

**MUNICIPALITY OF ANCHORAGE
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT**

**42ND AVENUE UPGRADE - PHASE 2
PIPER STREET TO FLORINA STREET**

**PROJECT NUMBER: 18-06
AUGUST 2022
65% DESIGN**

**PROJECT AREA
THIS CONTRACT**

VICINITY MAP
ANCHORAGE, ALASKA

PREPARED BY:




APPROVED BY:

KENT KOHLHASE, P.E.
MUNICIPAL ENGINEER

SHEET INDEX		
SHEET NO.	DESCRIPTION	SCHEDULE
GENERAL		
G1	COVER	ALL
G2	SHEET INDEX	ALL
G3	GENERAL NOTES	ALL
G4	LEGEND & ABBREVIATIONS	ALL
G5	KEY MAP	ALL
SURVEY		
V1	SURVEY CONTROL	ALL
V2	SURVEY CONTROL	ALL
DEMOLITION PLAN		
B1	DEMOLITION PLAN	ALL
B2	DEMOLITION PLAN	ALL
B3	DEMOLITION PLAN	ALL
B4	DEMOLITION SUMMARY TABLES	ALL
B5	DEMOLITION SUMMARY TABLES	ALL
B6	DEMOLITION SUMMARY TABLES	ALL
TYPICAL SECTIONS		
C1	TYPICAL SECTIONS	SCHED A
C2	TYPICAL SECTIONS	SCHED A
C3	TYPICAL SECTIONS	SCHED A
C4	TYPICAL SECTIONS	SCHED A
ROADWAY		
R1	ROADWAY PLAN & PROFILE	SCHED A
R2	ROADWAY PLAN & PROFILE	SCHED A
R3	ROADWAY PLAN & PROFILE	SCHED A
R4	ROADWAY PLAN & PROFILE	SCHED A
R5	DRIVEWAY PLAN & PROFILE	SCHED A
R6	INTERSECTION LAYOUT	SCHED A
R7	INTERSECTION LAYOUT	SCHED A
R8	DRIVEWAY LAYOUT	SCHED A
R9	DRIVEWAY LAYOUT	SCHED A
R10	DRIVEWAY LAYOUT	SCHED A
ROADWAY SUMMARY TABLES		
T1	ROADWAY SUMMARY TABLES	SCHED A
T2	ROADWAY SUMMARY TABLES	SCHED A
T3	ROADWAY SUMMARY TABLES	SCHED A
ROADWAY DETAILS		
D1	ROADWAY DETAILS	SCHED A
D2	ROADWAY DETAILS	SCHED A
D3	ROADWAY DETAILS	SCHED A
D4	ROADWAY DETAILS	SCHED A
D5	ROADWAY DETAILS	SCHED A
D6	ROADWAY DETAILS	SCHED A
D7	ROADWAY DETAILS	SCHED A
SIGNING & STRIPING		
S1	SIGNING & STRIPING	SCHED A
S2	SIGNING & STRIPING	SCHED A
S3	SIGN SUMMARY & STRIPING DETAILS	SCHED A
STORM DRAIN		
SD1	STORM DRAIN PLAN & PROFILE	SCHED B
SD2	STORM DRAIN PLAN & PROFILE	SCHED B
SD3	STORM DRAIN PLAN & PROFILE	SCHED B
SD4	STORM DRAIN PLAN & PROFILE	SCHED B
SD5	STORM DRAIN DETAILS	SCHED B
SD6	STORM DRAIN DETAILS	SCHED B
SD7	STORM DRAIN SUMMARY TABLES	SCHED B
ILLUMINATION		
I1	ILLUMINATION PLAN	SCHED C
I2	ILLUMINATION PLAN	SCHED C
I3	ILLUMINATION SCHEDULES AND DETAILS	SCHED C
I4	LC-B PLAN AND SCHEDULES	SCHED C


WORK SCHEDULES	
A	ROADWAY IMPROVEMENTS
B	DRAINAGE IMPROVEMENTS
C	ILLUMINATION IMPROVEMENTS

RECORD DRAWING						PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT													
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: _____ TITLE: _____ DATE: _____ BY: _____						DATA		DRAWN BY:		CHECKED BY:									
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: _____						BASE		TS		AR									
						TOPOGRAPHY		TS		AR									
						PROFILE		RB		EJ									
						STORM SEWER		AA		JH									
						WATER/SANITARY SEWER		AA		JK									
						GAS		TS		AR									
						TELEPHONE		TS		AR									
ELECTRIC		JH		TK															
DESIGN		RB		EJ															
QUANTITIES		RB		JK															
PRELIMINARY/FINAL		RB		JK															
MUNICIPAL/STATE		RB		JK															
PLAN CHECK						CONSTRUCTION RECORD						VERTICAL DATUM							
FIELD BOOKS						BM NO.		LOCATION		ELEV.		REV		DATE		DESCRIPTION		BY	
DESIGN CRW BOOK No. 197, 198 & 201						GAAB 69		See MOA Benchmark Book, Page D--22		162.47									
STAKING						CB 7B		See MOA Benchmark Book, Page D--18		161.20									
ASBUILT						BASIS OF THIS DATUM GAAB 1972 ADJUST													
CONTRACTOR																			
INSPECTOR																			
CONSULTANT						SEAL													




**CRW
ENGINEERING GROUP LLC**

3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECL682-AK



Justin T. Keene
CE-11775
REGISTERED PROFESSIONAL ENGINEER



MUNICIPALITY OF ANCHORAGE

18-06 42ND AVENUE UPGRADE - PHASE 2
PIPER STREET TO FLORINA STREET ALL

SHEET INDEX

SCALE HOR. N/A VER. N/A

GRID SW1735
DATE AUG 2022 STATUS 65%

G2 of G5
SHEET

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE (MOA) STANDARD SPECIFICATIONS, DATED 2015, (HEREINAFTER REFERRED TO AS MASS), THE LATEST EDITION OF THE ANCHORAGE WATER AND WASTEWATER UTILITY (AWWU) DESIGN AND CONSTRUCTION PRACTICES MANUAL (DCPM) AND THE SPECIAL PROVISIONS.
2. THE LOCATION OF THE EXISTING FEATURES AND UTILITIES SHOWN IN THESE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL FEATURES AND UTILITIES ENCOUNTERED AND RECORD THEIR LOCATION ON THE CONTRACT RECORD DRAWINGS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS WHICH ARE NOT SPECIFICALLY INDICATED AS BEING PROVIDED BY THE OWNER IN THE SPECIAL PROVISIONS. CONTRACTOR SHALL ADHERE TO ALL PERMIT REQUIREMENTS. THE PERMITS SHALL BE MAINTAINED ON THE PROJECT SITE. COPIES SHALL BE GIVEN TO THE ENGINEER.
4. ALL WORK IN CLOSE PROXIMITY TO EXISTING OVERHEAD/UNDERGROUND TELEPHONE, CABLE, FIBER OPTIC, GAS, AND ELECTRIC UTILITIES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES AND GUIDELINES AND THE SHORING AND CLEARANCE REQUIREMENTS OF THE SERVING UTILITY.
5. LIMITS OF ROADWAY EXCAVATION SHOWN ON THE DRAWINGS ARE APPROXIMATE. ACTUAL LIMITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION OPERATIONS.
6. GEOTECHNICAL (SOILS) INFORMATION IS INCLUDED IN THE CONTRACT DOCUMENTS.
7. ALL WORK SHALL BE PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, PUBLIC USE EASEMENT, SLOPE EASEMENT, TEMPORARY CONSTRUCTION EASEMENT, DRAINAGE EASEMENT, ELECTRIC EASEMENT, INTRAGOVERNMENTAL USE PERMIT OR, TEMPORARY CONSTRUCTION PERMIT AREAS. THE EASEMENTS AND TEMPORARY CONSTRUCTION PERMITS ACQUIRED FOR THIS PROJECT MAY HAVE RESTRICTIONS. SEE CONTRACT DOCUMENTS FOR RESTRICTIONS.
8. CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRE-CONSTRUCTION CONDITIONS, UNLESS OTHERWISE DIRECTED BY ENGINEER. PAYMENT FOR RESTORING DISTURBED PROPERTY OUTSIDE OF IDENTIFIED CONSTRUCTION LIMITS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE. DISTURBED AREAS NOT BEING PAVED OR FINISHED WITH GRAVEL/CONCRETE SHALL BE TOPSOILED AND SEEDED WITH SCHEDULE A SEEDING MIX UNLESS OTHERWISE NOTED.
9. PROJECT CLEARING AND GRUBBING LIMITS SHALL COINCIDE WITH THE LIMITS OF DISTURBANCE AS SHOWN ON THE DEMOLITION (B) SHEETS. CONTRACTOR SHALL OBTAIN APPROVAL OF THE CLEARING AND GRUBBING LIMITS BY THE ENGINEER PRIOR TO CLEARING AND GRUBBING, SEE SPECIFICATIONS FOR MORE INFORMATION. CONTRACTOR SHALL CLEAR TREE BRANCHES/LIMBS PER TREE CLEARING DETAILS SHOWN ON SHEET **D7**.
10. SLOPE LIMITS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE ACTUAL SLOPE LIMITS BASED ON PRECONSTRUCTION SURVEY DATA.
11. IN PREPARATION FOR AND IMMEDIATELY PRIOR TO PAVING, THE CONTRACTOR SHALL SAW CUT AND REMOVE ADDITIONAL PAVEMENT BEYOND THE INITIAL SAW CUT, A MINIMUM OF 1-FOOT ONTO UNDISTURBED ASPHALT. AT TRANSVERSE JOINTS FINAL SAW CUT LINE SHALL BE SKEWED 15° – 25° PER DETAIL 2, SHEET **D4**. ASPHALT TACK COAT SHALL BE APPLIED BY CONTRACTOR TO THE SAWN FACE OF ASPHALT PRIOR TO BEGINNING PAVING.
12. PAVEMENT CROSS SLOPE ON SIDE STREETS SHALL VARY AT INTERSECTIONS TO PROVIDE POSITIVE DRAINAGE. SEE ROADWAY (R) SHEETS FOR INTERSECTION LAYOUTS.
13. ALL WORK AND MATERIALS REQUIRED FOR REMOVING ANY LITTER OR DEBRIS CREATED BY CONSTRUCTION OPERATIONS WITHIN THE PROJECT LIMITS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE.
14. ALL ORGANIC MATERIAL SHALL BE REMOVED FROM THE SUBGRADE TO A DEPTH TO BE DETERMINED BY THE ENGINEER. NO ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL SHALL BE UTILIZED FOR BACKFILL.
15. THE CONTRACTOR SHALL SUBMIT RECORD SURVEY NOTES WITH THE RECORD DRAWINGS.
16. EXCAVATION SHALL BE MEASURED BY EXCAVATED CROSS-SECTION AND SHALL BE LIMITED TO THE PAY LIMITS IDENTIFIED IN THE TYPICAL CROSS SECTIONS, UNLESS ADDITIONAL EXCAVATION IS DIRECTED BY THE ENGINEER.
17. THE PROJECT CENTERLINE STATIONING IS RIGHT-OF-WAY CENTERLINE PER SURVEY CONTROL DRAWING UNLESS OTHERWISE NOTED. SEE SURVEY CONTROL DRAWING FOR HORIZONTAL AND VERTICAL CONTROL AND LAYOUT OF THE PROJECT CENTERLINE.
18. ALL CURB LOCATIONS, RADIUS MEASUREMENTS AND ELEVATIONS ARE TO THE TOP BACK OF CURB (TBC) UNLESS OTHERWISE NOTED.
19. FURNISH AND INSTALL 4" PIPE INSULATION BOARD (R-20) BETWEEN THE STORM DRAIN IMPROVEMENTS AND THE WATER AND SEWER UTILITIES WHEN THE VERTICAL CLEARANCE IS LESS THAN THREE FEET. IF 18 INCHES OF VERTICAL SEPARATION BETWEEN WATER AND SEWER/STORM DRAINS CANNOT BE MAINTAINED THEN WATER RELOCATION SHALL BE REQUIRED. SEWER/STORM DRAIN PIPE JOINTS SHALL BE PLACED AT LEAST NINE (9) FEET FROM A WATER CROSSING.
20. EXISTING WATER AND SEWER SERVICE LINES ARE NOT SHOWN IN THE PROFILES UNLESS SPECIFICALLY CALLED OUT.
21. ALL CURB AND GUTTER INCLUDING SPILL CURB AND LANDSCAPE CURB SHALL BE PAID AS "P.C.C. CURB AND GUTTER (ALL TYPES)" EXCEPT FOR CURBS WITH STEEL CURB FACING WHICH SHALL BE PAID AS "P.C.C. CURB AND GUTTER (TYPE 1, STEEL CURB FACING)".
22. EXISTING UTILITIES AND PROPOSED UTILITIES ARE NOT SHOWN IN THE TYPICAL CROSS SECTIONS OR PROFILES UNLESS OTHERWISE NOTED.
23. THE MATCH EXISTING ELEVATIONS AS SHOWN IN THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL ADJUST PROPOSED GRADES AS REQUIRED TO MATCH INTO EXISTING ELEVATIONS PER THE DIRECTION OF THE ENGINEER.
24. ALL FILL, USABLE EXCAVATION, AND TRENCH BACKFILL SHALL BE COMPACTED TO NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, PER MASS DIVISION 20 EARTHWORK, BASED ON MODIFIED PROCTOR TEST VALUES. ALL FILLS SHALL BE PLACED IN LIFTS NOT EXCEEDING 12-INCHES.
25. CAUTION!!! THERE ARE EXISTING BUILDING FOUNDATIONS AT UNKNOWN LOCATIONS AND DEPTHS NEAR OR WITHIN THE PROJECT LIMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF EXISTING BUILDING FOUNDATIONS PRIOR TO CONSTRUCTION. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE. CONTRACTOR SHALL REPAIR BUILDING FOUNDATIONS THAT ARE DAMAGED BY CONTRACTOR'S OPERATIONS AT NO COST TO OWNER.
26. FIRE HYDRANTS SHALL BE ADJUSTED TO FINAL GRADE BY AWWU O&M DIVISION ON A REIMBURSABLE BASIS. THE CONTRACTOR IS TO PROVIDE WRITTEN NOTICE TO THE ENGINEER A MINIMUM OF SEVEN (7) DAYS PRIOR TO THE NEED FOR FINAL FIRE HYDRANT ADJUSTMENT. THE WRITTEN NOTICE IS TO CONTAIN, AT A MINIMUM, THE MANUFACTURER AND MODEL NUMBER OF THE HYDRANT AND VERTICAL ADJUSTMENT NEEDED IN SIX (6") INCREMENTS.
27. THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING STORM DRAIN TO BE REPLACED IS IN A DIFFERENT HORIZONTAL AND VERTICAL LOCATION OF THE PROPOSED STORM DRAIN TO BE INSTALLED IN LOCATIONS AS SHOWN ON THE STORM DRAIN (SD) SHEETS.
28. UNLESS OTHERWISE NOTED ALL VALVE BOXES, KEYBOXES, CLEANOUTS, CATCH BASINS, AND MANHOLES WITHIN THE CONSTRUCTION DISTURBANCE LIMITS SHALL BE ADJUSTED RELATIVE TO FINISH GRADE PER MASS, THESE DRAWINGS OR THE SPECIAL PROVISIONS.

