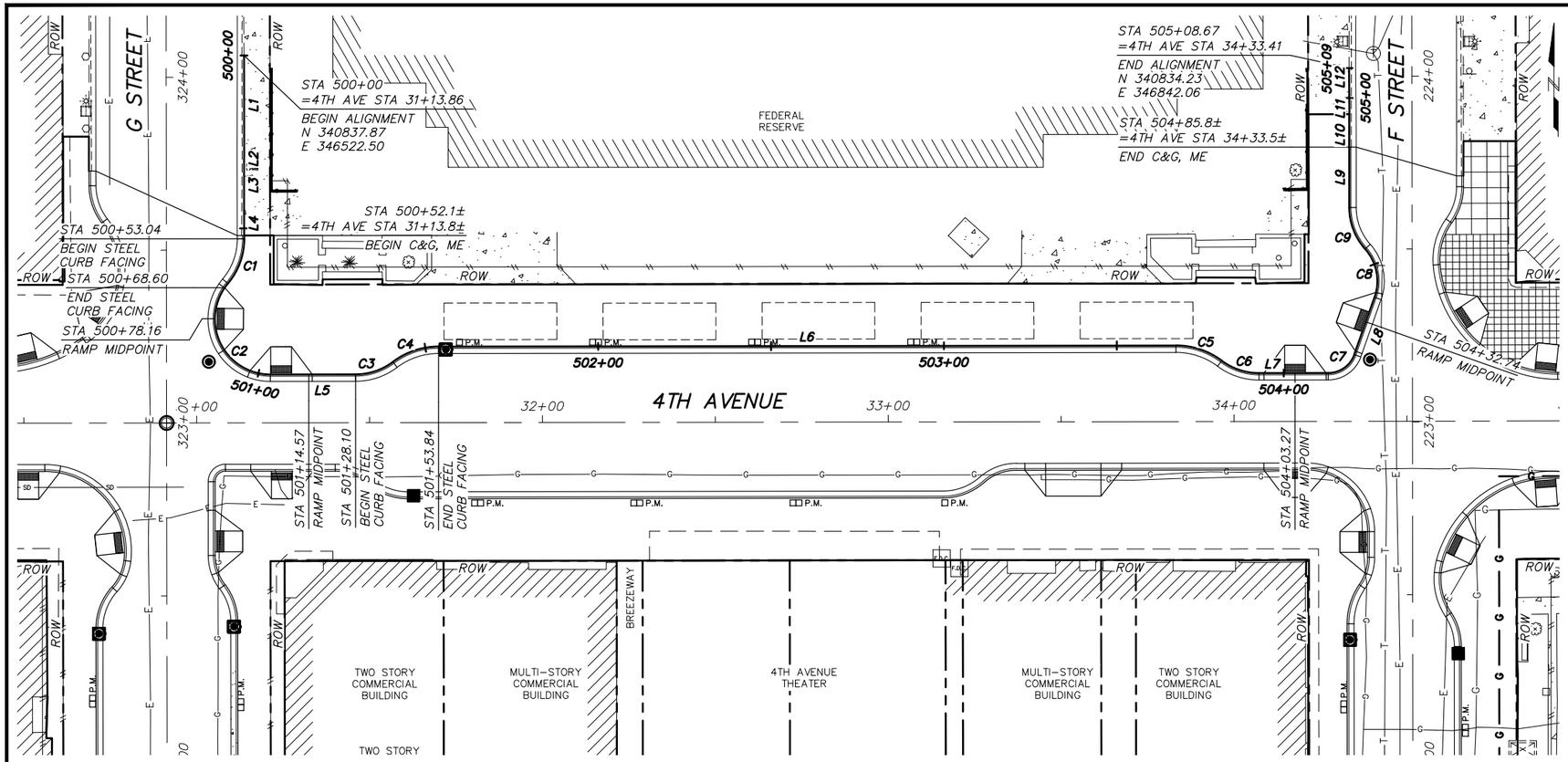
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

CURBLINE PLAN AND PROFILE
G STREET NORTH

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R8 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R8 G N CURBLINE PnP.dwg, 1:2, 5/1/24 at 10:37 by ROBERT.HALCOMB

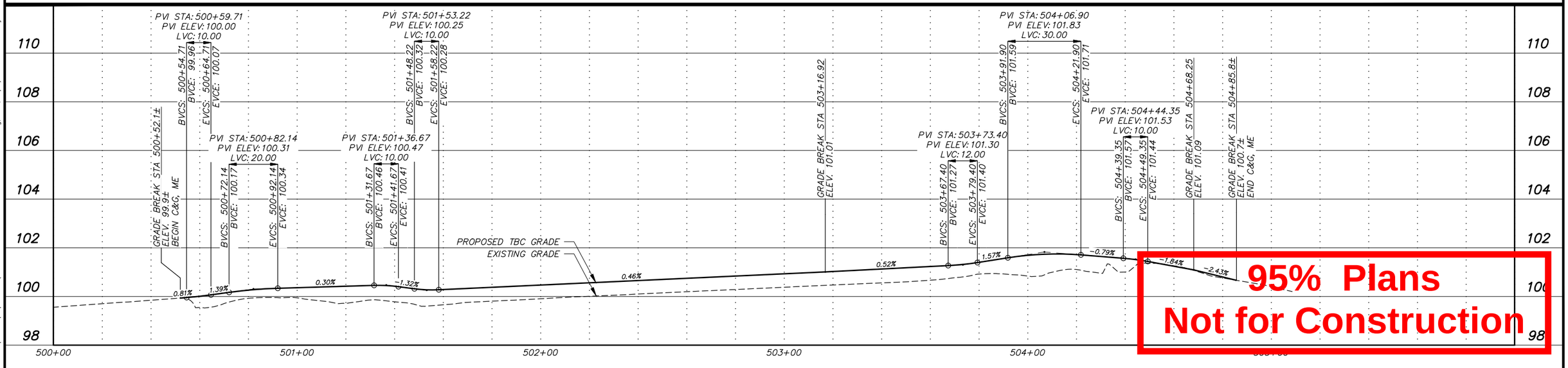


CURB & GUTTER ALIGNMENT AND LAYOUT TABLE

SEGMENT	BEGIN STATION	END STATION	BEARING	RADIUS	LENGTH	TANGENT	DELTA ANGLE
L1	500+00.00	500+28.86	S00°02'08.64"E		28.86		
L2	500+28.86	500+30.75	S00°22'13.07"W		1.89		
L3	500+30.75	500+44.11	S00°00'00.02"W		13.35		
L4	500+44.11	500+53.01	S00°08'12.64"E		8.91		
C1	500+53.01	500+67.07		20.00	14.05	7.33	40°15'47"
C2	500+67.07	501+03.43		16.00	36.36	34.47	130°12'19"
L5	501+03.43	501+28.10	N89°55'14.63"E		24.68		
C3	501+28.10	501+39.69		18.00	11.58	6.00	36°52'12"
C4	501+39.69	501+53.84		22.00	14.16	7.33	36°52'12"
L6	501+53.84	503+67.11	N89°55'14.63"E		213.26		
C5	503+67.11	503+81.27		22.00	14.16	7.33	36°52'12"
C6	503+81.27	503+92.85		18.00	11.58	6.00	36°52'12"
L7	503+92.85	504+12.87	N89°55'14.63"E		20.02		
C7	504+12.87	504+22.70		8.00	9.84	5.65	70°26'39"
L8	504+22.70	504+40.26	N19°28'35.63"E		17.56		
C8	504+40.26	504+55.21		14.00	14.95	8.28	61°10'56"
C9	504+55.21	504+68.33		18.00	13.12	6.87	41°45'59"
L9	504+68.33	504+85.81	N00°03'38.36"E		17.48		
L10	504+85.81	504+95.32	N00°03'38.36"E		9.51		
L11	504+95.32	504+97.02	N00°03'38.36"E		1.70		
L12	504+97.02	505+08.67	N00°23'37.00"W		11.65		

GENERAL CURB & GUTTER NOTES:

1. CURB & GUTTER ALIGNMENTS AND PROFILES ARE AT TOP BACK OF CURB. PROFILES DO NOT REFLECT CURB RAMPS – SEE GRADING SHEETS FOR MORE DETAIL.
2. CURB & GUTTER ARE TYPE 1 UNLESS OTHERWISE NOTED.



95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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BY: _____ TITLE: _____ DATE: _____
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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

GRAPHIC SCALE 40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD | VERTICAL DATUM | REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

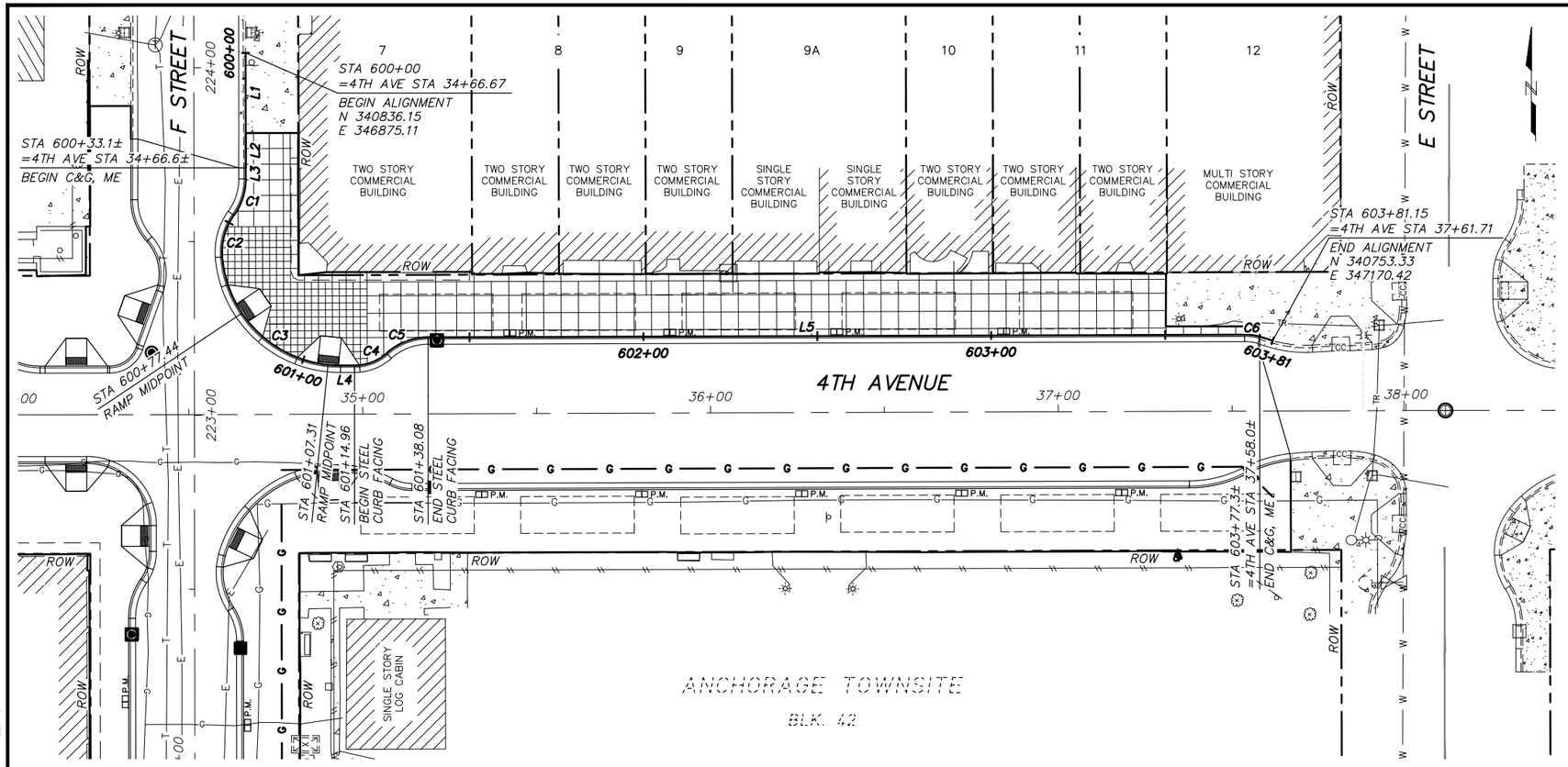
PROJECT NO. 21-22 SCHEDULE A

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

CURBLINE PLAN AND PROFILE
G STREET TO F STREET NORTH

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R9 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R9 G-F N CURBLINE PnP.dwg, 1:2, 5/1/24 at 11:02 by ROBERT.HALCOMB

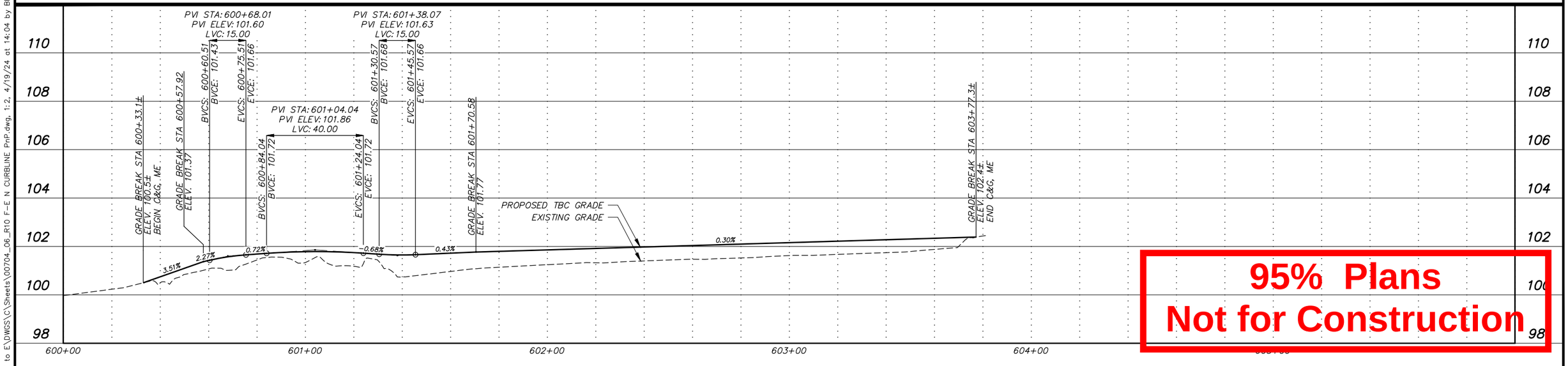


CURB & GUTTER ALIGNMENT AND LAYOUT TABLE

SEGMENT	BEGIN STATION	END STATION	BEARING	RADIUS	LENGTH	TANGENT	DELTA ANGLE
L1	600+00.00	600+23.07	S00°04'51.78"E		23.07		
L2	600+23.07	600+33.09	S00°05'08.64"W		10.02		
L3	600+33.09	600+36.24	S00°07'09.24"W		3.15		
C1	600+36.24	600+47.44		18.00	11.20	5.79	35°39'25"
C2	600+47.44	600+60.15		18.00	12.71	6.63	40°27'01"
C3	600+60.15	601+10.90		34.00	50.75	31.44	85°31'02"
L4	601+10.90	601+14.96	N89°48'31.45"E		4.06		
C4	601+14.96	601+25.07		14.00	10.12	5.29	41°24'35"
C5	601+25.07	601+38.08		18.00	13.01	6.80	41°24'35"
L5	601+38.08	603+72.81	N89°48'31.45"E		234.72		
C6	603+72.81	603+77.27		16.00	4.47	2.25	15°59'40"

GENERAL CURB & GUTTER NOTES:

1. CURB & GUTTER ALIGNMENTS AND PROFILES ARE AT TOP BACK OF CURB. PROFILES DO NOT REFLECT CURB RAMPS – SEE GRADING SHEETS FOR MORE DETAIL.
2. CURB & GUTTER ARE TYPE 1 UNLESS OTHERWISE NOTED.



95% Plans
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PLAN CHECK

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

GRAPHIC SCALE 40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD. SUITE 400
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CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

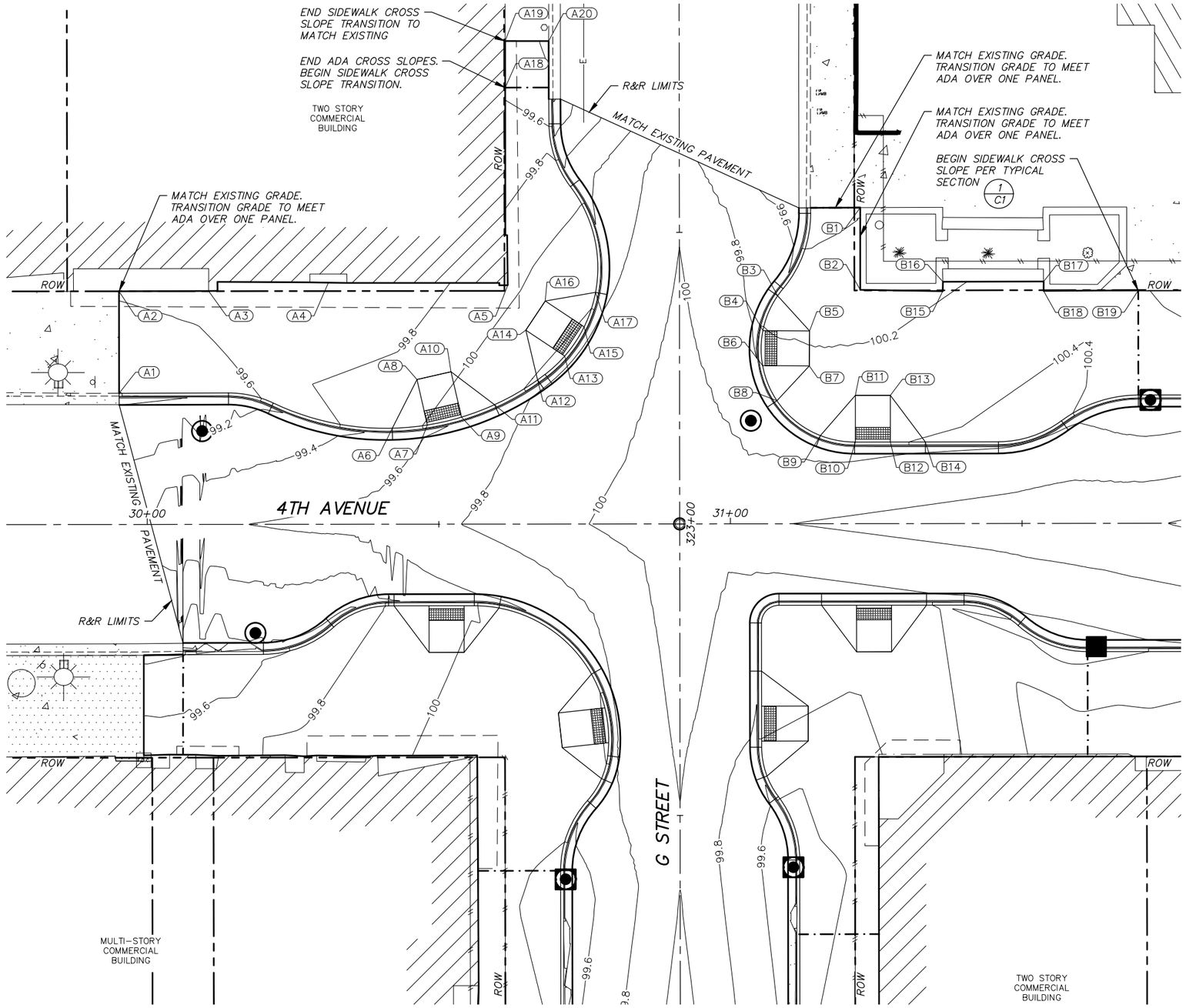
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

CURBLINE PLAN AND PROFILE
F STREET E STREET NORTH

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R10 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R10 F-E N CURBLINE PnP.dwg, 1:2, 4/19/24 at 14:04 by BRIAN.LEWIS



1 / R11 4TH AVE, G STREET GRADING PLAN

SIDEWALK GRADING TABLE

POINT	DESC.	STATION	OFFSET	ELEV
A1	PI	29+95.19	22.50 L	0.0099.4± ME
A2	PI	29+95.19	40.00 L	0.0099.6± ME
A3	PI	30+10.56	40.04 L	99.6799.6± ME
A4	PI	30+31.11	41.45 L	99.86
A5	PI	30+61.86	40.96 L	100.18
A6	PI, RAMP, TBC	30+42.02	16.46 L	99.95
A7	PI, RAMP, TBC	30+48.05	17.01 L	99.64
A8	PI, RAMP	30+46.27	24.81 L	99.86
A9	PI, RAMP, TBC	30+53.90	18.35 L	99.71
A10	PI, RAMP	30+52.11	26.15 L	99.97
A11	PI, RAMP, TBC	30+59.57	20.48 L	100.18
A12	PI, RAMP, TBC	30+66.95	24.72 L	100.25
A13	PI, RAMP, TBC	30+71.62	28.83 L	99.87
A14	PI, RAMP	30+64.95	33.26 L	100.11
A15	PI, RAMP, TBC	30+74.94	33.82 L	99.86
A16	PI, RAMP	30+68.28	38.25 L	100.10
A17	PI, RAMP, TBC	30+76.90	39.73 L	100.24
A18	PI	30+61.45	74.87 L	99.54
A19	PI	30+61.45	82.84 L	99.5± ME
A20	PI	30+68.92	82.84 L	99.4± ME
B1	PI	31+22.33	54.20 L	100.1± ME
B2	PI	31+22.32	40.11 L	100.31
B3	PI, RAMP, TBC	31+08.15	39.11 L	100.13
B4	PI, RAMP, TBC	31+05.62	33.13 L	99.81
B5	PI, RAMP	31+13.62	33.06 L	100.14
B6	PI, RAMP, TBC	31+05.57	27.13 L	99.87
B7	PI, RAMP	31+13.57	27.06 L	100.16
B8	PI, RAMP, TBC	31+08.00	21.11 L	100.32
B9	PI, RAMP, TBC	31+15.45	15.11 L	100.38
B10	PI, RAMP, TBC	31+21.45	14.00 L	100.00
B11	PI, RAMP	31+21.45	22.00 L	100.18
B12	PI, RAMP, TBC	31+27.45	14.00 L	100.01
B13	PI, RAMP	31+27.45	22.00 L	100.19
B14	PI, RAMP, TBC	31+33.45	14.00 L	100.43
B15	PI	31+36.46	39.86 L	100.30
B16	PI	31+36.50	41.47 L	100.32
B17	PI	31+53.78	41.50 L	100.66
B18	PI	31+53.76	39.87 L	100.65
B19	PI	31+69.98	39.93 L	100.38

NOTES:

1. SEE SHEETS R5–R10 FOR CURBLINE PLAN AND PROFILE.
2. CONSTRUCT PERPENDICULAR CURB RAMP I.A.W. MASS STD DETAIL 30–8.
3. SEE LANDSCAPE SHEETS FOR SIDEWALK JOINT AND FINISH SCORING PATTERN.

95% Plans
Not for Construction

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD | VERTICAL DATUM | REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD. SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT | SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

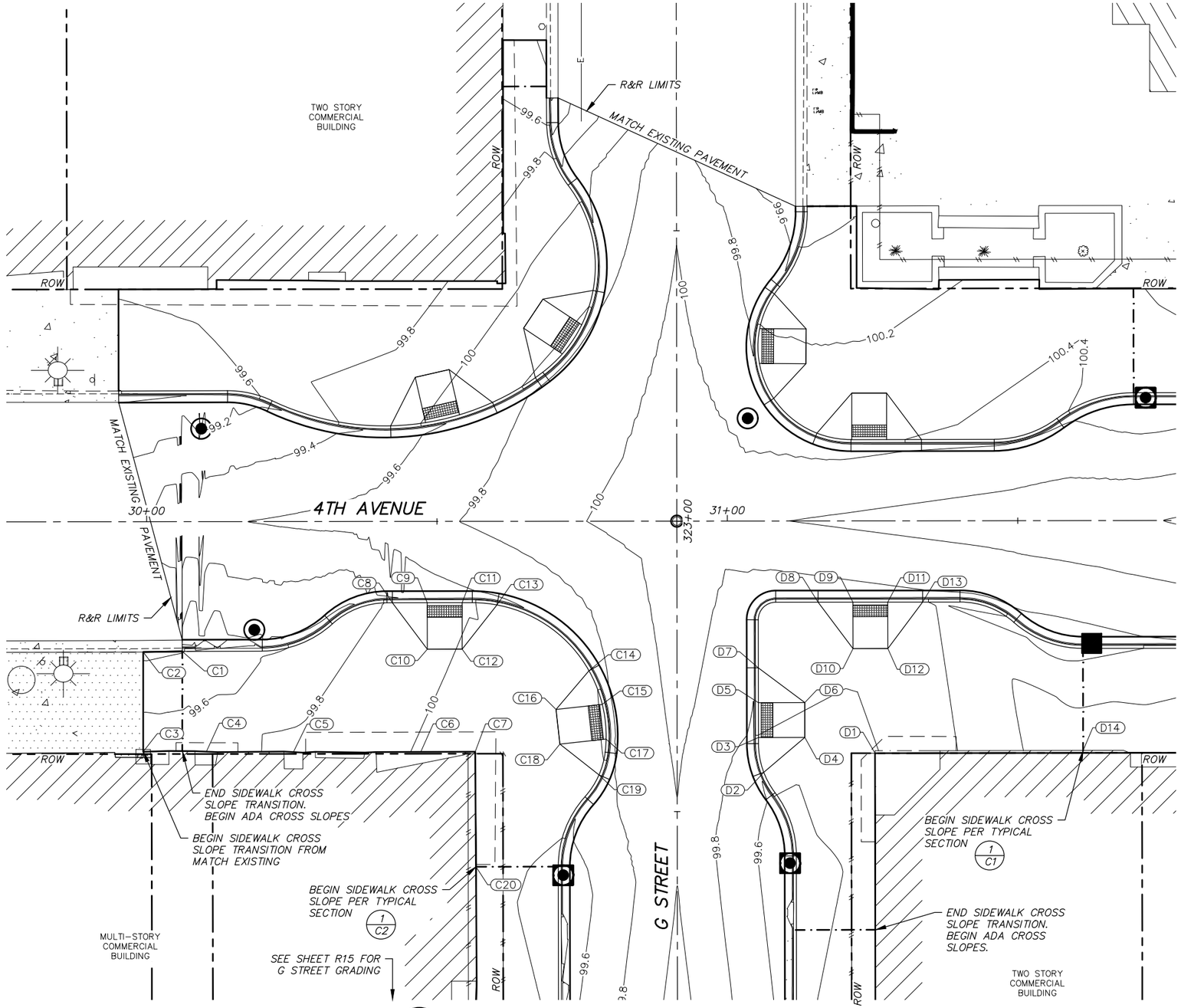
PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SIDEWALK AND CURB RAMP GRADING PLAN

LOCATION DESC.

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R11 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R11-R16 GRADING PLANS.dwg, 1:2, 5/13/24 at 10:14 by BRIAN.LEWIS



1 / R12 4TH AVE, G STREET GRADING PLAN

SIDEWALK GRADING TABLE

POINT	DESC.	STATION	OFFSET	ELEV
C1	PI	30+06.11	22.33 R	99.4± ME
C2	PI	29+99.37	22.45 R	99.4± ME
C3	PI	29+99.36	39.60 R	99.7± ME
C4	PI	30+10.24	39.59 R	99.76
C5	PI	30+25.22	39.70 R	99.77
C6	PI	30+47.14	39.74 R	99.91
C7	PI	30+56.54	39.66 R	100.10
C8	PI, RAMP, TBC	30+42.31	14.00 R	99.86
C9	PI, RAMP, TBC	30+48.31	14.00 R	99.68
C10	PI, RAMP	30+48.31	22.00 R	99.83
C11	PI, RAMP, TBC	30+54.31	14.00 R	99.74
C12	PI, RAMP	30+54.31	22.00 R	99.90
C13	PI, RAMP, TBC	30+60.31	14.39 R	100.16
C14	PI, RAMP, TBC	30+76.13	25.75 R	100.23
C15	PI, RAMP, TBC	30+78.41	31.53 R	99.84
C16	PI, RAMP	30+70.46	32.40 R	100.04
C17	PI, RAMP, TBC	30+79.07	37.50 R	99.83
C18	PI, RAMP	30+71.12	38.36 R	100.01
C19	PI, RAMP, TBC	30+77.84	43.67 R	100.19
C20	PI	30+56.65	59.47 R	100.04
D1	PI	31+25.38	40.00 R	100.19
D2	PI, RAMP, TBC	31+06.20	43.27 R	100.09
D3	PI, RAMP, TBC	31+05.30	37.27 R	99.80
D4	PI, RAMP	31+13.30	37.27 R	100.05
D5	PI, RAMP, TBC	31+05.30	31.27 R	99.85
D6	PI, RAMP	31+13.30	31.27 R	100.09
D7	PI, RAMP, TBC	31+05.30	25.27 R	100.28
D8	PI, RAMP, TBC	31+15.61	13.98 R	100.37
D9	PI, RAMP, TBC	31+21.61	13.99 R	99.99
D10	PI, RAMP	31+21.60	21.99 R	100.12
D11	PI, RAMP, TBC	31+27.61	13.99 R	100.00
D12	PI, RAMP	31+27.60	21.99 R	100.13
D13	PI, RAMP, TBC	31+33.61	14.00 R	100.42
D14	PI	31+61.21	39.62 R	100.61

NOTES:

1. SEE SHEETS R5-R10 FOR CURBLINE PLAN AND PROFILE.
2. CONSTRUCT PERPENDICULAR CURB RAMP I.A.W. MASS STD DETAIL 30-8.
3. SEE LANDSCAPE SHEETS FOR SIDEWALK COLOR AND FINISH SCORING PATTERN.

95% Plans
Not for Construction

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

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3909 ARCTIC BLVD, SUITE 400
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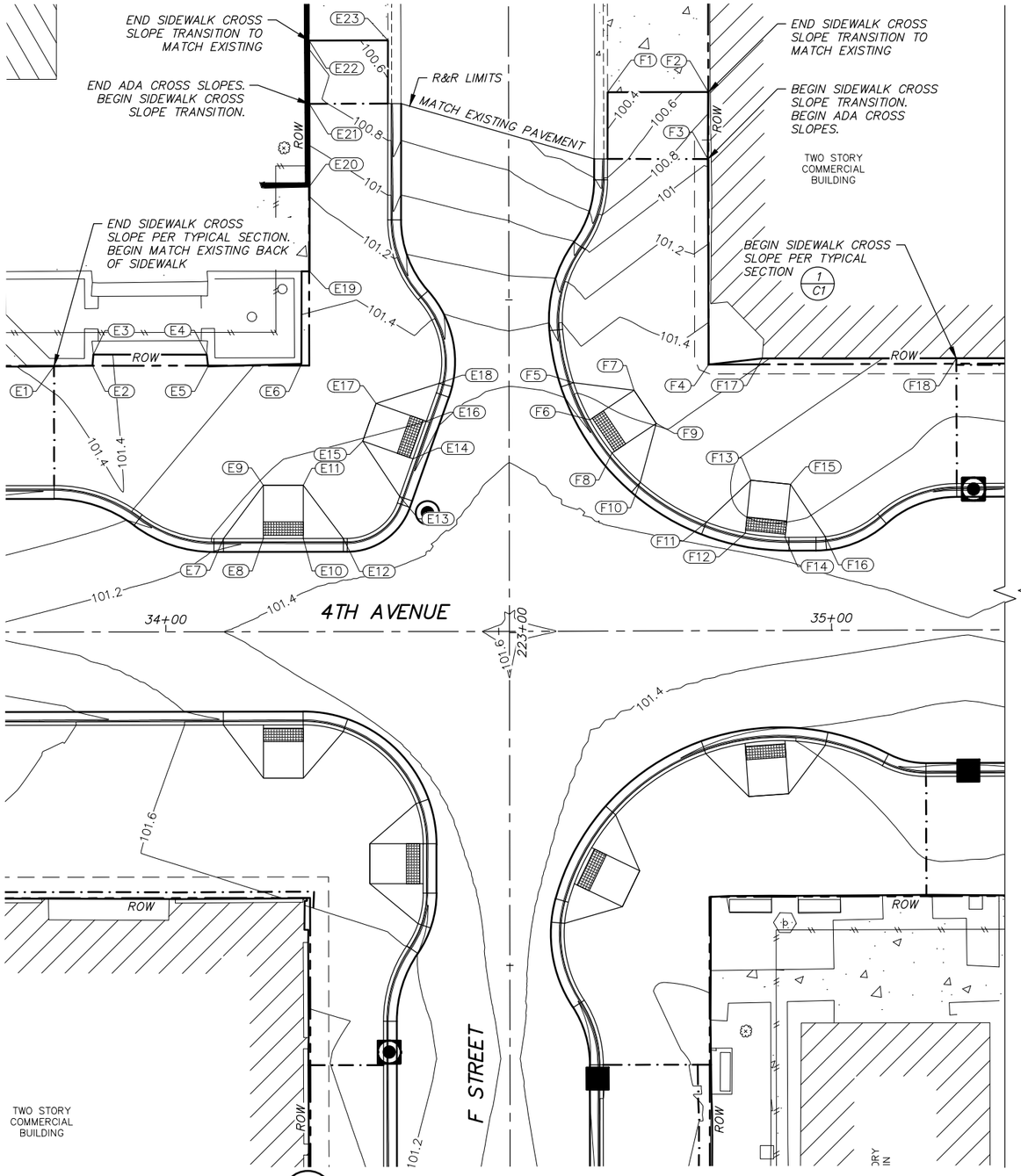
PROJECT NO. 21-22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

SIDEWALK AND CURB RAMP GRADING PLAN

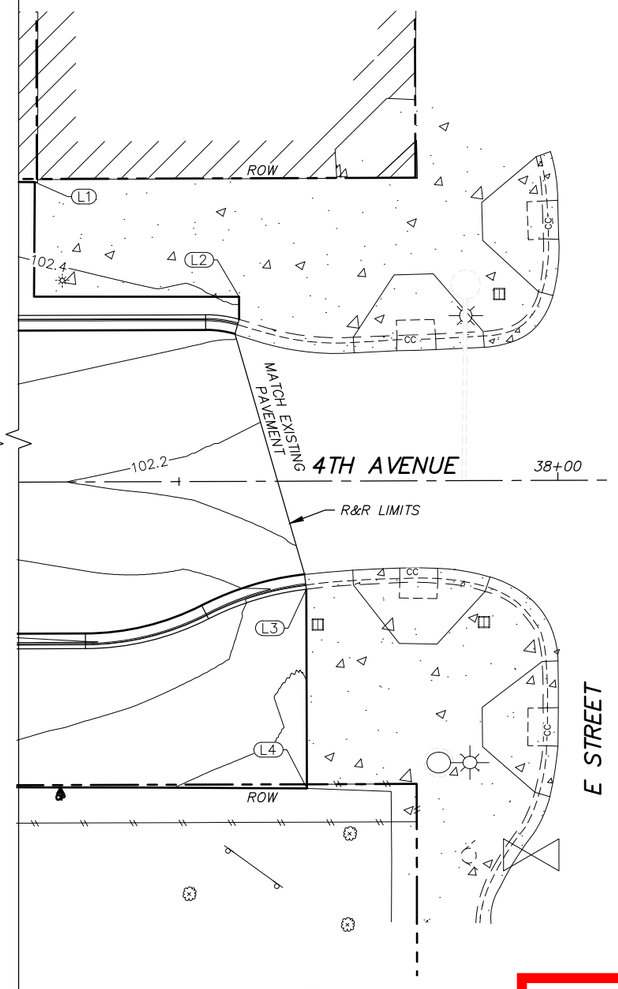
LOCATION DESC.