CALL BEFORE YOU DIG!!!

Alaska Digline, Inc.	
Statewide.	811
Alaska Railroad.	265-2520
Military Fuel Lines	552-3760
State Storm Drains	333-2411

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
& 201	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
STAKING							
ASBUILT							
CONTRACTOR		BASIS OF THIS DATUM GAAB 1972 ADJUST					
INSPECTOR							



CRW
ENGINEERING GROUP, LLC

3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AEC0882-AK













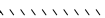

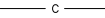

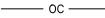

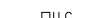

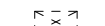

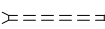
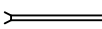
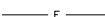

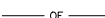



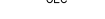

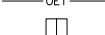





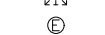

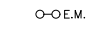

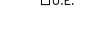

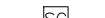





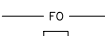

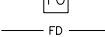



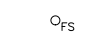
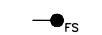
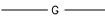

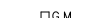







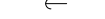



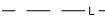















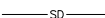















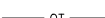





STATE OF ALASKA
49 TH
Justin T. Keene
CE-11775
REGISTERED PROFESSIONAL ENGINEER























PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE – PHASE 2 PIPER STREET TO FLORINA STREET	ALL	
GENERAL NOTES			
SCALE	HOR. N/A VER. N/A	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET
			G3 of G5

PLAN LEGEND

PROPERTY		
EXISTING	PROPOSED	
		CENTERLINE
		EASEMENT LINE
		PROPERTY LINE
		ROW LINE
		SECTION LINE
		TEMPORARY CONSTRUCTION EASEMENT/PERMIT
UTILITY		
EXISTING	PROPOSED	
		ABANDONED UTILITY
		CABLE TV LINE (UNDERGROUND)
		CABLE TV LINE (OVERHEAD)
		CABLE TV PEDESTAL
		CONTROLLER OR ATR CABINET
		CULVERT
		DRY WELL
		ELECTRIC LINE (UNDERGROUND)
		ELECTRIC LINE (OVERHEAD)
		ELECTRIC & CABLE TV LINE (OVERHEAD)
		ELECTRIC & TELEPHONE LINE (OVERHEAD)
		ELECTRIC JB TYPE IA
		ELECTRIC JB TYPE II
		ELECTRIC JB TYPE III
		ELECTRIC LOAD CENTER
		ELECTRIC MANHOLE/JB
		ELECTRIC METER
		ELECTRIC PEDESTAL UNDERGROUND
		ELECTRIC SIGN
		ELECTRIC SWITCH CABINET
		ELECTRIC TRANSFORMER
		ELECTRIC VAULT
		FIBER OPTIC LINE (UNDERGROUND)
		FIBER OPTIC VAULT
		FLOOR DRAIN
		FOOTING DRAIN SERVICE LINE
		FOOTING DRAIN SERVICE CONNECTION
		GAS LINE
		GAS METER
		GAS VALVE
		GUY POLE
		GUY ANCHOR
		JOINT USE ELECTRIC & TELEPHONE POLE
		LIGHTING LINE
		LUMINAIRE
		LUMINAIRE (PEDESTRIAN)
		SANITARY SEWER LINE
		SANITARY SEWER MANHOLE
		SANITARY SEWER SERVICE CONNECTION
		SANITARY SEWER CLEANOUT
		SANITARY SEWER
		SANITARY SEWER
		STORM DRAIN LINE
		STORM DRAIN LINE
		STORM DRAIN CATCH BASIN
		STORM DRAIN CATCH BASIN MANHOLE OR MH
		STORM DRAIN MANHOLE
		STUBOUT CAPPED OR PLUGGED END
		TELEPHONE & CABLE TV LINE (OVERHEAD)
		TELEPHONE LINE (OVERHEAD)







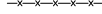


















UTILITY

EXISTING	PROPOSED	
		TELEPHONE LINE (UNDERGROUND)
		TELEPHONE MANHOLE
		TELEPHONE PEDESTAL
		TRAFFIC DETECTOR LOOPS
		TRAFFIC LINE (UNDERGROUND)
		TRAFFIC SIGNAL POLE
		TRAFFIC SIGNAL POLE/LUMINAIRE
		UTILITY POLE
		WATER LINE
		WATER FIRE HYDRANT
		WATER KEY BOX
		WATER MANHOLE
		WATER VALVE
		WATER WELL


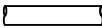



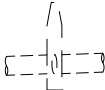
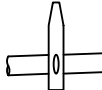


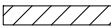




ROADWAY

EXISTING	PROPOSED	
		APPROX SLOPE LIMITS (CUT)
		APPROX SLOPE LIMITS (FILL)
		COLORLED CONCRETE (RED, THICKNESS VARIES, IMPRINTED)
		CURB & GUTTER
		EDGE OF PAVEMENT
		EDGE OF SIDEWALK/CONCRETE
		GUARDRAIL, BARRIER RAIL
		INTERLOCKING CONCRETE PAVERS
		RETAINING WALL (TYPE VARIES)
		STREET SIGN
		UNPAVED (GRAVEL) EDGE OF ROAD/DWY

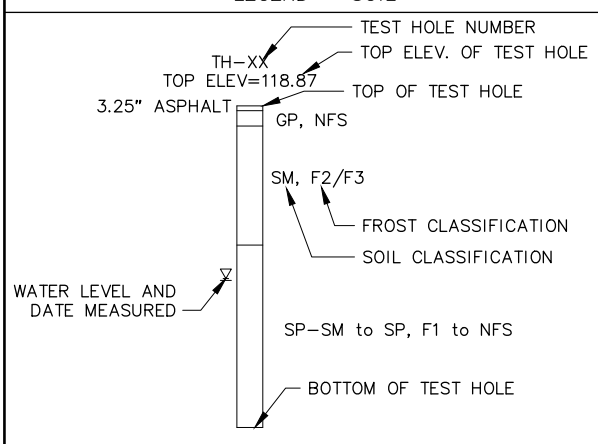
MISCELLANEOUS

EXISTING	PROPOSED	
		BLUFF AREA/ EARTHWORK SLOPE
		BOULDER
		DECK
		DRAINAGE ARROW (DIRECTION OF FLOW)
		DRAINAGE SWALE
		FENCE (TYPE VARIES)
		FENCE (DECORATIVE)
		HOUSE OR STRUCTURE
		LANDSCAPING ROCK
□ M.B.	■ M.B.	MAILBOX (INDIVIDUAL)
		MAILBOX (CLUSTER)
● N.B.		NEWS BOX
		PARKING METER
		PARCEL NUMBERS
		RIPRAP (CLASS 1)
		STREAM SUBSTRATE
		STREAM/EDGE OF WATERWAY
		TREE/SHRUB (CONIFEROUS)
		TREE/SHRUB (DECIDUOUS)
		TEST BORING OR TEST HOLE
		VEGETATION & BRUSH

PROFILE LEGEND

SYMBOL		
EXISTING	PROPOSED	
— — — —	— — — —	APPROXIMATE EXCAVATION LIMITS
— — — —		EXISTING GROUND OVER PIPE
— — — —	<u>0.00%</u>	GRADE AT CENTER LINE
— — — —		GRADE AT LEFT ROW
— — — —		GRADE AT RIGHT ROW
		PIPE (PROFILE)
		PIPE (SECTION)
		STORM DRAIN CATCH BASIN/OGS
		STORM DRAIN/SANITARY SEWER MANHOLE & PIPE
		UTILITY CROSSING
C●		UTILITY CROSSING (CABLE)
E●		UTILITY CROSSING (ELECTRIC)
FO●		UTILITY CROSSING (FIBER OPTIC)
G●		UTILITY CROSSING (GAS)
T●		UTILITY CROSSING (TELEPHONE)
		INSULATION
		RIPRAP (CLASS 1)
		STREAM SUBSTRATE

LEGEND - SOIL



NOTES:

1. STANDARD LEGEND AND ABBREVIATIONS SHOWN. NOT ALL LEGEND ITEMS AND ABBREVIATIONS ARE PART OF THIS CONTRACT.
2. SOIL CLASSIFICATION IS BASED UPON UNIFIED SOIL CLASSIFICATION (ASTM D 2487-00), SEE GEOTECHNICAL SOIL BORING LOGS FOR MORE INFORMATION.
3. SEE LEGEND ON SHEET V1 FOR SURVEY CONTROL SYMBOLS. ADDITIONAL LEGEND AND ABBREVIATION ITEMS NOT SHOWN HERE ARE PROVIDED ON SPECIFIC SHEETS THROUGHOUT THE DRAWINGS.