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R12 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R11-R16 GRADING PLANS.dwg, 1:2, 5/13/24 at 10:14 by BRIAN.LEWIS



1 R13 4TH AVE, F STREET GRADING PLAN



SIDEWALK GRADING TABLE

POINT	DESC.	STATION	OFFSET	ELEV
L1	PI	37+31.11	39.59 L	102.5± ME
L2	PI	37+58.01	24.37 L	102.4± ME
L3	PI	37+66.76	14.27 R	102.4± ME
L4	PI	37+66.76	40.54 R	102.8± ME

SIDEWALK GRADING TABLE

POINT	DESC.	STATION	OFFSET	ELEV
E1	PI	33+83.25	39.94 L	101.44
E2	PI	33+89.03	40.02 L	101.48
E3	PI	33+89.17	41.69 L	101.49
E4	PI	34+06.21	41.64 L	101.59
E5	PI	34+06.41	39.88 L	101.56
E6	PI	34+20.42	40.24 L	101.58
E7	PI, RAMP, TBC	34+08.67	14.00 L	101.64
E8	PI, RAMP, TBC	34+14.67	14.00 L	101.30
E9	PI, RAMP	34+14.67	22.00 L	101.46
E10	PI, RAMP, TBC	34+20.67	14.00 L	101.34
E11	PI, RAMP	34+20.67	22.00 L	101.50
E12	PI, RAMP, TBC	34+26.67	14.00 L	101.75
E13	PI, RAMP, TBC	34+35.15	20.30 L	101.69
E14	PI, RAMP, TBC	34+37.16	25.95 L	101.24
E15	PI, RAMP	34+29.62	28.63 L	101.48
E16	PI, RAMP, TBC	34+39.17	31.60 L	101.20
E17	PI, RAMP	34+31.63	34.28 L	101.44
E18	PI, RAMP, TBC	34+41.10	37.28 L	101.55
E19	PI	34+21.67	54.14 L	101.34
E20	PI	34+21.59	66.82 L	101.15
E21	PI	34+21.67	79.31 L	100.84
E22	PI	34+21.65	88.83 L	100.8± ME
E23	PI	34+33.47	88.85 L	100.5± ME
F1	PI	34+66.62	80.97 L	100.3± ME
F2	PI	34+81.75	80.94 L	100.7± ME
F3	PI	34+81.64	70.88 L	100.73
F4	PI	34+81.68	40.00 L	101.85
F5	PI, RAMP, TBC	34+61.36	37.34 L	101.58
F6	PI, RAMP, TBC	34+63.78	31.75 L	101.25
F7	PI, RAMP	34+70.44	36.18 L	101.54
F8	PI, RAMP, TBC	34+67.10	26.75 L	101.29
F9	PI, RAMP	34+73.77	31.18 L	101.59
F10	PI, RMAP, TBC	34+71.32	22.35 L	101.73
F11	PI, RAMP, TBC	34+81.24	16.34 L	101.78
F12	PI, RAMP, TBC	34+87.09	14.64 L	101.39
F13	PI, RAMP	34+87.94	22.59 L	101.73
F14	PI, RAMP, TBC	34+93.06	14.01 L	101.39
F15	PI, RAMP	34+93.90	21.96 L	101.73
F16	PI, RAMP, TBC	34+99.10	14.07 L	101.77
F17	PI	34+89.71	40.88 L	102.01
F18	PI	34+[illegible]	0.82 L	101.98

NOTES:

1. SEE SHEETS R5–R10 FOR CURBLINE PLAN AND PROFILE.
2. CONSTRUCT PERPENDICULAR CURB RAMP I.A.W. MASS STD DETAIL 30–8.
3. SEE LANDSCAPE SHEETS FOR SIDEWALK JOINT AND FINISH SCORING PATTERN

95% Plans

Not for Construction

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TELEPHONE/CABLE TV	KE	KE
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DESIGN	KE	KE
QUANTITIES	KE	KE
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MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

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PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SIDEWALK AND CURB RAMP GRADING PLAN

LOCATION DESC.

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R13 of R16

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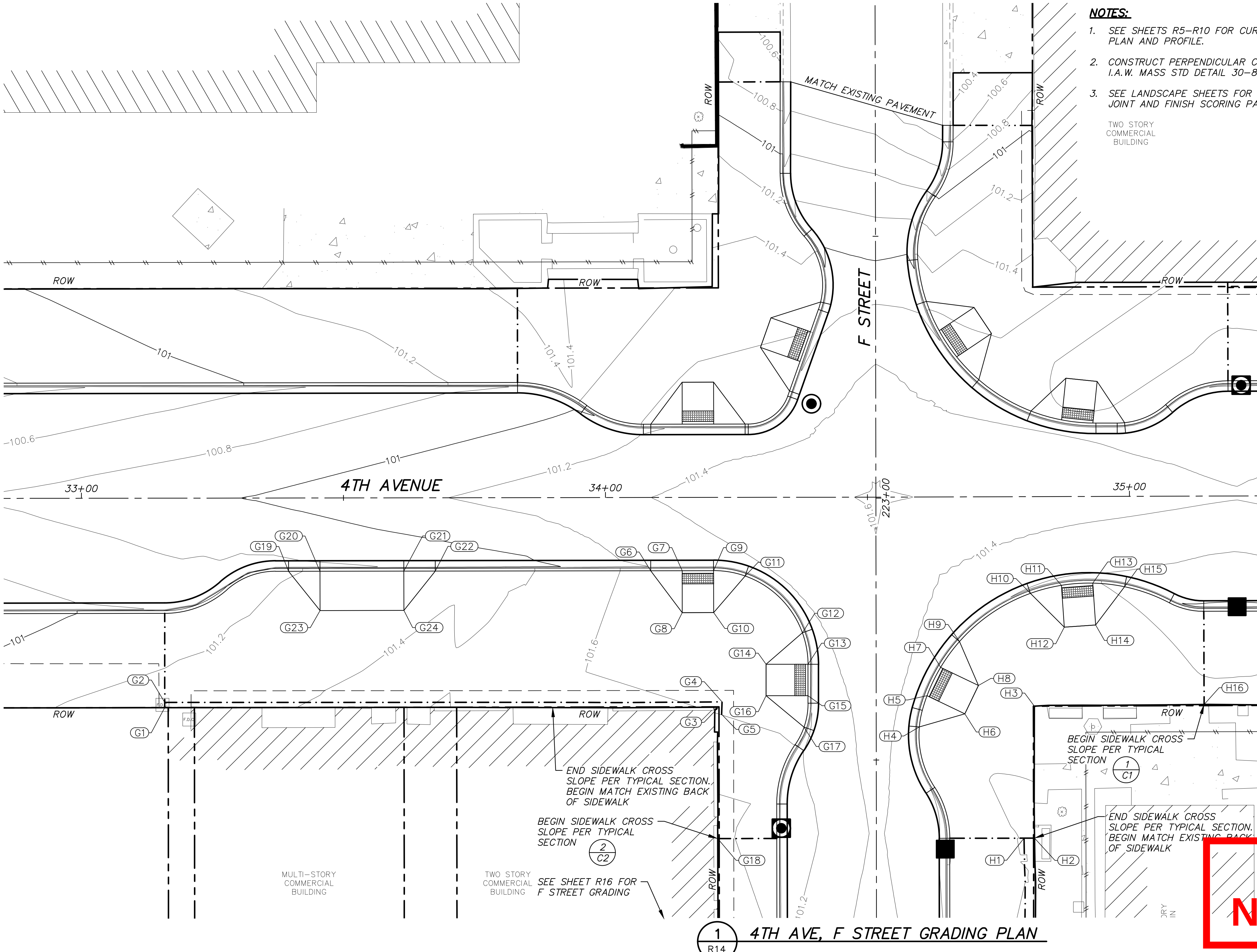

NOTES:

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2. CONSTRUCT PERPENDICULAR CURB RAMP I.A.W. MASS STD DETAIL 30-8.
3. SEE LANDSCAPE SHEETS FOR SIDEWALK JOINT AND FINISH SCORING PATTERN.

SIDEWALK GRADING TABLE

POINT	DESC.	STATION	OFFSET	ELEV
G1	PI	33+15.83	40.00 R	101.29
G2	PI	33+15.83	39.00 R	101.28
G3	PI	34+21.61	40.00 R	101.99
G4	PI	34+22.20	39.04 R	101.88
G5	PI	34+22.11	41.41 R	101.85
G6	PI, RAMP, TBC	34+08.62	14.00 R	101.59
G7	PI, RAMP, TBC	34+14.63	14.00 R	101.26
G8	PI, RAMP	34+14.62	22.00 R	101.74
G9	PI, RAMP, TBC	34+20.62	14.00 R	101.32
G10	PI, RAMP	34+20.62	22.00 R	101.79
G11	PI, RAMP, TBC	34+26.62	15.05 R	101.75
G12	PI, RAMP, TBC	34+37.52	25.88 R	101.76
G13	PI, RAMP, TBC	34+38.60	31.89 R	101.33
G14	PI, RAMP	34+30.60	31.87 R	101.81
G15	PI, RAMP, TBC	34+38.59	37.89 R	101.29
G16	PI, RAMP	34+30.59	37.87 R	101.77
G17	PI, RAMP, TBC	34+37.82	43.88 R	101.64
G18	PI	34+21.33	65.14 R	101.64
G19	PI, RAMP, TBC	33+39.51	14.00 R	101.19
G20	PI, RAMP, TBC	33+45.51	14.00 R	101.21
G21	PI, RAMP, TBC	33+61.50	14.00 R	101.28
G22	PI, RAMP, TBC	33+67.50	14.00 R	101.31
G23	PI, RAMP	33+45.51	21.50 R	101.27
G24	PI, RAMP	33+61.50	21.50 R	101.34
H1	PI	34+79.67	65.20 R	101.87
H2	PI	34+81.67	65.21 R	101.90
H3	PI	34+81.70	40.00 R	101.81
H4	PI, RAMP, TBC	34+59.75	43.89 R	101.76
H5	PI, RAMP, TBC	34+61.24	37.94 R	101.34
H6	PI, RAMP	34+68.44	41.42 R	101.70
H7	PI, RAMP, TBC	34+63.85	32.54 R	101.33
H8	PI, RAMP	34+71.05	36.02 R	101.65
H9	PI, RAMP, TBC	34+67.46	27.62 R	101.71
H10	PI, RAMP, TBC	34+81.04	18.47 R	101.65
H11	PI, RAMP, TBC	34+86.95	16.95 R	101.22
H12	PI, RAMP	34+87.48	24.94 R	101.58
H13	PI, RAMP, TBC	34+92.94	16.56 R	101.21
H14	PI, RAMP	34+93.47	24.54 R	101.57
[illegible]	PI, RAMP, TBC	[illegible]	[illegible]	[illegible]
[illegible]	PI	[illegible]	39.79 R	101.68

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Not for Construction

RECORD DRAWING

1. DATA PROVIDED BY: ____ TITLE: ____
   THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
   CONTRACTOR: ____
   BY: ____ TITLE: ____ DATE: ____
2. DATA TRANSFERRED BY: ____ TITLE: ____
   COMPANY: ____ DATE: ____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
   DATA TRANSFER CHECKED BY: ____ TITLE: ____
   COMPANY: ____ DATE: ____
   BY: ____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD — VERTICAL DATUM — REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CONSULTANT — SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 — SCHEDULE A

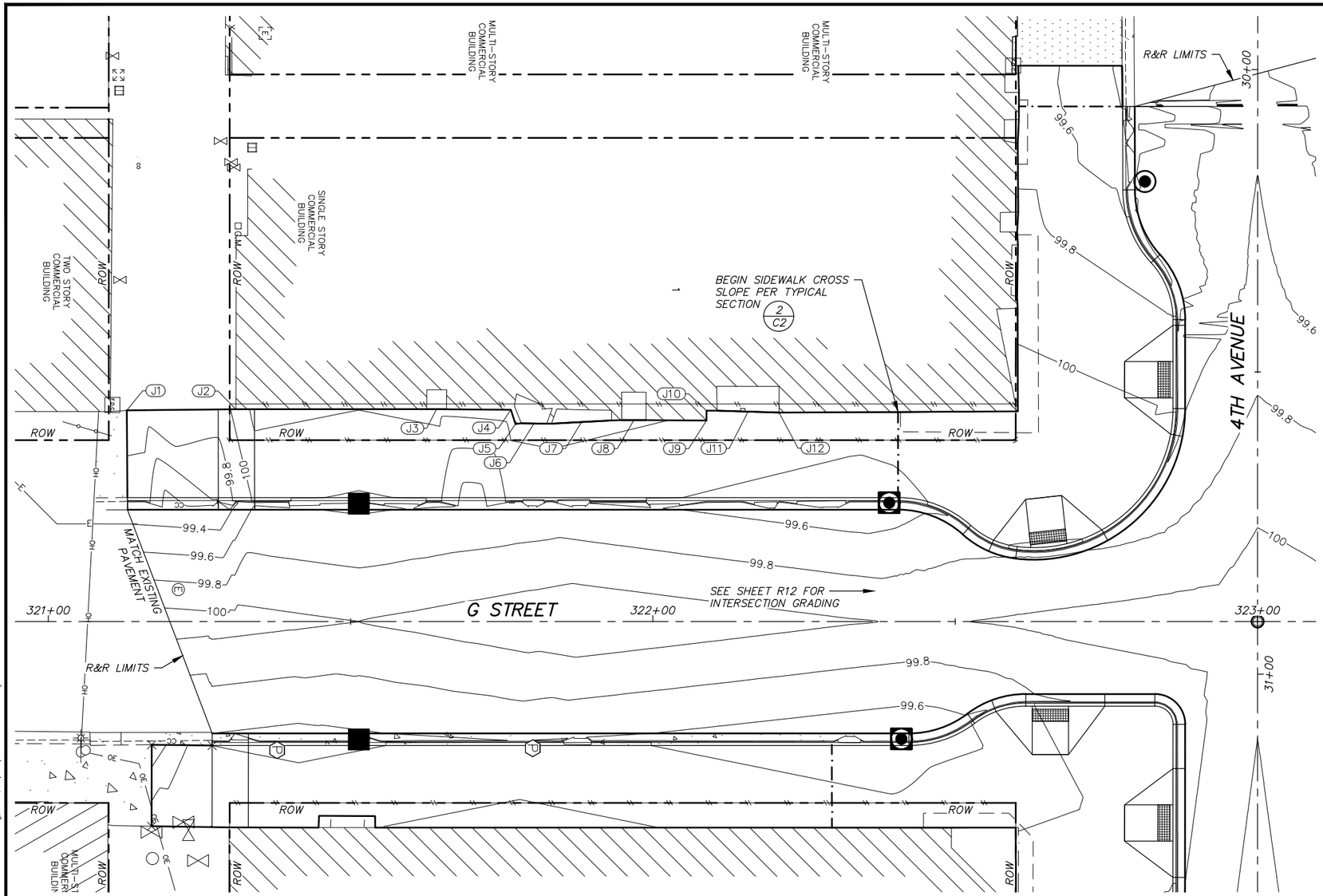
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SIDEWALK AND CURB RAMP GRADING PLAN

LOCATION DESC.

SCALE HOR. 1"=20' VER. N/A — GRID 1230 — DATE JUN 2024 — STATUS: PRELIMINARY — SHEET R14 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R11-R16 GRADING PLANS.dwg, 1:2, 5/13/24 at 10:14 by BRIAN.LEWIS



1 / R15 G STREET GRADING PLAN

SIDEWALK GRADING TABLE

POINT	DESC.	STATION	OFFSET	ELEV
J1	PI	321+12.99	34.94 L	99.9± ME
J2	PI	321+31.03	35.11 L	100.08
J3	PI	321+64.21	35.14 L	100.20
J4	PI	321+76.52	35.03 L	100.18
J5	PI	321+77.27	32.68 L	100.14
J6	PI	321+80.33	32.77 L	100.13
J7	PI	321+88.19	33.00 L	100.16
J8	PI	321+96.85	33.32 L	100.22
J9	PI	322+08.86	33.25 L	100.13
J10	PI	322+08.87	34.88 L	100.17
J11	PI	322+15.74	34.73 L	100.13
J12	PI	322+20.85	34.57 L	100.05

NOTES:

1. SEE SHEETS R5–R10 FOR CURBLINE PLAN AND PROFILE.
2. CONSTRUCT PERPENDICULAR CURB RAMP I.A.W. MASS STD DETAIL 30–8.
3. SEE LANDSCAPE SHEETS FOR SIDEWALK JOINT AND FINISH SCORING PATTERN.
4. WORK IN ALLEY IS TO FACILITATE ELECTRICAL SERVICE TRENCH FOR NEW LOAD CENTER ON G STREET. COORDINATE WORK WITH CEA. ALLEY TRENCH REPAIR DIMENSIONS MAY VARY WITH APPROVAL OF THE ENGINEER. MAINTAIN EXISTING DRAINAGE PATTERNS.

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RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
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COMPANY: _____ DATE: _____
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD | VERTICAL DATUM | REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

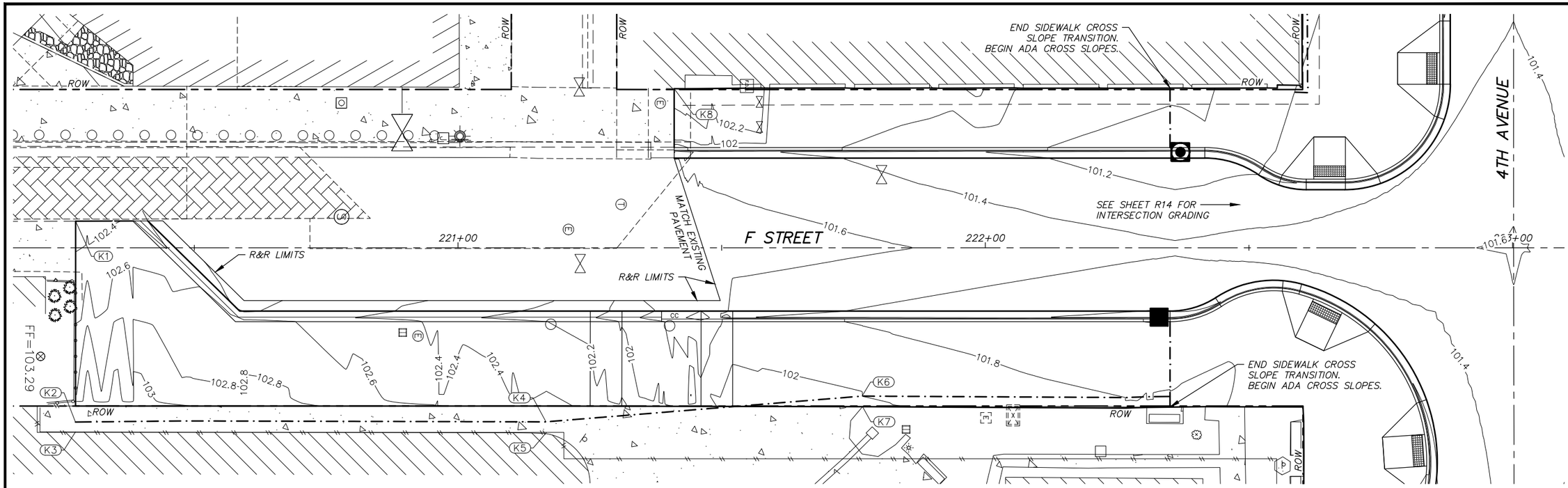
SEAL

MUNICIPALITY OF ANCHORAGE
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET
SIDEWALK AND CURB RAMP
GRADING PLAN
LOCATION DESC.

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R15 of R16

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R11-R16 GRADING PLANS.dwg, 1:2, 5/13/24 at 10:14 by BRIAN.LEWIS



1 R16 F STREET GRADING PLAN

SIDEWALK GRADING TABLE

POINT	DESC.	STATION	OFFSET	ELEV
K1	PI	220+27.50	5.04 L	102.3± ME
K2	PI	220+27.46	33.03 R	102.3± ME
K3	PI	220+27.46	34.91 R	103.2± ME
K4	PI	221+16.69	33.00 R	102.41
K5	PI	221+16.76	35.00 R	102.51
K6	PI	221+76.64	28.12 R	102.01
K7	PI	221+76.71	30.12 R	102.03
K8	PI	221+41.00	30.17 L	102.3± KE

NOTES:

1. *SEE SHEETS R5–R10 FOR CURBLINE PLAN AND PROFILE.*
2. *CONSTRUCT PERPENDICULAR CURB RAMP I.A.W. MASS*
3. *SEE LANDSCAPE SHEETS FOR SIDEWALK JOINT AND FINISH SCORING PATTERN.*

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RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR–PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
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(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

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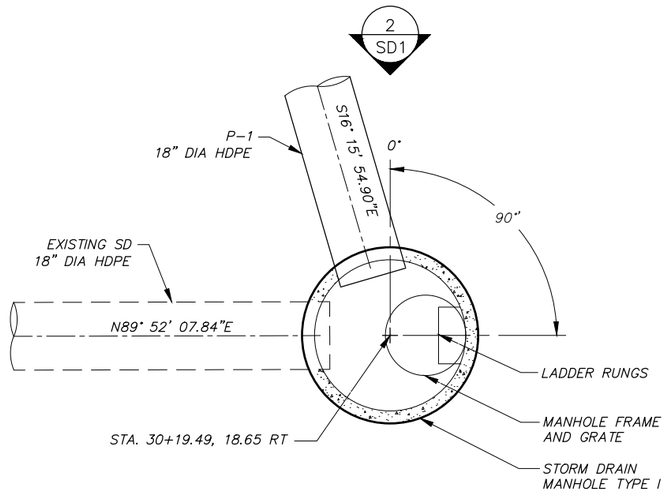
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

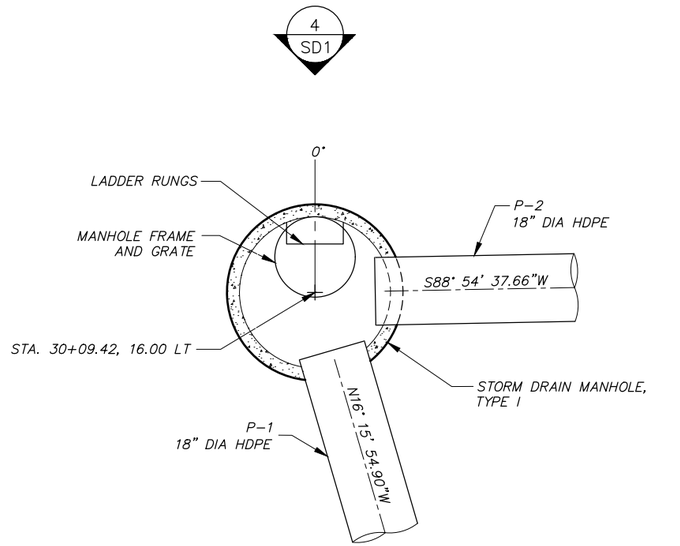
PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET
SIDEWALK AND CURB RAMP
GRADING PLAN
LOCATION DESC.

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET R16 of R16

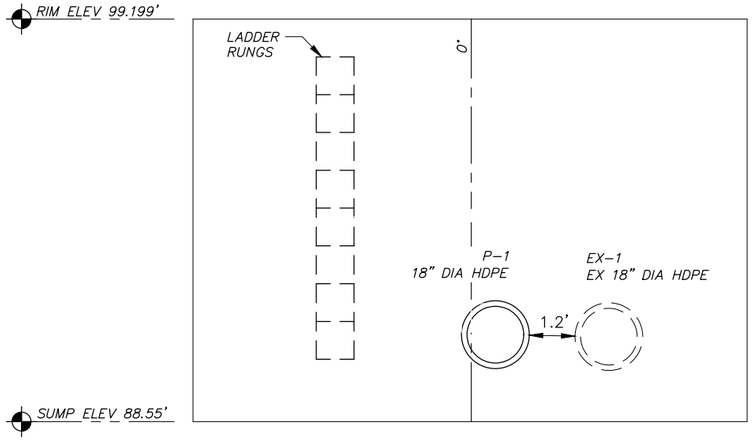
Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_R11–R16 GRADING PLANS.dwg, 1:2, 5/13/24 at 10:14 by BRIAN.LEWIS



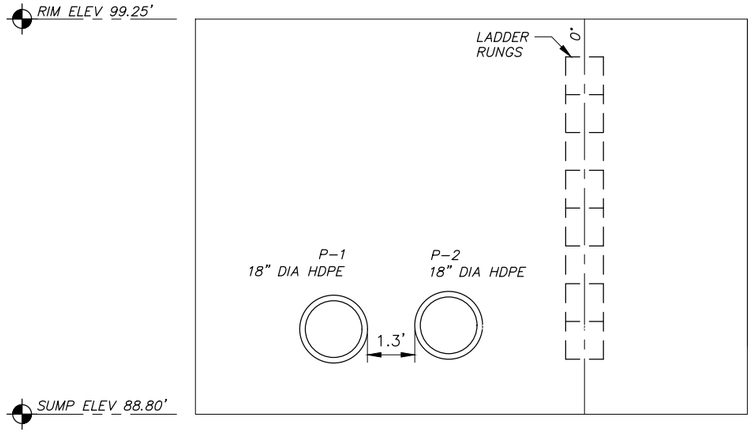
1 SD1 **S–1 (TYPE I)**
SCALE: NTS — PLAN VIEW



3 SD1 **S–2 (TYPE I)**
SCALE: NTS — PLAN VIEW



2 SD1 **S–1 (TYPE I)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW



4 SD1 **S–2 (TYPE I)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW

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RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
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BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

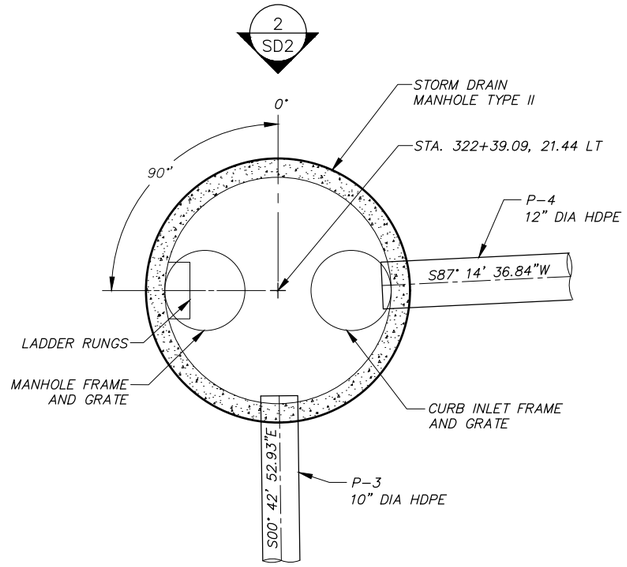
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

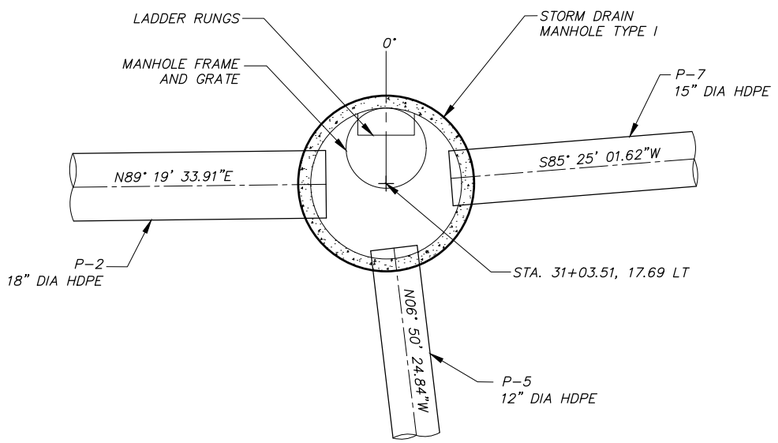
PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

STORM DRAIN DETAILS

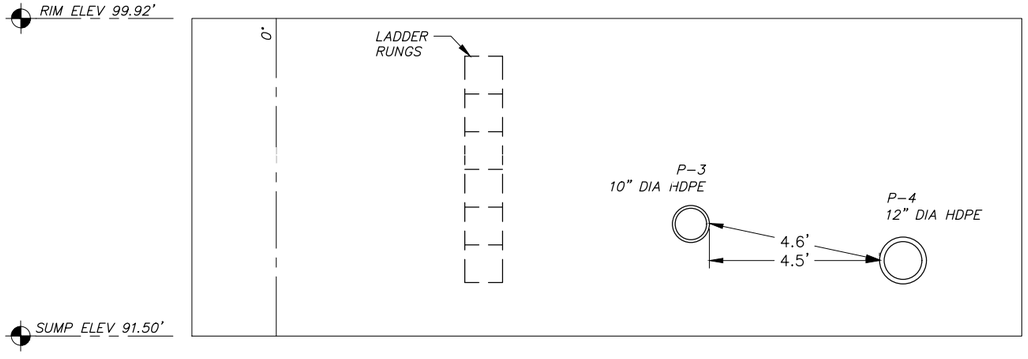
SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET SD1 of SD5



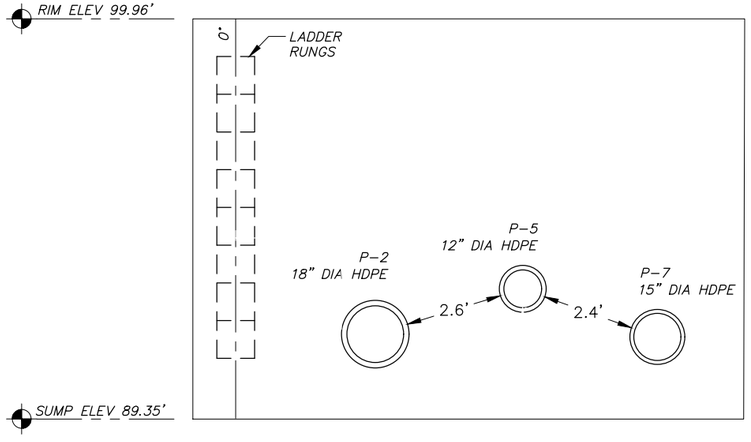
1 SD2 **S-3 (TYPE II)**
SCALE: NTS — PLAN VIEW



3 SD2 **S-5 (TYPE I)**
SCALE: NTS — PLAN VIEW



2 SD2 **S-3 (TYPE II)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW



4 SD2 **S-5 (TYPE I)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW

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Not for Construction

RECORD DRAWING
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

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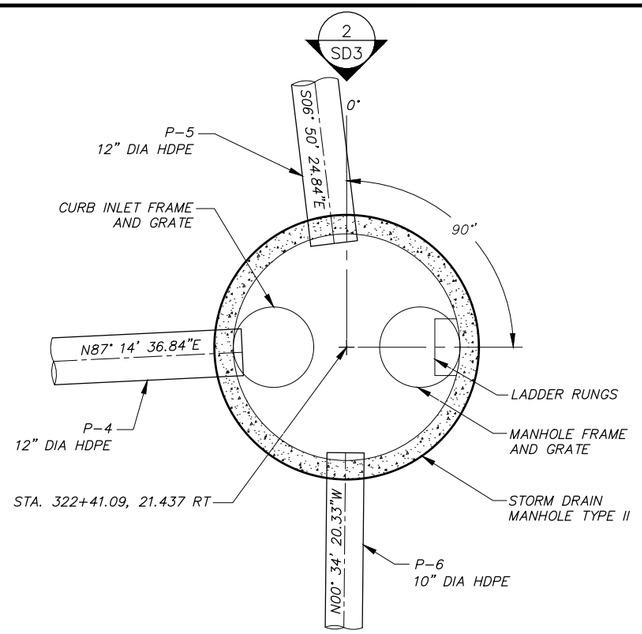
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

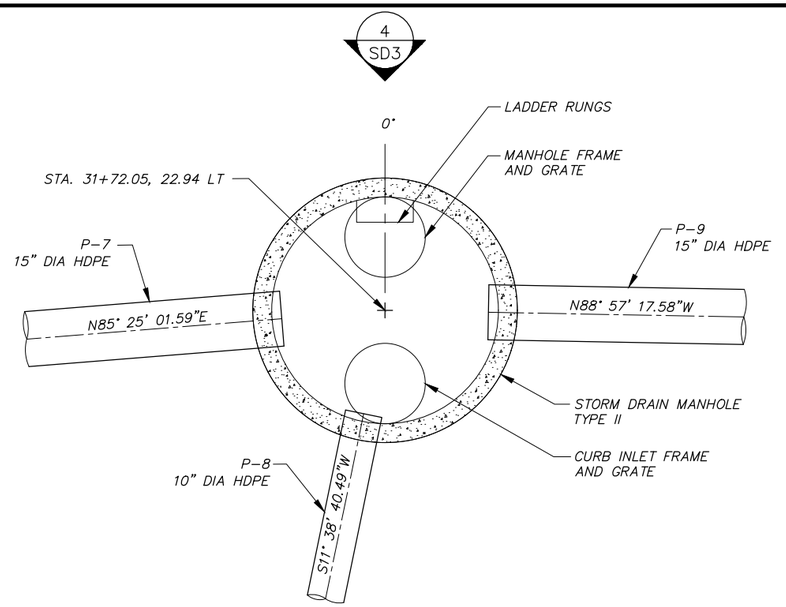
PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

STORM DRAIN DETAILS

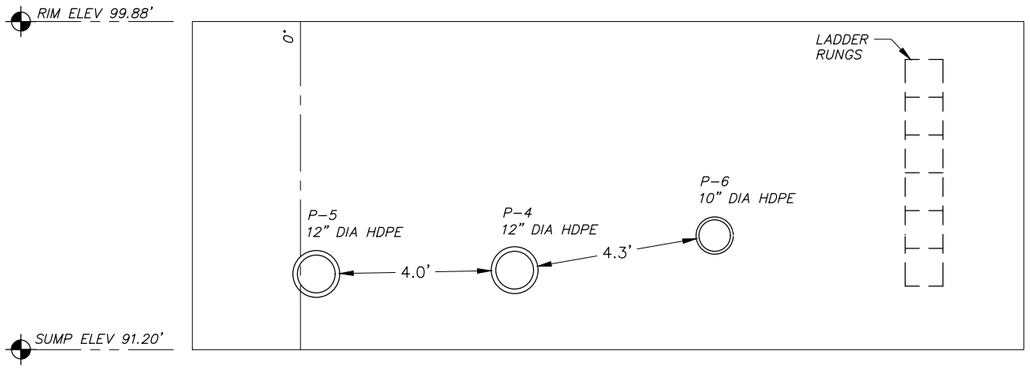
SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET SD2 of SD5



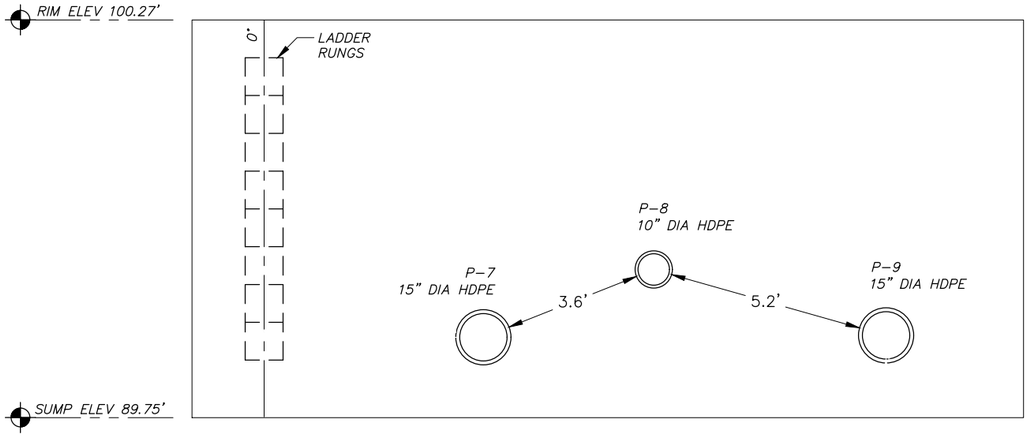
1 SD3 **S-6 (TYPE II)**
SCALE: NTS — PLAN VIEW



3 SD3 **S-9 (TYPE II)**
SCALE: NTS — PLAN VIEW



2 SD3 **S-6 (TYPE II)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW



4 SD3 **S-9 (TYPE II)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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CONTRACTOR: _____
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COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD — VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

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CONSULTANT — SEAL

MUNICIPALITY OF ANCHORAGE

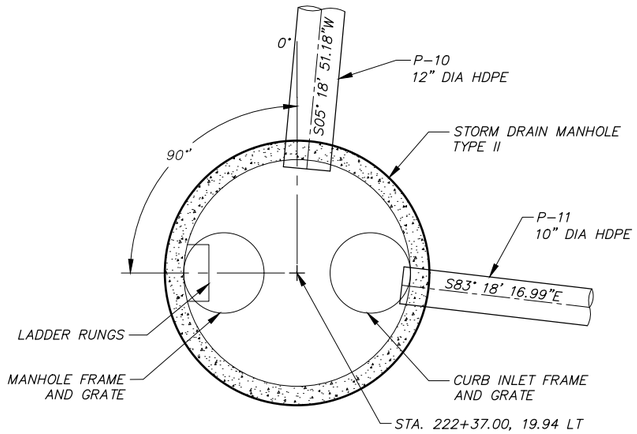
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

STORM DRAIN DETAILS

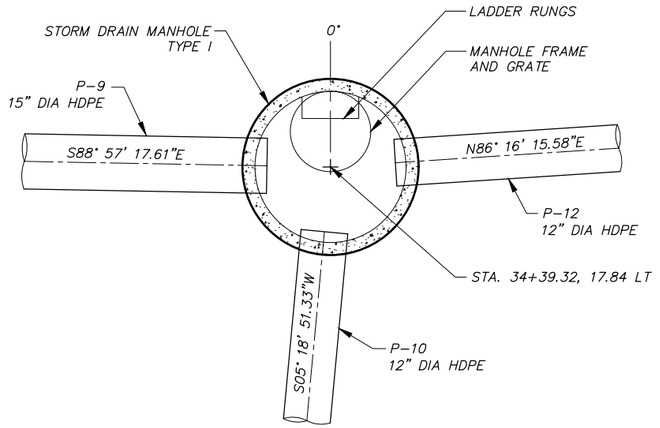
SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET SD3 of SD5

2 SD4

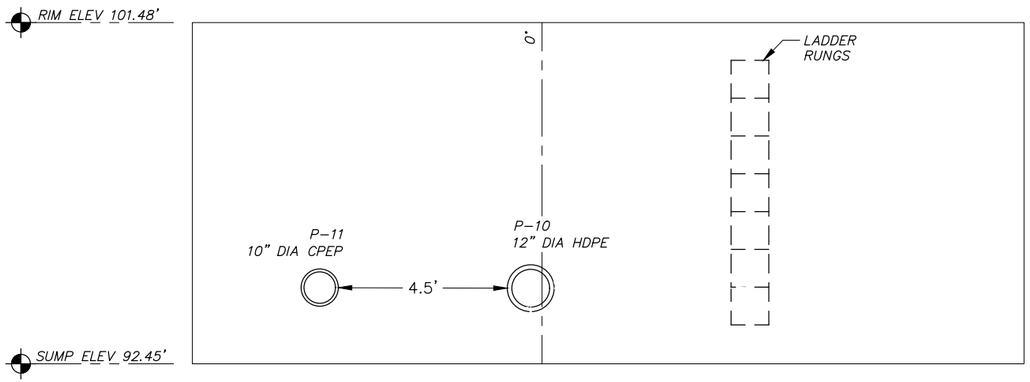


1 SD4 **S-10 (TYPE II)**
SCALE: NTS — PLAN VIEW

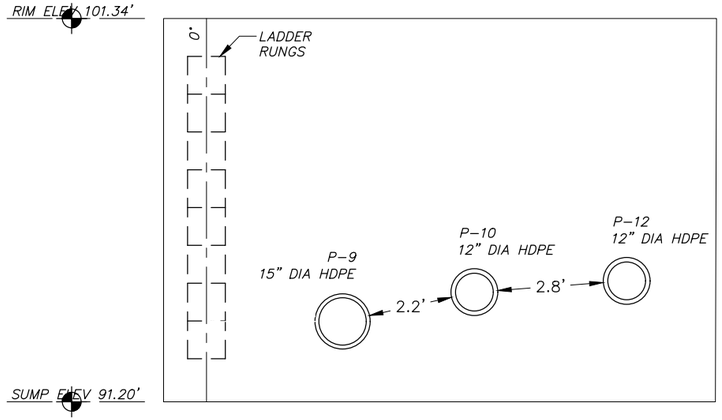
4 SD4



3 SD4 **S-11 (TYPE I)**
SCALE: NTS — PLAN VIEW



2 SD4 **S-10 (TYPE II)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW



4 SD4 **S-11 (TYPE I)**
SCALE: NTS — UNROLLED EXTERIOR ELEVATION VIEW

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

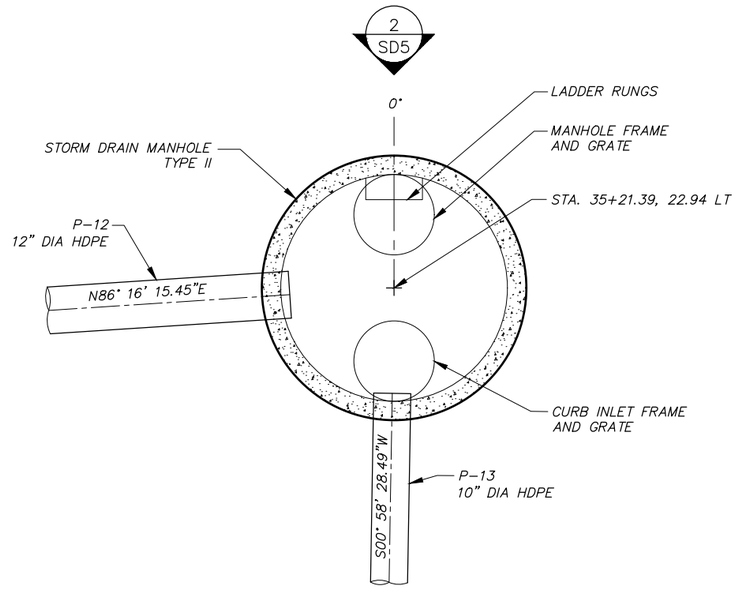
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

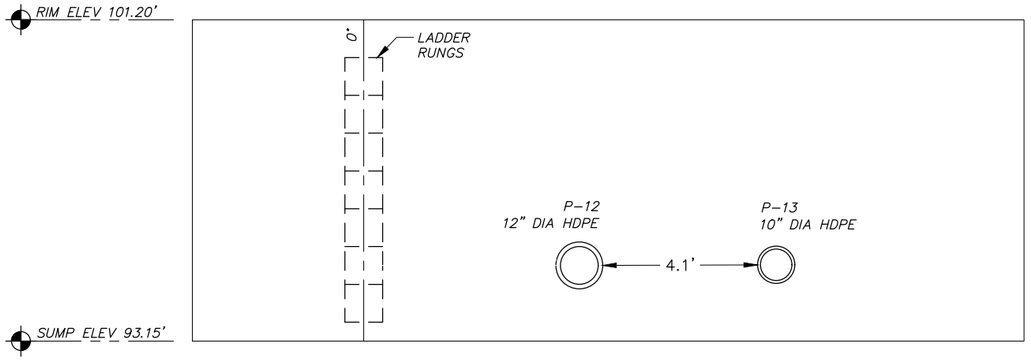
STORM DRAIN DETAILS

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET SD4 of SD5



1 SD5 **S-13 (TYPE II)**

SCALE: NTS PLAN VIEW



2 SD5 **S-13 (TYPE II)**

SCALE: NTS UNROLLED EXTERIOR ELEVATION VIEW

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
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AECL 1102

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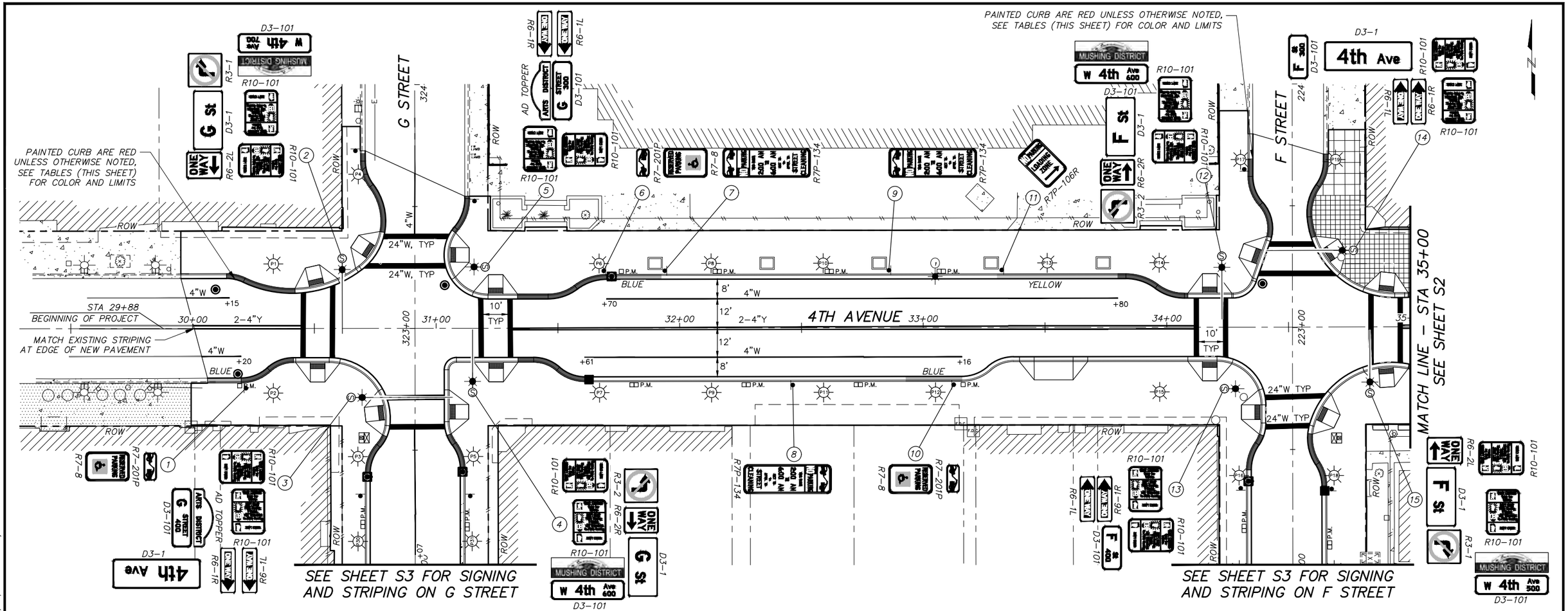
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

STORM DRAIN DETAILS

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET SD5 of SD5



PAVEMENT MARKING NOTES:

1. DIMENSIONS ARE TO CENTER OF SINGLE STRIPE, TO CENTER OF PAIR OF STRIPES, LIP OF CURB & GUTTER, OR TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. LONGITUDINAL ROADWAY PAVEMENT MARKINGS SHALL BE INLAID (125 MIL) METHYL METHACRYLATE (MMA). ALL CROSSWALKS, TRANSVERSE MARKINGS AND SYMBOLS SHALL BE INLAID (250 MIL) MMA.
3. APPLY TWO COATS OF SURFACE APPLIED RED, YELLOW OR BLUE MMA TO THE CURB AND GUTTER WHERE SHOWN ON PLANS. NO GLASS BEADS SHALL BE USED ON PAINTED CURBS.
4. ALL TRAFFIC MARKING WORK SHALL BE I.A.W. M.A.S.S. SECTION 70.10 AND M.A.S.S. STD DETAILS 70–7 AND 70–8.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
6. IF NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED, USE A TAPER RATIO OF 50:1 TO MATCH EXISTING.
7. EXISTING MARKINGS SHOWN FOR REFERENCE ONLY, FIELD VERIFY ALL EXISTING STRIPING DIMENSIONS AND MATCH LOCATIONS.
8. STRIPING TO OCCUR BETWEEN 10PM AND 4AM.
9. PAINTED CURB STATIONS ARE APPROXIMATE. SEVEN (7) DAYS PRIOR TO CURB PAINTING, CONTACT THE ENGINEER AND MOA PAINT AND SIGN SHOP TO VERIFY LOCATIONS.

YELLOW PAINTED CURB (MMA)

BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
33+30.4	20' LT	33+79.9	22' LT	4TH AVE CL

BLUE PAINTED CURB (MMA)

BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
30+06.1	20.3' RT	30+19.9	22.3' RT	4TH AVE CL
31+70.0	22' LT	31+92.4	20' LT	4TH AVE CL
32+92.9	20' RT	33+15.9	22' RT	4TH AVE CL

RED PAINTED CURB (MMA)

BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
30+13.9	20.5' LT	30+42.6	14.5' LT	4TH AVE CL
30+19.9	22.3' RT	30+41.3	12.0' RT	4TH AVE CL
31+33.4	12' LT	31+70.0	22' LT	4TH AVE CL
31+33.6	14' RT	31+60.9	20' RT	4TH AVE CL
33+15.9	22' RT	33+37.0	12' RT	4TH AVE CL
33+33.9	22' LT	34+09.7	12' LT	4TH AVE CL

PARKING METER POST NOTES:

1. APPROXIMATE LOCATION SHOWN FOR PARKING METER POSTS. SEVEN (7) DAYS PRIOR TO INSTALLING PARKING METERS POST, CONTACT THE ENGINEER AND EASYPARK TO VERIFY LOCATIONS.
2. INSTALL 9 POSTS ALONG 4TH AVENUE ON THIS SHEET. SEE SHEET S3 FOR PARKING METERS ON G STREET AND F STREET.

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
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3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR–PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT | SEAL

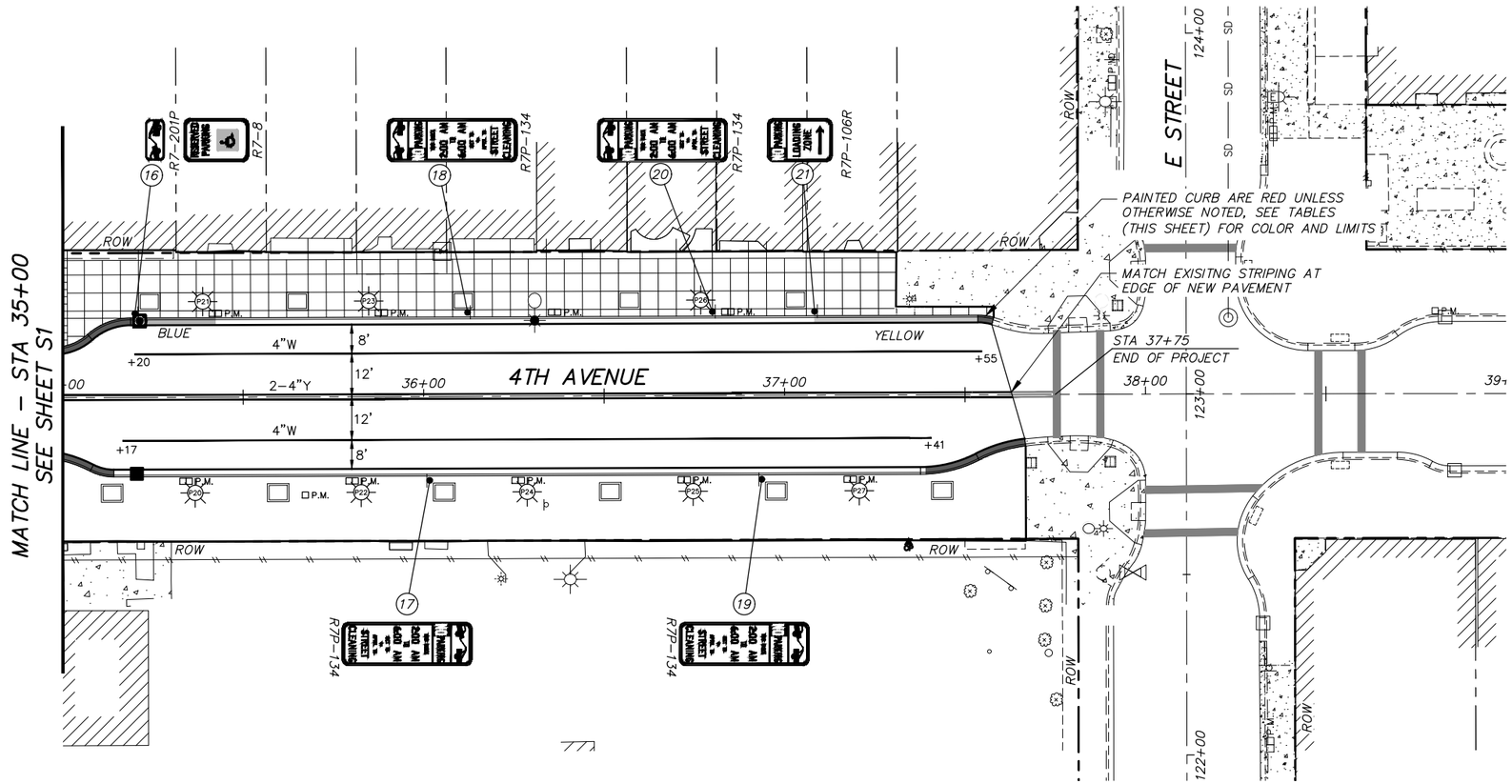
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SIGNING AND STRIPING PLAN 4TH AVENUE

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S1 of S9



BLUE PAINTED CURB (MMA)				
BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
35+23.1	20' LT	35+42.4	22' LT	4TH AVE CL

YELLOW PAINTED CURB (MMA)				
BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
37+08.4	22' LT	37+53.7	20' LT	4TH AVE CL

RED PAINTED CURB (MMA)				
BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
34+98.7	12' LT	35+19.7	22' LT	4TH AVE CL
34+98.9	15.2' RT	35+14.1	22' RT	4TH AVE CL
37+40.4	19.9' RT	37+66.5	12.3' RT	4TH AVE CL
37+53.6	20' LT	37+53.6	19.4' LT	4TH AVE CL

PARKING METER POST NOTES:

1. *APPROXIMATE LOCATION SHOWN FOR PARKING METER POSTS. SEVEN (7) DAYS PRIOR TO INSTALLING PARKING METERS POST, CONTACT THE ENGINEER AND EASYPARK TO VERIFY LOCATIONS.*
2. *INSTALL 9 POSTS ALONG 4TH AVENUE ON THIS SHEET.*

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR–PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS

VERTICAL DATUM

TBM NO. | LOCATION | ELEV.

REVISIONS

REV | DATE | DESCRIPTION | BY

CONSULTANT

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
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AECL 1102

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SIGNING AND STRIPING PLAN 4TH AVENUE

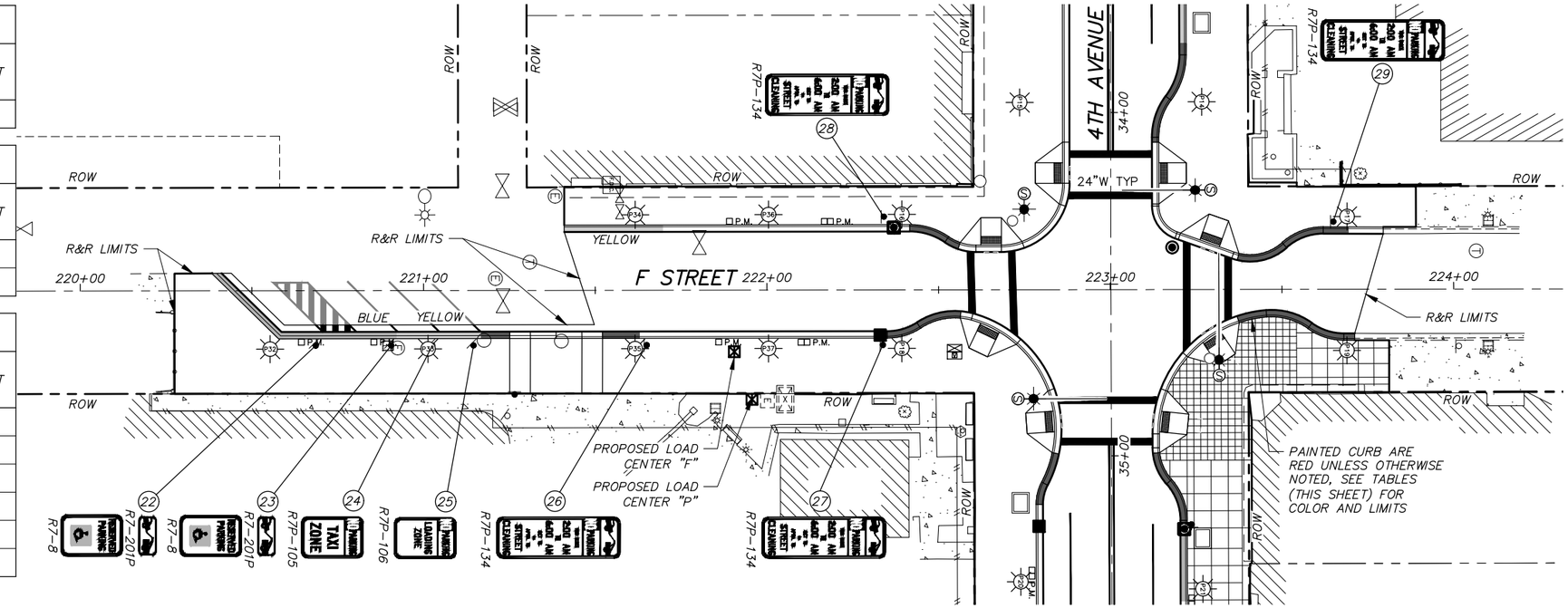
SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S2 of S9

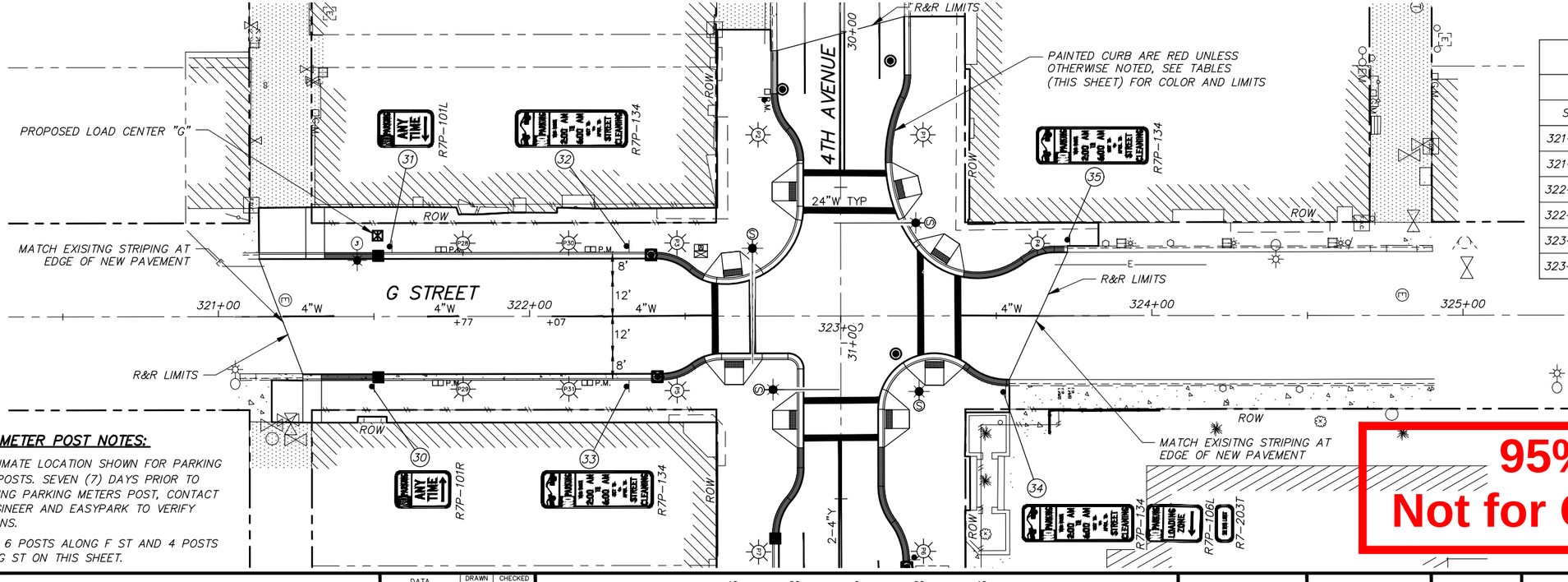
Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_S1–S2 SIGNING AND STRIPING.dwg, 1:2, 5/22/24 at 14:11 by IAIN.MCPHERSON

BLUE PAINTED CURB (MMA)				
BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
220+38.3	5.1' LT	220+92.3	12' RT	F ST CL

YELLOW PAINTED CURB (MMA)				
BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
220+92.3	12' RT	221+16.5	12' RT	F ST CL
221+41.0	16.8' LT	221+69.6	16.8' LT	F ST CL

RED PAINTED CURB (MMA)				
BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
221+16.5	12' RT	221+25.1	12' RT	F ST CL
221+52.1	12' RT	221+62.8	12' RT	F ST CL
222+34.8	12' RT	222+57.2	6.3' RT	F ST CL
222+41.6	17' LT	222+56.2	11.7' LT	F ST CL
223+36.4	8.0' RT	223+71.2	12.8' RT	F ST CL
223+36.5	8.7' LT	223+69.3	16.2' LT	F ST CL





RED PAINTED CURB (MMA)				
BEGIN		END		ALIGNMENT
STA	OFFSET	STA	OFFSET	
321+33.1	20.5' RT	321+49.6	18.5 RT	G ST CL
321+34.1	20.5' LT	321+50.6	18.5' LT	G ST CL
322+40.6	18.5' LT	322+56.1	11.4' LT	G ST CL
322+42.8	18.4' RT	322+56.6	12.8' RT	G ST CL
323+38.8	12.5' LT	323+71.8	20.4' LT	G ST CL
323+39.7	14.8' RT	323+54.2	20.5' RT	G ST CL

PARKING METER POST NOTES:

1. APPROXIMATE LOCATION SHOWN FOR PARKING METER POSTS. SEVEN (7) DAYS PRIOR TO INSTALLING PARKING METERS POST, CONTACT THE ENGINEER AND EASYPARK TO VERIFY LOCATIONS.
2. INSTALL 6 POSTS ALONG F ST AND 4 POSTS ALONG G ST ON THIS SHEET.

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

40 20 0 20 40

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

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MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SIGNING AND STRIPING PLAN G STREET AND F STREET

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S3 of S9

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_S1-S2 SIGNING AND STRIPING.dwg, 1:2, 5/22/24 at 14:11 by IAIN.MCPHERSON

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	C/L REF.	TYPE	LEGEND	WIDTH (INCHES)	HEIGHT (INCHES)	AREA (SF)	SIGN FACES	SIGN POST	REMARKS
S1	1	30+22	24.50' RT	R7-201P	(TOW AWAY)	12	6	0.50	W	2.5" X 2.5" P.S.T	
				R7-8	RESERVED PARKING (ADA)	12	18	1.50			
	2	30+61	28.68' LT	D3-1	G St	48	24	8.00	E	N/A	MOUNT ON SIGNAL POLE G1 MAST ARM. SEE SIGNAL PROFILES FOR MORE INFORMATION
				R3-1	RT TURN PROHIBITED	24	24	4.00	E		
				R6-2L	ONE WAY	24	30	5.00	E		
				MD TOPPER	MUSHING DISTRICT TOPPER	30	8.5	1.77	N/S		
				D3-101	W 4th Ave 700	30	8	1.67			ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE G1 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	N		MOUNT ON SIGNAL POLE G1 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	W		
	3	30+65	28.36' RT	D3-1	4TH AVE	72	24	12.00	N	N/A	MOUNT ON SIGNAL POLE G4 MAST ARM. SEE SIGNAL PROFILES FOR MORE INFORMATION
				AD TOPPER	ARTS DISTRICT TOPPER	30	8.5	1.77	E/W		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE G4 SHAFT
				D3-101	G STREET 400	24	8	1.33			ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE G4 SHAFT
				R6-1L	ONE WAY (ARROW LEFT)	36	12	3.00	E		MOUNT ON SIGNAL POLE G4 SHAFT
				R6-1R	ONE WAY (ARROW RIGHT)	36	12	3.00	W		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	W		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	S		
	4	31+15	26.34' RT	D3-1	G St	48	24	8.00	W	N/A	MOUNT ON SIGNAL POLE G3 MAST ARM. SEE SIGNAL PROFILES FOR MORE INFORMATION
				R6-2R	ONE WAY	24	30	5.00	W		
				R3-2	LT TURN PROHIBITED	24	24	4.00	W		
				MD TOPPER	MUSHING DISTRICT TOPPER	30	8.5	1.77	N/S		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE G3 SHAFT
				D3-101	W 4th Ave 600	30	8	1.67	N/S		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE G3 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	E		MOUNT ON SIGNAL POLE G3 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	S		
	5	31+20	25.12' LT	AD TOPPER	ARTS DISTRICT TOPPER	30	8.5	1.77	E/W	N/A	ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE G2 SHAFT
				D3-101	G STREET 300	30	8	1.67	E/W		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE G2 SHAFT
				R6-1L	ONE WAY (ARROW LEFT)	36	12	3.00	E		MOUNT ON SIGNAL POLE G2 SHAFT
				R6-1R	ONE WAY (ARROW RIGHT)	36	12	3.00	W		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	N		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	E		
	6	31+69	23.50' LT	R7-201P	(TOW AWAY)	12	6	0.50	E	2.5" X 2.5" P.S.T	
				R7-8	RESERVED PARKING (ADA)	12	18	1.50			

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	C/L REF.	TYPE	LEGEND	WIDTH (INCHES)	HEIGHT (INCHES)	AREA (SF)	SIGN FACES	SIGN POST	REMARKS
S1	7	31+88	23.5' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	E	2.5" X 2.5" P.S.T	
	8	32+46	23.5' RT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	W	2.5" X 2.5" P.S.T	
	9	32+80	23.5' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	E	2.5" X 2.5" P.S.T	
	10	33+17	23.5' RT	R7-201P	(TOW AWAY)	12	6	0.50	W	2.5" X 2.5" P.S.T	
				R7-8	RESERVED PARKING (ADA)	12	18	1.50			
	11	33+32	23.5' LT	R7P-106R	NO PARKING / LOADING ZONE / ARROW RIGHT	12	18	1.50	E	2.5" X 2.5" P.S.T	
	12	34+23	29.12' LT	D3-1	F St	48	24	8.00	E	N/A	MOUNT ON SIGNAL POLE F1 MAST ARM. SEE SIGNAL PROFILES FOR MORE INFORMATION
				R2-6R	ONE WAY	24	30	5.00	E		
				R3-2	LT TURN PROHIBITED	24	24	4.00	E		
				MD TOPPER	MUSHING DISTRICT TOPPER	30	8.5	1.77	N/S		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE F1 SHAFT
				D3-101	W 4th Ave 600	30	8	1.67	N/S		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE F1 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	N		MOUNT ON SIGNAL POLE F1 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	W		
	13	34+24	25.22' RT	D3-101	F St 400	18	8	1.00	E/W	N/A	ONE SIDE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE F4 SHAFT
				R6-1L	ONE WAY (ARROW LEFT)	36	12	3.00	W		MOUNT ON SIGNAL POLE F4 SHAFT
				R6-1R	ONE WAY (ARROW RIGHT)	36	12	3.00	E		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	W		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	S		
	14	34+77	31.42' LT	D3-1	4TH AVE	72	24	12.00	S	N/A	MOUNT ON SIGNAL POLE F2 MAST ARM. SEE SIGNAL PROFILES FOR MORE INFORMATION
				D3-101	F St 300	18	8	1.00	E/W		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE F2 SHAFT
				R6-1L	ONE WAY (ARROW LEFT)	36	12	3.00	W		MOUNT ON SIGNAL POLE F2 SHAFT
				R6-1R	ONE WAY (ARROW RIGHT)	36	12	3.00	E		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	N		
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	E		

SIGNING NOTES:

1. THE STATIONS AND CENTERLINE REFERENCES INDICATED IN THE SIGN SUMMARY ARE APPROXIMATE. INSTALL SIGNS AND SIGN FOUNDATIONS PER M.A.S.S. STANDARD DETAILS. BEFORE INSTALLING ANY SIGN, STAKE LOCATION OF ALL SIGNS FOR THE APPROVAL OF THE ENGINEER.
2. UNLESS OTHERWISE NOTED, PROVIDE PERFORATED STEEL TUBE (PST) POSTS OF THE SIZE INDICATED IN THE SIGN SUMMARY.
3. INSTALL THE POSTS FOR STOP SIGNS AT LOCATIONS THAT CONFORM TO M.A.S.S. STANDARD DETAIL 85-14.
4. ALL STOP SIGNS AND STREET NAME SIGNS SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
5. THE REMOVAL AND RELOCATING OF SIGNS SHALL BE SUBSIDIARY TO THE STANDARD SIGN PAY ITEM.
6. SEE SHEETS S8 & S9 FOR SPECIAL SIGN LAYOUTS.

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV.	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

SIGN SUMMARY

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S4 of S9

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_S4-S8_SS SUM-DETAILS.dwg, 1:2, 5/17/24 at 14:44 by BRIAN.LEWIS

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	C/L REF.	TYPE	LEGEND	WIDTH (INCHES)	HEIGHT (INCHES)	AREA (SF)	SIGN FACES	SIGN POST	REMARKS
S1	15	34+79	27.17' RT	D3-1	F St	48	24	8.00	W	N/A	MOUNT ON SIGNAL POLE F3 MAST ARM. SEE SIGNAL PROFILES FOR MORE INFORMATION
				R3-1	RT TURN PROHIBITED	24	24	4.00	W		
				R6-2L	ONE WAY	24	30	5.00	W		
				MD TOPPER	MUSHING DISTRICT TOPPER	30	8.5	1.77	N/S		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE F3 SHAFT
				D3-101	W 4th Ave 500	30	8	1.67	N/S		ONE DOUBLE SIDED SIGN PANEL MOUNTED ON SIGNAL POLE F3 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	E		MOUNT ON SIGNAL POLE F3 SHAFT
				R10-101	MEANING OF PEDESTRIAN INDICATIONS	9	12	3.00	S		
S2	16	35+20	23.25' LT	R7-201P	(TOW AWAY)	12	6	0.50	E	2.5" X 2.5" P.S.T	
				R7-8	RESERVED PARKING (ADA)	12	18	1.50			
	17	35+83	23.25' RT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	W	2.5" X 2.5" P.S.T	
	18	36+12	23.25' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	E	2.5" X 2.5" P.S.T	
	19	36+75	23.25' RT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	W	2.5" X 2.5" P.S.T	
	20	36+80	23.25' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	E	2.5" X 2.5" P.S.T	
	21	37+08	23.25' LT	R7P-106R	NO PARKING / LOADING ZONE / ARROW RIGHT	12	18	1.50	E	2.5" X 2.5" P.S.T	
S3	22	220+69	16.00' RT	R7-201P	TOW AWAY	12	6	0.50	SW	2.5" X 2.5" P.S.T	
				R7-8	RESERVED PARKING (ADA)	12	18	1.50			
	23	220+91	16.00' RT	R7-201P	TOW AWAY	12	6	0.50	SW	2.5" X 2.5" P.S.T	
				R7-8	RESERVED PARKING (ADA)	12	18	1.50			
	24	221+03	16.00' RT	R7P-105	NO PARKING / TAXI ZONE	12	18	1.50	SW	2.5" X 2.5" P.S.T	
	25	221+15	16.00' RT	R7P-106	NO PARKING / LOADING ZONE / ARROW RIGHT	12	18	1.50	SW	2.5" X 2.5" P.S.T	
	26	221+65	16.00' RT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	S	2.5" X 2.5" P.S.T	
	27	222+34	16.00' RT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	S	2.5" X 2.5" P.S.T	
	28	222+34	21.34' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	S	2.5" X 2.5" P.S.T	

SIGN SUMMARY

SHEET NO.	POST NO.	STATION	C/L REF.	TYPE	LEGEND	WIDTH (INCHES)	HEIGHT (INCHES)	AREA (SF)	SIGN FACES	SIGN POST	REMARKS
S3	29	223+79	21.20' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	S	2.5" X 2.5" P.S.T.	
	30	321+49	22.47' RT	R7P-101R	NO PARKING / ANY TIME	12	18	1.50	N	2.5" X 2.5" P.S.T.	
	31	321+55	22.94' LT	R7P-101L	NO PARKING / ANY TIME	12	18	1.50	N	2.5" X 2.5" P.S.T.	
	32	322+31	22.50' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	N	2.5" X 2.5" P.S.T	
	33	322+31	22.58' RT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	N	2.5" X 2.5" P.S.T	
	34	323+52	24.47' RT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	N	2.5" X 2.5" P.S.T.	
				R7P-106L	NO PARKING / LOADING ZONE / ARROW LEFT	12	18	1.50			
				R7-203T	30 MIN LIMIT PLAQUE	12	6	0.50			
	35	323+73	24.37' LT	R7P-134	(TOW AWAY) / NO PARKING / THIS BLOCK / 2:00 AM / TO / 6:00 AM / OCT 15 / TO / APRIL 15 / STREET CLEANING	12	36	3.00	N	2.5" X 2.5" P.S.T.	
								TOTAL:	254.30		

95% Plans
Not for Construction

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CONTRACTOR: _____
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COMPANY: _____ DATE: _____
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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT | SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

SIGN SUMMARY

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S5 of S9

SIGN SALVAGE SUMMARY

STATION	C/L REF.	TYPE	LEGEND	SIGN FACES	REMARKS
30+13	RT	R7-201a	TOW AWAY \ $100 MIN. FINE	W	SEE NOTE 2
		SPECIAL	RESERVED PARKING \ ADA SYMBOL \ 2 HR. LIMIT \ PERMIT ONLY		
30+56	RT	R6-1L	ONE WAY (ARROW LEFT)	E	SEE NOTE 3
		R6-1R	ONE WAY (ARROW RIGHT)	W	
		D3-101	G STREET 400	E/W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	S	
30+61	LT	R6-2L	ONE WAY	E	SEE NOTE 4
30+61	LT	D3-1	W 4TH AVE 700	N/S	SEE NOTE 3
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	N	
31+22	LT	R6-1R	ONE WAY (ARROW RIGHT)	W	SEE NOTE 3
		R6-1L	ONE WAY (ARROW LEFT)	E	
		D3-101	G STREET 300	E/W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	N	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	E	
31+21	RT	R6-2R	ONE WAY	W	SEE NOTE 4
31+21	RT	D3-101	W 4TH AVE 600	N/S	SEE NOTE 3
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	S	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	E	
31+86	RT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	W	SEE NOTE 2
31+69	LT	R7-8	RESERVED PARKING \ (ADA SYMBOL)	E	SEE NOTE 2
31+98	RT	R7P-106	NO PARKING \ LOADING ZONE	W	SEE NOTE 5
		R7-203T	15 MIN LIMIT		
		R7-203	TWO WAY ARROW (PLAQUE)		
31+88	LT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	E	SEE NOTE 2
32+70	LT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	E	SEE NOTE 2
32+80	LT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	E	SEE NOTE 2

SALVAGE SIGN NOTES:

1. REMOVE AND SALVAGE SIGNS IS SUBSIDIARY TO THE STANDARD SIGN PAY ITEM.
2. SIGN MOUNTED ON EXISTING STEEL POST.
3. SIGN MOUNTED ON EXISTING SIGNAL POLE SHAFT.
4. SIGN MOUNTED ON EXISTING SIGNAL POLE MAST ARM.
5. SIGN MOUNTED ON EXISTING LIGHT POLE.