COMMON ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AC	ASPHALT CONCRETE	OC	ON CENTER
AC	ASBESTOS CONCRETE	OCEW	ON CENTER EACH WAY
APPROX/ APPX	APPROXIMATE	OD	OUTSIDE DIAMETER
		OGS	OIL AND GRIT SEPARATOR
BM	BENCH MARK	OH	OVERHEAD
BOP	BEGINNING OF PROJECT	PC	POINT OF CURVATURE
C&G	CURB AND GUTTER	PCC	PORTLAND CONCRETE CEMENT/ POINT OF CONTINUOUS CURVATURE
CB	CATCH BASIN		
CBMH	CATCH BASIN MANHOLE	PI	POINT OF INTERSECTION
CI	CAST IRON	PL, P/L	PROPERTY LINE
C/L, CL	CENTERLINE	PCMP	PRECOATED CORRUGATED METAL PIPE
CMP	CORRUGATED METAL PIPE	PCPEP	PERFORATED CORRUGATED POLYETHYLENE PIPE
CO	CLEANOUT		
CONST	CONSTRUCTION	PSL	POSTED SPEED LIMIT
CPEP	CORRUGATED POLYETHYLENE PIPE	PT	POINT OF TANGENCY
CY	CUBIC YARD	PUE	PUBLIC USE EASEMENT
DIA	DIAMETER	PVC	POINT OF VERTICAL CURVATURE
DI	DUCTILE IRON	PVC	POLYVINYL CHLORIDE
DW	DETECTABLE WARNING	PVI	POINT OF VERTICAL INTERSECTION
DWY	DRIVEWAY	PVT	POINT OF VERTICAL TANGENT
E	EAST	REINF	REINFORCEMENT
ELEC	ELECTRIC / ELECTRICAL	ROW, R/W	RIGHT OF WAY
ELEV, EL	ELEVATION	RT, R	RIGHT
EOP	END OF PROJECT / EDGE OF PAVEMENT	S	SOUTH
F&I	FURNISH AND INSTALL	S/W	SIDEWALK
FG	FINISHED GRADE	SS	STAINLESS STEEL
GA	GAUGE	SEC COR	SECTION CORNER
GALV	GALVANIZED	SF	SQUARE FOOT
GB	GRADE BREAK	SI	STREET INTERSECTION
JB	JUNCTION BOX	ST	STREET
LC	LOAD CENTER	STA	STATION / STATIONING
IAW	IN ACCORDANCE WITH	STD	STANDARD
ID	INSIDE DIAMETER	STRUCT	STRUCTURE
IE	INVERT ELEVATION	TBC	TOP BACK OF CURB
INTX	INTERSECTION	TBM	TEMPORARY BENCH MARK
INV	INVERT	TCP	TEMPORARY CONSTRUCTION PERMIT/ TRAFFIC CONTROL PLAN
KB	KEYBOX		
LF	LINEAR FOOT	TELE	TELEPHONE
LT, L	LEFT	TH	TEST HOLE
LUM	LUMINAIRE	TW	TOP OF WALL
MAX	MAXIMUM	TYP	TYPICAL
ME	MATCH EXISTING	UG	UNDERGROUND
MH	MANHOLE	UON	UNLESS OTHERWISE NOTED
MIN	MINIMUM	UTIL	UTILITY
MON	MONUMENT	VERT	VERTICAL
MSL	MEAN SEA LEVEL	VB	VALVE BOX
N	NORTH	VC	VERTICAL CURVE
N/A	NOT APPLICABLE	W	WEST
N.I.C.	NOT IN CONTRACT	W/	WITH
NTS	NOT TO SCALE		
NWT	NO WATER TABLE		

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	TS	AR									
TOPOGRAPHY	TS	AR									
PROFILE	RB	EJ	FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
STORM SEWER	AA	JH	DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D-22	162.47					
WATER/SANITARY SEWER	AA	JK	& 201	CB 7B	See MOA Benchmark Book, Page D-18	161.20					
GAS	TS	AR	STAKING								
ELECTRIC	TS	AR									
TELEPHONE	JH	TK									
DESIGN	RB	EJ	ASBUILT								
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF THIS DATUM GAAB 1972 ADJUST							
PRELIMINARY/FINAL	RB	JK	INSPECTOR								
MUNICIPAL/STATE	RB	JK									
PI AN CHECK			CONSTRUCTION RECORD		VERTICAL DATUM		REVISIONS				



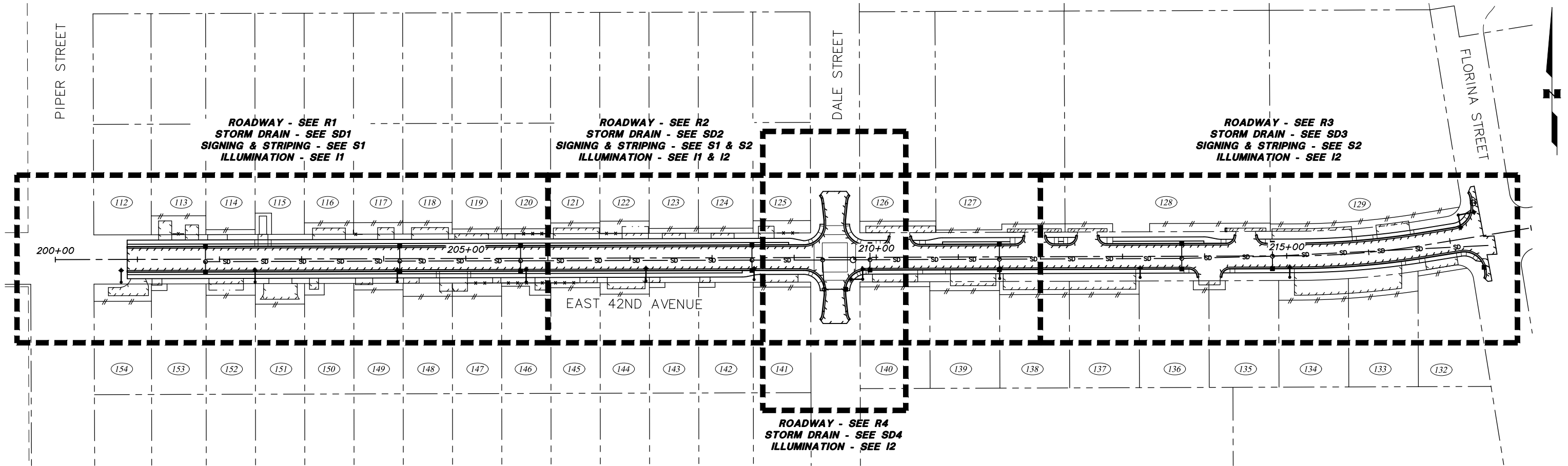
PROJECT MANAGEMENT AND ENGINEERING
DEPARTMENT

18-06	42ND AVENUE UPGRADE – PHASE 2 PIPER STREET TO FLORINA STREET	ALL
-------	---	-----

LEGEND & ABBREVIATIONS

SCALE	HOR. N/A	GRID SW1735		SHEET	G4 of G5
	VER. N/A	DATE AUG 2022	STATUS 65%		

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Key Map_Phase 2.dwg



NOTES:

- EXISTING UTILITIES, FEATURES & EASEMENTS ARE NOT SHOWN FOR CLARITY.
- NOT ALL SHEETS ARE CALLED OUT FOR CLARITY.

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22		162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18		161.20				
ASBUILT								
CONTRACTOR								
INSPECTOR								
BASIS OF THIS DATUM GAAB 1972 ADJUST								
GRAPHIC SCALE 120 60 0 60 120								

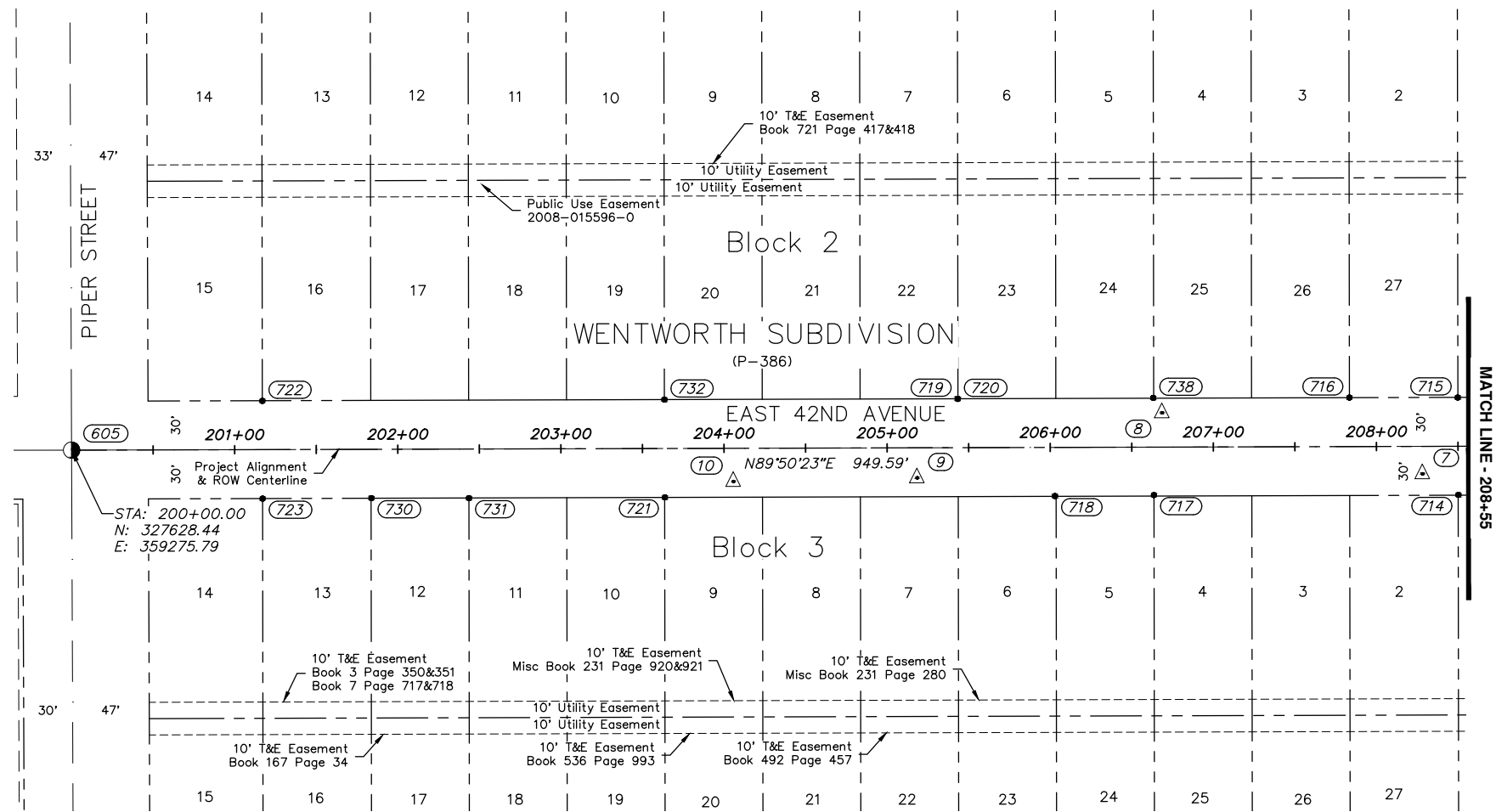
CRW
ENGINEERING GROUP, LLC

3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECCL882-AK

STATE OF ALASKA
49 TH
Justin T. Keene
CE-11775
REGISTERED PROFESSIONAL ENGINEER



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT		
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	ALL
KEY MAP		
SCALE HOR. 1"=60' VER. N/A	GRID SW1735 DATE AUG 2022 STATUS 65%	SHEET 5 of 5



Horizontal Control

Basis of Coordinates:



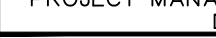

Basis of Bearings:

Translation Parameters:

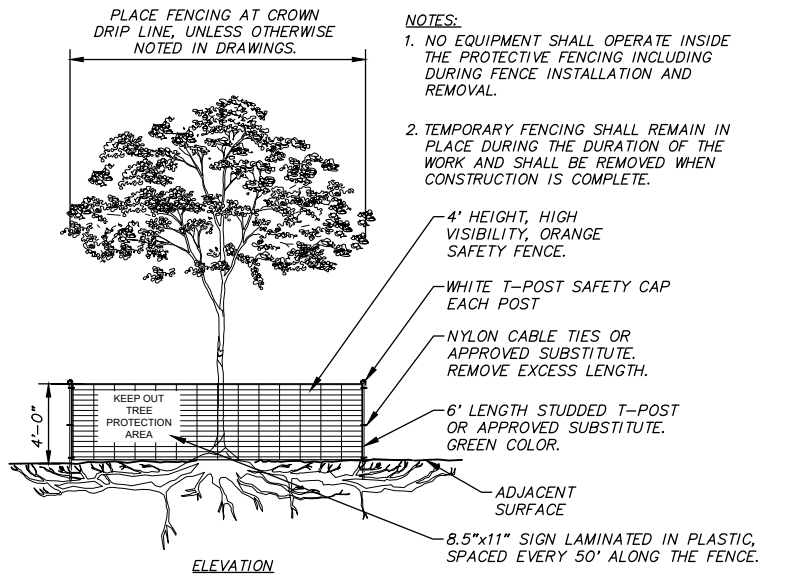
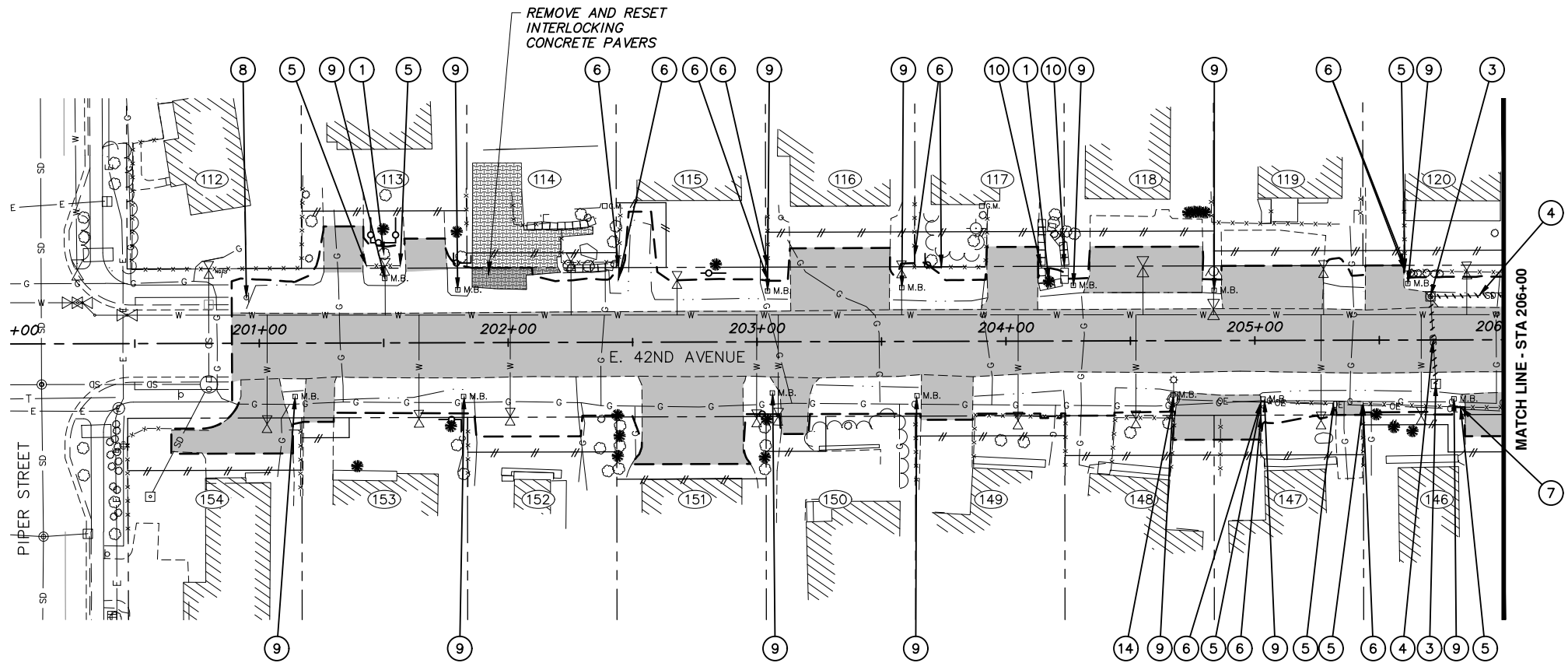
Vertical Control

Horizontal Control— E. 42nd Avenue					
Point	Station	Offset	Northing	Easting	Description
605	200+00.00	0.00 RT	327628.44	359275.79	Found 2-1/2" Aluminum Cap 0.3' below grade in monument case
723	201+17.04	30.04 RT	327598.72	359392.92	Found 5/8" Rebar 0.6' above grade, bent slightly
722	201+17.07	29.89 LT	327658.65	359392.77	Found 5/8" Rebar flush with ground
730	201+83.77	29.94 RT	327599.01	359459.65	Found 5/8" Rebar 0.2' above grade
731	202+43.55	30.08 RT	327599.04	359519.43	Found 5/8" Rebar 0.4' below grade, bent
732	203+63.54	30.00 LT	327659.45	359639.25	Found 5/8" Rebar under fence post base
721	203+63.68	29.96 RT	327599.50	359639.55	Found 1/2" Rebar 0.4' above grade
10	204+05.81	20.34 RT	327609.23	359681.65	Set 5/8" Rebar with Red Plastic Cap 0.1' below grade
9	205+18.43	18.42 RT	327611.46	359794.27	Set 5/8" Rebar with Red Plastic Cap
719	205+43.34	29.99 LT	327659.94	359819.04	Found 5/8" Rebar flush with ground , leaning East
720	205+43.43	29.90 LT	327659.86	359819.14	Found 1/2" Rebar flush with ground, leaning to Southwest
718	206+02.85	29.83 RT	327600.29	359878.72	Found 3/4" Iron Pipe 0.3' below grade
738	206+63.24	30.22 LT	327660.51	359938.95	Found 5/8" Rebar, 0.4' below grade
717	206+63.50	29.38 RT	327600.91	359939.38	Found 1/2" Rebar 0.15' below grade, bent
8	206+68.71	21.02 LT	327651.32	359944.44	Set 2" Aluminum Cap on 5/8" Rebar
716	207+83.51	30.05 LT	327660.68	360059.22	Found 1/2" Rebar 0.3' below grade
7	208+28.29	16.82 RT	327613.93	360104.13	Set 2" Aluminum Cap on 5/8" Rebar
715	208+49.92	29.91 LT	327660.72	360125.63	Found 1/2" Rebar 0.2' below grade
714	208+50.19	29.78 RT	327601.04	360126.06	Found 5/8" Rebar 0.5' below grade, bent to Northeast

LEGEND

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: _____			<table border="1"> <thead> <tr> <th>DATA</th> <th>DRAWN BY</th> <th>CHECKED BY</th> </tr> </thead> <tbody> <tr><td>BASE</td><td>TS</td><td>AR</td></tr> <tr><td>TOPOGRAPHY</td><td>TS</td><td>AR</td></tr> <tr><td>PROFILE</td><td>RB</td><td>EJ</td></tr> <tr><td>STORM SEWER</td><td>AA</td><td>JH</td></tr> <tr><td>WATER/SANITARY SEWER</td><td>AA</td><td>JK</td></tr> <tr><td>GAS</td><td>TS</td><td>AR</td></tr> <tr><td>TELEPHONE</td><td>TS</td><td>AR</td></tr> <tr><td>ELECTRIC</td><td>JH</td><td>TK</td></tr> <tr><td>DESIGN</td><td>RB</td><td>EJ</td></tr> <tr><td>QUANTITIES</td><td>RB</td><td>JK</td></tr> <tr><td>PRELIMINARY/FINAL</td><td>RB</td><td>JK</td></tr> <tr><td>MUNICIPAL/STATE</td><td>RB</td><td>JK</td></tr> </tbody> </table>			DATA	DRAWN BY	CHECKED BY	BASE	TS	AR	TOPOGRAPHY	TS	AR	PROFILE	RB	EJ	STORM SEWER	AA	JH	WATER/SANITARY SEWER	AA	JK	GAS	TS	AR	TELEPHONE	TS	AR	ELECTRIC	JH	TK	DESIGN	RB	EJ	QUANTITIES	RB	JK	PRELIMINARY/FINAL	RB	JK	MUNICIPAL/STATE	RB	JK	<div style="text-align: center;">  </div> <table border="1"> <thead> <tr> <th colspan="2">FIELD BOOKS</th> <th>BM NO.</th> <th>LOCATION</th> <th>ELEV.</th> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>DESIGN CRW BOOK No. 197, 198</td> <td>GAAB 69</td> <td>See MOA Benchmark Book, Page D--22</td> <td>162.47</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>& 201</td> <td>CB 7B</td> <td>See MOA Benchmark Book, Page D--18</td> <td>161.20</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>STAKING</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ASBUILT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CONTRACTOR</td> <td colspan="8">BASIS OF THIS DATUM GAAB 1972 ADJUST</td> </tr> <tr> <td>INSPECTOR</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D--22	162.47						& 201	CB 7B	See MOA Benchmark Book, Page D--18	161.20						STAKING									ASBUILT									CONTRACTOR	BASIS OF THIS DATUM GAAB 1972 ADJUST								INSPECTOR									<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>CRW ENGINEERING GROUP, LLC</p> <p>3940 ARCTIC BLVD., SUITE 300 ANCHORAGE, ALASKA 99503 PHONE: (907) 562-3252 #AECL882-AK</p> </div> </div>			<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>STATE OF ALASKA 49 TH Anthony J. Robinson LS-12318 REGISTERED PROFESSIONAL LAND SURVEYOR</p> </div> </div>			<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT</p> <p>18-06 42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET ALL</p> <p>SURVEY CONTROL</p> <p>E. 42ND AVENUE - BOP TO STA 208+55</p> </div> </div>		
DATA	DRAWN BY	CHECKED BY																																																																																																																					
BASE	TS	AR																																																																																																																					
TOPOGRAPHY	TS	AR																																																																																																																					
PROFILE	RB	EJ																																																																																																																					
STORM SEWER	AA	JH																																																																																																																					
WATER/SANITARY SEWER	AA	JK																																																																																																																					
GAS	TS	AR																																																																																																																					
TELEPHONE	TS	AR																																																																																																																					
ELECTRIC	JH	TK																																																																																																																					
DESIGN	RB	EJ																																																																																																																					
QUANTITIES	RB	JK																																																																																																																					
PRELIMINARY/FINAL	RB	JK																																																																																																																					
MUNICIPAL/STATE	RB	JK																																																																																																																					
FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY																																																																																																															
DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D--22	162.47																																																																																																																				
& 201	CB 7B	See MOA Benchmark Book, Page D--18	161.20																																																																																																																				
STAKING																																																																																																																							
ASBUILT																																																																																																																							
CONTRACTOR	BASIS OF THIS DATUM GAAB 1972 ADJUST																																																																																																																						
INSPECTOR																																																																																																																							
SCALE HOR. 1"=50' VER. N/A			GRID SW1735 DATE AUG 2022 STATUS 65%			SHEET V_1 of V_2																																																																																																																	

File: I:\labData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Demolition Plan_Phase 2.dwg



TEMPORARY TREE PROTECTION FENCE DETAIL

SCALE: NTS

LEGEND

- 1 CLEAR AND GRUB WITHIN LIMITS OF DISTURBANCE AFTER CLEARING LIMITS HAVE BEEN APPROVED AND AFTER TEMPORARY TREE PROTECTION FENCES (SECTION 75.12) HAVE BEEN ESTABLISHED AS SHOWN, OR AS DIRECTED BY THE ENGINEER IN THE FIELD (SECTION 20.04). NOT ALL TREES, SHRUBS, AND VEGETATION ARE SPECIFICALLY CALLED OUT OR SHOWN.
- 3 REMOVE MANHOLE OR CATCH BASIN (SECTION 55.11).
- 4 REMOVE PIPE (SECTION 70.07).
- 5 REMOVE AND RESET FENCE (SECTION 70.08).
- 6 REMOVE FENCE (SECTION 70.08).
- 7 REMOVE AND RESET GATE (SECTION 70.08).
- 8 REMOVE AND SALVAGE SIGN. THIS WORK SHALL BE INCIDENTAL TO THE BID ITEM STANDARD SIGNS (SECTION 70.11).
- 9 RELOCATE MAILBOX (SECTION 70.17).
- 10 REMOVAL/DISPOSAL AND/OR SALVAGE/INSTALLATION OF OBSTRUCTIONS (SECTION 70.22).
- 14 REMOVE LUMINAIRE POLE, UTILITY POLE, OR LUMINAIRE ARM (BY OTHERS).

- REMOVAL OF PAVEMENT (SECTION 20.09) AND/OR, SIDEWALK, CURB & GUTTER, AND CONCRETE, AS SHOWN & NOTED IN SUMMARY TABLES.
- APPROXIMATE LIMITS OF DISTURBANCE
- REMOVE PIPE
- TEMPORARY TREE PROTECTION FENCE (SECTION 75.12), LOCATIONS TO BE FIELD VERIFIED, SEE DETAIL 1, THIS SHEET.

NOTES:

1. SEE SUMMARY TABLE SHEETS B4-B6 FOR STATION AND OFFSET OF DEMOLITION ITEMS.
2. SEE ROADWAY IMPROVEMENTS (R) SHEETS FOR DRIVEWAY RECONSTRUCTION LIMITS.