SIGN SALVAGE SUMMARY

STATION	C/L REF.	TYPE	LEGEND	SIGN FACES	REMARKS
33+01	RT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	W	SEE NOTE 2
33+17	RT	R7P-106	NO PARKING \ FREIGHT\ LOADING \ ZONE \ 9 AM - 6 PM \ MON - SUN	W	SEE NOTE 5
		R7-203L	LEFT ARROW (PLAQUE)		
33+33	RT	R7P-106	NO PARKING \ FREIGHT\ LOADING \ ZONE \ 9 AM - 6 PM \ MON - SUN	W	SEE NOTE 5
		R7-203	TWO WAY ARROW (PLAQUE)		
33+17	LT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	E	SEE NOTE 2
33+33	LT	R7P-106	NO PARKING \ LOADING ZONE	E	SEE NOTE 2
		R7-203T	15 MIN LIMIT		
33+58	RT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	W	SEE NOTE 2
33+85	LT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	E	SEE NOTE 2
34+79	RT	R6-1L	ONE WAY (ARROW LEFT)	E	SEE NOTE 5
		R6-1R	ONE WAY (ARROW RIGHT)	W	
			F STREET 400	E/W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	S	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	W	
34+79	RT	R6-2R	ONE WAY	E	SEE NOTE 4
34+77	LT		W 4TH AVE 600	N/S	SEE NOTE 3
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	N	
34+23	LT	R6-1L	ONE WAY (ARROW LEFT)	W	SEE NOTE 5
		R6-1R	ONE WAY (ARROW RIGHT)	E	
		D3-101	F STREET 300	E/W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	W	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	S	
34+23	LT	R6-2L	ONE WAY	W	SEE NOTE 4
34+24	RT	D3-101	W 4TH AVE 500	N/S	SEE NOTE 3
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	E	
		R10-101	MEANING OF PEDESTRIAN INDICATIONS	S	
35+22	RT	R7P-134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	W	SEE NOTE 2
		SPECIAL	TOW AWAY \ NO PARKING SYMBOL \ SHUTTLE BUSES ONLY \ 10 MIN MAX \ ARROW		
		SPECIAL	PERMIT HOLDERS ONLY		

95% Plans
Not for Construction

RECORD DRAWING
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CONTRACTOR: _____
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COMPANY: _____ DATE: _____
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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS | TBM NO. | LOCATION | ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

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PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A

4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

SALVAGE SIGN SUMMARY

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S6 of S9

SIGN SALVAGE SUMMARY

STATION	C/L REF.	TYPE	LEGEND	SIGN FACES	REMARKS
35+22	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM TO 6:00 AM \ OCT 15 THRU APRIL 15 \ STREET CLEANING	E	SEE NOTE 2
35+56	RT	SPECIAL	TOW AWAY \ NO PARKING SYMBOL \ SHUTTLE BUSES ONLY \ 10 MIN LIMIT \ ARROW	W	SEE NOTE 2
		SPECIAL	PERMIT HOLDERS ONLY		
35+86	RT	SPECIAL	TOW AWAY \ NO PARKING SYMBOL \ SHUTTLE BUSES ONLY \ 10 MIN LIMIT \ ARROW	W	SEE NOTE 2
		SPECIAL	PERMIT HOLDERS ONLY		
36+12	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM TO 6:00 AM \ OCT 15 THRU APRIL 15 \ STREET CLEANING	E	SEE NOTE 2
36+16	RT	SPECIAL	TOW AWAY \ NO PARKING SYMBOL \ SHUTTLE BUSES ONLY \ 10 MIN LIMIT \ ARROW	W	SEE NOTE 2
		SPECIAL	PERMIT HOLDERS ONLY		
36+76	RT	SPECIAL	TOW AWAY \ NO PARKING SYMBOL \ SHUTTLE BUSES ONLY \ 10 MIN LIMIT \ ARROW	W	SEE NOTE 2
		SPECIAL	PERMIT HOLDERS ONLY		
36+77	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM TO 6:00 AM \ OCT 15 THRU APRIL 15 \ STREET CLEANING	E	SEE NOTE 2
37+06	RT	SPECIAL	TOW AWAY \ NO PARKING SYMBOL \ SHUTTLE BUSES ONLY \ 10 MIN LIMIT \ ARROW	W	SEE NOTE 2
		SPECIAL	PERMIT HOLDERS ONLY		
37+08	LT	R7P–106	NO PARKING \ PASSENGER \ LOADING \ ZONE	E	SEE NOTE 2
220+68	RT	R7–8	RESERVED PARKING (ADA)	S	SEE NOTE 5
		R7–112	DIAGONAL PARKING ONLY (TWO–WAY ARROW)		
220+78	RT	R7–8	RESERVED PARKING (ADA)	S	SEE NOTE 5
		R7–112	DIAGONAL PARKING ONLY (TWO–WAY ARROW)		
220+95	RT	R7P–105	NO PARKING \ TAXI ZONE	S	SEE NOTE 2
		R7–112	DIAGONAL PARKING ONLY (TWO–WAY ARROW)		
221+12	RT	R7P–105	NO PARKING \ TAXI \ ZONE	S	SEE NOTE 2
		R7–112	DIAGONAL PARKING ONLY (TWO–WAY ARROW)		

SIGN SALVAGE SUMMARY

STATION	C/L REF.	TYPE	LEGEND	SIGN FACES	REMARKS
221+21	RT	R7P–134	NO PARKING \ LOADING \ ZONE	S	SEE NOTE 2
221+29	LT	R7P–101	NO PARKING \ ANY \ TIME	S	SEE NOTE 5
		R7–201a	TOW AWAY (PLAQUE)		
221+45	RT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	S	SEE NOTE 2
221+63	LT	R6–2L	ONE WAY	E	SEE NOTE 2
221+79	LT	R7P	NO PARKING \ FREIGHT LOADING ZONE	SE	SEE NOTE 2
			ARROW (LEFT) PLAQUE		
221+95	RT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	S	SEE NOTE 2
222+34	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	SE	SEE NOTE 2
223+73	RT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	S	SEE NOTE 2
223+79	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	S	SEE NOTE 2
321+48	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	N	SEE NOTE 2
321+61	LT	R7P–101	NO PARKING \ ANY \ TIME \ ARROW (LEFT)	N	SEE NOTE 2
322+20	RT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	N	SEE NOTE 2
322+31	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	N	SEE NOTE 2
322+48	RT		NO PARKING \ ANY \ TIME	N	SEE NOTE 2
323+48	RT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	N	SEE NOTE 2
		R7P–106	NO PARKING \ LOADING \ ZONE		
		R7–203T	30 MIN LIMIT		
323+52	LT	R7P–134	TOW AWAY \ NO PARKING \ THIS BLOCK \ 2:00 AM \ TO \ 6:00 AM \ OCT 15 \ TO \ APRIL 15 \ STREET CLEANING	N	SEE NOTE 2

SALVAGE SIGN NOTES:

1. REMOVE AND SALVAGE SIGNS IS SUBSIDIARY TO THE STANDARD SIGN PAY ITEM.
2. SIGN MOUNTED ON EXISTING STEEL POST.
3. SIGN MOUNTED ON EXISTING SIGNAL POLE SHAFT.
4. SIGN MOUNTED ON EXISTING SIGNAL POLE MAST ARM.
5. SIGN MOUNTED ON EXISTING LIGHT POLE.

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

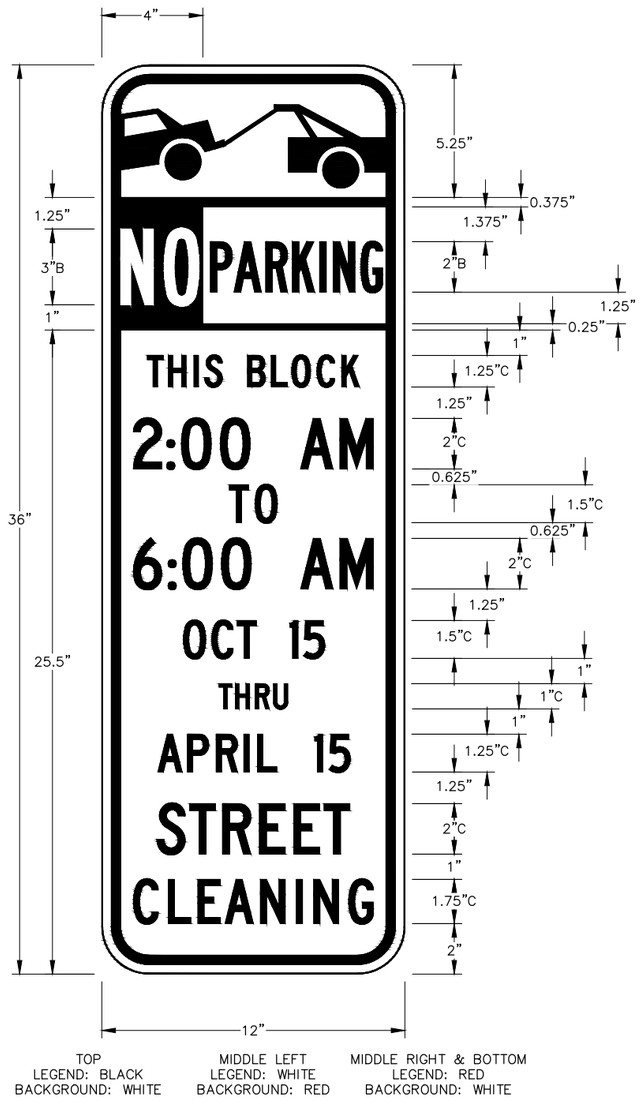
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

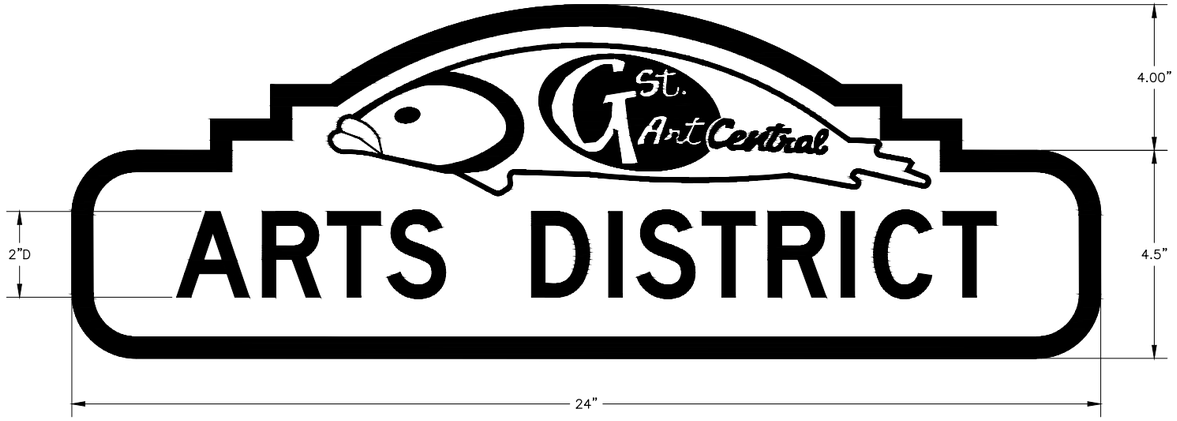
SALVAGE SIGN SUMMARY

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S7 of S9

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_06_S4–S8_SS SUM–DETAILS.dwg, 1:2, 5/17/24 at 14:44 by BRIAN.LEWIS



1 / S8 *R7P-134*
SCALE: NTS



2 / S8 *ARTS DISTRICT SIGN TOPPER (AD TOPPER)*
MOUNT ABOVE D3-101 SIGNS AT THE LOCATIONS SHOWN IN THE PLANS.

3 / S8 *MUSHING DISTRCIT SIGN TOPPER (MD TOPPER)*
MOUNT ABOVE D3-101 SIGNS AT THE LOCATIONS SHOWN IN THE PLANS
FINAL DESIGN TO BE PROVIDED BY OTHERS.

95% Plans
Not for Construction

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COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
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(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE A
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

SIGN MOUNTING DETAILS

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET S8 of S9

INTERCONNECT NOTES

A. F&I A NEW SINGLE CONTINUOUS INTERCONNECT CABLE BETWEEN THE 4TH AVE. & H ST. EXISTING CONTROLLER CABINET AND THE 4TH AVE. & G ST. NEW CONTROLLER CABINET.

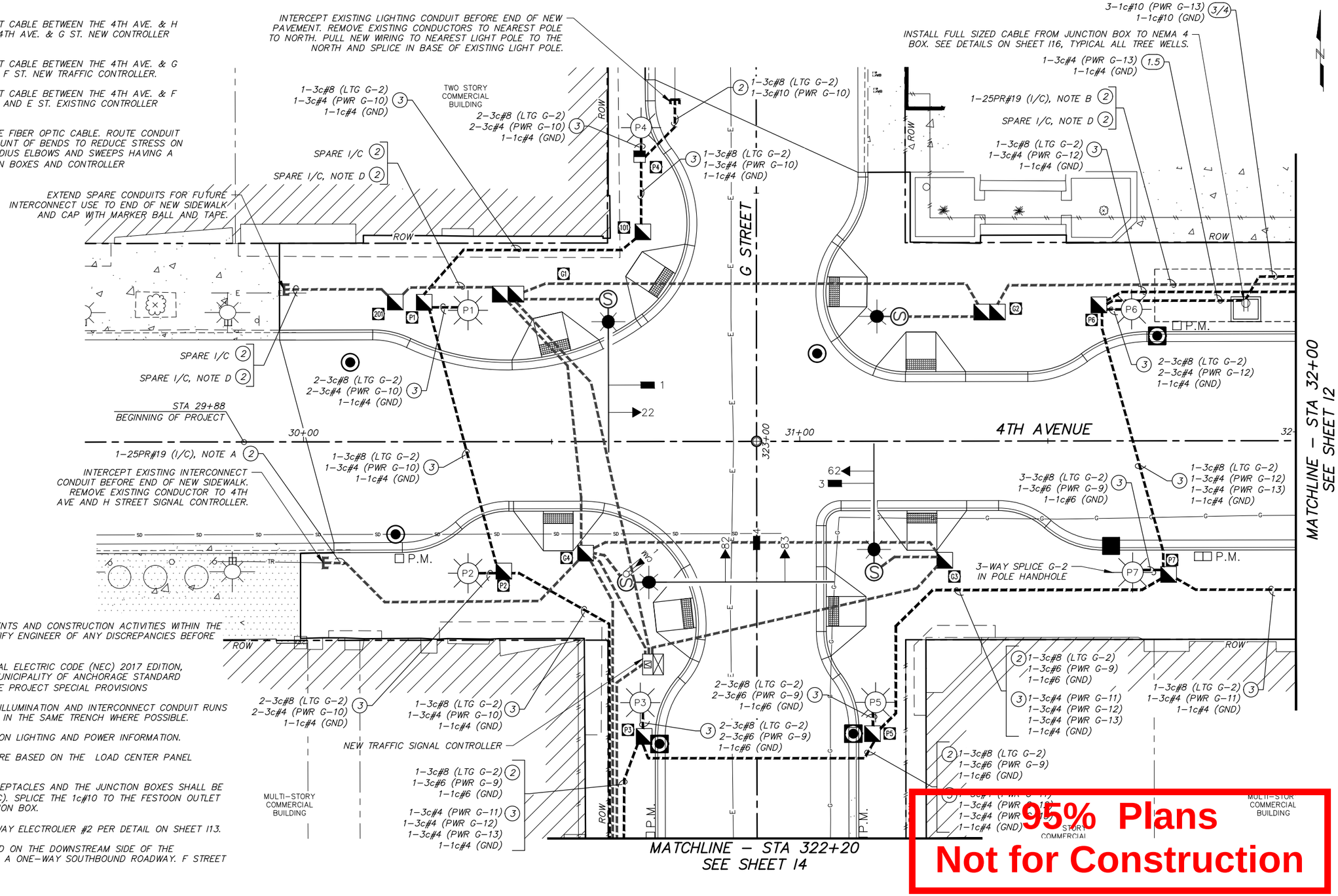
B. F&I A NEW SINGLE CONTINUOUS INTERCONNECT CABLE BETWEEN THE 4TH AVE. & G ST. NEW TRAFFIC CONTROLLER & 4TH AVE. & F ST. NEW TRAFFIC CONTROLLER.

C. F&I A NEW SINGLE CONTINUOUS INTERCONNECT CABLE BETWEEN THE 4TH AVE. & F ST. NEW CONTROLLER CABINET AND 4TH AVE. AND E ST. EXISTING CONTROLLER CABINET.

D. SPARE INTERCONNECT CONDUIT IS FOR FUTURE FIBER OPTIC CABLE. ROUTE CONDUIT AS STRAIGHT AS POSSIBLE WITH MINIMAL AMOUNT OF BENDS TO REDUCE STRESS ON CABLE DURING INSTALLATION. USE LARGE RADIUS ELBOWS AND SWEEPS HAVING A 15" MINIMUM RADIUS WHEN ENTERING JUNCTION BOXES AND CONTROLLER FOUNDATIONS.

GENERAL NOTES

1. CONTRACTOR SHALL CONTAIN ALL IMPROVEMENTS AND CONSTRUCTION ACTIVITIES WITHIN THE R.O.W. VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE INSTALLING IMPROVEMENTS.
2. ALL WORK SHALL CONFORM TO THE NATION AL ELECTRIC CODE (NEC) 2017 EDITION, INCLUDING LOCAL AMENDMENTS, THE 2024 MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) DIVISION 80, AND THE PROJECT SPECIAL PROVISIONS
3. CONDUIT RUNS ARE SHOWN SCHEMATICALLY. ILLUMINATION AND INTERCONNECT CONDUIT RUNS SHALL BE LOCATED BEHIND CURB LINES AND IN THE SAME TRENCH WHERE POSSIBLE.
4. SEE TRAFFIC SIGNAL SHEETS FOR INTERSECTION LIGHTING AND POWER INFORMATION.
5. CIRCUITING LABELS AND CONDUCTOR SIZES ARE BASED ON THE LOAD CENTER PANEL SCHEDULES SHEETS I11 AND I12.
6. CONDUIT RUNS BETWEEN THE TREE WELL RECEPTACLES AND THE JUNCTION BOXES SHALL BE LIQUID-TIGHT FLEXIBLE METAL CONDUIT (LFMC). SPLICE THE 1c#10 TO THE FESTOON OUTLET POWER CONDUCTOR IN THE ADJACENT JUNCTION BOX.
7. F&I SPECIAL EVENT OUTLET (SEO) ON ROADWAY ELECTROLIER #2 PER DETAIL ON SHEET I13.
8. HAND HOLS ON THE POLES SHALL BE PLACED ON THE DOWNSTREAM SIDE OF THE APPROACHING VEHICLE TRAFFIC. G STREET IS A ONE-WAY SOUTHBOUND ROADWAY. F STREET IS A ONE-WAY NORTHBOUND ROADWAY.



95% Plans
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COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CONSULTANT | SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE B

4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

ILLUMINATION AND INTERCONNECT PLAN

LOCATION DESC.

SCALE				
HOR. 1"=10'	GRID 1230	DATE JUN 2024	SHEET	11 of 120
VER. N/A	STATUS: PRELIMINARY			

MATCHLINE – STA 32+00
SEE SHEET 11

RESERVE

INSTALL #10 SINGLE CONDUCTOR XHHW FROM FIRST RECEPTACLE IN THE CIRCUIT TO DOWNSTREAM RECEPTACLES. TYPICAL ALL TREE WELLS.

1–25PR#19 (I/C), NOTE B (2)
SPARE I/C, NOTE D (2)

(3) 1–3c#8 (LTG G–2)
1–3c#4 (PWR G–12)
1–1c#4 (GND)

(3/4) 3–1c#10 (PWR G–13)
1–1c#10 (GND)

ROW

P8 P.M. P10 P.M. P13 P.M. P14

INSTALL FULL SIZED CABLE FROM JUNCTION BOX TO HAND HOLE IN PED POLE. SPLICE #10 TO FESTOON RECEPTACLE. TYPICAL ALL PED POLES.

(3) 2–3c#8 (LTG G–2)
2–3c#4 (PWR G–12)
1–1c#4 (GND)

(3) 1–3c#8 (LTG G–2)
1–3c#4 (PWR G–12)
1–1c#4 (GND)

(3/4) 3–1c#10 (PWR G–13)
1–1c#10 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–16)
1–1c#4 (GND)

(3) 2–3c#8 (LTG F–3)
2–3c#4 (PWR F–16)
1–1c#4 (GND)

(1.5) 1–3c#4 (PWR F–21)
1–1c#4 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–15)
1–1c#4 (GND)

(3) 2–3c#8 (LTG F–3)
2–3c#4 (PWR F–15)
1–1c#4 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–16)
1–1c#4 (GND)

(3/4) 3–1c#10 (PWR F–21)
1–1c#10 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–16)
1–1c#4 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–15)
1–1c#4 (GND)

(3) 2–3c#8 (LTG F–3)
2–3c#6 (PWR F–17)
1–1c#6 (GND)

P17 P19

F STREET

ROW

(3) 1–3c#8 (LTG F–3)
1–3c#4 (SEO PWR F–7)
1–3c#6 (PWR F–17)
1–1c#4 (GND)

(3) 2–3c#8 (LTG F–3)
2–3c#6 (PWR F–17)
1–1c#6 (GND)

(3) 1–3c#4 (PWR F–18)
1–3c#4 (PWR F–22)
1–3c#4 (PWR F–23)
1–1c#4 (GND)

(2) 1–25PR#19 (I/C), NOTE C
(2) SPARE I/C, NOTE D

TWO COMM BUIL

102

F1 F2

(3) 1–3c#8 (LTG F–3)
1–3c#4 (SEO PWR F–7)
1–3c#6 (PWR F–17)
1–1c#4 (GND)

(3) 1–3c#4 (PWR F–18)
1–3c#4 (PWR F–22)
1–3c#4 (PWR F–23)
1–1c#4 (GND)

223+00

33+00 4TH AVENUE 34+00 35+

(3) 2–3c#8 (LTG G–2)
2–3c#4 (PWR G–11)
1–1c#4 (GND)

(3) 1–3c#8 (LTG G–2)
1–3c#4 (PWR G–11)
1–1c#4 (GND)

(2) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–14)
1–1c#6 (GND)

P9 P.M. P11 P.M. P12 P.M. P15

ROW

F.D.C.

(3) 1–3c#8 (LTG G–2)
1–3c#4 (PWR G–11)
1–1c#4 (GND)

(2) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–14)
1–1c#6 (GND)

(2) 2–3c#8 (LTG F–2)
2–3c#6 (PWR F–14)
1–1c#6 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–15)
1–3c#4 (PWR F–16)
1–3c#4 (PWR F–21)
1–1c#4 (GND)

(2) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–14)
1–1c#6 (GND)

(3) 1–3c#4 (PWR F–15)
1–3c#4 (PWR F–16)
1–3c#4 (PWR F–21)
1–1c#4 (GND)

(2) 1–3c#8 (LTG F–2)
1–3c#8 (PWR F–10)

F3 F4

(3) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–12)
1–3c#6 (PWR F–13)
1–3c#8 (PWR F–19)
1–3c#6 (PWR F–20)
1–1c#6 (GND)

P16 P18

(2) 1–3c#8 (LTG F–2)
1–3c#10 (PWR F–11)

(2) 1–3c#8 (LTG F–2)
1–3c#10 (PWR F–11)

MATCHLINE – STA 222+20
SEE SHEET 13

MATCHLINE – STA 35+00
SEE SHEET 13

95% Plans
Not for Construction

RECORD DRAWING
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BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD | VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
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PROJECT NO. 21–22 SCHEDULE B
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

ILLUMINATION AND INTERCONNECT PLAN

LOCATION DESC.

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 12 of 120

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_I1–I5 ILLUM & INTRCNCT PLAN.dwg, 1:2, 6/4/24 at 14:32 by BRIAN.LEWIS

MATCHLINE – STA 35+00
SEE SHEET 12

TWO STORY COMMERCIAL BUILDING
TWO STORY COMMERCIAL BUILDING
SINGLE STORY COMMERCIAL BUILDING
SINGLE STORY COMMERCIAL BUILDING
TWO STORY COMMERCIAL BUILDING
TWO STORY COMMERCIAL BUILDING
TWO STORY COMMERCIAL BUILDING
MULTI STORY COMMERCIAL BUILDING

(3) 1–3c#8 (LTG F–3)
1–3c#4 (SEO PWR F–7)
1–3c#6 (PWR F–17)
1–1c#4 (GND)

(3) 1–3c#4 (PWR F–18)
1–3c#4 (PWR F–22)
1–3c#4 (PWR F–23)
1–1c#4 (GND)

(3/4) 3–1c#10 (PWR F–22)
1–1c#10 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (SEO PWR F–7)
1–3c#4 (PWR F–18)
1–3c#4 (PWR F–23)
1–1c#4 (GND)

(2) 1–25PR#19(I/C), NOTE C
(2) SPARE I/C, NOTE D

(3/4) 3–1c#10 (PWR F–22)
1–1c#10 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (SEO PWR F–7)
1–3c#4 (PWR F–18)
1–3c#4 (PWR F–23)
1–1c#4 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–18)
1–1c#4 (GND)

(3/4) 3–1c#10 (PWR F–23)
1–1c#10 (GND)

INTERCEPT EXISTING INTERCONNECT CONDUITS BEFORE END OF NEW SIDEWALK. REMOVE EXISTING CONDUCTOR TO 4TH AVE AND E STREET SIGNAL CONTROLLER.

ROW

E STREET

P21 P23 P26

P.M.

(3) 2–3c#8 (LTG F–3)
1–3c#6 (PWR F–17)
1–1c#6 (GND)

(1.5) 1–3c#4 (PWR F–22)
1–1c#4 (GND)

(3) 2–3c#8 (LTG F–3)
2–3c#4 (PWR F–18)
1–1c#4 (GND)

(3) 2–3c#8 (LTG F–3)
1–3c#4 (SEO PWR F–7)
1–1c#4 (GND)

(1.5) 1–3c#4 (PWR F–23)
1–1c#4 (GND)

(3) 1–3c#8 (LTG F–3)
1–3c#4 (PWR F–18)
1–1c#4 (GND)

ADJUST EXISTING JUNCTION BOX TO FINISHED GRADE.

00 36+00 4TH AVENUE 37+00 38+00

STA 37+75
END OF PROJECT

(3) 2–3c#8 (LTG F–2)
2–3c#6 (PWR F–12)
1–1c#6 (GND)

1–3c#8 (PWR F–20) (1.5)

(3) 2–3c#8 (LTG F–2)
2–3c#6 (PWR F–12)
1–1c#6 (GND)

(3) 2–3c#8 (LTG F–2)
2–3c#6 (PWR F–12)
1–1c#6 (GND)

1–3c#6 (PWR F–20) (1.5)
1–1c#6 (GND)

(3) 2–3c#8 (LTG F–2)
2–3c#6 (PWR F–13)
1–1c#6 (GND)

(2) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–13)
1–1c#6 (GND)

P.M. P20 P22 P24 P25 P27

(3) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–12)
1–3c#6 (PWR F–13)
1–3c#8 (PWR F–19)
1–3c#6 (PWR F–20)
1–1c#6 (GND)

(3/4) 3–1c#10 (PWR F–19)
1–1c#10 (GND)

N 1/2 BLOCK 42
PRESERVATION & CONSERVATION EASEMENT
(BK 2828 PG 475)

(3) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–12)
1–3c#6 (PWR F–13)
1–3c#6 (PWR F–20)
1–1c#6 (GND)

(3/4) 3–1c#10 (PWR F–19)
1–1c#10 (GND)

(3) 1–3c#8 (LTG F–2)
1–3c#6 (PWR F–12)
1–3c#6 (PWR F–13)
1–3c#6 (PWR F–20)
1–1c#6 (GND)

1–3c#8 (LTG F–2)
1–3c#6 (PWR F–13)
1–1c#6 (GND)

(2)

(3/4) 3–1c#10 (PWR F–21)
1–1c#10 (GND)

1–3c#8 (LTG F–2)
1–3c#6 (PWR F–13)
1–1c#6 (GND)

(2)

(3/4) 3–1c#10 (PWR F–20)
1–1c#10 (GND)

1–3c#8 (LTG F–2)
1–3c#6 (PWR F–13)
1–1c#6 (GND)

(2)

ROW

LAWN

1 STORY CABIN

ANCHORAGE TOWNSITE

95% Plans
Not for Construction

RECORD DRAWING
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DATA	DRAWN BY	CHECKED BY
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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE B

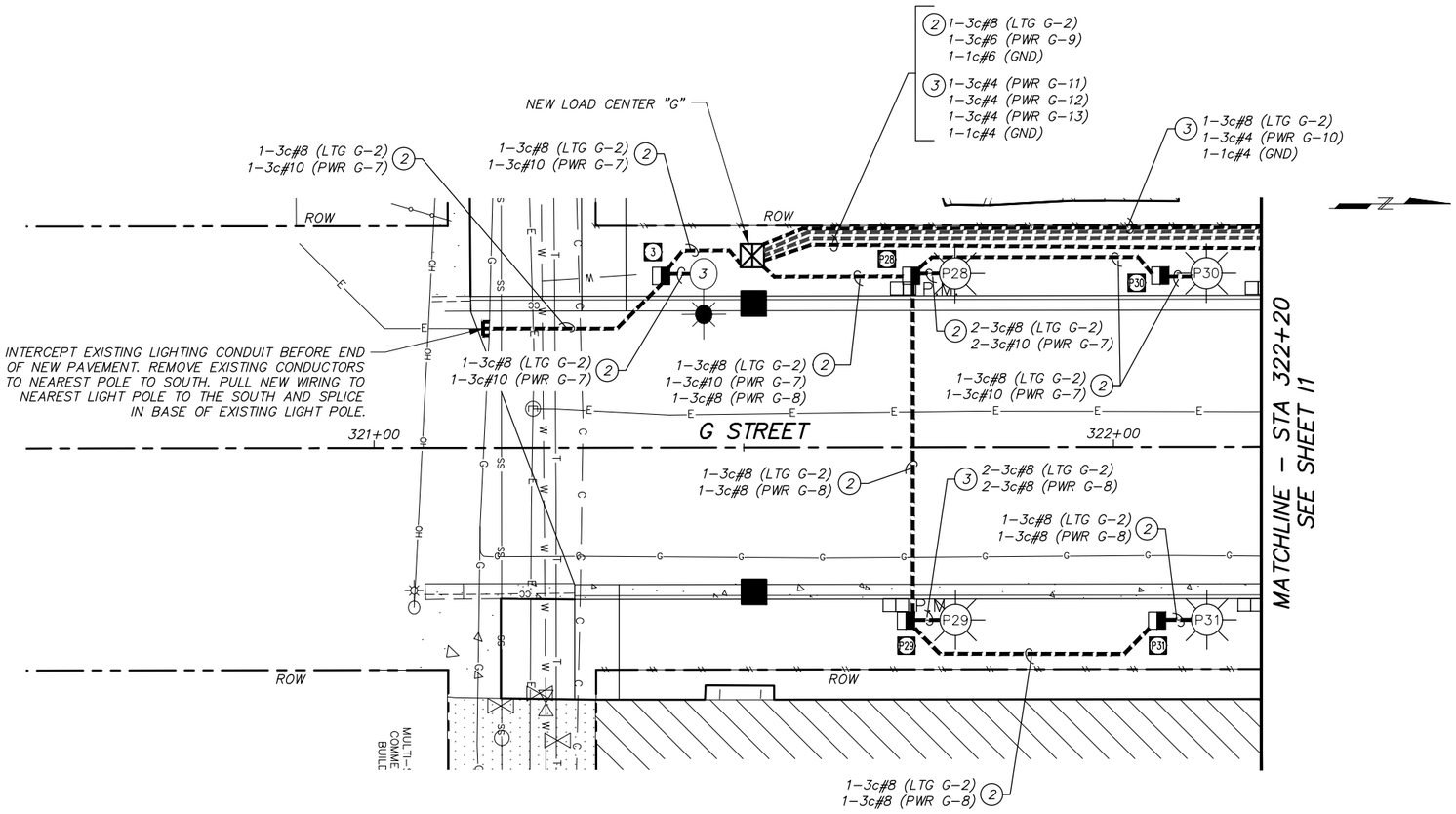
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

ILLUMINATION AND INTERCONNECT PLAN

LOCATION DESC.

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 13 of 120

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_I1-I5 ILLUM & INTRCNCT PLAN.dwg, 1:2, 6/4/24 at 14:32 by BRIAN.LEWIS



95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR–PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD | VERTICAL DATUM | REVISIONS

KINNEY ENGINEERING, LLC
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ANCHORAGE, ALASKA 99503
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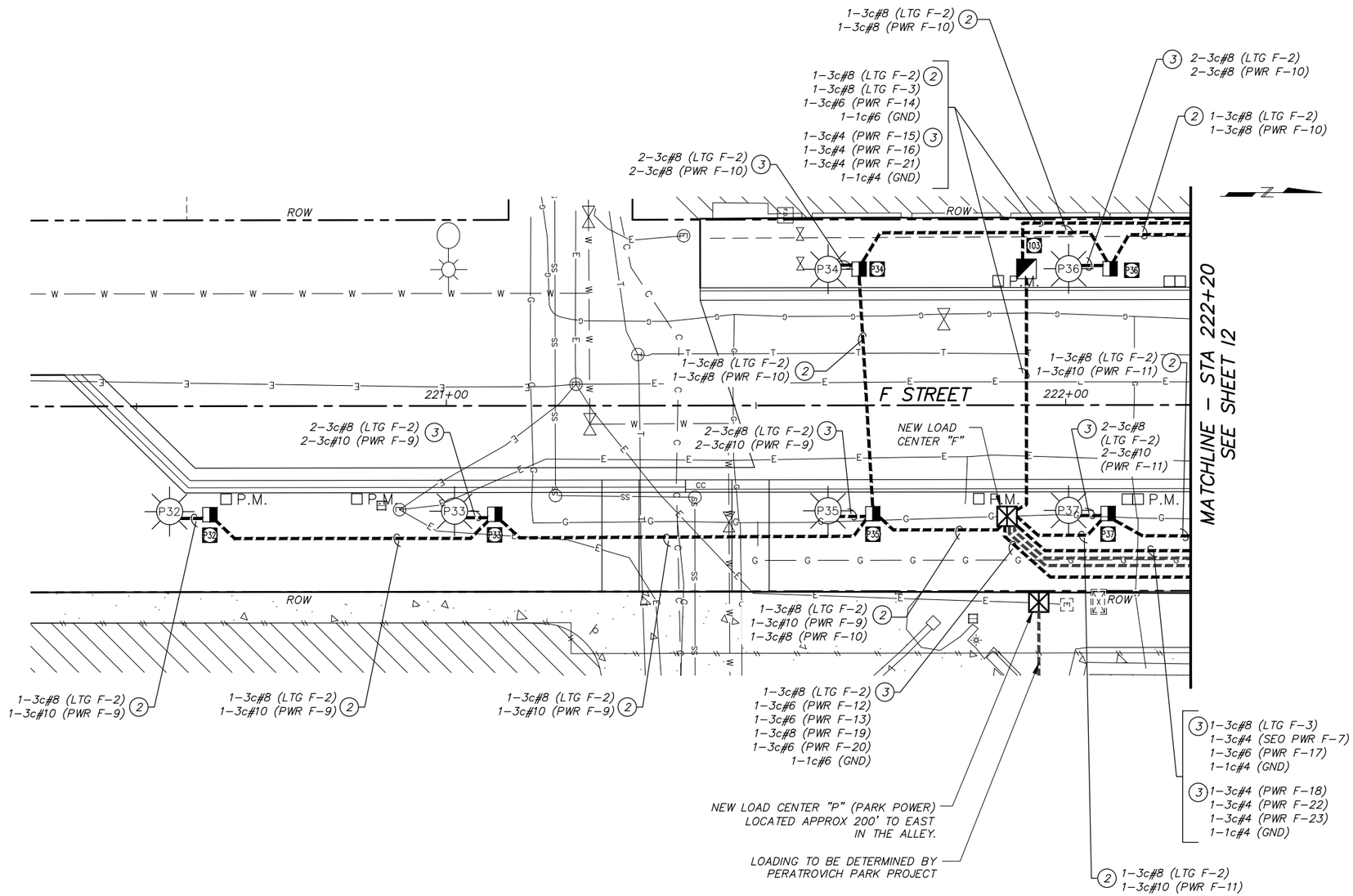
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE X
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET
ILLUMINATION AND INTERCONNECT PLAN
LOCATION DESC.