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: _____ DATE: _____	
BY: _____ TITLE: _____	
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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D-22		162.47				
& 201	CB 7B	See MOA Benchmark Book, Page D-18		161.20				
STAKING								
ASBUILT								
CONTRACTOR								
INSPECTOR								
BASIS OF THIS DATUM GAAB 1972 ADJUST								

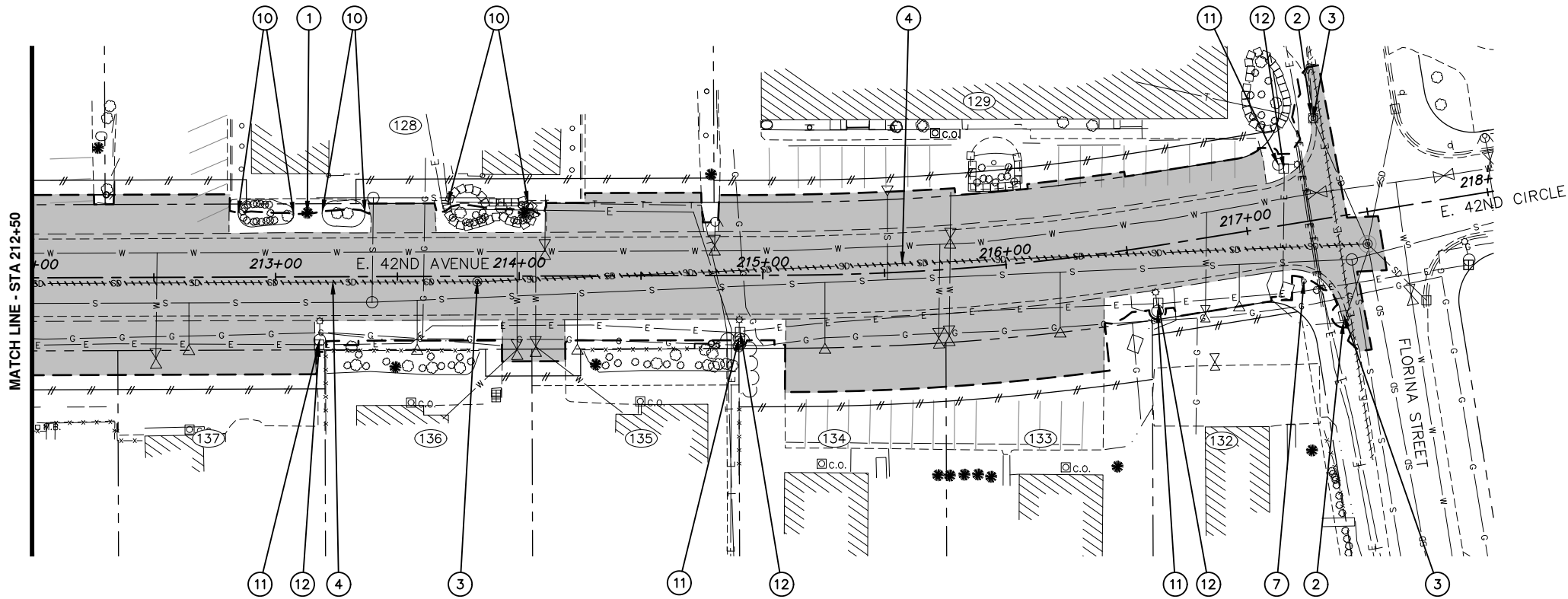
CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 PHONE: (907) 562-3252 #AECCL882-AK

STATE OF ALASKA 49 TH Christopher T. Koenen CE-145371 REGISTERED PROFESSIONAL ENGINEER
--

UNIVERSITY OF ANCHORAGE

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	ALL	
DEMOLITION PLAN			
E. 42ND AVENUE BOP TO STA 206+00			
SCALE	HOR. 1"=30' VER. N/A	GRID SW735 DATE AUG 2022	STATUS 65% SHEET B1 of B6

File: I:\jobdata\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Demolition Plan_Phase 2.dwg



LEGEND

- ① CLEAR AND GRUB WITHIN LIMITS OF DISTURBANCE AFTER CLEARING LIMITS HAVE BEEN APPROVED AND AFTER TEMPORARY TREE PROTECTION FENCES (SECTION 75.12) HAVE BEEN ESTABLISHED AS SHOWN, OR AS DIRECTED BY THE ENGINEER IN THE FIELD (SECTION 20.04). NOT ALL TREES, SHRUBS, AND VEGETATION ARE SPECIFICALLY CALLED OUT OR SHOWN.
- ② REMOVE CURB AND GUTTER (SECTION 20.08).
- ③ REMOVE MANHOLE OR CATCH BASIN (SECTION 55.11).
- ④ REMOVE PIPE (SECTION 70.07).
- ⑦ REMOVE AND SALVAGE SIGN. THIS WORK SHALL BE INCIDENTAL TO THE BID ITEM STANDARD SIGNS (SECTION 70.11).
- ⑩ REMOVAL/DISPOSAL AND/OR SALVAGE/INSTALLATION OF OBSTRUCTIONS (SECTION 70.22).
- ⑪ REMOVE LUMINAIRE POLE (SECTION 80.28).
- ⑫ REMOVE JUNCTION BOX (SECTION 80.28).

- REMOVAL OF PAVEMENT (SECTION 20.09) AND/OR, SIDEWALK, CURB & GUTTER, AND CONCRETE, AS SHOWN & NOTED IN SUMMARY TABLES.
- - - APPROXIMATE LIMITS OF DISTURBANCE
- REMOVE PIPE
- TEMPORARY TREE PROTECTION FENCE (SECTION 75.12), LOCATIONS TO BE FIELD VERIFIED, SEE DETAIL 1 ON SHEET B1.

NOTES:

1. SEE SUMMARY TABLE SHEETS B4-B6 FOR STATION AND OFFSET OF DEMOLITION ITEMS.
2. SEE ROADWAY IMPROVEMENTS (R) SHEETS FOR DRIVEWAY RECONSTRUCTION LIMITS.

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22		162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18		161.20				
ASBUILT								
CONTRACTOR								
INSPECTOR								
BASIS OF THIS DATUM GAAB 1972 ADJUST								
REVISIONS								

CRW ENGINEERING GROUP, LLC

3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECL882-AK



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT		
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	ALL
DEMOLITION PLAN		
E. 42ND AVENUE STA 212+00 TO EOP		
SCALE HOR. 1"=30' VER. N/A	GRID SW1735 DATE AUG 2022 STATUS 65%	SHEET B3 of B6

30.13				
REMOVE AND RESET INTERLOCKING CONCRETE PAVERS				
SHEET	STATION TO STATION	OFFSET	AREA (SY)	REMARKS
B1	201+86 TO 202+10	30.0 LT	17	

70.08											
REMOVE AND RESET FENCE											
SHEET	EXISTING LOCATION					PROPOSED LOCATION					REMARKS
	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	
B1	201+43.1	31.0 LT	201+56.7	31.0 LT	13.6	201+43.1	31.0 LT	201+56.7	31.0 LT	13.6	
B1	203+63.3	35.1 LT	203+74.1	29.9 LT	16.0	203+63.3	35.1 LT	203+74.1	29.9 LT	16.0	
B1	205+02.5	24.6 RT	205+31.6	25.3 RT	29.2	205+02.4	30.0 RT	205+32.7	30.0 RT	30.3	
B1	205+43.4	25.4 RT	205+82.6	27.0 RT	39.2	205+43.4	30.0 RT	205+82.6	30.0 RT	39.3	
B1/B2	205+60.4	27.8 LT	206+03.0	27.0 LT	42.6	205+60.4	30.0 LT	206+02.9	30.0 LT	42.6	
B2	206+03.3	24.0 RT	206+37.6	23.4 RT	34.1	206+03.5	30.0 RT	206.37.33	30.0 RT	34.0	
B2	206+63.4	26.7 LT	206+90.1	27.1 LT	26.7	206+63.6	30.0 LT	206+90.5	30.0 LT	27.0	
B2	208+79.3	30.0 LT	209+05.0	28.7 LT	26.4	208+79.3	30.0 LT	209+06.1	30.0 LT	26.8	


NOTES:

1. PROVIDE TEMPORARY FENCING PER SECTION 70.23 FOR ALL FENCES REMOVED OR AS DIRECTED BY THE ENGINEER.
2. STAKE RESET FENCE LAYOUT IN THE FIELD FOR ENGINEER TO REVIEW AND APPROVE PRIOR TO INSTALLATION. THIS WORK SHALL BE INCIDENTAL TO SECTION 70.08 PAY ITEM.

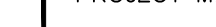
70.08						
REMOVE FENCE ⑥						
SHEET	EXISTING LOCATION					REMARKS
	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	
B1	202+44.3	25.0 LT	202+44.5	30.0 LT	5.0	
B1	203+04.4	24.8 LT	203+04.4	30.0 LT	5.2	
B1	205+02.5	24.6 RT	205+02.4	30.0 RT	5.4	
B1	205+43.4	25.4 RT	205+43.4	30.0 RT	4.6	
B1	205+60.4	27.8 LT	205+60.4	30.0 LT	2.2	
B2	206+02.9	30.0 LT	206+03.0	27.0 LT	3.0	
B2	206+03.3	24.0 RT	206+03.5	30.0 RT	6.0	
B2	206+37.3	30.0 RT	206+37.6	23.4 RT	6.6	
B2	206+63.4	26.7 LT	206+63.6	30.0 LT	3.3	
B2	207+23.8	26.7 LT	207+23.9	30.0 LT	3.4	


70.08											
REMOVE AND RESET GATE											
SHEET	EXISTING LOCATION					PROPOSED LOCATION					REMARKS
	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	
B1/B2	205+82.6	27.0 RT	206+03.5	27.3 RT	21.0	205+82.6	30.0 RT	206+03.5	30.0 RT	20.9	

RECORD DRAWING		DATA		DRAWN BY	CHECKED BY											PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT	
1. DATA PROVIDED BY: _____ TITLE: _____		BASE		TS	AR											18-06	
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.		TOPOGRAPHY		TS	AR											42ND AVENUE UPGRADE - PHASE 2 ALL	
CONTRACTOR: _____ TITLE: _____ DATE: _____		PROFILE		RB	EJ											PIPER STREET TO FLORINA STREET	
BY: _____		STORM SEWER		AA	JH	DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D-22	162.47								
COMPANY: _____ DATE: _____		WATER/SANITARY SEWER		AA	JK	& 201	CB 7B	See MOA Benchmark Book, Page D-18	161.20								
2. DATA TRANSFERRED BY: _____ TITLE: _____		GAS		TS	AR												
BY: _____		TELEPHONE		TS	AR												
COMPANY: _____ DATE: _____		ELECTRIC		JH	TK												
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.		DESIGN		RB	EJ												
DATA TRANSFER CHECKED BY: _____ TITLE: _____		QUANTITIES		RB	JK												
COMPANY: _____ DATE: _____		PRELIMINARY/FINAL		RB	JK												
BY: _____		MUNICIPAL/STATE		RB	JK												
		PLAN CHECK				CONSTRUCTION RECORD		VERTICAL DATUM		REVISIONS		CONSULTANT		SEAL			



3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECL682-AK





SCALE

HOR. N/A
VER. N/A

GRID SW1735

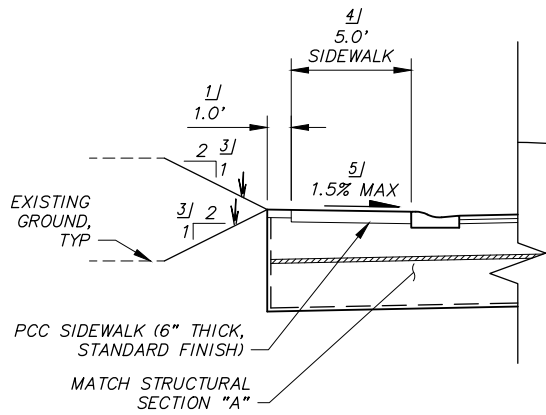
DATE AUG 2022

STATUS 65%

SHEET

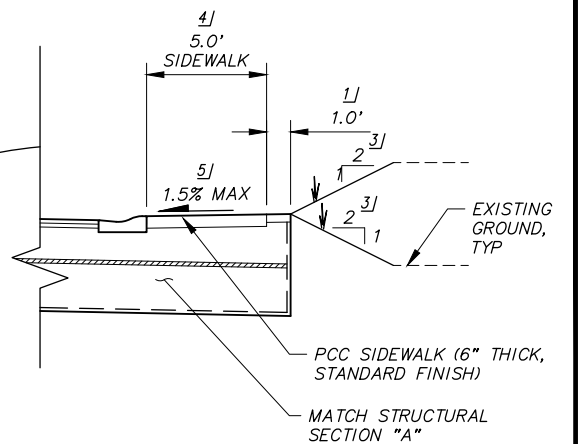
B5 of B6

File: i:\webdata\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Typical Sections_Phase 2.dwg



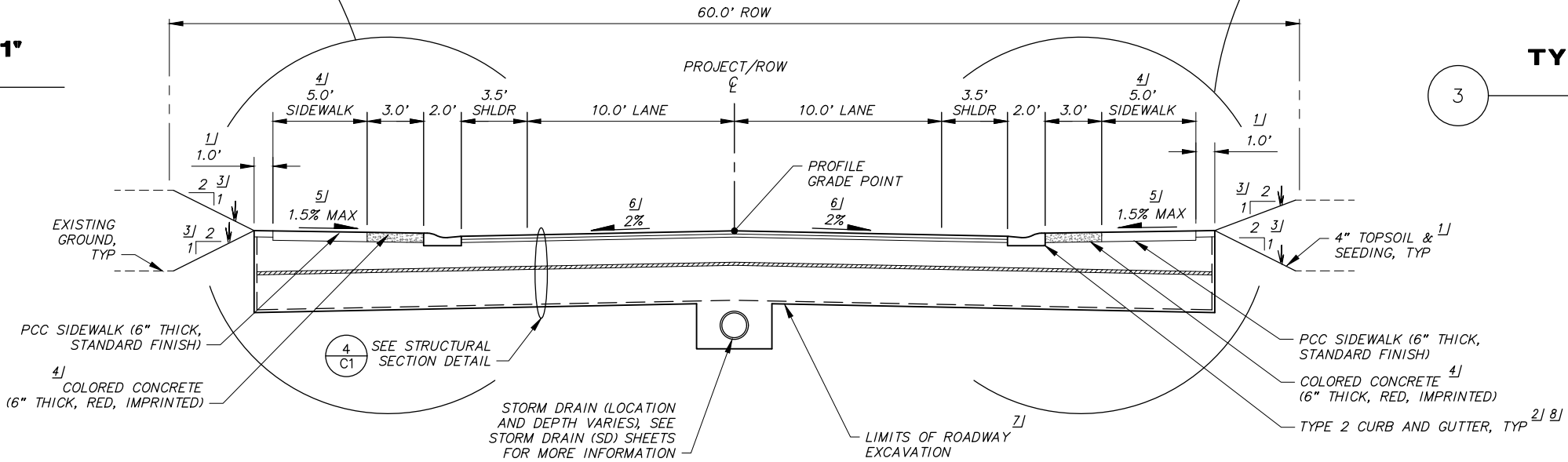
TYPICAL SECTION 'A1'
E. 42ND AVENUE

STA 208+94 TO 209+50, LT



TYPICAL SECTION 'A2'
E. 42ND AVENUE

STA 208+37 TO 209+50, RT



TYPICAL SECTION 'A' - E. 42ND AVENUE

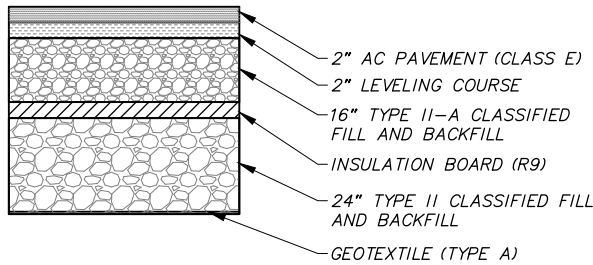
BOP TO STA 209+50

NOTES:

1. THE STATION RANGES IDENTIFIED IN EACH TYPICAL SECTION ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BY THE ENGINEER.

#/ FOOT NOTES:

1. PLACE 4" OF TOPSOIL AND SEEDING (SCHEDULE A) ON ALL DISTURBED AREAS.
2. TOP AC PAVEMENT SHALL BE 1/8" - 1/4" ABOVE LIP OF CURB, UNLESS OTHERWISE NOTED. SEE DETAIL 5, SHEET C4.
3. THE MAXIMUM (STEEPEST) AND TYPICAL CUT/FILL SLOPES ARE 2 (HORIZONTAL) : 1 (VERTICAL). FILL SLOPES MAY VARY ALONG ROADWAY TO PROVIDE POSITIVE DRAINAGE TOWARD ROADWAY. SEE DETAIL 3, SHEET C4. SEE ROADWAY SHEETS FOR LOCATIONS. THE ENGINEER MAY ADJUST THE TYPICAL SLOPES IN THE FIELD.
4. ADD WELDED STEEL WIRE REINFORCEMENT TO ALL 6" SIDEWALKS AND BUFFERS PER THE SPECIFICATIONS.
5. THE MAXIMUM SIDEWALK GRADE IS 2% AT DRIVEWAYS. TRANSITION FROM TYPICAL 1.5% SIDEWALK GRADE OVER 5 FEET.
6. ROADWAY CROSS SLOPE SHALL BE 2% UNLESS OTHERWISE NOTED. SEE INTERSECTION LAYOUT SHEETS FOR LOCATIONS.
7. PRIOR TO PLACEMENT OF FILL, NATIVE MATERIAL SHALL BE SCARIFIED, PROOF-ROLLED AND COMPACTED AS DIRECTED BY ENGINEER. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
8. INSTALL TYPE 4 CURB & GUTTER AT PARCEL 115, 147 & 148 DRIVEWAYS. SEE 20.28 DRIVEWAY RECONSTRUCTION SUMMARY TABLES ON THE ROADWAY SUMMARY TABLE "T" SHEETS FOR INDIVIDUAL DRIVEWAY SPECIFICS.



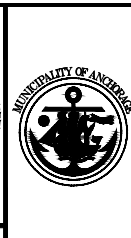
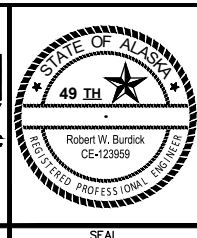
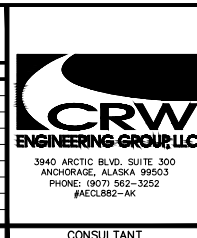
TYPICAL STRUCTURAL SECTION
E. 42ND AVENUE

4

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: _____ DATE: _____	
BY: _____ TITLE: _____	
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: _____	

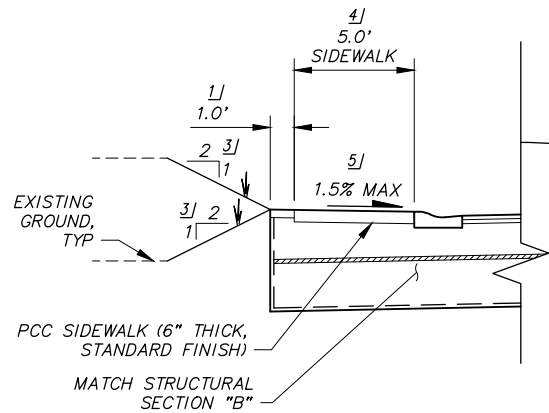
DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
PLAN CHECK							
CONSTRUCTION RECORD							
VERTICAL DATUM							
REVISIONS							
CONSULTANT							
SEAL							



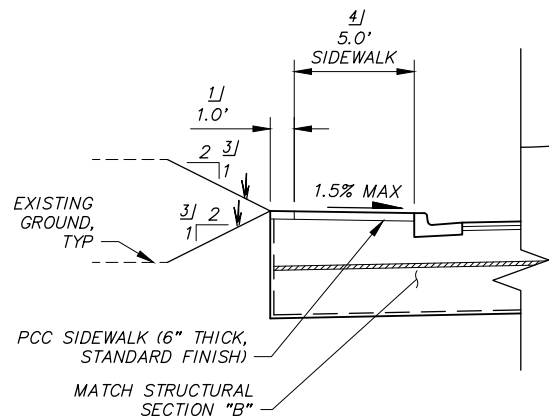
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
TYPICAL SECTIONS			
EAST 42ND AVENUE			
SCALE	HOR. N/A VER. N/A	GRID SW735 DATE AUG 2022	STATUS 65% SHEET C1 of C4

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Typical Sections_Phase 2.dwg



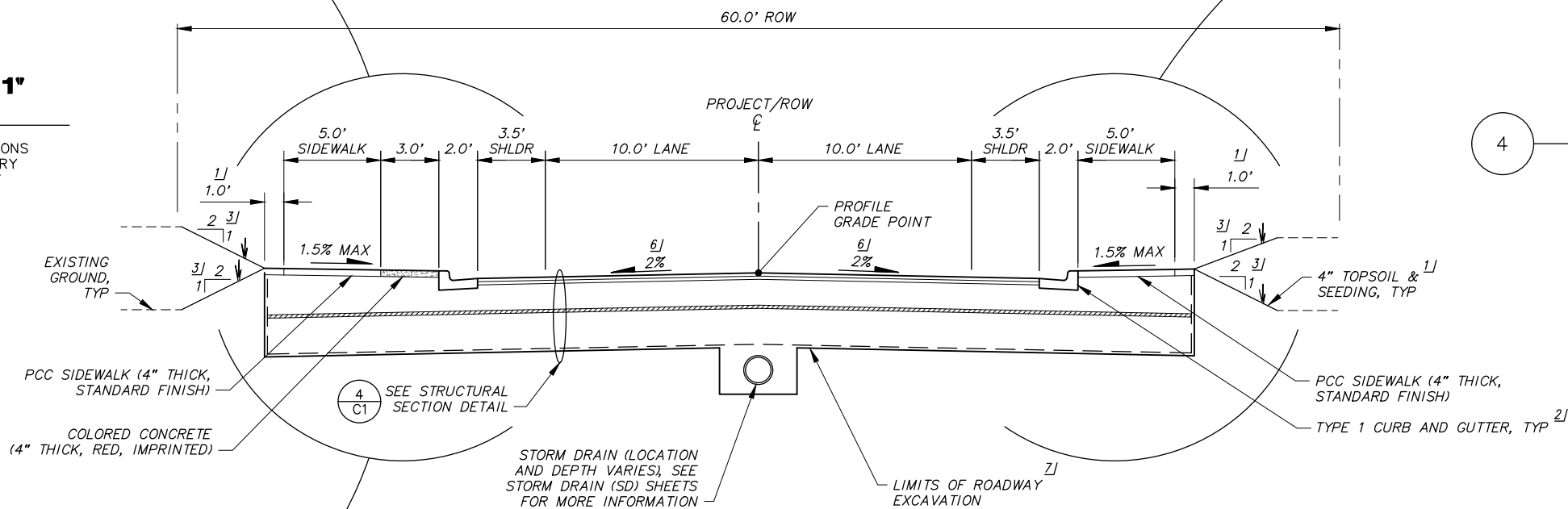
TYPICAL SECTION 'B1' E. 42ND AVENUE

STA 209+50 TO EOP, LT AT DRIVEWAY LOCATIONS
SEE 20.28 DRIVEWAY RECONSTRUCTION SUMMARY
TABLES ON THE ROADWAY SUMMARY TABLE "T"
SHEETS FOR INDIVIDUAL DRIVEWAY SPECIFICS.



TYPICAL SECTION 'B2' E. 42ND AVENUE

STA 209+50 TO 210+81, RT
STA 213+99 TO EOP, RT



TYPICAL SECTION 'B' - E. 42ND AVENUE

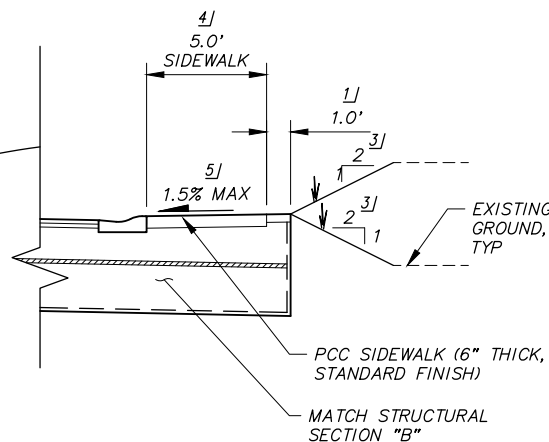
209+50 TO EOP

NOTES:

1. THE STATION RANGES IDENTIFIED IN EACH TYPICAL SECTION ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BY THE ENGINEER.