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 14 of 120

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_I1-I5 ILLUM & INTRCNCT PLAN.dwg, 1:2, 6/4/24 at 14:32 by BRIAN.LEWIS



95% Plans
Not for Construction

RECORD DRAWING

1. DATA PROVIDED BY: _____ TITLE: _____
   THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
   CONTRACTOR: _____
   BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
   COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR–PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
   DATA TRANSFER CHECKED BY: _____ TITLE: _____
   COMPANY: _____ DATE: _____
   BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

20 10 0 10 20

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY

CONSTRUCTION RECORD | VERTICAL DATUM | REVISIONS

KINNEY ENGINEERING, LLC
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MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE B

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

ILLUMINATION AND INTERCONNECT PLAN

LOCATION DESC.

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 15 of 120

ROADWAY ELECTROLIER SUMMARY												
NUMBER	STATION	OFFSET	TOP OF FOUNDATION ELEVATION (SEE NOTE 7)	MOUNTING HEIGHT	MASTARM LENGTH	WATTAGE	LAMP TYPE	IES DISTRIBUTION	INITIAL LUMEN OUTPUT	ADJUSTABLE OUTPUT (SEE NOTE 9)	CIRCUIT (SEE NOTE 4)	REMARKS
1	33+04.9	26.5' L	101.4'	30'	12'	168W	LED	TYPE III	21,351	80%	F-3/F-16	
2	36+30.8	26.5' L	102.6'	30'	12'	168W	LED	TYPE III	21,351	90%	F-3/F-7	
3	321+44.6	23.5' L	100.5'	30'	12'	168W	LED	TYPE III	21,351	90%	G-2/G-7	
4TH AND G SIGNAL POLE 1				30'	12'	88W	LED	TYPE III	11,552	100%	G-1/G-3	
4TH AND G SIGNAL POLE 2				30'	12'	88W	LED	TYPE III	11,552	100%	G-1/G-4	
4TH AND G SIGNAL POLE 3				30'	12'	88W	LED	TYPE III	11,552	100%	G-1	
4TH AND G SIGNAL POLE 4				30'	12'	88W	LED	TYPE III	11,552	100%	G-1/G-5	
4TH AND F SIGNAL POLE 1				30'	12'	88W	LED	TYPE III	11,552	100%	F-1/F-4	
4TH AND F SIGNAL POLE 2				30'	12'	88W	LED	TYPE III	11,552	100%	F-1/F-5	
4TH AND F SIGNAL POLE 3				30'	12'	88W	LED	TYPE III	11,552	100%	F-1/F-6	
4TH AND F SIGNAL POLE 4				30'	12'	88W	LED	TYPE III	11,552	100%	F-1	

ROADWAY ELECTROLIER NOTES:

1. ROADWAY ELECTROLIERS SHALL CONFORM TO THE DETAILS AND SPECIFICATIONS FOR THIS PROJECT.
2. INSTALL 1C #10 CABLE WITH GREEN INSULATION IN EACH ELECTROLIER TO BOND THE LUMINAIRE TO THE ELECTRICAL SYSTEM.
3. MOUNTING HEIGHT REFERS TO HEIGHT OF A LUMINAIRE ABOVE THE POINT ON THE ROADWAY DIRECTLY BENEATH IT.
4. FIRST CIRCUIT IS FOR LUMINAIRE, SECOND IS FOR THE FESTOON OUTLET, AND IF A THIRD CIRCUIT IS LISTED SEE THE REMARKS COLUMN FOR DESCRIPTION OF CIRCUIT. DO NOT INSTALL FESTOON OUTLETS ON SIGNAL POLES. IF SECOND CIRCUIT IS LISTED FOR SIGNAL POLE SEE REMARKS COLUMN FOR DESCRIPTION OF CIRCUIT.
5. CONTRACTOR SHALL VERIFY UNDERGROUND UTILITIES AND ADJUST FOUNDATION LOCATION, IF CONFLICT EXISTS. NEW LOCATION SHALL BE APPROVED BY THE ENGINEER.
6. AN ELECTROLIER CONSISTS OF A POLE, MAST ARM, AND LUMINAIRE.
7. TOP OF LIGHT POLE FOUNDATION SHALL BE 6" ABOVE FINISHED GRADE. SEE SHEET I19 FOR DETAIL. TOP OF SIGNAL POLE FOUNDATION SHALL BE FLUSH WITH SURROUNDING SIDEWALK I.A.W. DETAIL ON SHEET J7.
8. ROADWAY LUMINAIRES USED FOR THE BASIS OF DESIGN: AMERICAN ELECTRIC LIGHTING ATB2 SERIES. SUPPLY AS SPECIFIED OR PROVIDE APPROVED EQUALS THAT SATISFY THE LIGHTING DESIGN CRITERIA AND SPECIFICATIONS.
9. ALL ROADWAY LUMINAIRES SHALL BE FURNISHED WITH A 0-10V DIMMING BALLAST OR FIELD ADJUSTABLE OUTPUT. UNLESS OTHERWISE NOTED OUTPUT IS 100%.
10. ALL ROADWAY LUMINAIRES SHALL BE FURNISHED WITH A 7-PIN PHOTOCELL RECEPTACLE WITH SHORTING CAP.
11. ALL ROADWAY SHALL MATCH COLOR TEMPERATURE OF PEDESTRIAN LUMINAIRES.

DESIGN CRITERIA FOR ROADWAY LIGHTING	
LUMINAIRE CRITERIA	VALUE
MIN AVG LUMINANCE	1.2 CD/M²
MAX UNIFORMITY RATIO (AVG/MIN)	3.0
MAX UNIFORMITY RATIO (MAX/MIN)	5.0
MAX VEILING LUMINANCE RATIO (VMAX/MIN)	0.3
TOTAL LIGHT LOSS FACTOR (LLF)	0.85

DESIGN CRITERIA FOR PEDESTRIAN ONLY LIGHTING	
LUMINAIRE CRITERIA	VALUE
MIN AVG HORIZONTAL ILLUMINANCE	1.0 FC
MIN VERTICAL ILLUMINANCE*	0.5 FC
MAX UNIFORMITY RATIO (AVG/MIN)	4.0
TOTAL LIGHT LOSS FACTOR (LLF)	0.85

* AT 5 FT HEIGHT ABOVE PATHWAY WITH METER DIRECTION PARALLEL TO BOTH DIRECTIONS OF TRAVEL

DESIGN CRITERIA FOR F ST AND INTERSECTION LIGHTING	
LUMINAIRE CRITERIA	VALUE
MIN AVG ILLUMINANCE	2.9 FC
MAX UNIFORMITY RATIO (AVG/MIN)	3.0
TOTAL LIGHT LOSS FACTOR (LLF)	0.85

DESIGN CRITERIA FOR G ST AND INTERSECTION LIGHTING	
LUMINAIRE CRITERIA	VALUE
MIN AVG ILLUMINANCE	2.9 FC
MAX UNIFORMITY RATIO (AVG/MIN)	3.0
TOTAL LIGHT LOSS FACTOR (LLF)	0.85

LIGHTING CRITERIA STATEMENT

SIGNED STAMP ON THIS DRAWING INDICATES THAT THE LIGHTING DESIGN FOR THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE GUIDELINES SET FORTH IN CHAPTER 5 OF THE 2007 MOA DESIGN CRITERIA MANUAL AND IESNA RP-8-14.

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
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3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

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PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE B
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

ROADWAY LIGHTING SUMMARIES

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 16 of 120

PEDESTRIAN ELECTROLIER SUMMARY

NUMBER	STATION	OFFSET	TOP OF FOUNDATION ELEVATION (SEE NOTE 5)	SHAFT LENGTH	PEDESTRIAN LUMINAIRE TYPE (SEE NOTES 6–12)	DIMMING (SEE NOTE 8)	IES DISTRIBUTION TYPE	CIRCUIT (SEE NOTE 3)	REMARKS
P1	30+13.9	26.5' L	100.1'	16'	B		V	G–2/G–10	
P2	30+23.2	26.5' R	100.2'	16'	B		V	G–2/G10	SEE NOTE 11
P3	322+47.4	23.5' L	100.6'	16'	A		V	G–2/G–9	SEE NOTE 11
P4	323+63.2	23.2' L	100.3'	16'	A		V	G–2/G–10	
P5	322+47.4	23.9' R	100.5'	16'	A		V	G–2/G–9	
P6	31+66.9	26.5' L	100.8'	16'	B		V	G–2/G–12	
P7	31+67.1	26.5' R	101.0'	16'	B		V	G–2/G–9	
P8	32+12.9	26.5' L	101.0'	16'	B		V	G–2/G–12	
P9	32+13.1	26.5' R	101.1'	16'	B		V	G–2/G–11	
P10	32+58.9	26.5' L	101.2'	16'	B		V	G–2/G–12	
P11	32+59.0	26.5' R	101.4'	16'	B		V	G–2/G–11	
P12	33+05.0	26.5' R	101.6'	16'	B		V	F–2/F–14	
P13	33+50.9	26.5' L	101.6'	16'	B		V	F–2/F–16	
P14	33+96.9	26.5' L	101.9'	16'	B		V	F–2/F–15	
P15	33+97.1	26.5' R	102.1'	16'	B		V	F–2/F–14	
P16	222+39.3	22.0' L	102.0'	16'	B		V	F–2/F–10	
P17	223+69.0	21.2' L	101.5'	16'	B		V	F–2/F–15	
P18	222+39.3	17.0' R	102.2'	16'	B		V	F–2/F–11	
P19	223+68.9	17.8' R	101.2'	16'	B		V	F–2/F–17	SEE NOTE 11
P20	35+36.6	26.5' R	102.0'	16'	B		V	F–2/F–12	
P21	35+38.9	26.5' L	102.3'	16'	B		V	F–2/F–17	SEE NOTE 11
P22	35+82.6	26.5' R	102.2'	16'	B		V	F–2/F–12	
P23	35+84.9	26.5' L	102.4'	16'	B		V	F–2/F–18	
P24	36+28.6	26.5' R	102.4'	16'	B		V	F–2/F–12	
P25	36+74.6	26.5' R	102.6'	16'	B		V	F–2/F–13	
P26	36+76.9	26.5' L	102.7'	16'	B		V	F–2/F–18	
P27	37+20.6	26.5' R	102.8'	16'	B		V	F–2/F–13	SEE NOTE 11
P28	321+78.6	23.5' L	100.6'	16'	A		V	G–2/G–7	SEE NOTE 11
P29	321+78.6	23.3' R	100.6'	16'	A		V	G–2/G–8	
P30	322+12.6	23.5' L	100.5'	16'	A		V	G–2/G–7	SEE NOTE 11
P31	322+12.6	23.4' R	100.5'	16'	A		V	G–2/G–8	
P32	220+55.3	17.0' R	103.2'	16'	B		V	F–2/F–9	
P33	221+01.3	17.0' R	102.9'	16'	B		V	F–2/F–9	
P34	221+61.7	22.0' L	102.4'	16'	B		V	F–2/F–10	
P35	221+61.6	17.0' R	102.4'	16'	B		V	F–2/F–9	
P36	222+00.5	22.0' L	102.3'	16'	B		V	F–2/F–10	
P37	222+00.4	17.0' R	102.2'	16'	B		V	F–2/F–9	

PEDESTRIAN ELECTROLIER NOTES:

1. PEDESTRIAN ELECTROLIERS SHALL CONFORM TO THE DETAILS AND SPECIFICATIONS FOR THIS PROJECT.
2. INSTALL 1C #10 CABLE WITH GREEN INSULATION IN EACH ELECTROLIER TO BOND THE LUMINAIRE TO THE ELECTRICAL SYSTEM.
3. FIRST CIRCUIT IS FOR LUMINAIRE, SECOND IS FOR THE FESTOON OUTLET WHEN APPLICABLE.
4. CONTRACTOR SHALL VERIFY UNDERGROUND UTILITIES AND ADJUST FOUNDATION LOCATION, IF CONFLICT EXISTS.
5. SEE SHEET I18 FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE 6" ABOVE FINISHED GRADE.
6. POST TOP MOUNT LUMINAIRE TO TOP OF SHAFT PER DETAILS.
7. SEE SHEET I17 FOR LUMINAIRE DETAILS.
8. ALL PEDESTRIAN LUMINAIRES SHALL BE FURNISHED WITH A 0–10V DIMMING BALLAST. UNLESS OTHERWISE NOTED OUTPUT IS 100%.
9. ALL PEDESTRIAN LUMINAIRES SHALL BE FURNISHED WITH A 7–PIN PHOTOCELL RECEPTACLE WITH SHORTING CAP.
10. PEDESTRIAN LUMINAIRE FINISH SHALL MATCH FINISH OF POLE SHAFT.
11. FURNISH PEDESTRIAN LUMINAIRE WITH A FIELD INSTALLED HOUSE SIDE SHIELD AT DIRECTION OF ENGINEER. TRIM AND INSTALL HOUSE SIDE SHIELD TO PREVENT LIGHT TRESPASS INTO ADJACENT WINDOWS AND MAXIMIZE SIDEWALK ILLUMINATION. FURNISH ALL UNUSED HOUSE SIDE SHIELDS TO THE ENGINEER.

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
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PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22 SCHEDULE B

4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

PEDESTRIAN LIGHTING SUMMARIES

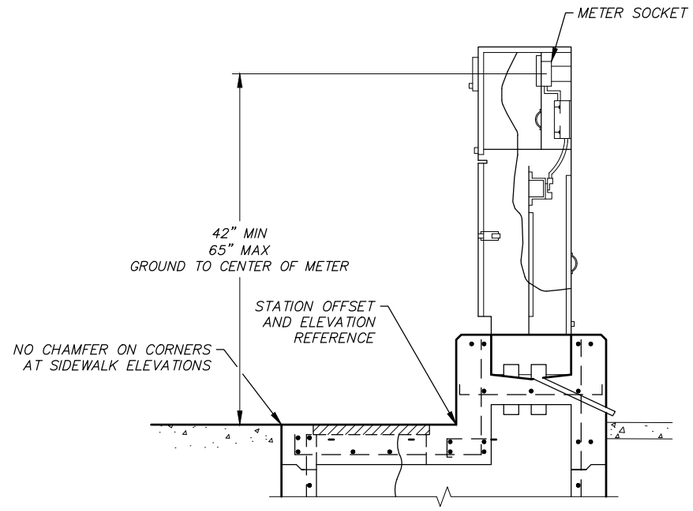
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 17 of 120

PEDESTRIAN LIGHTING JUNCTION BOX SUMMARY				
NUMBER	STATION	OFFSET	TYPE	REMARKS
P1	30+06.4	28.0' L	2	
P2	30+30.3	26.0' R	2	
P3	322+40.5	22.8' L	1A	
P4	323+57.4	23.1' L	1A	
P5	322+41.0	23.4' R	1A	
P6	31+60.4	27.5' L	2	
P7	31+74.4	27.0' R	2	
P8	32+06.4	27.5' L	2	
P9	32+20.4	27.0' R	2	
P10	32+52.4	27.5' L	2	
P11	32+66.4	27.0' R	2	
P12	33+12.4	27.5' R	2	
P13	33+44.4	27.5' L	2	
P14	33+90.4	27.5' L	2	
P15	34+03.5	27.5' R	2	
P16	222+45.9	22.0' L	2	
P17	223+75.5	21.4' L	2	
P18	222+45.8	17.0' R	2	
P19	223+75.5	19.4' R	2	
P20	35+43.1	27.5' R	2	
P21	35+33.6	27.5' L	2	
P22	35+89.1	27.5' R	2	
P23	35+79.6	27.5' L	2	
P24	36+35.1	27.5' R	2	

PEDESTRIAN LIGHTING JUNCTION BOX SUMMARY				
NUMBER	STATION	OFFSET	TYPE	REMARKS
P25	36+81.1	27.5' R	2	
P26	36+71.6	27.5' L	2	
P27	37+27.1	27.5' R	2	
P28	321+72.7	23.6' L	1A	
P29	321+71.9	23.4' R	1A	
P30	322+06.3	23.6' L	1A	
P31	322+05.9	23.5' R	1A	
P32	220+61.8	17.5' R	2	
P33	221+07.8	17.5' R	2	
P34	221+66.7	22.0' L	2	
P35	221+68.8	17.5' R	2	
P36	222+07.2	22.0' L	2	
P37	222+06.8	17.5' R	2	

ROADWAY LIGHTING JUNCTION BOX SUMMARY				
NUMBER	STATION	OFFSET	TYPE	REMARKS
1	32+98.4	27.5' L	2	
2	36+25.6	27.5' L	2	
3	321+38.8	23.6' L	1A	
101	34+51.6	385.5' L	2	
102	34+94.9	33.5' L	2	
103	221+93.7	22.0' L	2	

INTERCONNECT JUNCTION BOX SUMMARY				
NUMBER	STATION	OFFSET	TYPE	REMARKS
201	30+12.4	29.0' LT	2	



6/18 **LOADCENTER ENCLOSURE TYPE 1 & FOUNDATION**
SCALE: NTS

LOAD CENTER FOUNDATION SUMMARY					
NAME	STATION	OFFSET	TYPE	FG ELEVATION	REMARKS
F	221+90.5	17.9' R	TYPE I	101.8	SEE NOTE 1
G	321+51.2	24.1' L	TYPE I	100.0	SEE NOTE 1
P	221+95.6	29.8' R	TYPE I	102.0	SEE NOTE 2

JUNCTION BOX NOTES:

1. JUNCTION BOXES SHALL CONFORM TO THE DETAILS AND SPECIFICATIONS IN THIS PLAN SET.
2. UNLESS OTHERWISE NOTED, TOP OF JUNCTION BOXES SHALL BE INSTALLED FLUSH WITH TOP OF SIDEWALK.
3. ADD GROUND ROD TO ALL JUNCTION BOXES NOT CONNECTED TO A STRUCTURE.

FOUNDATION NOTES:

1. FG ELEVATION PROVIDED IS TOP OF VAULT ACCESS. TOP OF ACCESS VAULT SHALL BE FLUSH WITH SURROUNDING SIDEWALK. SEE DETAIL 6/18.

95% Plans
Not for Construction

RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
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BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

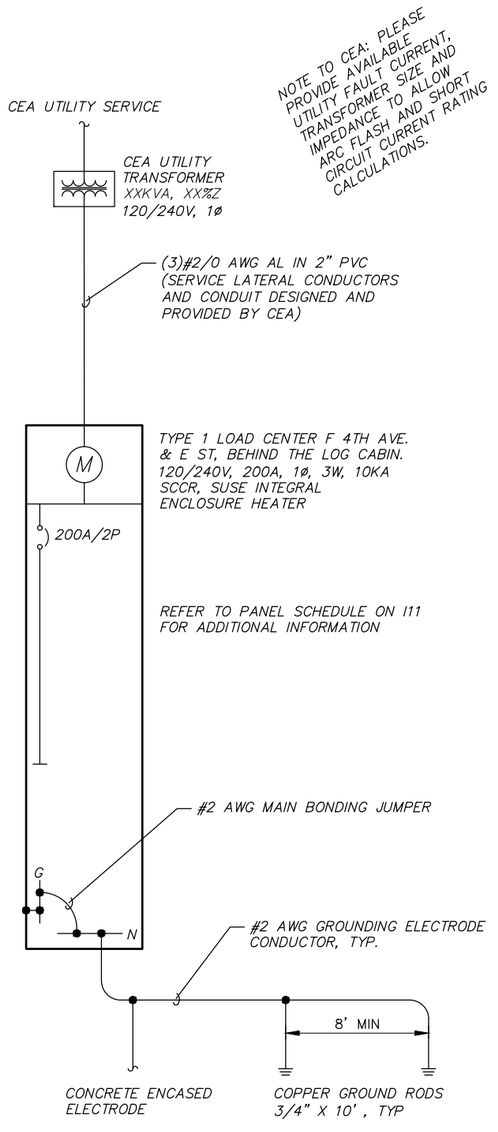
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

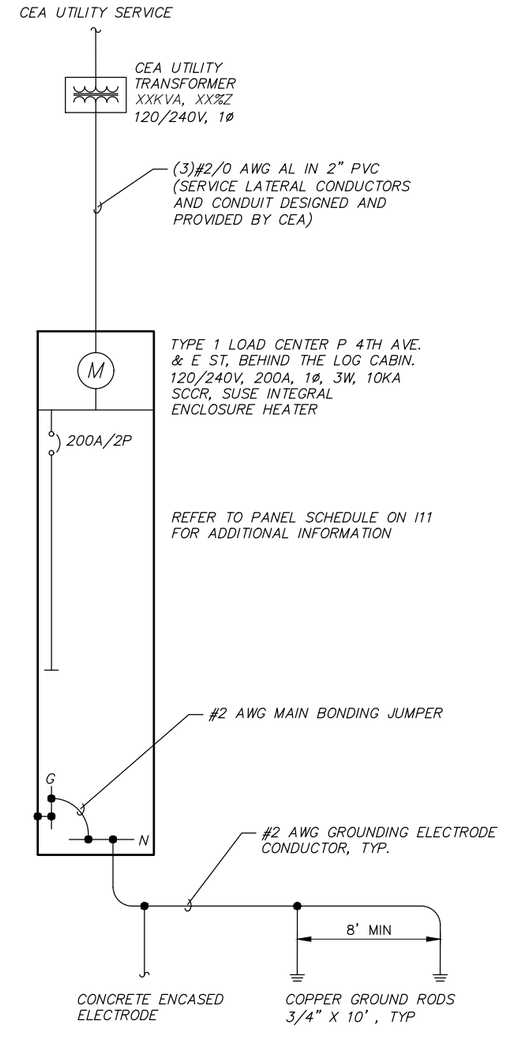
PROJECT NO. 21-22 SCHEDULE B
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

LIGHTING JUNCTION BOX SUMMARIES

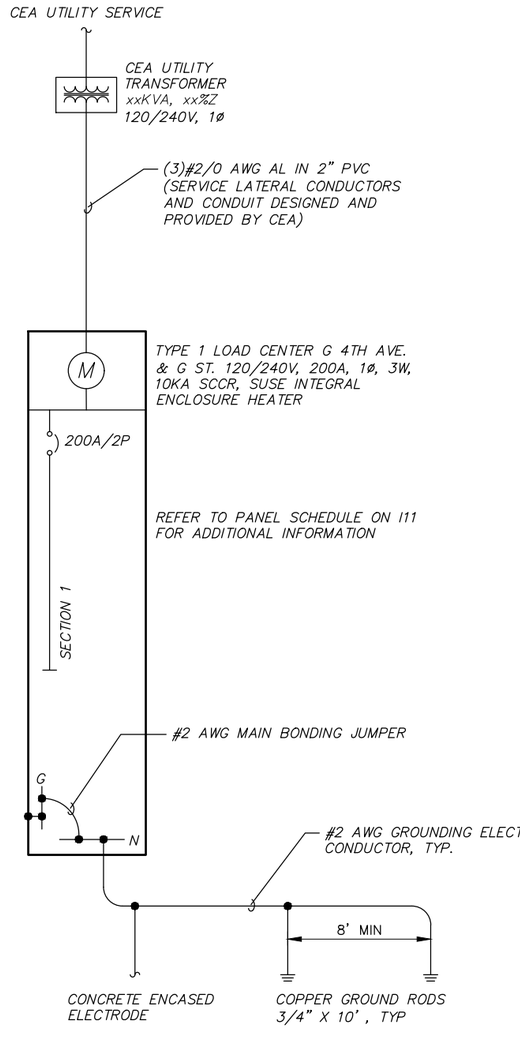
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 18 of 120



1 / I9 ONE-LINE DIAGRAM
4TH AVE. & F ST. LOAD CENTER E
SCALE: NTS



2 / I9 ONE-LINE DIAGRAM
4TH AVE. & F ST. LOAD CENTER P
SCALE: NTS



3 / I9 ONE-LINE DIAGRAM
4TH AVE. & G ST. LOAD CENTER G
SCALE: NTS

NOTES:

1. PROVIDE LOAD CENTERS F, G, P AND ALL ASSOCIATED EQUIPMENT PER MASS REQUIREMENTS AND DRAWINGS. PROVIDE AN ENCLOSURE HEATER AND CONTROL THERMOSTAT INTEGRAL TO THE LOAD CENTER. THERMOSTAT SHALL ENERGIZE THE HEATER AT TEMPERATURES AT OR BELOW +32F.
2. PROVIDE GROUNDING SYSTEMS FOR LOAD CENTERS IN COMPLIANCE WITH NEC, M.A.S.S. AND UTILITY SERVICE REQUIREMENTS.
3. ALL INDICATED UTILITY SERVICE EQUIPMENT INFORMATION AND SERVICE LATERAL INFORMATION IS ASSUMED. CEA TO PROVIDE FINAL UTILITY SIDE EQUIPMENT INFORMATION AND SERVICE LATERAL INFORMATION. CONTRACTOR SHALL REVISE LOAD CENTER EQUIPMENT SELECTIONS AS REQUIRED.
4. PROVIDE NEC 110.16 REQUIRED ARC FLASH WARNING LABELS AND NEC 110.24(A) REQUIRED AVAILABLE FAULT CURRENT FIELD MARKINGS FOR LOAD CENTERS. AVAILABLE FAULT CURRENT CALCULATED BASED ON ASSUMED UTILITY SERVICE TRANSFORMER, TRANSFORMER SECONDARY PROTECTION, SERVICE LATERAL CONDUCTOR SIZE AND LENGTH, AND CONDUIT TYPE. CEA TO PROVIDE FINAL UTILITY SIDE EQUIPMENT AND CONDUCTOR SIZING. REVISE LOAD CENTER EQUIPMENT SELECTIONS, AND REVISE FIELD MARKINGS AS REQUIRED IF DIFFERENT FROM DRAWINGS.
5. PROVIDE UTILITY REQUIRED SERVICE PEDESTAL LOAD TYPE LABEL ON EACH LOAD CENTER. SEE CEA ELECTRICAL SERVICE REQUIREMENT GUIDE, SECTION 508.21, FOR ADDITIONAL INFORMATION.
6. PROVIDE ALL BRANCH CIRCUIT CONDUCTORS, CONDUIT, JUNCTION BOXES, SPLICES, ETC. NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
7. ONE-LINE DIAGRAMS DO NOT SHOW ALL BRANCH CIRCUITS. REFER TO PANEL SCHEDULES ON SHEET I11 FOR ADDITIONAL INFORMATION. SEE SHEETS I1-I5 FOR LOCATIONS OF EQUIPMENT.
8. LOAD CENTER LIGHTING CONTACTORS NOT SHOWN FOR CLARITY ALL LIGHTING CIRCUITS ARE CONTACTOR CONTROLLED. SEE LOAD CENTER WIRING DIAGRAMS ON SHEET I10 FOR ADDITIONAL INFORMATION.

95% Plans
Not for Construction

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PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
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(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

CONSULTANT

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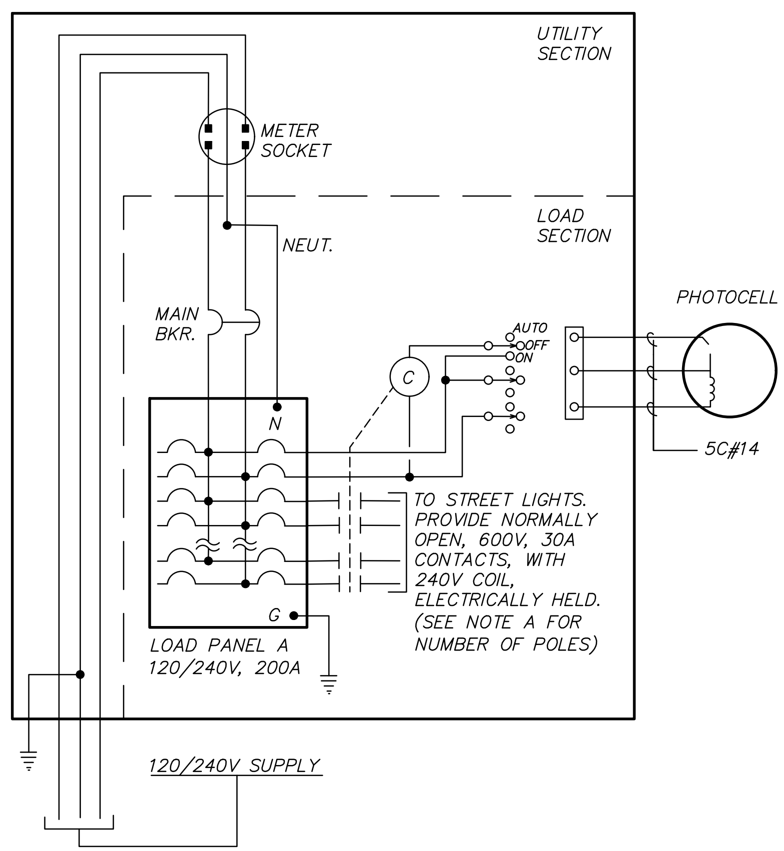
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

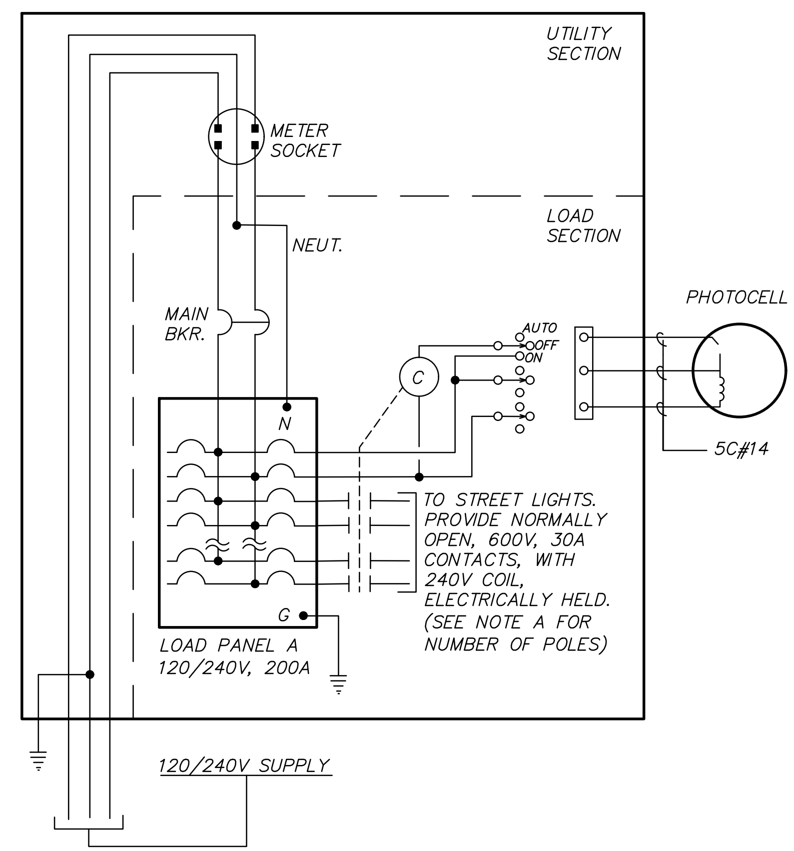
PROJECT NO. 21-22 SCHEDULES B
4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

LOAD CENTER NOTES AND ONE-LINE DIAGRAM

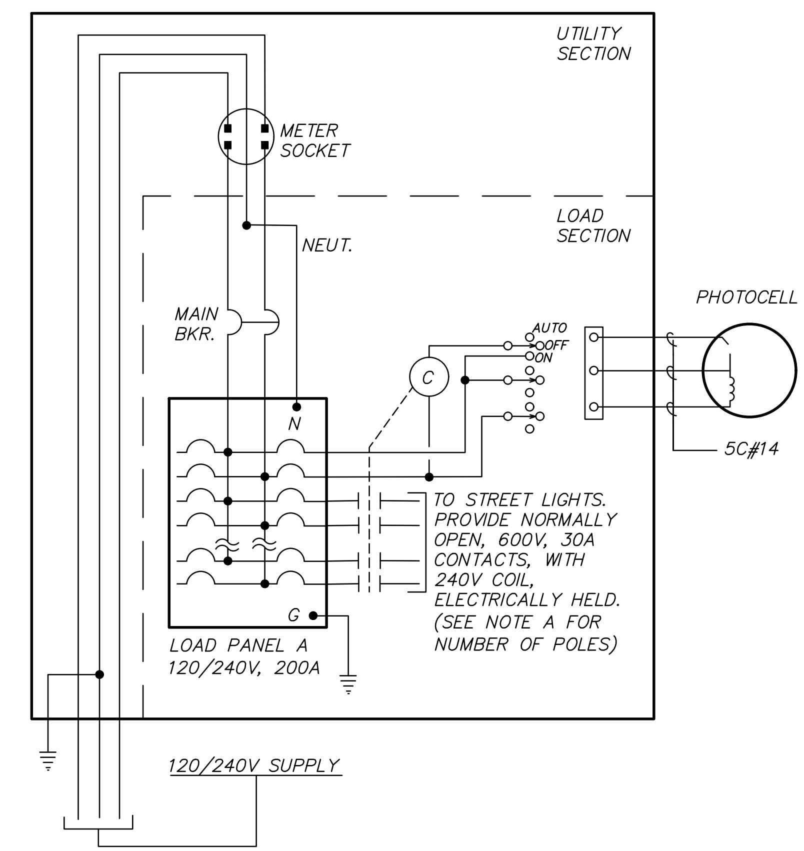
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET I9 of I20



1
I10
LOAD CENTER F WIRING DIAGRAM
4TH AVE. & F ST.
SCALE: NTS



2
I10
LOAD CENTER P WIRING DIAGRAM
4TH AVE. & F ST.
SCALE: NTS (BEHIND LOG CABIN)



3
I10
LOAD CENTER G WIRING DIAGRAM
4TH AVE. & G ST.
SCALE: NTS

NOTES:

A. PROVIDE CONTACTOR POLES FOR ALL LOAD CONTER CONTACTOR CONTROLLED BRANCH CIRCUITS, PLUS AN ADDITIONAL TWO POLES MINIMUM AS SPARES. REFER TO LOAD CENTER PANEL SCHEDULES ON SHEET I11 FOR BRANCH CIRCUITS IDENTIFIED AS CONTACTOR CONTROLLED.

B. LOAD CENTER F, P, & G ARE MOA TYPE 1. FINAL LOAD CENTER PANELBOARD CONFIGURATION AND MAIN CIRCUIT BREAKER(S) CONFIGURATION IS MANUFACTURER DEPENDENT.