#/ FOOT NOTES:

1. PLACE 4" OF TOPSOIL AND SEEDING (SCHEDULE A) ON ALL DISTURBED AREAS.
2. TOP AC PAVEMENT SHALL BE 1/8" - 1/4" ABOVE LIP OF CURB, UNLESS OTHERWISE NOTED. SEE DETAIL 5, SHEET C4.
3. THE MAXIMUM (STEEPEST) AND TYPICAL CUT/FILL SLOPES ARE 2 (HORIZONTAL) : 1 (VERTICAL). FILL SLOPES MAY VARY ALONG ROADWAY TO PROVIDE POSITIVE DRAINAGE TOWARD ROADWAY. SEE DETAIL 3, SHEET C4.. SEE ROADWAY SHEETS FOR LOCATIONS. THE ENGINEER MAY ADJUST THE TYPICAL SLOPES IN THE FIELD.
4. ADD WELDED STEEL WIRE REINFORCEMENT TO ALL 6" SIDEWALKS PER THE SPECIFICATIONS.
5. THE MAXIMUM SIDEWALK GRADE IS 2% AT DRIVEWAYS.
6. ROADWAY CROSS SLOPE SHALL BE 2% UNLESS OTHERWISE NOTED. SEE INTERSECTION LAYOUT SHEETS FOR LOCATIONS.
7. PRIOR TO PLACEMENT OF FILL, NATIVE MATERIAL SHALL BE SCARIFIED, PROOF-ROLLED AND COMPACTED AS DIRECTED BY ENGINEER. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.



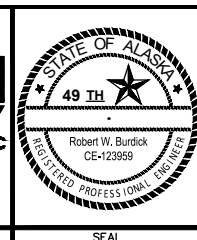
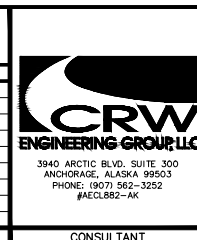
TYPICAL SECTION 'B3' E. 42ND AVENUE

STA 209+50 TO EOP, RT AT DRIVEWAY LOCATIONS
SEE 20.28 DRIVEWAY RECONSTRUCTION SUMMARY
TABLES ON THE ROADWAY SUMMARY TABLE "T"
SHEETS FOR INDIVIDUAL DRIVEWAY SPECIFICS.

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: _____	

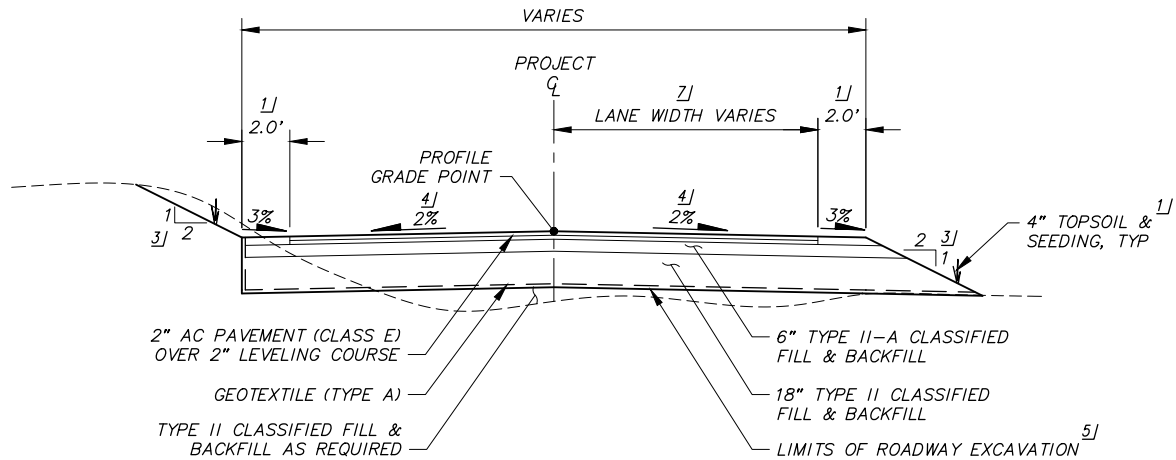
DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
PLAN CHECK							
CONSTRUCTION RECORD							
VERTICAL DATUM							
REVISIONS							
CONSULTANT							
SEAL							



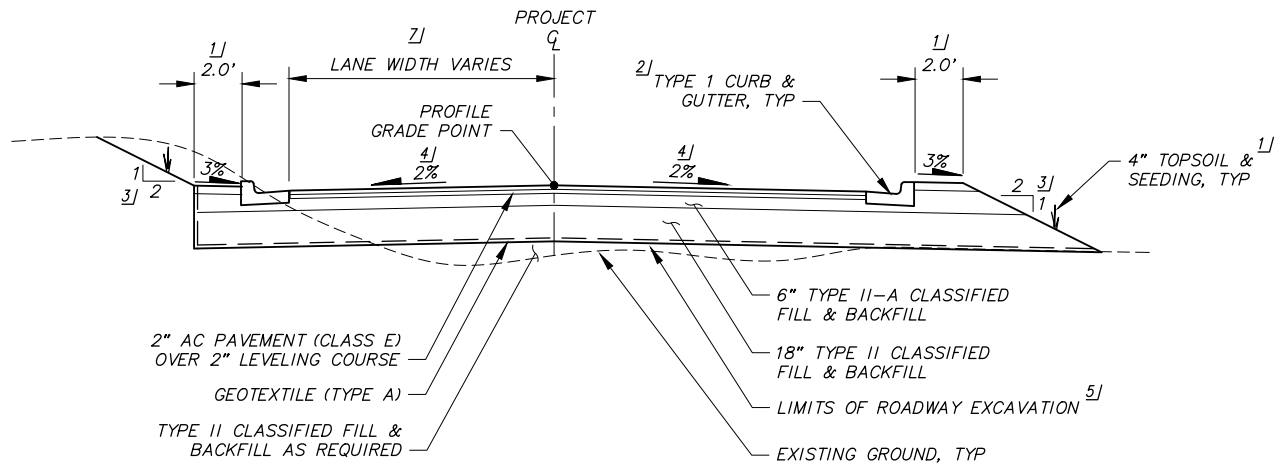
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
TYPICAL SECTIONS			
EAST 42ND AVENUE			
SCALE	HOR. N/A VER. N/A	GRID SW735 DATE AUG 2022	STATUS 65% SHEET C2 of C4

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Typical Sections_Phase 2.dwg



**TYPICAL SECTION 'C' - DALE STREET
NO CURB (BEYOND CURB RETURN)**

STA 80+19 TO 80+25
STA 81+75 TO 81+81



**TYPICAL SECTION 'D' - DALE STREET
WITH CURB (BEYOND CURB RETURN)**

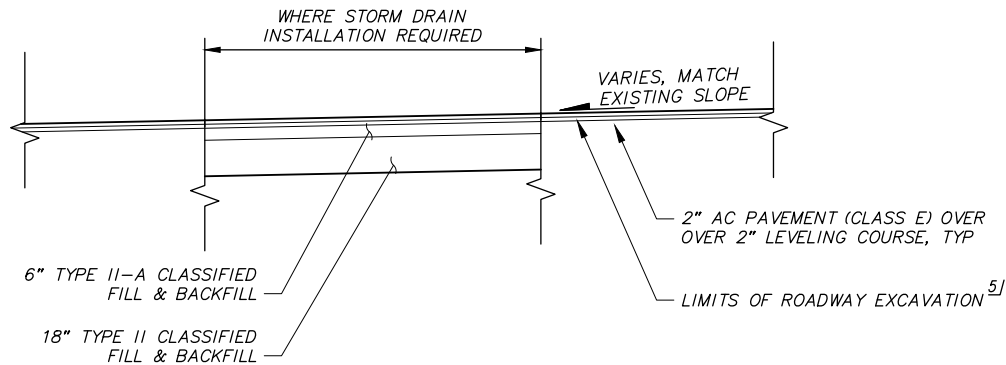
STA 80+25 TO BEGIN CURB RETURN
END CURB RETURN TO STA 81+75

NOTES:

1. THE STATION RANGES IDENTIFIED IN EACH TYPICAL SECTION ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BY THE ENGINEER.

#/ FOOT NOTES:

1. PLACE 4" OF TOPSOIL AND SEEDING (SCHEDULE A) ON ALL DISTURBED AREAS.
2. TOP AC PAVEMENT SHALL BE 1/8" - 1/4" ABOVE LIP OF CURB, UNLESS OTHERWISE NOTED. SEE DETAIL 5, SHEET C4. INSTALL STEEL CURB FACING ON TYPE 1 CURB AND GUTTER TRANSITIONS PER ROADWAY SUMMARY TABLES (T) SHEETS.
3. THE MAXIMUM (STEEPEST) AND TYPICAL CUT/FILL SLOPES ARE 2 (HORIZONTAL) : 1 (VERTICAL). FILL SLOPES MAY VARY ALONG ROADWAY TO PROVIDE POSITIVE DRAINAGE TOWARD ROADWAY. SEE DETAIL 3, SHEET C4. SEE ROADWAY SHEETS FOR LOCATIONS. THE ENGINEER MAY ADJUST THE TYPICAL SLOPES IN THE FIELD.
4. ROADWAY CROSS SLOPE SHALL BE 2% UNLESS OTHERWISE NOTED. SEE INTERSECTION LAYOUT SHEETS FOR ROADWAY CROSS SLOPES AT BEGIN/END OF SIDE STREET CURB RETURNS. MODIFY ROADWAY CROSS SLOPE AS REQUIRED TO MATCH INTO EXISTING ROADWAY OR AS DIRECTED IN THE FIELD BY THE ENGINEER. PROVIDE SMOOTH TRANSITION TO MATCH EXISTING AND POSITIVE DRAINAGE TOWARD STORM DRAIN STRUCTURES.
5. PRIOR TO PLACEMENT OF FILL, NATIVE MATERIAL SHALL BE SCARIFIED, PROOF-ROLLED AND COMPACTED AS DIRECTED BY ENGINEER. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
6. BEGIN TRANSITION FROM MAIN STREET TYPICAL SECTION TO SIDE STREET TYPICAL SECTION AT END OF SIDE STREET CURB RETURN & INSTALL INSULATION WITHIN SIDE STREET PER DETAIL 1, SHEET D4.
7. SEE ROADWAY PLAN & PROFILE & INTERSECTION LAYOUT SHEETS FOR SIDE STREET WIDTHS.

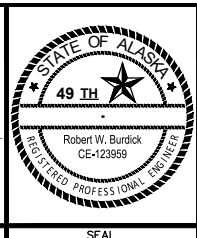


**TYPICAL SECTION 'E'
FLORINA STREET INTERSECTION**

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: _____	

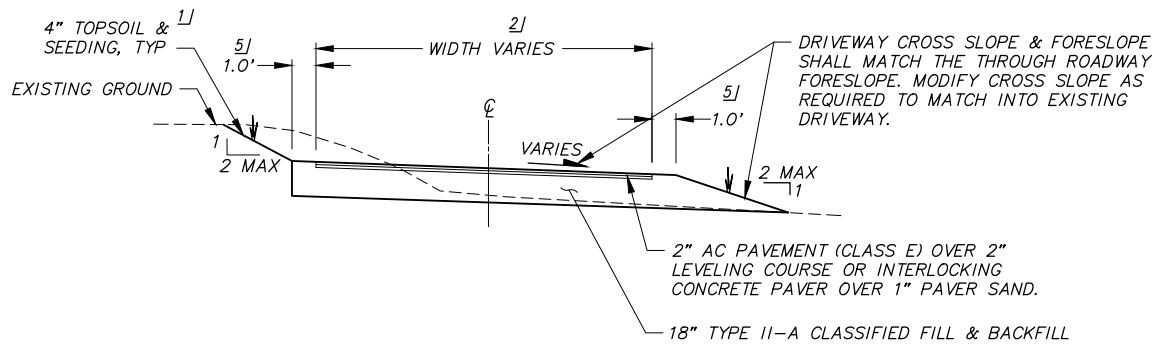
DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
REVISIONS							
CONSULTANT							
SEAL							

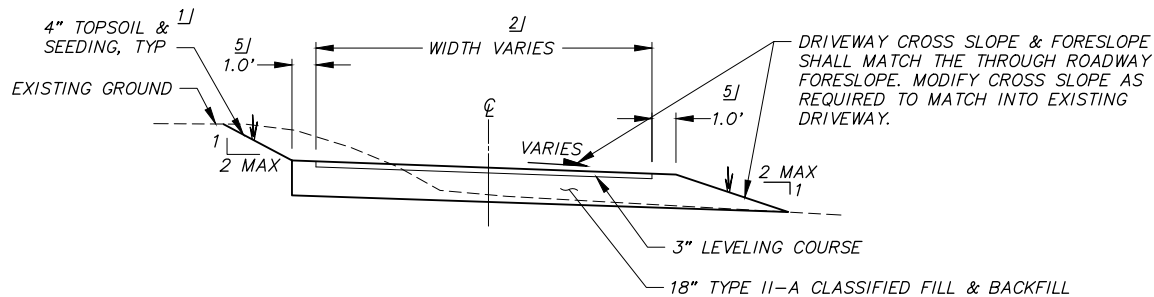


PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
TYPICAL SECTIONS			
DALE STREET & FLORINA STREET			
SCALE	HOR. N/A VER. N/A	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET
			C3 of C4