MASS DETAIL NOTES:

1. COMPLY WITH THE MOST CURRENT EDITION OF THE NEC THAT HAS BEEN ADOPTED BY MOA AND ALL MOA MODIFICATIONS AND M.A.S.S 2015. ALL WORK TO BE PERFORMED BY ALASKA LICENSED ELECTRICIANS.
2. STREET LIGHT POLES: MAST ARM LENGTH AS PER SCHEDULE. FOUNDATIONS, POLES AND ARMS SHALL BE DESIGNED FOR 100 MPH WINDS AND 130 MPH GUSTS IN CONFORMANCE WITH MASS 2015. A COPY OF THE DESIGN COMPUTATIONS SHALL BE SUPPLIED BY THE MANUFACTURER IN ADDITION TO THE STANDARD SHOP DRAWINGS AND MATERIALS SUBMITTALS PRIOR TO INCORPORATION OF ANY LUMINAIRE, POLE OR MAST ARM INTO THE PROJECT. REFER TO MOA STANDARD SPECIFICATIONS SECTION 80.05 ARTICLE 5.1 AND SECTION 80.06 ARTICLE 6.1.
3. BRANCH CIRCUIT WIRE: 3C/#8 XHHW UNLESS NOTED OTHERWISE, STRANDED COPPER WITH OVERALL POLYETHYLENE JACKET. ALL TAPS AND SPLICES SHALL BE DIRECT BURIAL RATED. PROVIDE A GROUND WIRE IN ALL CONDUITS, SIZE AS NOTED.
4. CONDUIT SCHEDULE: 2" RIGID STEEL CONDUIT (RSC) OR 2" SCHEDULE 40 PVC, BURIED 30". IF PVC IS USED, ALL ROAD CROSSINGS, 90° SWEEPS AND THE RUN FROM THE LOAD CENTER TO THE JUNCTION BOX AT THE BASE OF THE LOAD CENTER SHALL BE RSC.
5. JUNCTION BOXES: TYPE 1-A WITH "LIGHTING" ON COVER.
6. ALL JUNCTION BOXES SHALL BE INSTALLED ON THE DOWN STREAM SIDE OF TRAFFIC FROM THE POLE.
7. HAND HOLES ON THE POLES SHALL BE ON THE DOWNSTREAM SIDE OF TRAFFIC.
8. LOAD CENTER SIMILAR TO: TYPE 1: CIRCLE AW CMP-4900 ON A MB-2820 BASE.
9. INSERT A LAMINATED COPY OF THE CIRCUIT DIRECTORY INSIDE OF THE LOAD CENTER.
10. INSERT A LAMINATED COPY OF THE POWER AND CONTROL ONE LINE DIAGRAM INSIDE OF THE LOAD CENTER WITH THE FOLLOWING INFORMATION: LOAD CENTER IDENTIFICATION (A, B, ETC.), PROJECT NAME, MUNICIPAL PROJECT NUMBER AND SERVICE VOLTAGE.
11. PROVIDE SCOTCHCAL 220 LABELS ON FRONT OF LOAD CENTER "LU" AND "MOA".
12. PROVIDE A PHENOLIC LAMINATED LABEL "MAXIMUM FAULT CURRENT OF ___ AMPS, CALCULATED __/__/20__".
13. ALL EQUIPMENT, POLES, FOUNDATIONS AND JUNCTION BOXES SHALL BE A MINIMUM OF 7' BACK OF THE TRAVELED WAY IF THERE IS NO SIDEWALK OR 2' BACK OF SIDEWALK IF A SIDEWALK IS PRESENT.
14. ALL POLES ARE FIXED BASE.
15. PROVIDE TWO POLE IDENTIFICATION TAGS AS PER M.A.S.S. 80.05.6.
16. REFER TO ASSOCIATED M.A.S.S. DETAILS:
    - 16.1. 80-3 (CONCRETE FOUNDATION LOAD CENTER TYPE 1)
    - 16.2. 80-9 (POURED CONCRETE LUMINAIRE POLE FOUNDATION)
    - 16.3. 80-13 (DRIVEN STEEL PILE LIGHT POLE FOUNDATION)
    - 16.4. 80-18 (LUMINAIRE CLEARANCES)
    - 16.5. 80-19 (FLANGE MOUNTED LUMINAIRE POLE)
    - 16.6. 80-20 (LUMINAIRE ARM DETAIL)
    - 16.7. 80-21 (DRIVEN STEEL PILE SLIP BASE POLE ASSEMBLY)
    - 16.8. 80-22 (FLANGE MOUNTED DETAIL FOR CONCRETE LUMINAIRE BASE)
    - 16.9. 80-30 (HDPE/PVC TRANSITION DETAIL)
    - 16.10. 80-31 (TYPE 1A JUNCTION BOX)
    - 16.11. 80-32 (TYPE II JUNCTION BOX)
    - 16.12. 80-33 (TYPE III JUNCTION BOX)
    - 16.13. 80-37 (LOAD CENTER ENCLOSURE TYPE 1)

95% Plans
Not for Construction

RECORD DRAWING
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PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE
PLAN CHECK		

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
CONSTRUCTION RECORD	VERTICAL DATUM			REVISIONS			

KINNEY ENGINEERING, LLC
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PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT
PROJECT NO. 21-22
SCHEDULES B
4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET
LOAD CENTER WIRING DIAGRAMS
SCALE HOR. N/A VER. N/A
GRID 1230
DATE JUN 2024
STATUS: PRELIMINARY
SHEET I10 of I20

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_I9-I10_LC SCHD-DTLS.dwg, 1:2, 5/17/24 at 12:09 by BRIAN.LEWIS

NEW — LOAD CENTER SUMMARY

LOAD CENTER: "LC F" TYPE: 1A
LOCATION: F STREET, WEST OF LOG CABIN
REMARKS:

UTILITY SOURCE: 25 KVA PAD MOUNT XFMR util co METER #x
SERVICE: 200 AMP, 120/240 VOLT, 1-PHASE, 3-WIRE
MAX. AVAILABLE FAULT CURRENT: x AMP

MAIN BREAKER: 200 AMP, 2-POLE, 120/240 VOLT INTERRUPTING RATING: 10,000 AMP

AUXILIARY EQUIPMENT SUMMARY

DESCRIPTION	VOLT	POLES	AMP	REMARKS
SURGE ARRESTOR	240	2		
SELECTOR SWITCH, AUTO-ON-OFF (3-POS)	240	1	10	
LIGHTING CONTROL CONTACTOR	240	14	30	MAGNETICALLY LATCHED TYPE

PANEL 'A' SCHEDULE — 120/240 VOLT, 1-PHASE, 3-WIRE, 200A BUS, MLO — INTERRUPTING RATING: 10,000 AMP

CKT. NO.	DESCRIPTION	CKT. BKR.	KVA	KVA / LEG A	KVA / LEG B	CKT NO.	DESCRIPTION	CKT. BKR.	KVA
1	INTERSECTION LIGHTING LTG (4 LUMS) (F-1)	20A/2P	0.2	0.3		2	LIGHTING CONTROL	15A/1P	0.1
3	4TH AND F		0.2		0.7	4	CABINET HEATER	15A/1P	0.5
5	4TH &F SOUTH STREET LTG (15 LUMS) (F-2)	20A/2P	0.3	4.3		6	TRAFFIC CONTROLLER (F-8)	40A/1P	4.0
7			0.3		0.9	8	FESTOON RECPTS F, EAST SIDE (F-9)	20A/1	0.5
8	4TH &F NORTH STREET LTG (10 LUMS) (F-3)	20A/2P	0.3	0.9		10	FESTOON RECPTS F WEST SIDE (F-10)	20A/1	0.5
11			0.3		0.7	12	FESTOON RECPTS F EAST SIDE (F-11)	20A/1	0.4
13	SEO SPECIAL EVENT OUTLET (F-4)	50A/2P	2.0	2.5		14	FESTOON RECPTS 4TH SOUTH SIDE (F-12)	20A/1	0.5
15	NW CORNER SIGNAL POLE		2.0		2.4	16	FESTOON RECPTS 4TH SOUTH SIDE (F-13)	20A/1	0.4
17	SEO SPECIAL EVENT OUTLET (F-5)	50A/2P	2.0	2.4		18	FESTOON RECPTS 4TH SOUTH SIDE (F-14)	20A/1	0.4
19	NE CORNER SIGNAL POLE		2.0		2.4	20	FESTOON RECPTS F & 4TH NORTH SIDE (F-15)	20A/1	0.4
21	SEO SPECIAL EVENT OUTLET (F-6)	50A/2P	2.0	2.4		22	FESTOON RECPTS F & 4TH NORTH SIDE (F-16)	20A/1	0.4
23	SE CORNER SIGNAL POLE		2.0		2.4	24	FESTOON RECPTS F & 4TH NORTH SIDE (F-17)	20A/1	0.4
25	SEO SPECIAL EVENT OUTLET (F-7)	50A/2P	2.0	2.4		26	FESTOON RECPTS 4TH NORTH SIDE (F-18)	20A/1	0.4
27	SL POLE 2		2.0		2.5	28	TREE RECEPTACLES 4TH SOUTH (F-19)	20A/1	0.5
29	SPARE	50A/2P		0.5		30	TREE RECEPTACLES 4TH SOUTH (F-20)	20A/1	0.5
31					0.5	32	TREE RECEPTACLES 4TH NORTH (F-21)	20A/1	0.5
33	SPARE	20A/2P		0.5		34	TREE RECEPTACLES 4TH NORTH (F-22)	20A/1	0.5
35					0.5	36	TREE RECEPTACLES 4TH NORTH (F-23)	20A/1	0.5
37	SPARE	20A/2P		0.0		38	SPARE	20A/1	0.0
39					0.0	30	SPARE	20A/1	0.0
41	SPACE				0.0	42	SPARE	20A/1	0.0

SERVICE LOAD: CONNECTED: 16.2 12.9 29.1 KVA 121 AMP
DEMAND: 20.235 16.185 36.4 KVA 152 AMP

NOTES: LUM = LUMINAIRE
* X
** X
*** X

NEW — LOAD CENTER SUMMARY

LOAD CENTER: "LC G" TYPE: 1A
LOCATION: F STREET, WEST OF LOG CABIN
REMARKS:

UTILITY SOURCE: 25 KVA PAD MOUNT XFMR util co METER #x
SERVICE: 200 AMP, 120/240 VOLT, 1-PHASE, 3-WIRE
MAX. AVAILABLE FAULT CURRENT: x AMP

MAIN BREAKER: 200 AMP, 2-POLE, 120/240 VOLT INTERRUPTING RATING: 10,000 AMP

AUXILIARY EQUIPMENT SUMMARY

DESCRIPTION	VOLT	POLES	AMP	REMARKS
SURGE ARRESTOR	240	2		
SELECTOR SWITCH, AUTO-ON-OFF (3-POS)	240	1	10	
LIGHTING CONTROL CONTACTOR	240	10	30	MAGNETICALLY LATCHED TYPE

PANEL 'A' SCHEDULE — 120/240 VOLT, 1-PHASE, 3-WIRE, 200A BUS, MLO — INTERRUPTING RATING: 10,000 AMP

CKT. NO.	DESCRIPTION	CKT. BKR.	KVA	KVA / LEG A	KVA / LEG B	CKT NO.	DESCRIPTION	CKT. BKR.	KVA
1	INTERSECTION LIGHTING LTG (4 LUMS) (G-1)	20A/2P	0.2	0.3		2	LIGHTING CONTROL	15A/1P	0.1
3	4TH AND G		0.2		0.7	4	CABINET HEATER	15A/1P	0.5
5	4TH LIGHTING LTG (15 LUMS) (G-2)	20A/2P	0.4	4.4		6	TRAFFIC CONTROLLER (G-6)	40A/1P	4.0
7			0.4		0.9	8	FESTOON RECEPTACLES G WEST SIDE (G-7)	20A/1P	0.5
8	SEO SPECIAL EVENT OUTLET (G-3)	20A/2P	2.0	2.5		10	FESTOON RECEPTACLES G EAST SIDE (G-8)	20A/1P	0.5
11	NW CORNER SIGNAL POLE		2.0		2.5	12	FESTOON RECEPTACLES G&4TH SOUTH SIDE (G-9)	20A/1P	0.5
13	SEO SPECIAL EVENT OUTLET (G-4)	20A/2P	2.0	2.4		14	FESTOON RECEPTACLES 4TH SOUTH & NORTH SIDE (G-10)	20A/1P	0.4
15	NE CORNER SIGNAL POLE		2.0		2.4	16	FESTOON RECEPTACLES 4TH SOUTH SIDE (G-11)	20A/1P	0.4
17	SEO SPECIAL EVENT OUTLET (G-5)	20A/2P	2.0	2.5		18	FESTOON RECEPTACLES 4TH SOUTH SIDE (G-12)	20A/1P	0.5
19	SW CORNER SIGNAL POLE		2.0		2.4	20	TREE RECEPTACLES 4TH NORTH (G-13)	20A/1P	0.4
21	SPARE	20A/2P	0.0	0.0		22	SPARE	20A/1P	0.0
23			0.0		0.0	24	SPARE	20A/1P	0.0
25	SPARE	20A/2P	0.0	0.0		26	SPARE	20A/1P	0.0
27			0.0		0.0	28	SPARE	20A/1P	0.0
29	SPACE			0.0		30	SPARE	20A/1P	0.0

SERVICE LOAD: CONNECTED: 12.1 8.8 20.9 KVA 87 AMP
DEMAND: 15.1 11.05 26.2 KVA 109 AMP

NOTES: LUM = LUMINAIRE
* X
** X
*** X

95% Plans
Not for Construction

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WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

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3909 ARCTIC BLVD, SUITE 400
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PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULES B
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET
LOAD CENTER
PANEL SCHEDULES

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET I11 of I20

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_I11_LC PANEL SCHD.dwg, 1:2, 5/17/24 at 12:14 by BRIAN.LEWIS

NEW

LOAD CENTER SUMMARY

LOAD CENTER: "LC P" TYPE: 1A
LOCATION: PERATROVICH PARK
REMARKS:

UTILITY SOURCE: 25 KVA PAD MOUNT XFMR util co METER #x
SERVICE: 200 AMP, 120/240 VOLT, 1-PHASE, 3-WIRE
MAX. AVAILABLE FAULT CURRENT: x AMP

MAIN BREAKER: 200 AMP, 2-POLE, 120/240 VOLT INTERRUPTING RATING: 10,000 AMP

AUXILIARY EQUIPMENT SUMMARY

DESCRIPTION	VOLT	POLES	AMP	REMARKS
SURGE ARRESTOR	240	2		
SELECTOR SWITCH, AUTO-ON-OFF (3-POS)	240	1	10	
LIGHTING CONTROL CONTACTOR	240	8	30	MAGNETICALLY LATCHED TYPE

PANEL 'P' SCHEDULE

120/240 VOLT, 1-PHASE, 3-WIRE, 200A BUS, MLO INTERRUPTING RATING: 10,000 AMP

CKT. NO.	DESCRIPTION	CKT. BKR.	KVA	KVA / LEG A	KVA / LEG B	CKT NO.	DESCRIPTION	CKT. BKR.	KVA
1	POWER RECEPTACLE (x-1)	50A/2P	2.5	2.6		2	SITE LIGHTING CONTROL	15A/1P	0.1
3			2.5		3.0	4	CABINET HEATER	15A/1P	0.5
5	SITE LIGHTING (x-2)	20A/2P	0.5	2.0		6	RECEPTACLES (x-7)	20A/1P	1.5
7			0.5		2.0	8	RECEPTACLES (x-8)	20A/1P	1.5
8	SITE LIGHTING (x-3)	20A/2P	0.5	2.0		10	RECEPTACLES (x-9)	20A/1P	1.5
11			0.5		2.0	12	RECEPTACLES (x-10)	20A/1P	1.5
13	SPARE (x-4)	50A/2P	0.0	1.5		14	STAGE LIGHTING (x-11)	20A/1P	1.5
15			0.0		1.5	16	STAGE LIGHTING (x-12)	20A/1P	1.5
17	SPARE (x-5)	30A/2P	0.0	0.0		18	SPARE (x-13)	20A/1P	0.0
19			0.0		0.0	20	SPARE (x-14)	20A/1P	0.0
21	SPARE (x-6)	20A/2P	0.0	0.0		22	SPARE (x-15)	20A/1P	0.0
23			0.0		0.0	24	SPARE (x-16)	20A/1P	0.0
25	SPACE	-	0.0	0.0		26	SPARE (x-17)	20A/1P	0.0
27	SPACE	-	0.0		0.0	28	SPARE (x-18)	20A/1P	0.0
29	SPACE	-		0.0		30	SPACE	-	

SERVICE LOAD:					
CONNECTED:	8.1	8.5	16.6	KVA	69 AMP
DEMAND:	10.125	10.625	20.8	KVA	86 AMP

NOTES: LUM = LUMINAIRE
* X
** X
*** X

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PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV.	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
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(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

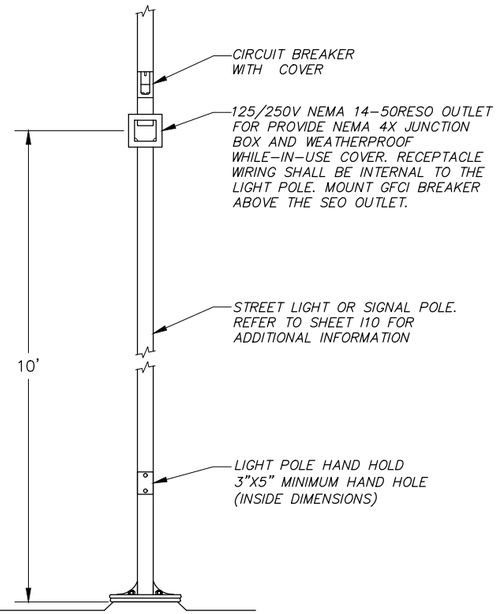
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULES B
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET
LOAD CENTER
PANEL SCHEDULES

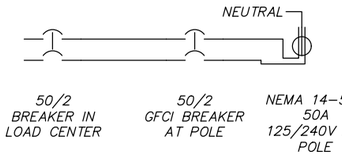
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 112 of 120

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_111_LC PANEL SCHD.dwg, 1:2, 5/17/24 at 12:14 by BRIAN.LEWIS



1 / I13 **SEO OUTLET MOUNTING DETAIL**

SCALE: NTS ELEVATION VIEW



WIRING DIAGRAM FOR 50A, 240V RECEPTACLES AT ALL SIGNAL POLES

SHEET NOTES:

1. PROVIDE A WEATHER PROOF ENCLOSURE AND AN "WEATHER PROOF WILL IN USE" COVER FOR THE 50 AMP RECEPTACLE.
2. MOUNT RECEPTACLE WITH GROUND CONNECTION DOWN.

NOTES FOR END USERS:

1. END USER TO PROVIDE A NEMA 14-50P PLUG TO MATCH 50 AMP RECEPTACLE.
2. END USER IS RESPONSIBLE FOR ALL ELECTRICAL CONNECTIONS DOWNSTREAM OF THE 50 AMP RECEPTACLE,

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DATA	DRAWN BY	CHECKED BY
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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

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PROJECT NO. 21-22 SCHEDULES B

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

POLE RECEPTACLE DETAILS

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET I13 of 120

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_I14_SERVICE CALC.dwg, 1:2, 5/17/24 at 12:19 by BRIAN.LEWIS

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   BY: _____

PLAN CHECK

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BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

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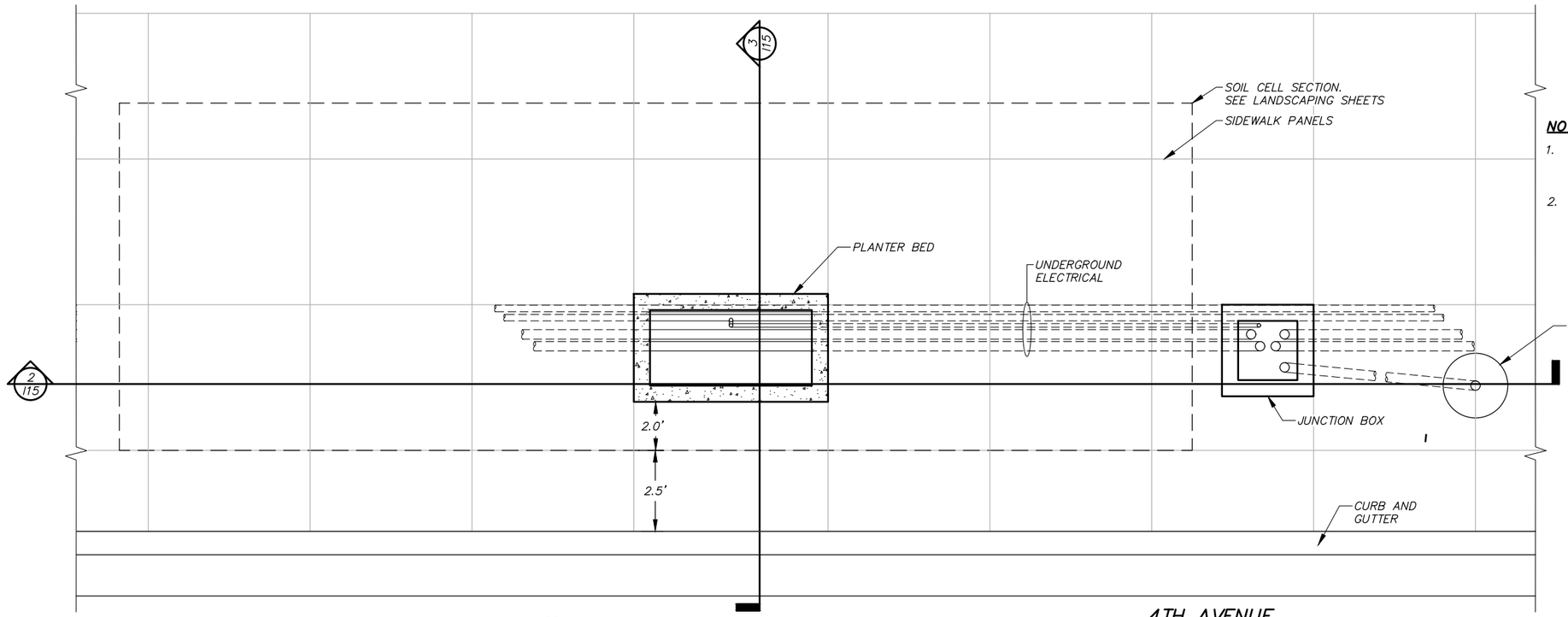
PROJECT NO. 21-22 SCHEDULES B

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

SERVICE CALCULATION

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 114 of 120

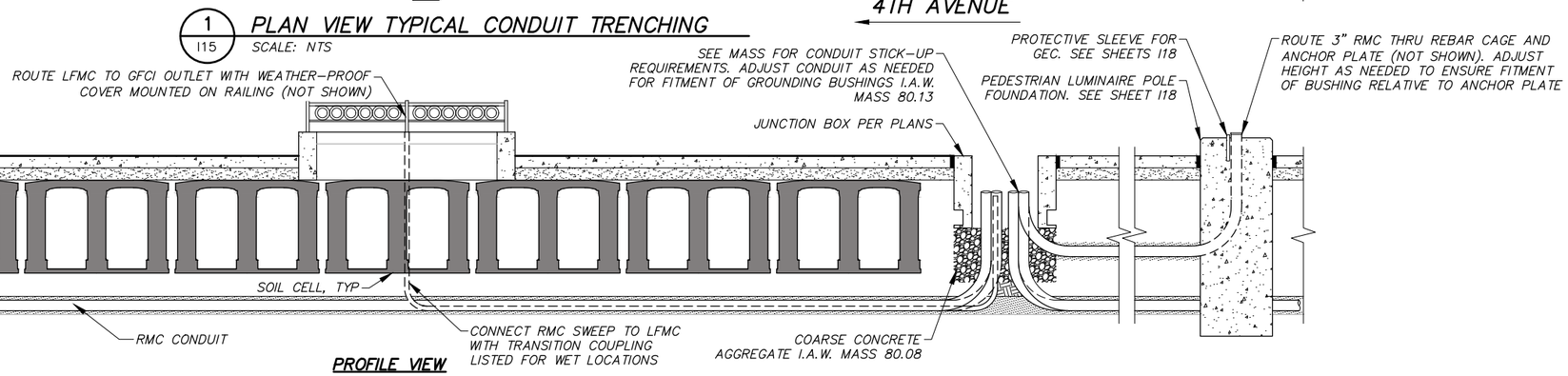


NOTES:

1. PROVIDE 46" MIN COVER FROM TOP OF FINAL GRADE TO LARGEST CONDUIT WHEN ROUTING THRU SOIL CELL SECTION.
2. PLACE CENTER OF JUNCTION BOXES A MINIMUM OF 6-FT FROM CENTER OF LIGHT POLES. PLACE JUNCTION BOXES AT NEAREST SIDEWALK JOINTS NOT IN CONFLICT WITH SOIL CELL.

1/115 PLAN VIEW TYPICAL CONDUIT TRENCHING

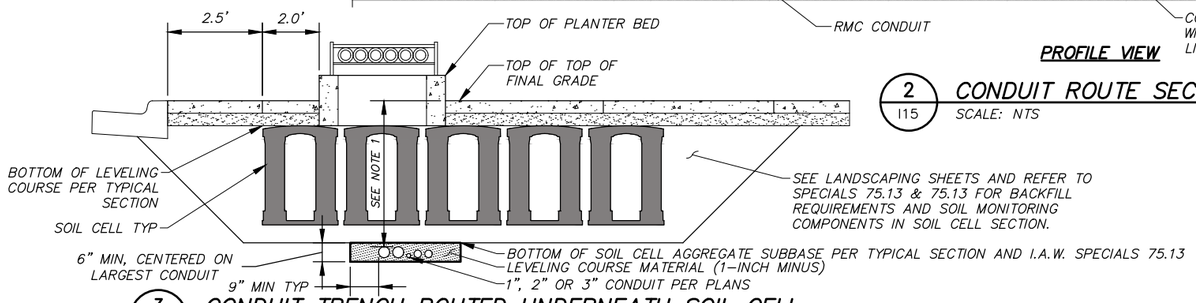
SCALE: NTS



PROFILE VIEW

2/115 CONDUIT ROUTE SECTION

SCALE: NTS



3/115 CONDUIT TRENCH ROUTED UNDERNEATH SOIL CELL

SCALE: NTS

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   BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

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REV	DATE	DESCRIPTION	BY

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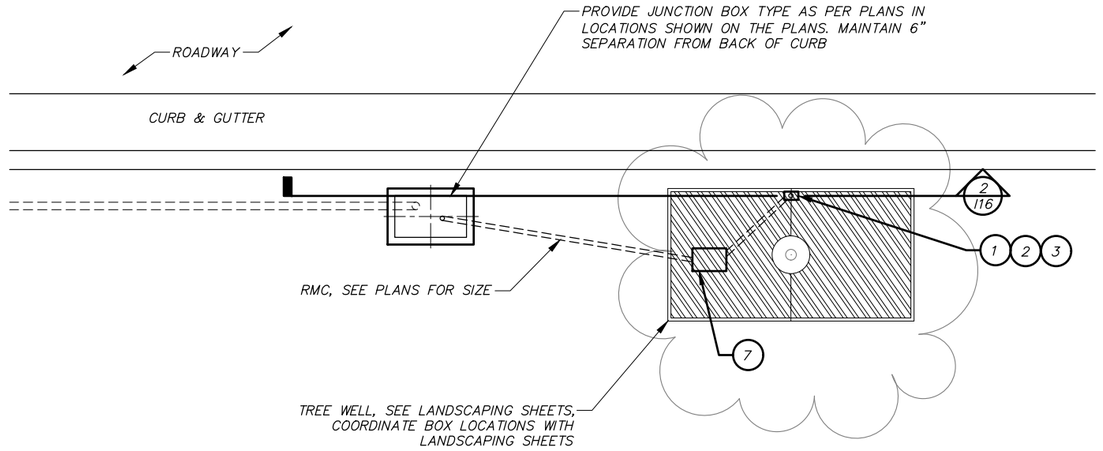
PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

CONDUIT AND TRENCH DETAIL

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 115 of 120

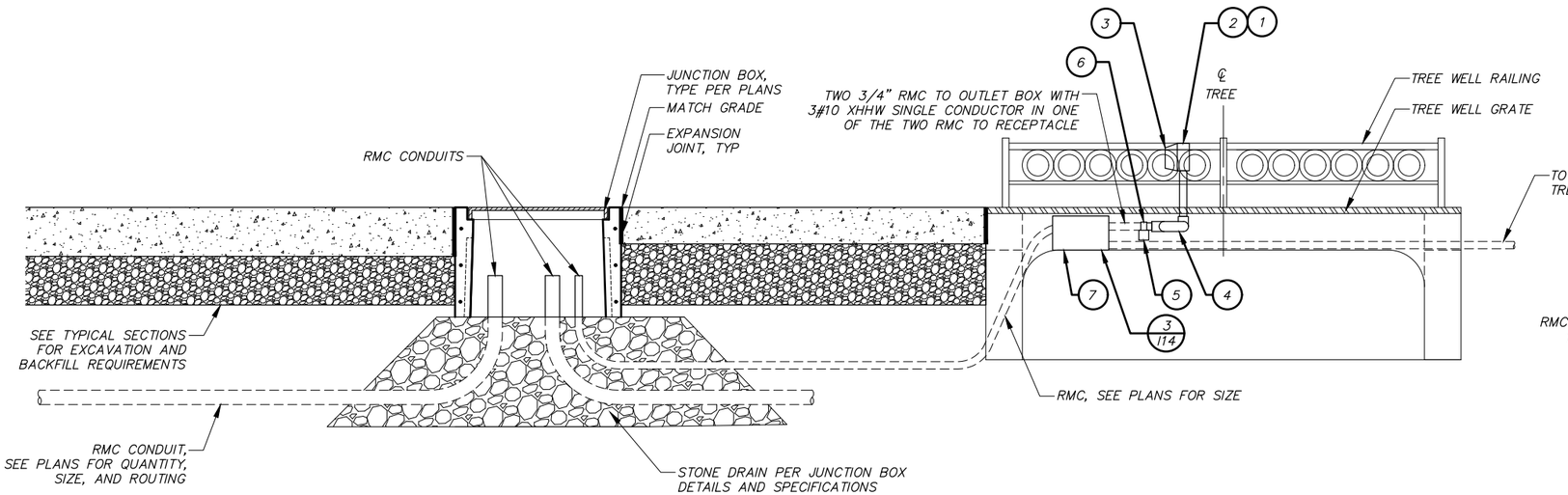


1 / 116 **TREE WELL FESTOON OUTLET LAYOUT DETAIL**

SCALE: NTS

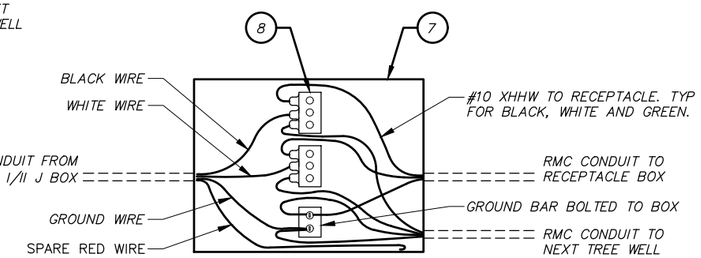
NOTES:

1. ONE–GANG, HEAVY–DUTY, CAST ALUMINUM, POWDER COATED, WEATHERPROOF OUTLET BOX WITH LUGS. SIZE FOR TWO 3/4" DIAMETER RMC CONDUITS PER PLAN.
2. 20A–125V WEATHER–RESISTANT, TAMPER–RESISTANT SMARTLOCK–PRO GFCI RECEPTACLE.
3. NEMA 3R RATED, HEAVY–DUTY, CAST ALUMINUM, POWDER COATED WHILE–IN–USE COVER. PROVIDE WITH PADLOCK EYE.
4. NEC 6X8X SERIES LR AND LL MOGUL UNILET CONDUIT OUTLET BODIES. BODY SHALL BE HEAVY–DUTY, GALVANIZED STEEL WITH COVER, NEOPRENE GASKET, AND STAINLESS STEEL SCREWS. PROVIDE WITH BUILT IN ROLLERS OR BLUEKOTE TEFLON OR EQUIVALENT INTERNAL COATING. WHEN 2–3/4" CONDUIT ARE REQUIRED, ORIENT LL AND LR COVERS TO FACILITATE ACCESS.
5. 1–5/8" GALVANIZED STEEL, 12 GAUGE, SQUARE CHANNEL. MOUNT TO SIDE OF PCC TREE BRIDGE WITH HEAVY–DUTY GALVANIZED STEEL BRACKET AND FITTINGS. USE HILTI ANCHOR BOLTS OR APPROVED EQUIVALENT TO ANCHOR BRACKET TO TREE BRIDGE.
6. GALVANIZED STEEL CONDUIT CLAMP. PROVIDE WITH TWO MOUNTING HOLES OR EQUIVALENT (2–POINTS OF CONTACT WITH CHANNEL).
7. NEMA 4 WATERTIGHT HOT DIPPED GALVANIZED CAST IRON BOX WITH OVERLAPPING LID. 8"X8"X4" CROUSE HINDS WCB080804 OR EQUAL. INSTALL FACE UP. INCREASE BOX SIZE AS NEEDED FOR LARGER CONDUITS. DRILL 3/16" WEEP HOLE IN BOTTOM AND INSTALL WEEP FITTING. INSTALL SPLICES INSIDE OF BOX.
8. INSULATED SUBMERSIBLE CONNECTOR. POLARIS ISPB2/0–3B OR EQUAL.
9. SEE SHEET MASS 80–13, 80–32, AND 80–33, FOR JUNCTION BOX DETAILS.



2 / 116 **SECTION A–A**

SCALE: NTS



3 / 116 **TREE WELL SPLICE BOX DETAIL**

SCALE: NTS

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
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(907) 346–2373
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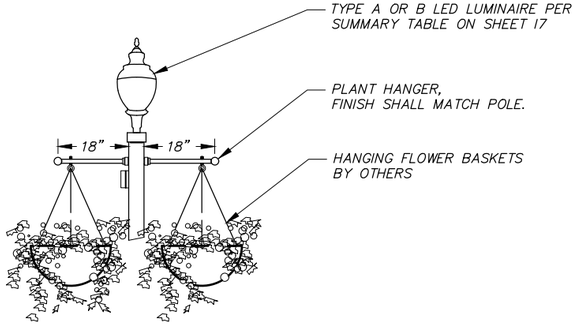
PROJECT NO. 21–22

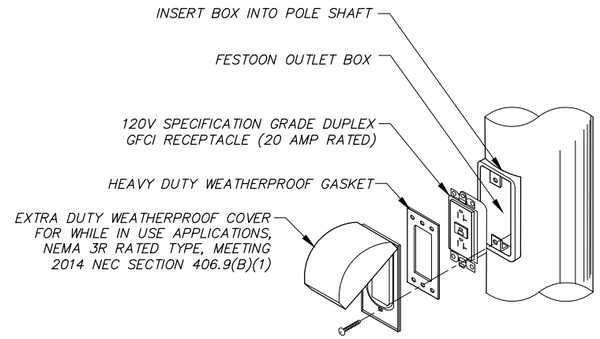
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

TREE WELL FESTOON OUTLET DETAIL

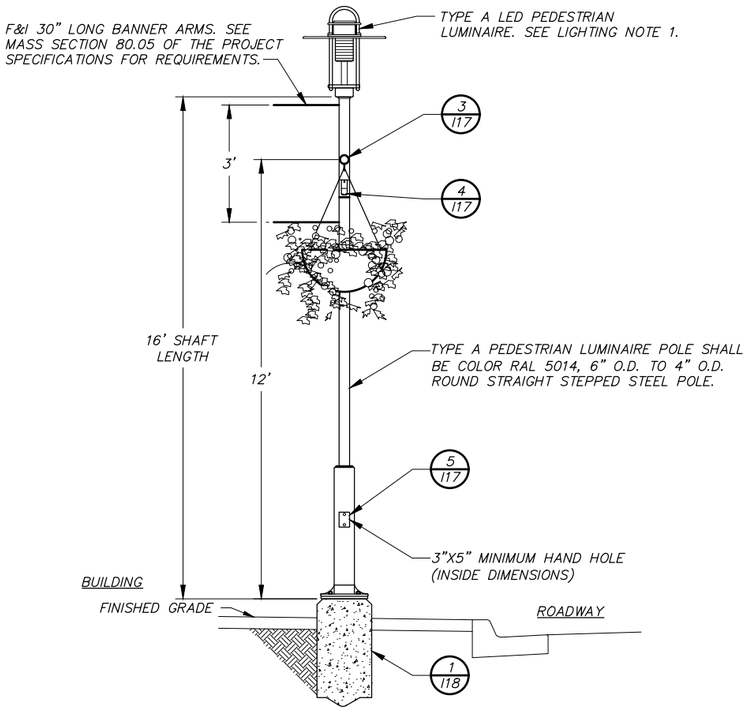
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 116 of 120



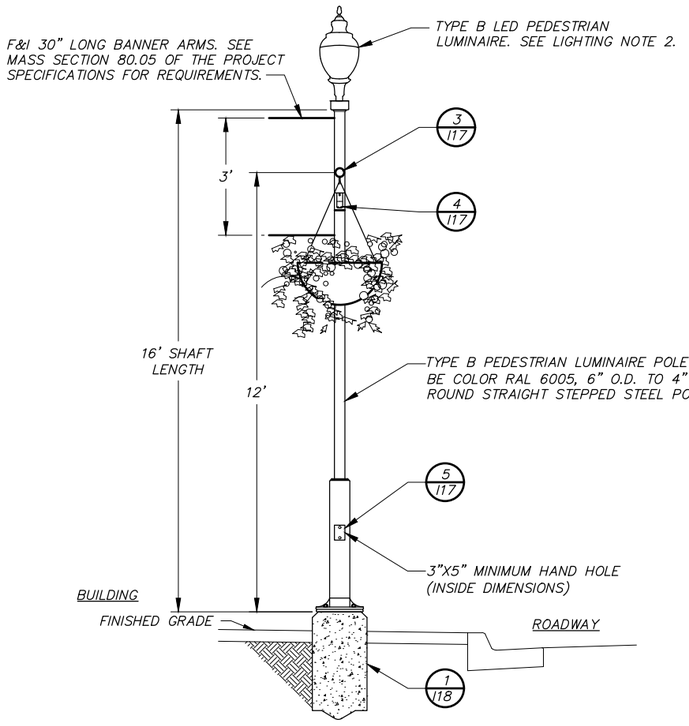
3/117 PEDESTRIAN POLE PLANTER ARM
SCALE: NTS FRONT VIEW



4/117 FESTOON OUTLET DETAIL
SCALE: NTS ISOMETRIC VIEW



1/117 TYPE "A" PEDESTRIAN ELECTROLIER
SCALE: NTS ELEVATION VIEW



2/117 HISTORIC DISTRICT TYPE "B" PEDESTRIAN ELECTROLIER
SCALE: NTS ELEVATION VIEW

GROUNDING NOTES:

1. USE #6 AWG GROUND CONNECTOR TO #4 HOOP REBAR WITH IRREVERSABLE CONNECTION 12 INCHES BELOW TOP OF FOUNDATION.
2. PROTECT GROUND WIRE WITH 3/4 INCH PVC OR HDPE CONDUIT TO 6 INCHES BELOW TOP OF FOUNDATION FILLED WITH SILICON SEALANT. FREE GROUND CONDUCTOR ABOVE TOP OF FOUNDATION TO 2 FEET.

DESIGN NOTES:

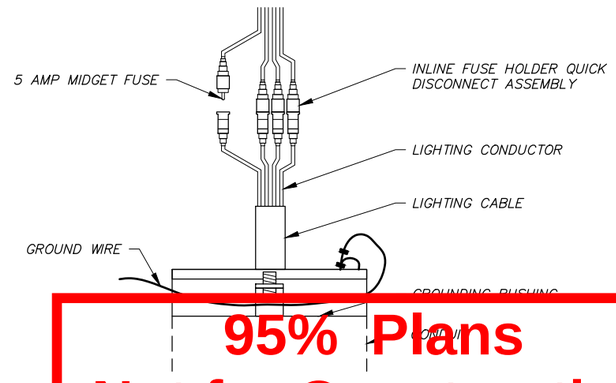
DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 1994 EDITION.

CONSTRUCTION: MASS 2024

WIND LOAD: 100 mph w/ 1.3 GUST FACTOR

LIGHTING NOTES:

1. TYPE A PEDESTRIAN LUMINAIRE SHALL MEET THE FOLLOWING REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
   - LAMP TYPE: LED
   - WATTAGE: 31W
   - IES DISTRIBUTION: TYPE II OR V
   - BASIS OF DESIGN: STERNBERG VILLA 1730LED-1RND WITH CLEAR ACRYLIC EXTERIOR LENS, MEDIUM DIFFUSE INTERNAL DOME LENS.
2. TYPE B PEDESTRIAN LUMINAIRE SHALL MEET THE FOLLOWING REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
   - LAMP TYPE: LED
   - WATTAGE: 40W
   - IES DISTRIBUTION: TYPE V
   - BASIS OF DESIGN: STERNBERG ACORN POST TOP 1930-VCOB-4L-MDL02 WITH TEXTURED ACRYLIC LENS.
3. SUPPLY FIXTURES AS SPECIFIED OR PROVIDE APPROVED EQUAL THAT SATISFIES THE LIGHTING DESIGN CRITERIA ON SHEET I6 AND SPECIFICATIONS.
4. LOCATE THE HANDHOLE ON THE SIDE OF THE POLE AWAY FROM ONCOMING TRAFFIC FLOW. G STREET IS A ONE-WAY SOUTHBOUND ROADWAY. F STREET IS A ONE-WAY NORTHBOUND ROADWAY.
5. F&I FUSED DISCONNECT LOCATED IN THE POLE BASE. THE ELECTRICAL DISCONNECT SHALL BE UL LISTED, 600 VOLT RATED, AND APPROVED FOR WET LOCATIONS.



5/117 ILLUMINATION CIRCUIT FUSE HOLDER DETAIL

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS | CONSTRUCTION RECORD

TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

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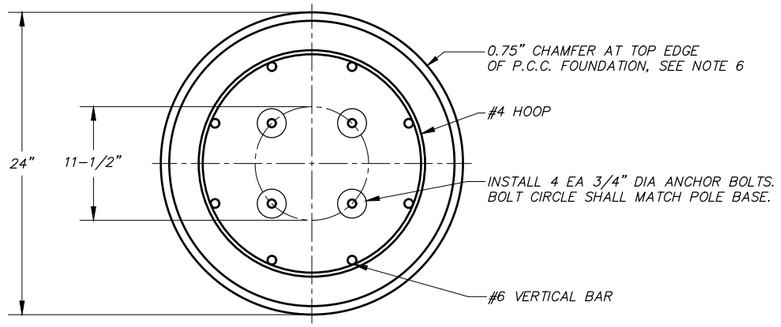
PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

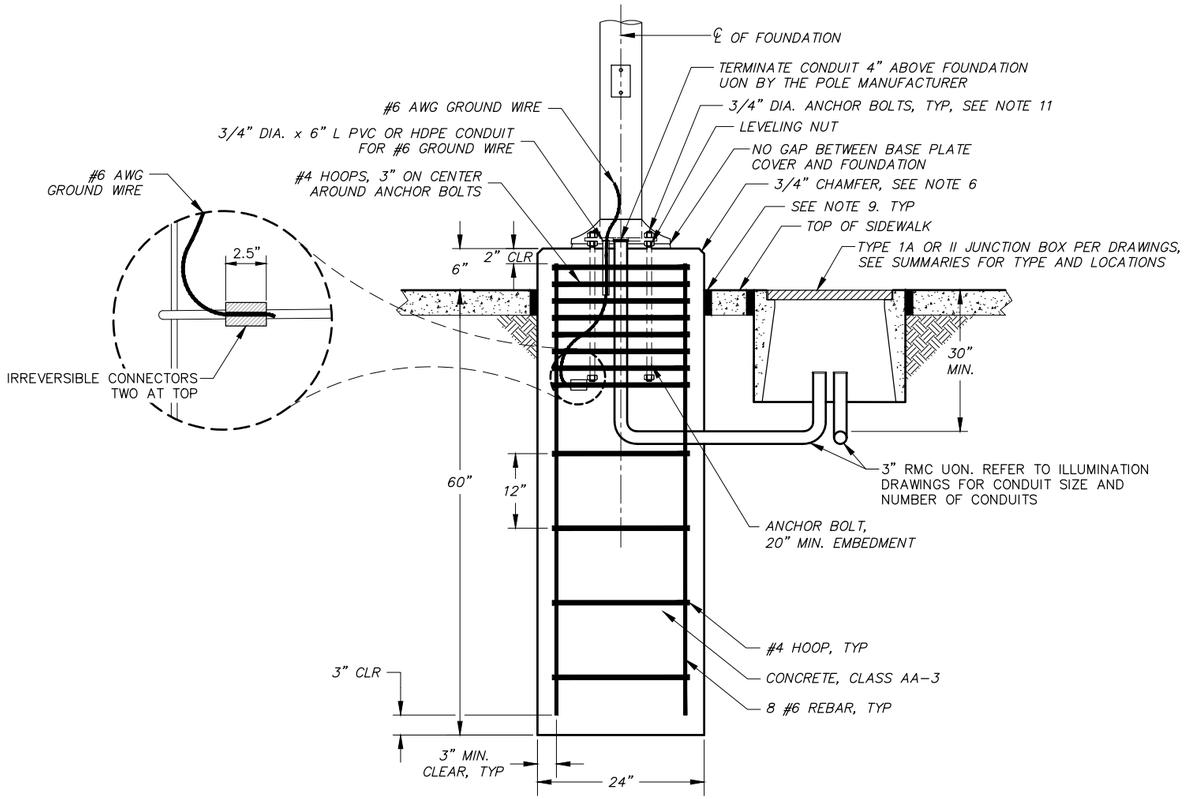
PEDESTRIAN ELECTROLIER DETAILS

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 117 of 120

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_I17-I18_PED ILLUM DETAILS.dwg, 1:2, 5/17/24 at 15:06 by BRIAN.LEWIS



2 / 118 **PEDESTRIAN FOUNDATION**
SCALE: NTS — PLAN VIEW



1 / 118 **PEDESTRIAN LUMINAIRE POLE FOUNDATION DETAIL**
SCALE: NTS — SECTION/ELEVATION VIEW

DESIGN NOTES:

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 1994 EDITION.

CONSTRUCTION: MASS 2024

WIND LOAD: 100 mph w/ 1.3 GUST FACTOR

MATERIAL PROPERTIES		
CONCRETE	CLASS A	F'c=4 Ksi
REINFORCING STEEL	ASTM A615M	Fy=60 Ksi

FOUNDATION NOTES:

1. PEDESTRIAN FOUNDATIONS SHALL BE USED FOR PEDESTRIAN ELECTROLIERS.
2. CAST IN PLACE ALL PORTLAND CEMENT CONCRETE FOUNDATIONS IN VACTOR TRUCK EXCAVATED HOLES AT THE LOCATIONS INDICATED ON THE DRAWINGS.
3. COMPLETE ALL CONCRETE WORK IN CONFORMANCE WITH SECTION 30.00 OF MASS.
4. INSTALL 3/4" GALVANIZED STEEL ANCHOR BOLTS WITH A MINIMUM EMBEDMENT OF 24". ANCHOR BOLTS SHALL BE HOOKED OR HAVE A HEX NUT AND 5" ø X 1/4" WASHER INSTALLED ON THE EMBEDDED END.
5. TOP OF FOUNDATION SHALL BE SLIGHTLY MOUNDED TO DRAIN AWAY FROM CENTER OF FOUNDATION.
6. CHAMFER TOP EDGE OF PEDESTRIAN FOUNDATION 0.75". CHAMFERS SHALL BE FORMED USING PRE-FORMED CHAMFER STRIPS. CHAMFERS CREATED USING HAND OR POWER TOOLS WILL NOT BE ALLOWED.
7. TERMINATE THE LIGHT POLE CONDUIT 1" ABOVE THE TOP OF FOUNDATION.
8. PROVIDE TOP AND SIDES OF EXPOSED CONCRETE FOUNDATION WITH A RUBBED FINISH.
9. F&I EXPANSION JOINT MATERIAL AND SEALANT AROUND JUNCTION BOXES AND POLE FOUNDATIONS WHEN INSTALLED IN CONCRETE SIDEWALK I.A.W. MASS SECTION 30.02.
10. BACKFILL AND COMPACT THE TOP 4' SPACE AROUND FORMS IN 8" LIFTS WITH FLOWABLE FILL. THE ULTIMATE STRENGTH OF THE FLOWABLE FILL BACKFILL MATERIAL SHALL BE LESS THAN 200 PSI AND COMPRESSIVE STRENGTH SHALL BE BETWEEN 50-100 PSI.
11. ANCHOR BOLT THREAD LENGTH ABOVE FOUNDATION WILL BE AS RECOMMENDED BY THE POLE MANUFACTURER AND NOT INTERFERE WITH BASE PLATE COVER INSTALLATION.
12. CONCRETE FINISH: SMOOTH FORMED RUBBED FINISH.

GROUNDING NOTES:

1. USE #6 AWG GROUND CONNECTOR TO #4 HOOP REBAR WITH IRREVERSABLE CONNECTION 12 INCHES BELOW TOP OF FOUNDATION.
2. PROTECT GROUND WIRE WITH 3/4 INCH PVC OR HDPE CONDUIT 3 INCHES BELOW TOP OF FOUNDATION FILLED WITH SILICON SEALANT. TYP. GROUND CONDUCTOR ABOVE TOP OF FOUNDATION TO 2 FEET.

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DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE
PLAN CHECK		

FIELD BOOKS	TBM NO.	LOCATION	ELEV.
CONSTRUCTION RECORD	VERTICAL DATUM		

REV	DATE	DESCRIPTION	BY
REVISIONS			

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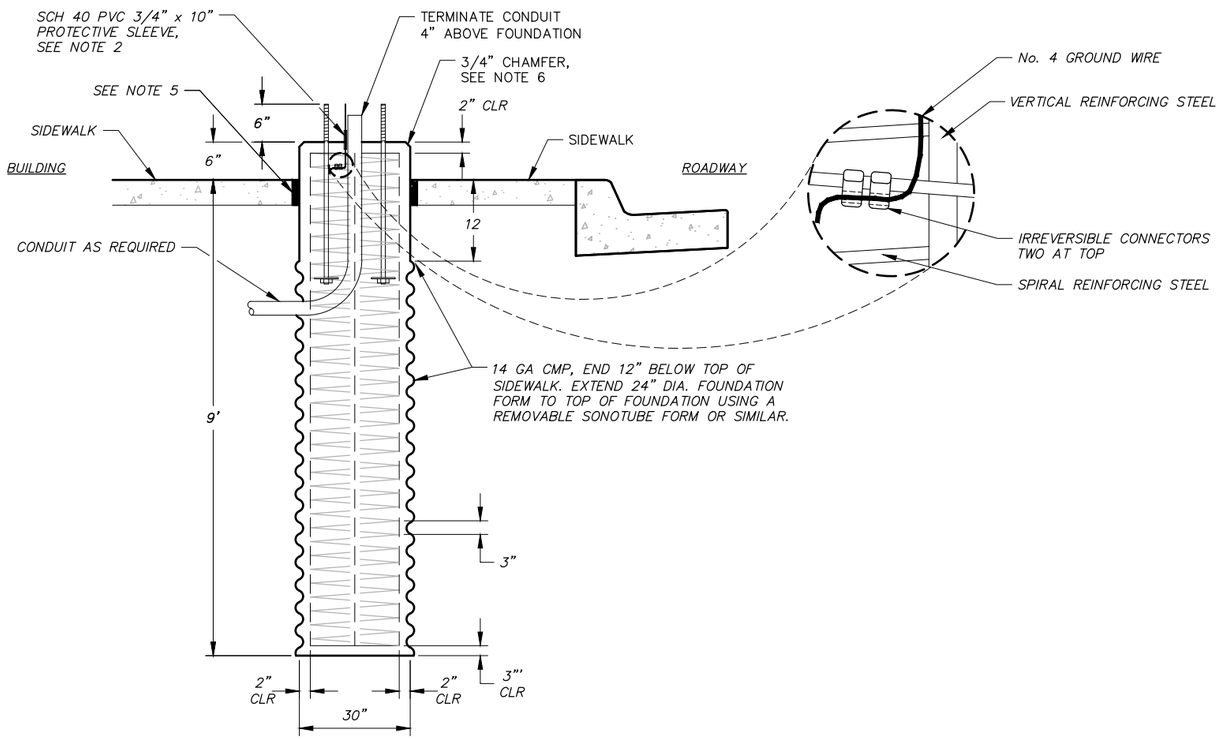
MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

PEDESTRIAN LUMINAIRE POLE FOUNDATION DETAILS

SCALE HOR. 1"=20' | GRID 1230 | DATE JUN 2024 | SHEET 118 of 120
VER. N/A | STATUS: PRELIMINARY



ELEVATION SECTION

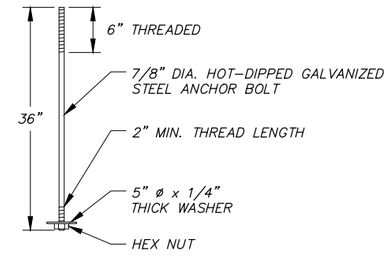
1 / 119 CAST-IN-PLACE ROADWAY LUMINAIRE POLE FOUNDATION DETAIL
SCALE: NTS

FOUNDATION NOTES:

1. THIS DRAWING MODIFIES MASS DETAIL #80.21. DRIVEN STEEL PILE FOUNDATIONS WILL NOT BE ACCEPTED OR USED.
2. CONNECT NO. 4 GROUND WIRE TO ONE OF THE TOP SPIRALS WITH TWO IRREVERSIBLE, HYDRAULICALLY SWAGED CONNECTORS AS SHOWN. GROUND WIRE SHALL BE BARE SOLID, STRANDED, OR BRAIDED COPPER. PROTECT GROUND WIRE WITH CONDUIT AS SHOWN AND FILL CONDUIT WITH SILICON SEALANT. ALLOW 1" OF THE SLEEVE AND 24" OF CONDUCTOR TO PROTRUDE FROM THE FOUNDATIONS.
3. THIS FOUNDATION IS APPROVED FOR APPLICATIONS IN COHESIONLESS SOILS WITH AN N1-60 VALUE OF 10 OR GREATER PER AASHTO T-206, "STANDARD PENETRATION TEST" (SPT). THIS FOUNDATION SHALL NOT BE USED IF ANY OF THE FOLLOWING ARE ENCOUNTERED; WATER TABLE ABOVE THE BOTTOM OF FOUNDATION, VERY LOOSE SOILS, ORGANIC SOILS OR, COHESIVE SOILS (CLAY), OR SOILS SUSCEPTIBLE TO FROST JACKING. IF ANY OF THESE CONDITIONS ARE ENCOUNTERED, STOP FOUNDATION WORK AND CONTACT THE ENGINEER.
4. CONTRACTOR SHALL EXCAVATE HOLE FOR FOUNDATION USING A VACTOR TRUCK.
5. F&I EXPANSION JOINT MATERIAL AND SEALANT AROUND JUNCTION BOXES AND POLE FOUNDATIONS WHEN INSTALLED IN CONCRETE SIDEWALK I.A.W. MASS SECTION 30.02.
6. CHAMFER TOP EDGE OF ROADWAY LUMINAIRE POLE FOUNDATION 0.75" CHAMFERS SHALL BE FORMED USING PRE-FORMED CHAMFER STRIPS. CHAMFERS CREATED USING HAND OR POWER TOOLS WILL NOT BE ALLOWED.
7. CONCRETE FINISH: SMOOTH FORMED RUBBED FINISH.

ROADWAY LUMINAIRE POLE NOTES:

1. F&I HEAVY DUTY CORROSION RESISTANT METAL BASE PLATE COVER FOR EACH ROADWAY LUMINAIRE POLE. PROVIDED COVER SHALL MATCH POLE FINISH, HIDE THE ANCHOR BOLTS, AND SEATS FLUSH ON TOP OF CONCRETE FOUNDATION. F&I WITH CORROSION RESISTANT STEEL FASTENERS.
2. F&I FESTOON OUTLET FOR EACH ROADWAY LUMINAIRE POLE. SEE SHEET I17 FOR DETAIL AND MOUNTING HEIGHT.
3. F&I 30" LONG BANNER ARMS. SEE MASS SECTION 80.05 OF THE PROJECT SPECIFICATIONS FOR REQUIREMENTS. MATCH BANNER ARM HEIGHT AS THOSE MOUNTED ON PEDESTRIAN LUMINAIRE POLES.



2 / 119 STEEL PLATE ANCHOR BOLT DETAIL
SCALE: NTS

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

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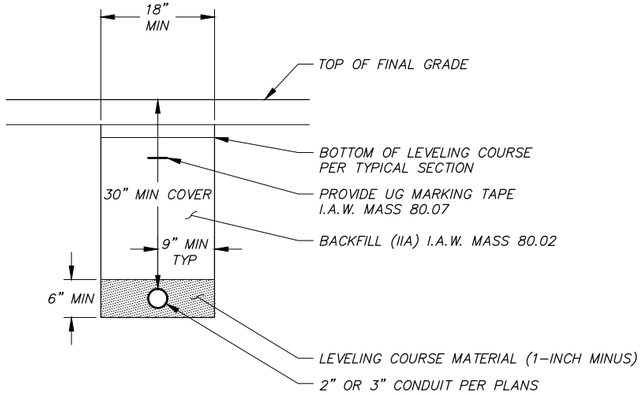
UPGRADE - G STREET TO E STREET

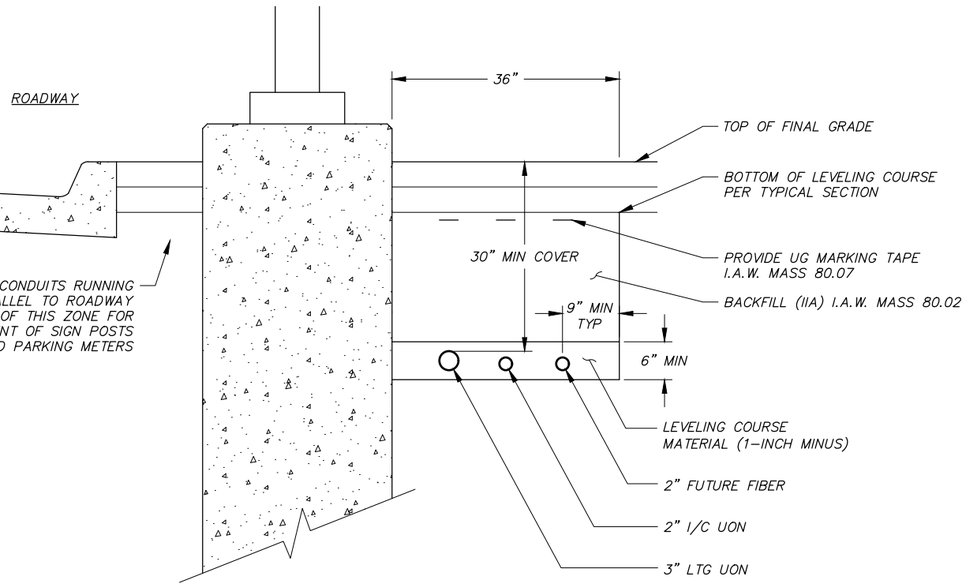
ROADWAY LUMINAIRE POLE FOUNDATION DETAIL

SCALE HOR. 1"=20' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET 119 of 120



1 120 MINIMUM CONDUIT TRENCH

SCALE: NTS

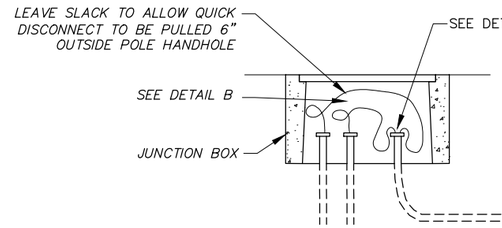


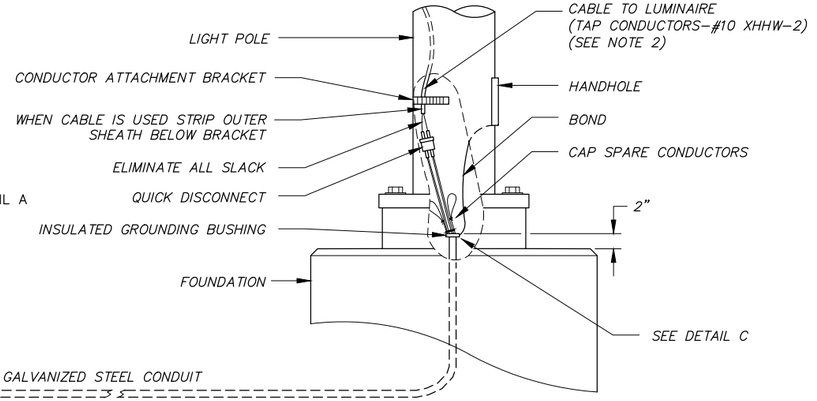
NOTE:

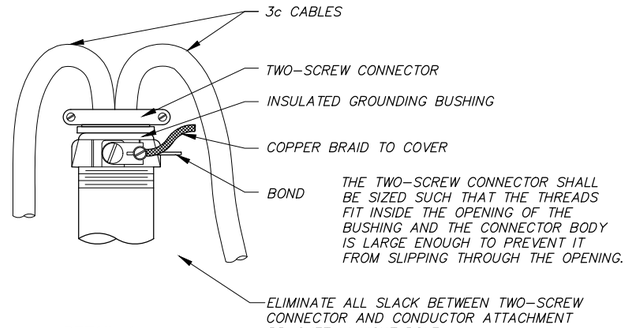
REFER TO ILLUMINATION, INTERCONNECT AND SIGNAL DRAWINGS FOR SIZE AND NUMBER OF CONDUIT.

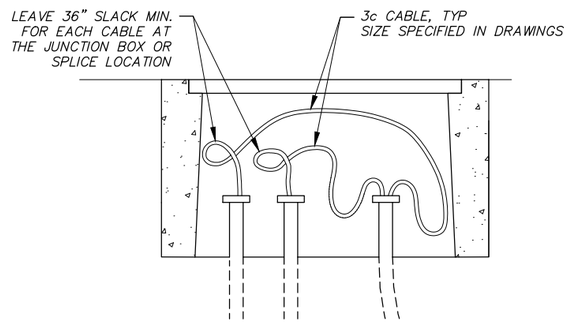
2 120 CONDUIT TRENCH ADJACENT TO LIGHT POLE FOUNDATION

SCALE: NTS



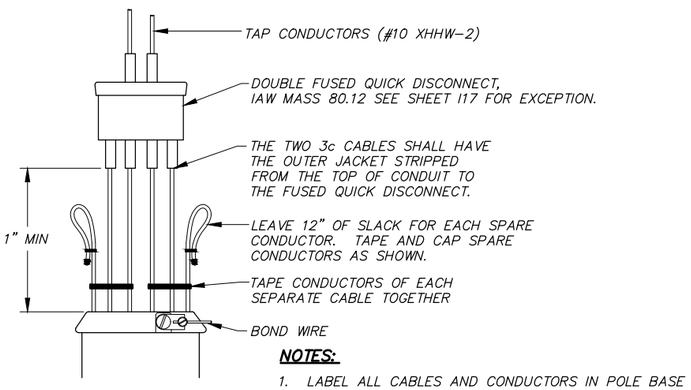






DETAIL B

DETAIL A



NOTES:

1. LABEL ALL CABLES AND CONDUCTORS IN POLE BASE AND J-BOX.
2. LEAVE ENOUGH SLACK ABOVE THE CONDUCTOR ATTACHMENT BRACKET TO ALLOW THE QUICK DISCONNECT TO BE PULLED OUTSIDE OF HANDHOLE.
3. NOT ALL GROUNDING CONDUCTORS, AS REQUIRED BY MASS SECTION 80.13 BORING AND GROUNDING 80.13, AND DRAWINGS ARE SHOWN IN THIS DETAILS.
4. SEE MASS 80-31, 80-32, 80-33.

DETAIL C

3 120 LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS

SCALE: NTS

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

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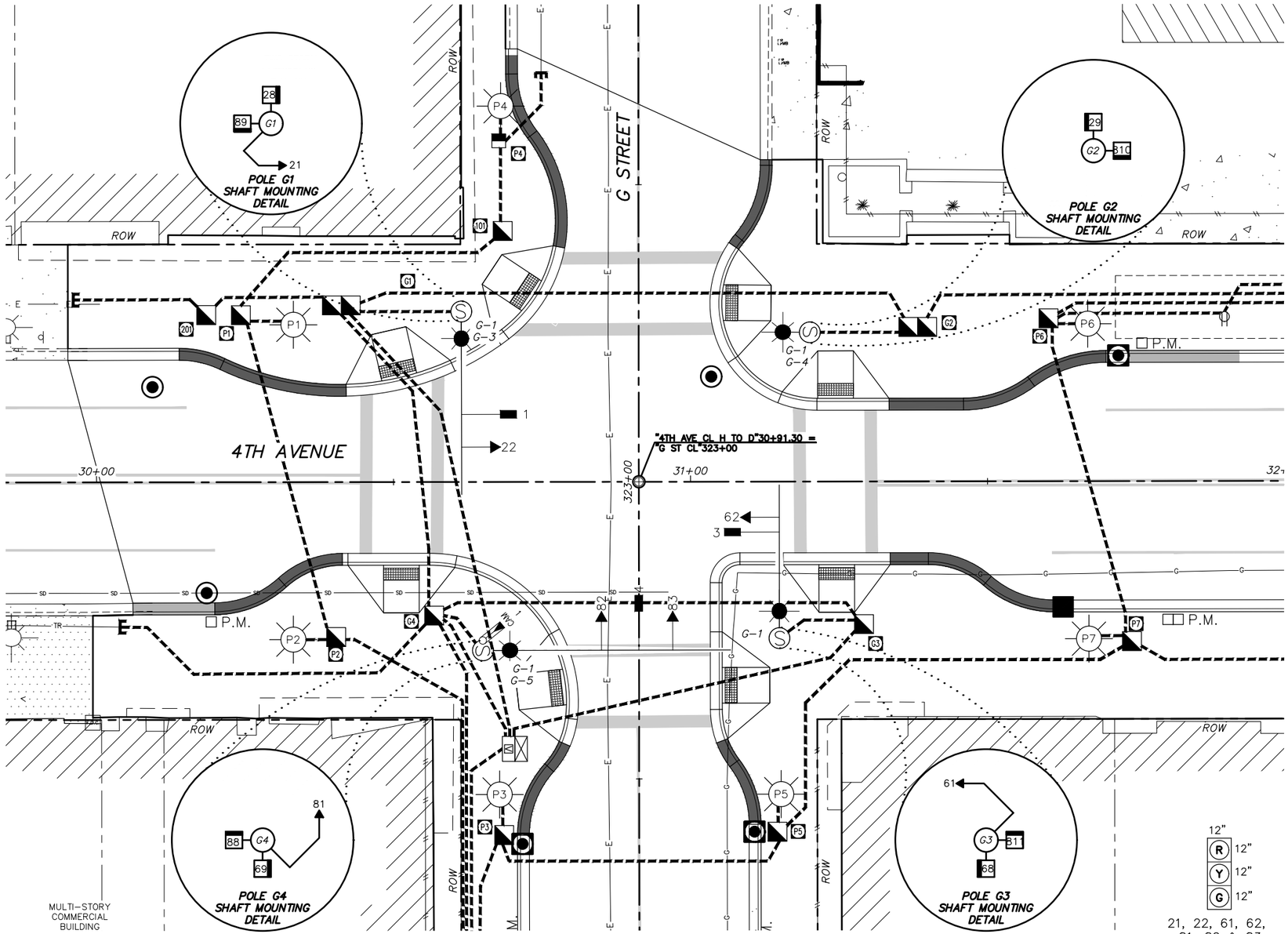
PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

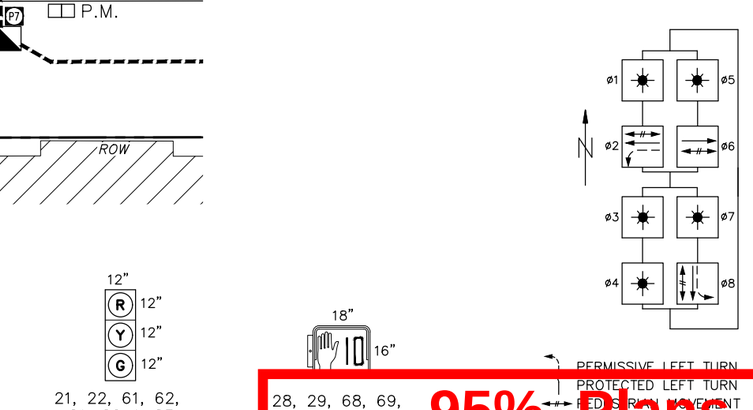
CONDUIT TRENCH AND LIGHTING WIRING DETAILS

SCALE HOR. 1"=20' | GRID 1230 | DATE JUN 2024 | SHEET 120 of 120
VER. N/A | STATUS: PRELIMINARY

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_07_120_TRENCH DETAILS.dwg, 1:2, 5/17/24 at 15:07 by BRIAN.LEWIS



1 J1 *SIGNALIZATION PLAN*
SCALE: NTS 4TH AVENUE / G STREET



2 J1 *NEW SIGNAL FACES*
SCALE: NTS 4TH AVENUE / G STREET

3 J1 *PHASE DIAGRAM*
SCALE: NTS 4TH AVENUE / G STREET

SIGNAL NOTES:

1. *ALL WORK SHALL CONFORM TO THE NATION AL ELECTRIC CODE (NEC) 2017 EDITION, INCLUDING LOCAL AMENDMENTS, THE 2024 MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) DIVISION 80, AND THE PROJECT SPECIAL PROVISIONS.*
2. *SUMMARY OF SIGNAL WORK INCLUDES INSTALLING NEW FOUNDATIONS, POLES, MAST ARMS, TRAFFIC HEADS, AND ASSOCIATED EQUIPMENT & HARDWARE. INSTALLING NEW TRAFFIC SIGNAL CONTROLLER AND CABLE TO ALL DEVICES AND PREEMPTION DETECTORS; AND NEW INTERCONNECT CABLE BETWEEN 4TH AVE / I ST TO 4TH AVE / E ST.*
3. *LOCATE AND REMOVE EXISTING TRAFFIC SIGNAL JUNCTION BOXES, TRAFFIC SIGNAL CONTROLLER CABINET AND FOUNDATION, POLES, WIRING AND SIGNAL HEADS, AND DEMOLISH POLE BASES. REMOVE EXPOSED CONDUIT TO BE ABANDONED.*
4. *COORDINATE WITH MOA TRAFFIC SIGNAL MAINTENANCE PRIOR TO COMMENCING WORK.*
5. *F&I NEW "STRETCH" M CONTROLLER CABINET ASSEMBLY AND FOUNDATION. ORIENT CABINET FRONT TO FACE WEST.*
6. *F&I NEW SIGNALIZATION EQUIPMENT INCLUDING SIGNAL POLES, MAST ARMS, SIGNAL FACES, BACKPLATES, FOUNDATIONS, WIRING, CONDUITS, AND J-BOXES PER DRAWINGS, SPECIAL PROVISIONS AND M.A.S.S. ALL IMPROVEMENTS SHALL BE LOCATED WITHIN THE ROW.*
7. *CONDUIT ROUTING IS APPROXIMATE. ALL CONDUIT MUST BE ROUTED IN THE ROW, AND UNDER SIDEWALK WHERE POSSIBLE.*
8. *HAND HOLES ON THE POLES SHALL BE PLACED ON THE DOWNSTREAM SIDE OF APPROACHING VEHICLE TRAFFIC. G STREET IS A ONE-WAY SOUTHBOUND ROADWAY.*
9. *REFER TO M.A.S.S. DETAILS: 80-6, 80-7, 80-8, 80-10, 80-11, 80-24, 80-25, 80-26A, 80-26D, 80-26E, 80-27, 80-28B, 80-29A, 80-29D, 80-29E, 80-30, 80-32, 80-33, 80-55A, 80-56, 80-61*
10. *EMBOSS ALL JUNCTION BOXES WITH SIGNAL AND INTERCONNECT CONDUIT RUNNING TO OR FROM IT WITH "TRAFFIC". ALL OTHER JUNCTION BOXES SHALL BE EMBOSSED WITH "LIGHTING".*
11. *SEE SHEET J7 FOR DETAILS THAT AUGMENT M.A.S.S. DETAILS 80-6, 80-7, AND 80-10.*
12. *ALL SIGNAL POLES ARE FIXED BASE.*
13. *APPROXIMATE LOCATION AND ORIENTAION OF PTZ CAMERAS AND PEDESTRAIN SIGNAL HEADS SHOWN. VERIFY LOCATION AND ORENTATION OF PTZ CAMERA AND PEDESTRAIN SIGNAL HEADS WITH TRAFFIC SIGNAL MAINTINANCE PRIOR TO DRILLING HOLES INTO THE SIGNAL POLES AND INSTALLING.*

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PLAN CHECK

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

30 15 0 15 30

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

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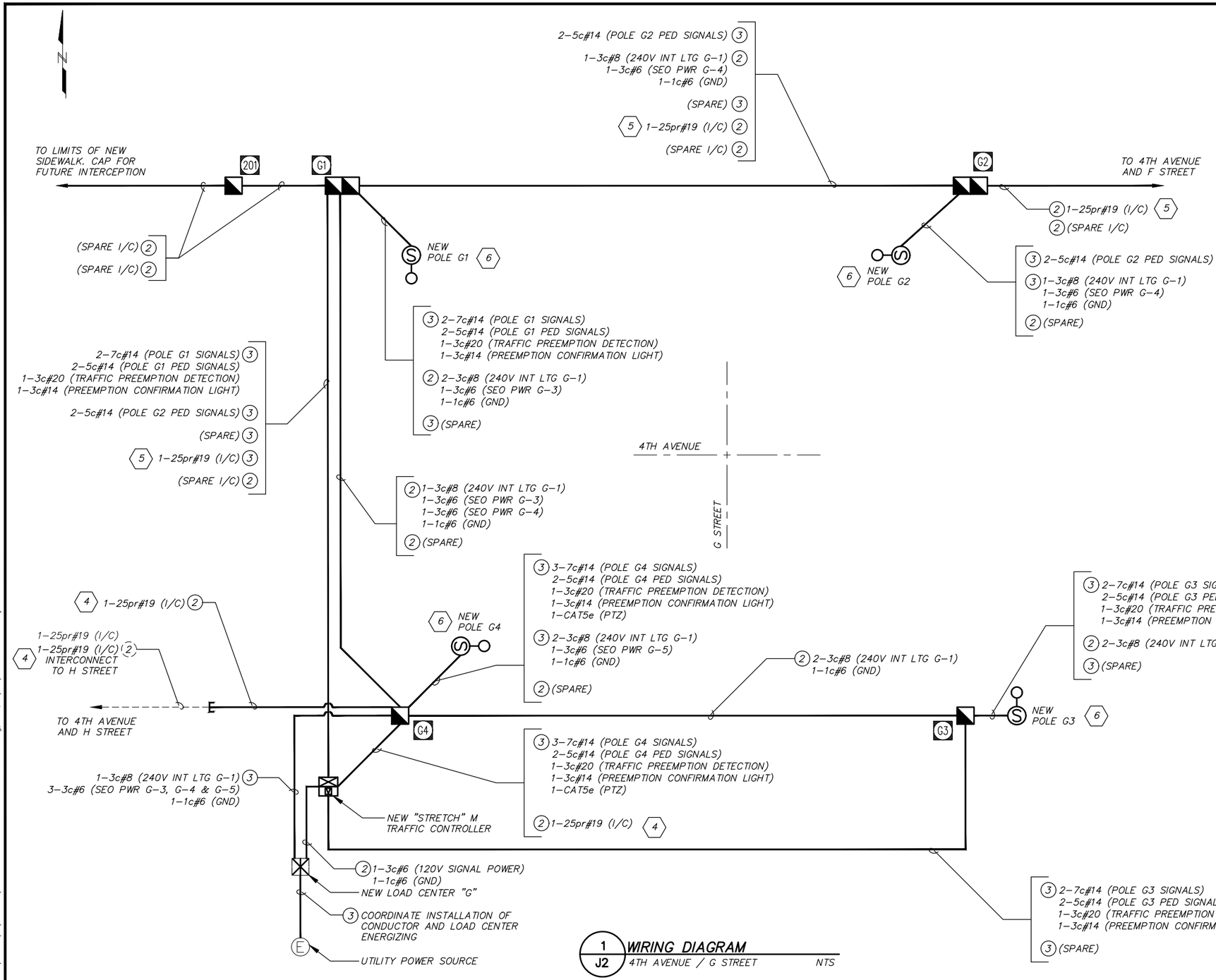
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE B
4TH AVENUE SIGNALS AND LIGHTING UPGRADE - G STREET TO E STREET

4TH AVE AND G STREET SIGNALIZATION PLAN

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET J1 of J7



1 / J2 **WIRING DIAGRAM**
4TH AVENUE / G STREET NTS

SUPPLEMENTAL LEGEND

- EXISTING CONDUIT RUN
- NEW GALVANIZED RIGID METAL CONDUIT RUN
- CONNECTION BETWEEN EXISTING AND NEW CONDUIT

EXISTING (2) PROPOSED (3) EXTEND EXISTING (3) SIZE OF CONDUIT IN INCHES

CABLE LABELS:

1–3c#8(------)
- NUMBER OF CABLES REQUIRED
- NUMBER OF CONDUCTORS(c) OR PAIRS(pr), IF OTHER THAN SINGLE CONDUCTOR
- CONDUCTOR SIZE IN AWG
- CIRCUIT TYPE OR LOOP NUMBER

PED = PEDESTRIAN
PPB = PEDESTRIAN PUSH BUTTON
I/C = INTERCONNECT
TC PWR = TRAFFIC CONTROLLER POWER
GND = BARE COPPER GROUND WIRE
INT = INTERSECTION
LTG = LIGHTING
ST = STREET

CABLE FONT KEY:
BOLD = NEW CABLE
ITALIC = EXISTING CABLE
(PRESERVE)
SMALL = REMOVE CABLE

WIRING DIAGRAM NOTES:

1. REMOVE ALL ABANDONED CONDUITS FROM EXISTING JUNCTION BOXES TO REMAIN.
2. CONTRACTOR SHALL VERIFY EXISTING INTERCONNECT ROUTING PRIOR TO REMOVAL.
3. UNLESS OTHERWISE NOTED, F&I 1 BARE #8 GROUND CONDUCTOR IN ALL CONDUITS.
4. F&I ONE CONTINUOUS UNSPLICED INTERCONNECT CABLE BETWEEN 4TH AVE & G ST. CONTROLLER CABINET AND THE 4TH AVE. & H ST. CONTROLLER CABINET.
5. F&I ONE CONTINUOUS UNSPLICED INTERCONNECT CABLE BETWEEN 4TH AVE & G ST. CONTROLLER CABINET AND THE 4TH AVE. & F ST. CONTROLLER CABINET.
6. F&I SPECIAL EVENT OUTLET (SEO) PER DETAIL ON SHEET I13.

95% Plans
Not for Construction

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_08_J2_G ST WIRE DIAGRAM.dwg, 1:2, 5/17/24 at 14:47 by BRIAN.LEWIS

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BY: _____

PLAN CHECK

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TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

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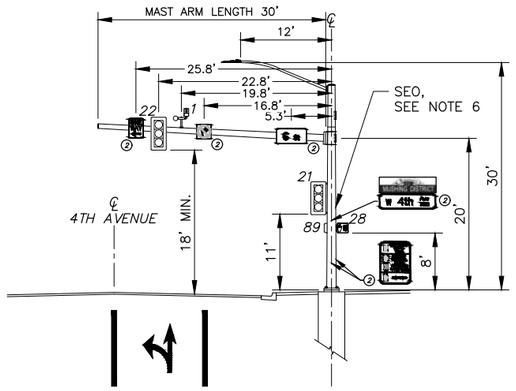
PROJECT NO. 21-22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

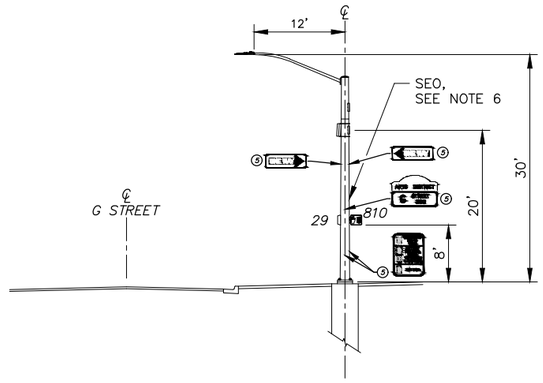
G STREET WIRING DIAGRAM

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET J2 of J7



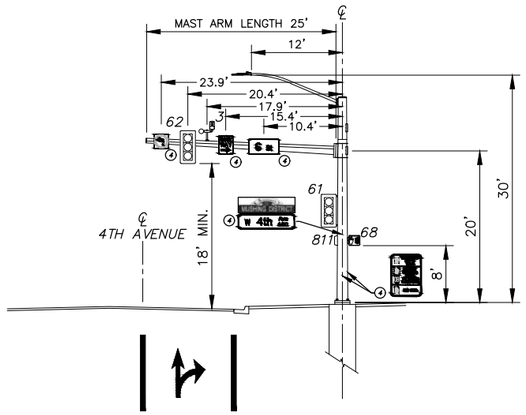
1 J3 **SIGNAL POLE G1**

LOOKING WEST
PROPOSED POLE



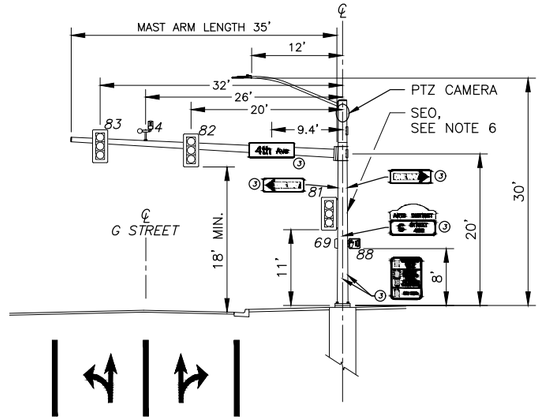
2 J3 **SIGNAL POLE G2**

LOOKING NORTH
PROPOSED POLE



3 J3 **SIGNAL POLE G3**

LOOKING EAST
PROPOSED POLE



4 J3 **SIGNAL POLE G4**

LOOKING SOUTH
PROPOSED POLE

NOTES:

1. *FOR LUMINAIRE AND LAMP SCHEDULES SEE ILLUMINATION SHEETS.*
2. *SIGNAL POLES SHALL BE FABRICATED IN ACCORDANCE WITH M.A.S.S. STANDARD DETAILS. SEE SHEET J7 FOR SIGNAL POLE FOUNDATION DETAIL THAT AUGMENTS M.A.S.S. DETAIL 80–10.*
3. *(XX) = SIGN POST NUMBER, REFER TO SIGN SUMMARY SHEETS FOR MORE INFORMATION.*
4. *ALIGN LUMINAIRE MAST ARMS WITH SIGNAL MAST ARMS.*
5. *POLE G2 IS A TRAFFIC SIGNAL POLE WITH 35' MAST ARM POLE DESIGN FROM M.A.S.S. DETAIL 80–26A. F&I A COVER PLATE AND BOLTS TO COVER THE EXPOSED MAST ARM MOUNTING PLATE AND WIRE WAY.*
6. *F&I SPECIAL EVENT OUTLET (SEO) PER DETAIL ON SHEET I13. SEE SHEET J2 FOR CIRCUIT INFORMATION.*
7. *APPROXIMATE LOCATION AND ORIENTAION OF PTZ CAMERAS AND PEDESTRAIN SIGNAL HEADS SHOWN. VERIFY LOCATION AND ORENTATION OF PTZ CAMERA AND PEDESTRAIN SIGNAL HEADS WITH TRAFFIC SIGNAL MAINTINANCE PRIOR TO DRILLING HOLES INTO THE SIGNAL POLES AND INSTALLING.*

4TH AVE AND G ST TRAFFIC SIGNAL FOUNDATION AND JUNCTION BOX SCHEDULE

NUMBER				LOCATION		TOP OF FOUNDATION ELEVATION	REMARKS
POLE	J.B.	L.C.	CONT	STATION	OFFSET		
G1				30+61.4	28.7' LT	100.2'	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
G2				31+20.1	25.1' LT	100.4'	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
G3				31+14.9	26.3' RT	100.2'	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
G4				30+65.0	28.4' RT	100.2'	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
	G1			30+41.3	29.7' LT	N/A	NEW TYPE 3 J–BOX
	G2			31+38.3	26.09' LT	N/A	NEW TYPE 3 J–BOX
	G3			31+26.7	24.0' RT	N/A	NEW TYPE 2 J–BOX
	G4			30+57.0	22.5' RT	N/A	NEW TYPE 2 J–BOX
		X		SEE SHEET I8 FOR LOAD CENTER SUMMARY			
			X	30+70.4	45.0' RT	100.1'	SEE NOTE 1 BELOW

FOUNDATION NOTES:

1. *F&I NEW "STRETCH" M CONTROLLER FOUNDATION. ELEVATION IS TO TOP OF VAULT, INSTALL ADJACENT SIDEWALK FLUSH WITH VAULT.*
2. *SEE SHEET J7 FOR SIGNAL POLE FOUNDATION DETAIL THAT AUGMENTS M.A.S.S. DETAIL 80–10. TOP OF SIGNAL FOUNDATION SHALL BE FLUSH WITH SURROUNDING SIDEWALK.*

TRAFFIC PREEMPTION SCHEDULE

LOCATION	DETECTOR NO.	PHASE CALL	FACING DIRECTION	PREEMPTION PRIORITY (2)	MODEL NO.
POLE G1	1	2	E	A	721
POLE G3	3	6	W	B	721
POLE G4	4	8	N	C	721

95% Plans
Not for Construction

RECORD DRAWING

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   CONTRACTOR: _____
   BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
   COMPANY: _____ DATE: _____
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   DATA TRANSFER CHECKED BY: _____ TITLE: _____
   COMPANY: _____ DATE: _____
   BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346–2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

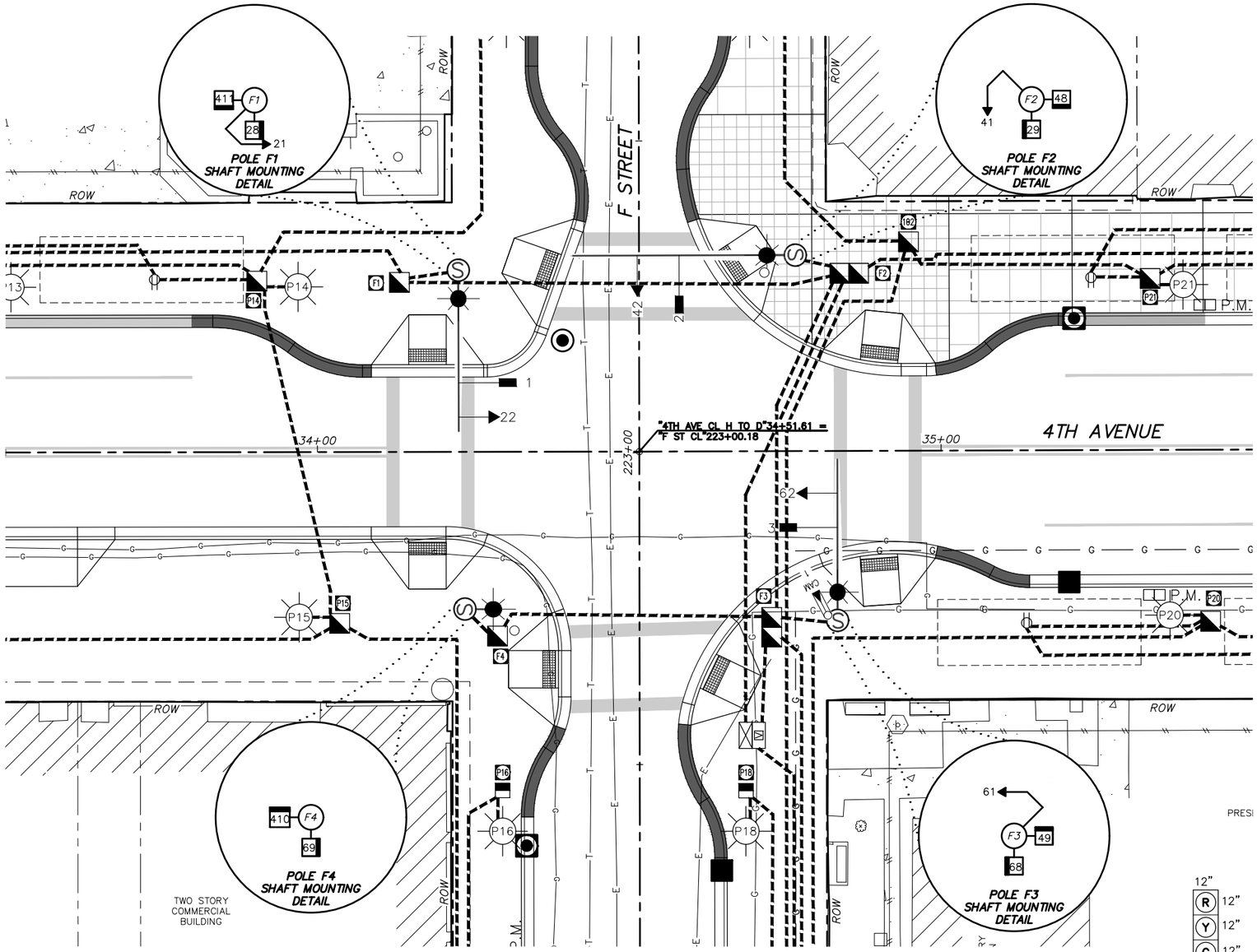
SEAL

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

G STREET SIGNAL STRUCTURE PROFILES AND SCHEDULES

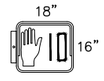
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET J3 of G9



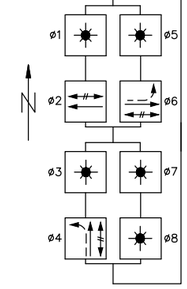
1 J4 *SIGNALIZATION PLAN*
SCALE: NTS 4TH AVENUE / F STREET

21, 22, 41, 42, 61 & 62
NEW 3-LENS HEADS

2 J4 *NEW SIGNAL FACES*
SCALE: NTS 4TH AVENUE / F STREET



28, 29, 48, 49, 68, 69, 410 & 411
NEW PEDESTRIAN HEAD



3 J4 *PHASE DIAGRAM*
SCALE: NTS 4TH AVENUE / F STREET

SIGNAL NOTES:

1. *SUMMARY OF SIGNAL WORK INCLUDES INSTALLING NEW FOUNDATIONS, POLES, MAST ARMS, TRAFFIC HEADS, AND ASSOCIATED EQUIPMENT & HARDWARE. INSTALLING NEW TRAFFIC SIGNAL CONTROLLER AND CABLE TO ALL DEVICES AND PREEMPTION DETECTORS; AND NEW INTERCONNECT CABLE BETWEEN 4TH AVE / I ST TO 4TH AVE / E ST.*
2. *ALL WORK SHALL CONFORM TO THE NATION AL ELECTRIC CODE (NEC) 2017 EDITION, INCLUDING LOCAL AMENDMENTS, THE 2024 MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) DIVISION 80, AND THE PROJECT SPECIAL PROVISIONS*
3. *LOCATE AND REMOVE EXISTING TRAFFIC SIGNAL JUNCTION BOXES, TRAFFIC SIGNAL CONTROLLER CABINET AND FOUNDATION, POLES, WIRING AND SIGNAL HEADS, AND DEMOLISH POLE BASES. REMOVE EXPOSED CONDUIT TO BE ABANDONED.*
4. *COORDINATE WITH MOA TRAFFIC SIGNAL MAINTENANCE PRIOR TO COMMENCING WORK.*
5. *F&I NEW "STRETCH" M CONTROLLER CABINET ASSEMBLY AND FOUNDATION. ORIENT CABINET FRONT TO FACE SOUTH.*
6. *F&I NEW SIGNALIZATION EQUIPMENT INCLUDING SIGNAL POLES, MAST ARMS, SIGNAL FACES, BACKPLATES, FOUNDATIONS, WIRING, CONDUITS, AND J-BOXES PER DRAWINGS, SPECIAL PROVISIONS AND M.A.S.S. ALL IMPROVEMENTS SHALL BE LOCATED WITHIN THE ROW.*
7. *CONDUIT ROUTING IS APPROXIMATE. ALL CONDUIT MUST BE ROUTED IN THE ROW, AND UNDER SIDEWALK WHERE POSSIBLE.*
8. *HAND HOLES ON THE POLES SHALL BE PLACED ON THE DOWNSTREAM SIDE OF APPROACHING VEHICLE TRAFFIC. F STREET IS A ONEWAY NORTHBOUND ROADWAY*
9. *EMBOSS ALL JUNCTION BOXES WITH SIGNAL AND INTERCONNECT CONDUIT RUNNING TO OR FROM IT WITH "TRAFFIC". ALL OTHER JUNCTION BOXES SHALL BE EMBOSSED WITH "LIGHTING".*
10. *REFER TO M.A.S.S. DETAILS:*
    80-6, 80-7, 80-8, 80-10, 80-11, 80-24, 80-25, 80-26A, 80-26D, 80-26E, 80-27, 80-28B, 80-29A, 80-29D, 80-29E, 80-30, 80-32, 80-33, 80-55A, 80-56, 80-61.
11. *SEE SHEET J7 FOR DETAILS THAT AUGMENT M.A.S.S. DETAILS 80-6, 80-7, AND 80-10.*
12. *ALL SIGNAL POLES ARE FIXED BASE.*
13. *APPROXIMATE LOCATION AND ORIENTATION OF PTZ CAMERAS AND PEDESTRIAN SIGNAL HEADS SHOWN. VERIFY LOCATION AND ORIENTATION OF PTZ CAMERA AND PEDESTRIAN SIGNAL HEADS WITH TRAFFIC SIGNAL MAINTENANCE PRIOR TO DRILLING HOLES INTO THE SIGNAL POLES AND INSTALLING.*

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COMPANY: _____ DATE: _____
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PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

30 15 0 15 30

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
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(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102
CONSULTANT

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MUNICIPALITY OF ANCHORAGE

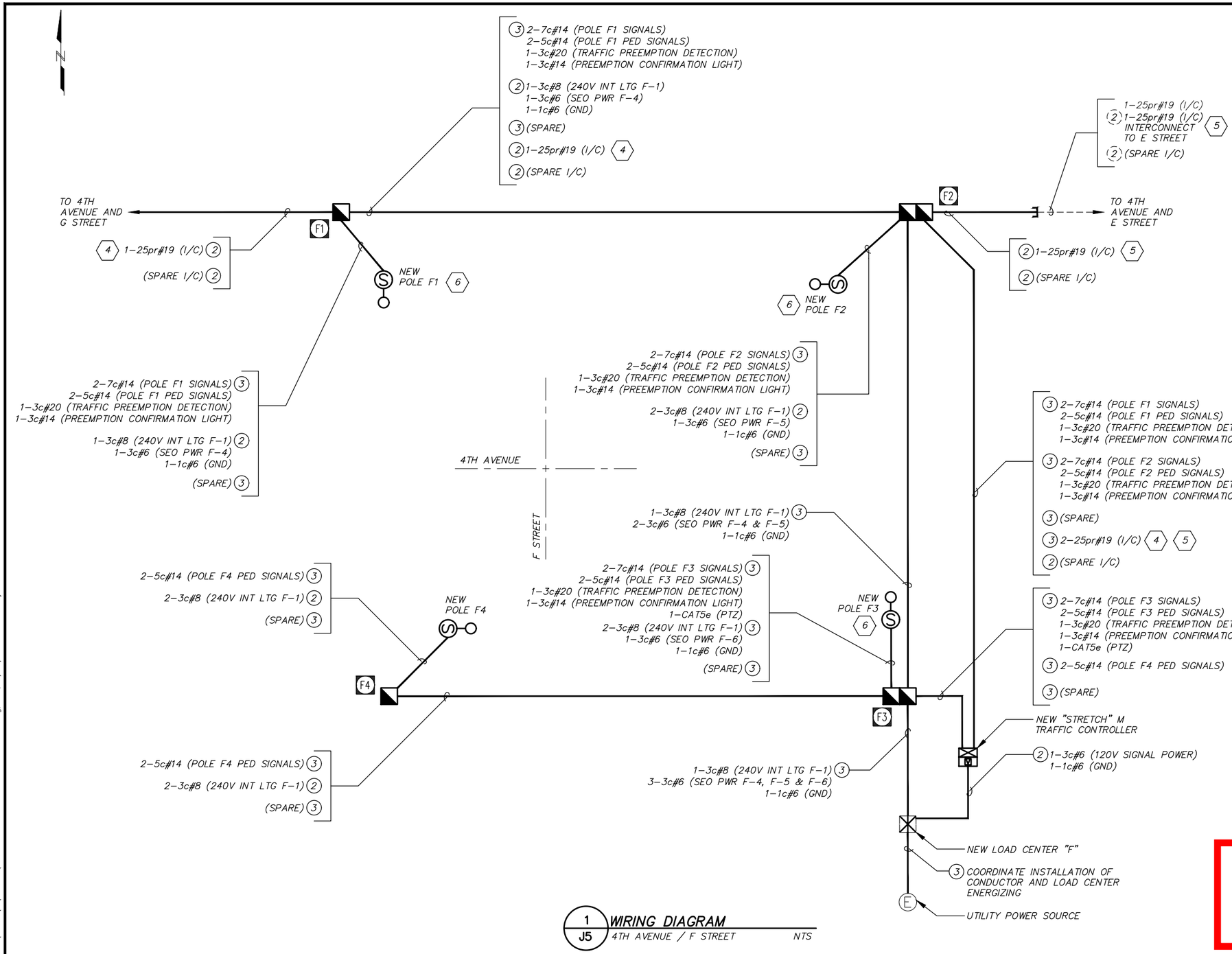
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22 SCHEDULE B
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

4TH AVE AND F STREET SIGNALIZATION PLAN

SCALE HOR. 1"=10' VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET J4 of J7

Z:\PROJECTS\00704_4th Ave G to E\DWGS\C\Sheets\00704_08_J4_F ST SIGNAL PLAN.dwg, 1:2, 6/4/24 at 14:31 by BRIAN.LEWS



1 / J5 **WIRING DIAGRAM**
4TH AVENUE / F STREET NTS

SUPPLEMENTAL LEGEND

- EXISTING CONDUIT RUN
- NEW GALVANIZED RIGID METAL CONDUIT RUN
- CONNECTION BETWEEN EXISTING AND NEW CONDUIT

EXISTING (2) PROPOSED (3) EXTEND EXISTING (3) SIZE OF CONDUIT IN INCHES

CABLE LABELS:

1–3c#8(------)
- NUMBER OF CABLES REQUIRED
- NUMBER OF CONDUCTORS(c) OR PAIRS(pr), IF OTHER THAN SINGLE CONDUCTOR
- CONDUCTOR SIZE IN AWG
- CIRCUIT TYPE OR LOOP NUMBER

PED = PEDESTRIAN
PPB = PEDESTRIAN PUSH BUTTON
I/C = INTERCONNECT
TC PWR = TRAFFIC CONTROLLER POWER
GND = BARE COPPER GROUND WIRE
INT = INTERSECTION
LTG = LIGHTING
ST = STREET

CABLE FONT KEY:
BOLD = NEW CABLE
ITALIC = EXISTING CABLE (PRESERVE)
SMALL = REMOVE CABLE

WIRING DIAGRAM NOTES:

1. REMOVE ALL ABANDONED CONDUITS FROM EXISTING JUNCTION BOXES TO REMAIN.
2. CONTRACTOR SHALL VERIFY EXISTING INTERCONNECT ROUTING PRIOR TO REMOVAL.
3. UNLESS OTHERWISE NOTED, F&I 1 BARE #8 GROUND CONDUCTOR IN ALL CONDUITS.
4. F&I ONE CONTINUOUS UNSPLICED INTERCONNECT CABLE BETWEEN 4TH AVE & F ST. CONTROLLER CABINET AND THE 4TH AVE. & G ST. CONTROLLER CABINET.
5. F&I ONE CONTINUOUS UNSPLICED INTERCONNECT CABLE BETWEEN 4TH AVE & F ST. CONTROLLER CABINET AND THE 4TH AVE. & E ST. CONTROLLER CABINET.
6. F&I SPECIAL EVENT OUTLET (SEO) PER DETAIL ON SHEET I13.

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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

PLAN CHECK

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

CONSTRUCTION RECORD

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

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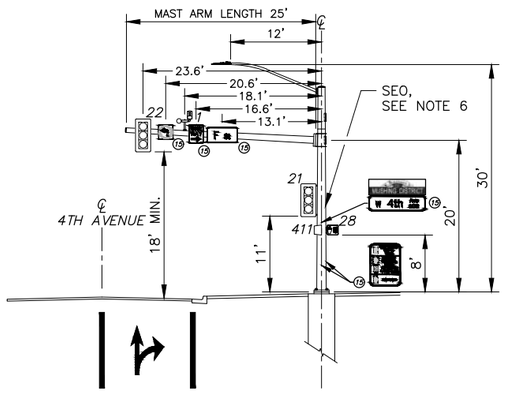
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING UPGRADE – G STREET TO E STREET

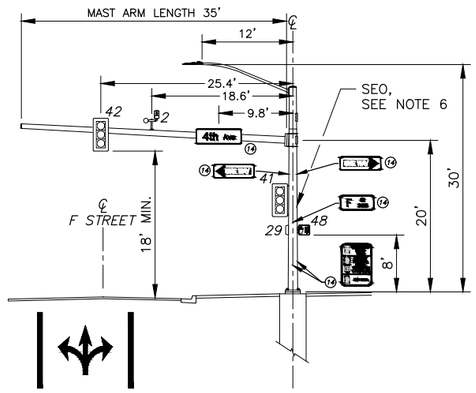
F STREET WIRING DIAGRAM

SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET J5 of J7



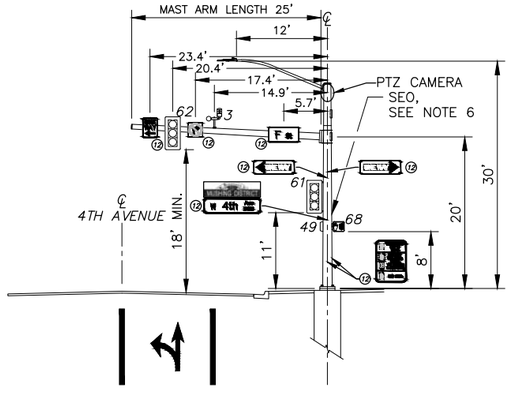
1 J6 **SIGNAL POLE F1**

LOOKING WEST
PROPOSED POLE



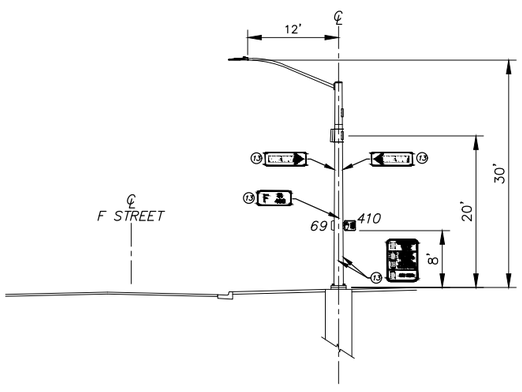
2 J6 **SIGNAL POLE F2**

LOOKING NORTH
PROPOSED POLE



3 J6 **SIGNAL POLE F3**

LOOKING EAST
PROPOSED POLE



4 J6 **SIGNAL POLE F4**

LOOKING SOUTH
PROPOSED POLE

NOTES:

1. *FOR LUMINAIRE AND LAMP SCHEDULES SEE ILLUMINATION SHEETS.*
2. *SIGNAL POLES SHALL BE FABRICATED IN ACCORDANCE WITH M.A.S.S. STANDARD DETAILS. SEE SHEET J7 FOR SIGNAL POLE FOUNDATION DETAIL THAT AUGMENTS M.A.S.S. DETAIL 80–10..*
3. *(XX) = SIGN POST NUMBER, REFER TO SIGN SUMMARY SHEETS FOR MORE INFORMATION.*
4. *ALIGN LUMINAIRE MAST ARMS WITH SIGNAL MAST ARMS.*
5. *POLE F4 IS A TRAFFIC SIGNAL POLE WITH 35' MAST ARM POLE DESIGN FROM MASS DETAIL 80–26A. F&I A COVER PLATE AND BOLTS TO COVER THE EXPOSED MAST ARM MOUNTING PLATE AND WIRE WAY.*
6. *F&I SPECIAL EVENT OUTLET (SEO) PER DETAIL ON SHEET I13. SEE SHEET J5 FOR CIRCUIT INFORMATION.*
7. *APPROXIMATE LOCATION AND ORIENTAION OF PTZ CAMERAS AND PEDESTRAIN SIGNAL HEADS SHOWN. VERIFY LOCATION AND ORENTATION OF PTZ CAMERA AND PEDESTRAIN SIGNAL HEADS WITH TRAFFIC SIGNAL MAINTINANCE PRIOR TO DRILLING HOLES INTO THE SIGNAL POLES AND INSTALLING.*

4TH AVE AND F ST TRAFFIC SIGNAL FOUNDATION AND JUNCTION BOX SCHEDULE

NUMBER				LOCATION		TOP OF FOUNDATION ELEVATION	REMARKS
POLE	J.B.	L.C.	CONT	STATION	OFFSET		
F1				34+22.6	29.1' LT	101.5'	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
F2				34+76.7	31.4' LT	101.7'	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
F3				34+83.3	27.2' RT	101.7'	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
F4				34+23.6	25.2' RT	101.8	NEW POLE AND FOUNDATION. SEE NOTE 2 BELOW
	F1			34+15.0	27.2' LT	N/A	NEW TYPE 2 J–BOX
	F2			34+85.7	28.5' LT	N/A	NEW TYPE 3 J–BOX
	F3			34+72.8	28.3' RT	N/A	NEW TYPE 3 J–BOX
	F4			34+28.8	29.5' RT	N/A	NEW TYPE 2 J–BOX
		X		SEE SHEET I8 FOR LOAD CENTER SUMMARY			
			X	34+69.6	45.6' RT	101.8'	SEE NOTE 1 BELOW

FOUNDATION NOTES:

1. *F&I NEW "STRETCH" M CONTROLLER FOUNDATION. ELEVATION IS TO TOP OF VAULT, INSTALL ADJACENT SIDEWALK FLUSH WITH VAULT.*
2. *SEE SHEET J7 FOR SIGNAL POLE FOUNDATION DETAIL THAT AUGMENTS M.A.S.S. DETAIL 80–10. TOP OF SIGNAL FOUNDATION SHALL BE FLUSH WITH SURROUNDING SIDEWALK.*

TRAFFIC PREEMPTION SCHEDULE

LOCATION	DETECTOR NO.	PHASE CALL	FACING DIRECTION	PREEMPTION PRIORITY (2)	MODEL NO.
POLE F1	1	2	E	A	721
POLE F2	2	4	S	B	721
POLE F3	3	6	W	C	721

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DATA TRANSFER CHECKED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

CONSTRUCTION RECORD

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
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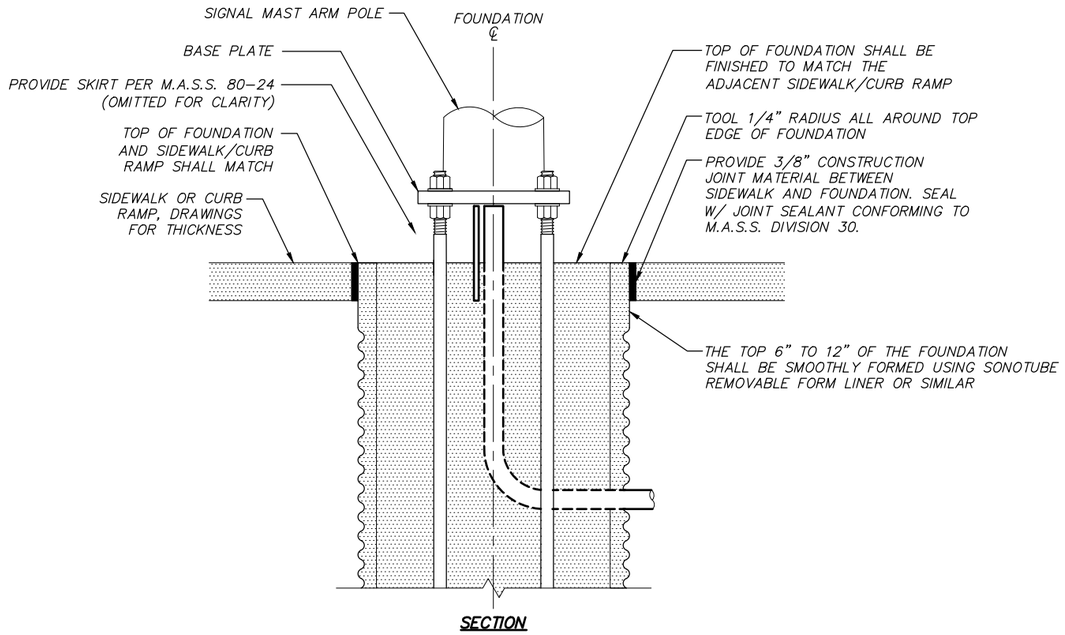
PROJECT NO. 21–22
4TH AVENUE SIGNALS AND LIGHTING
UPGRADE – G STREET TO E STREET

F STREET SIGNAL STRUCTURE PROFILES AND SCHEDULES

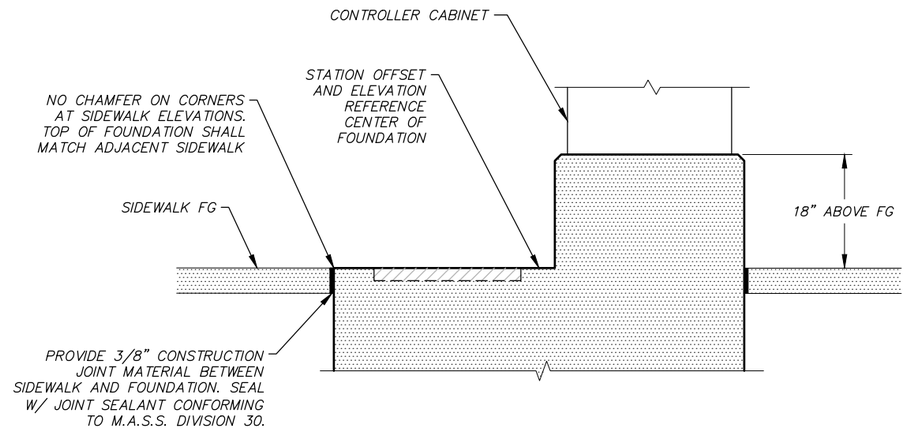
SCALE HOR. N/A VER. N/A | GRID 1230 | DATE JUN 2024 | STATUS: PRELIMINARY | SHEET J6 of J7



1 / J7 *SIGNAL MAST ARM POLE FOUNDATION DETAIL*

SCALE: NTS

THIS DETAIL AUGMENTS M.A.S.S. DETAIL 80-10.



2 / J7 *VAULT "TYPE M" CONTROLLER CABINET FOUNDATION DETAIL*

SCALE: NTS

THIS DETAIL AUGMENTS M.A.S.S. DETAILS 80-06 AND 80-07.

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   THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
   CONTRACTOR: _____
   BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
   COMPANY: _____ DATE: _____
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.
   DATA TRANSFER CHECKED BY: _____ TITLE: _____
   COMPANY: _____ DATE: _____
   BY: _____

CONSTRUCTION RECORD

DATA	DRAWN BY	CHECKED BY
BASE	KE	KE
TOPOGRAPHY	KE	KE
PROFILE	KE	KE
STORM SEWER	KE	KE
WATER/SANITARY SEWER	KE	KE
GAS	KE	KE
TELEPHONE/CABLE TV	KE	KE
ELECTRIC	KE	KE
DESIGN	KE	KE
QUANTITIES	KE	KE
PRELIMINARY/FINAL	KE	KE
MUNI. FINAL CHECK	KE	KE

PLAN CHECK

FIELD BOOKS	TBM NO.	LOCATION	ELEV.

VERTICAL DATUM

REV	DATE	DESCRIPTION	BY

REVISIONS

KINNEY ENGINEERING, LLC
3909 ARCTIC BLVD, SUITE 400
ANCHORAGE, ALASKA 99503
(907) 346-2373
CERT. OF AUTH. NO.
AECL 1102

CONSULTANT

SEAL

MUNICIPALITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

PROJECT NO. 21-22

4TH AVENUE SIGNALS AND LIGHTING
UPGRADE - G STREET TO E STREET

SIGNAL POLE DETAILS

SCALE HOR. 1"=20'
VER. N/A

GRID 1230

DATE JUN 2024

STATUS: PRELIMINARY

SHEET J7 of J7