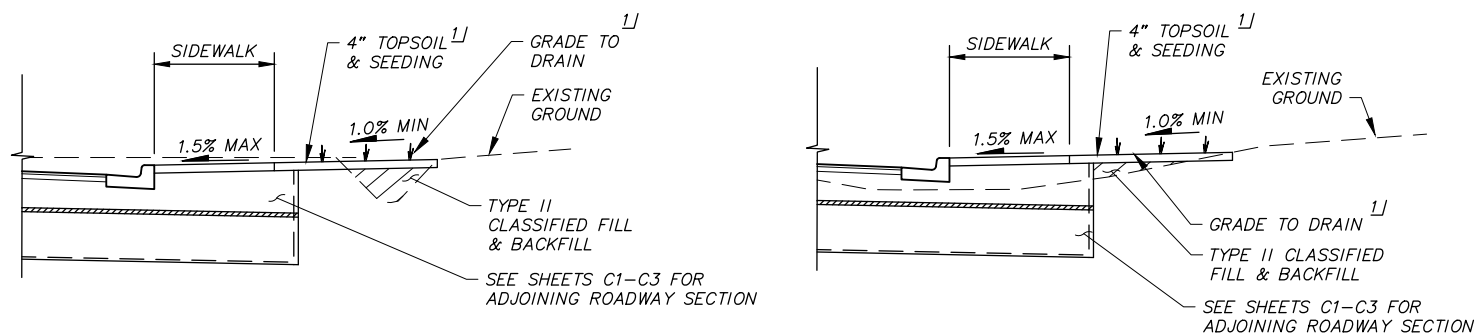
File: I:\webData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Typical Sections_Phase 2.dwg



**TYPICAL SECTION 'F' DRIVEWAY
PAVED OR INTERLOCKING CONCRETE PAVER**



TYPICAL SECTION 'G' DRIVEWAY UNPAVED



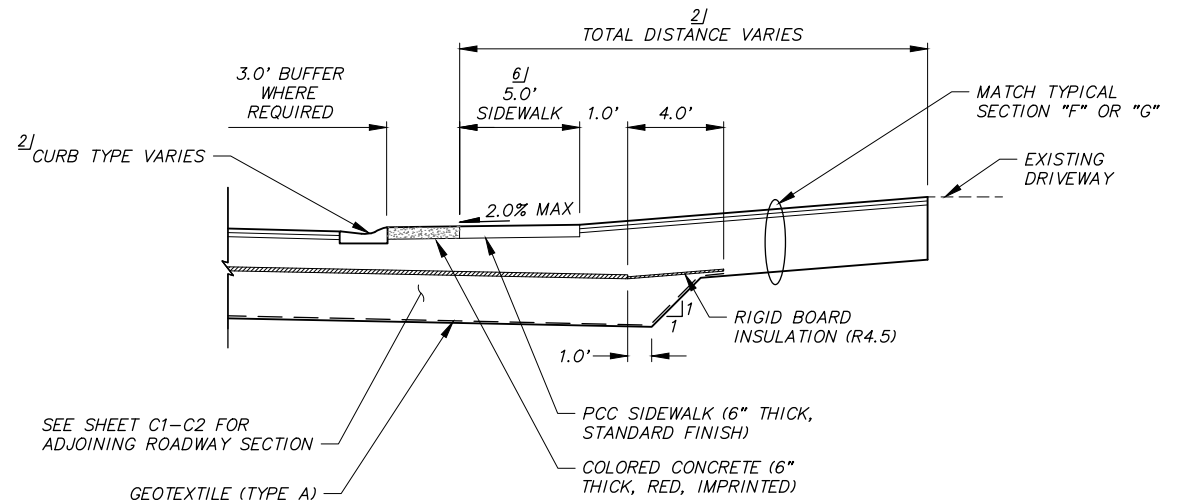
SPECIAL FILL GRADING DETAILS

SHEET NOTES:

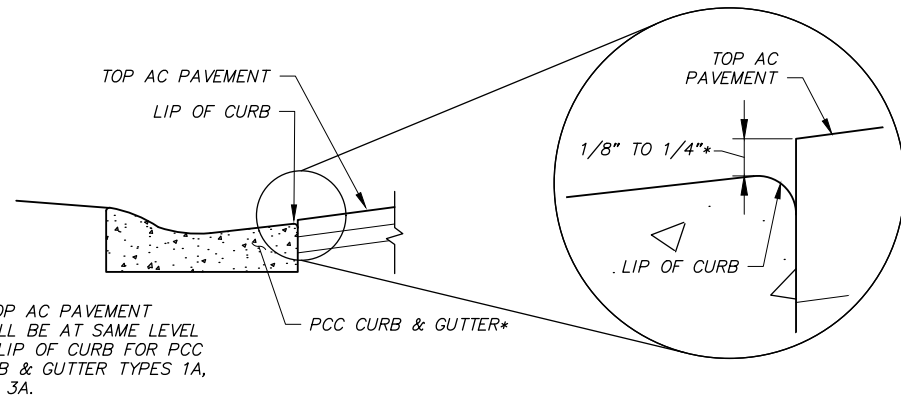
1. SEE SHEETS C1-C3 FOR ADJOINING ROADWAY SECTION.

FOOT NOTES:

- PLACE 4" OF TOPSOIL AND SEEDING (SCHEDULE A) ON ALL DISTURBED AREAS.
- SEE RECONSTRUCT DRIVEWAY SUMMARY TABLE ON THE ROADWAY SUMMARY TABLE (T) SHEETS, DRIVEWAY RECONSTRUCTION PLANS & DRIVEWAY DETAILS FOR DRIVEWAY RECONSTRUCTION INFORMATION.
- INSTALL INSULATION ADJACENT TO DRIVEWAY AND TRANSITION TO DRIVEWAY SECTION PER DETAIL 4, THIS SHEET.
- FOR DRIVEWAYS WITH CURB RETURNS, EXTEND R9 INSULATION AND BEGIN TRANSITION TO TYPICAL SECTION "F" 1 FOOT BEYOND BACK OF SIDEWALK EXTENDED.
- 1.0' SHOULDER NOT REQUIRED WHEN DRIVEWAY IS ADJACENT TO PAVED SURFACES.
- ADD WELDED STEEL WIRE REINFORCEMENT TO ALL 6" SIDEWALKS AND BUFFERS PER THE SPECIFICATIONS.



TYPICAL DRIVEWAY CONNECTION SECTION



CURB AND GUTTER & AC PAVEMENT EDGE DETAIL

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: _____	DATE: _____
BY: _____	TITLE: _____
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: _____	TITLE: _____

DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
PLAN CHECK							
CONSTRUCTION RECORD							
VERTICAL DATUM							
REVISIONS							
CONSULTANT							
SEAL							

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 PHONE: (907) 562-3252 #AECCL882-AK

STATE OF ALASKA 49 TH Robert W. Burdick CE-123959 REGISTERED PROFESSIONAL ENGINEER
--

UNIVERSITY OF ALASKA

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
TYPICAL SECTIONS			
DRIVEWAY & MISCELLANEOUS DETAILS			
SCALE	HOR. N/A VER. N/A	GRID SW735 DATE AUG 2022	STATUS 65% SHEET C4 of C4

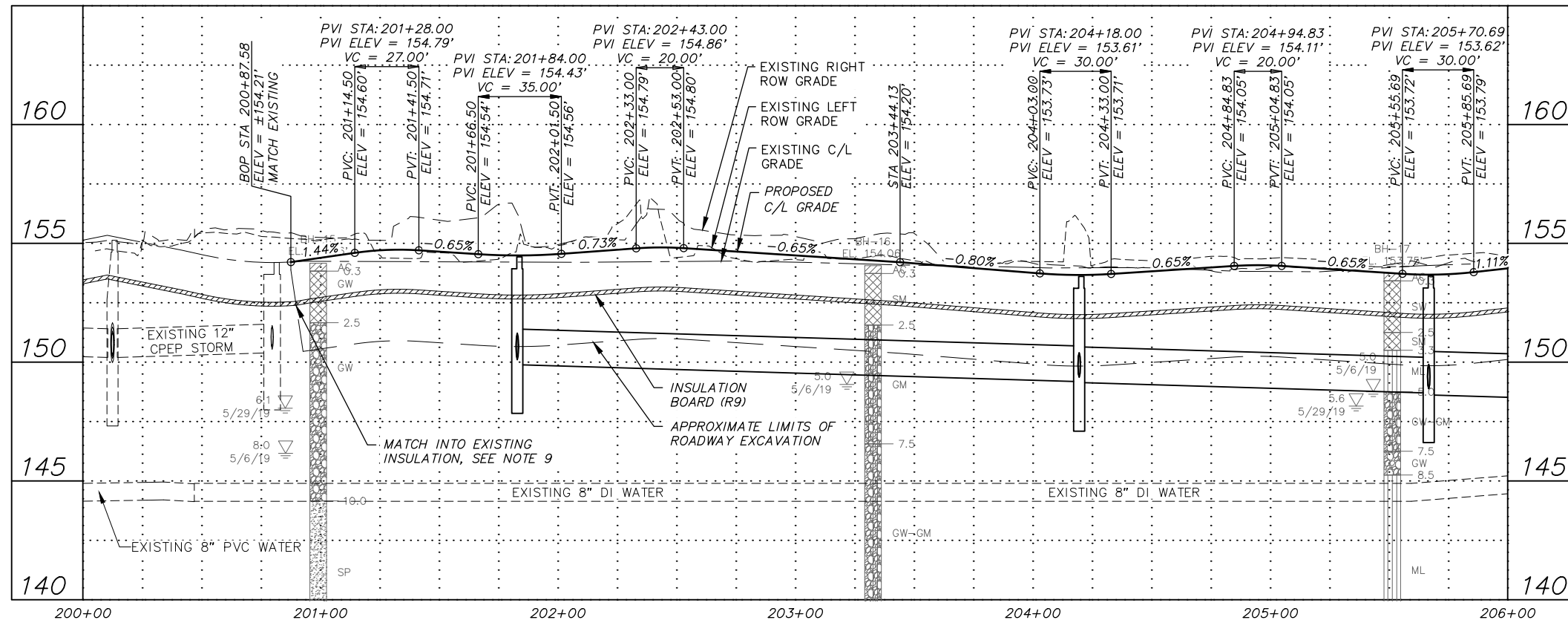
File: I:\data\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Roadway-Plan & Profile-Phase 2.dwg

BOP STA 207+87.58
MATCH EXISTING AC PAVEMENT,
15.5' LT & RT MATCH EXISTING
C&G, 23.5' LT & RT MATCH
EXISTING SIDEWALK

SEE NOTE 8, TYP
SHADED AREAS

NOTES:

1. SEE ROADWAY SUMMARY TABLE (T) SHEETS FOR DETAILED ROADWAY INFORMATION.
2. SEE DETAIL (D) SHEETS FOR ROADWAY DETAILS.
3. FOR DETAILED SOILS INFORMATION, SEE THE SPECIFICATIONS.
4. SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS AND ELEVATIONS OF STORM DRAIN PIPES & STRUCTURES.
5. SEE SURVEY CONTROL (V) SHEETS FOR PROJECT CENTERLINE ALIGNMENT DATA.
6. SEE ILLUMINATION (I) SHEETS FOR ROADWAY LIGHTING INFORMATION.
7. THE DEMOLITION ITEMS REMOVED AS SHOWN ON THE DEMOLITION (B) SHEETS ARE NOT SHOWN FOR CLARITY.
8. GRADE AREA TO DRAIN TOWARDS ROADWAY PER DETAIL 3, SHEET C4. NOTIFY ENGINEER IMMEDIATELY IF MIN 1.0% POSITIVE GRADE TOWARD ROADWAY CANNOT BE MAINTAINED. THIS WORK SHALL BE INCIDENTAL TO CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
9. REMOVE AND DISPOSE OF EXISTING INSULATION BOARD (R9) AS REQUIRED TO INSTALL STRUCTURAL SECTION. THIS WORK SHALL BE INCIDENTAL TO CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE. INSTALL PROPOSED INSULATION FLUSH WITH EXISTING INSULATION AS SHOWN IN PROFILE.

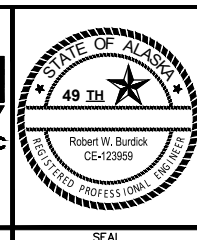
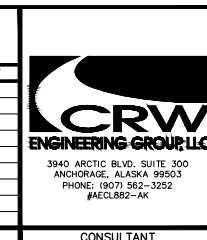


RECORD DRAWING

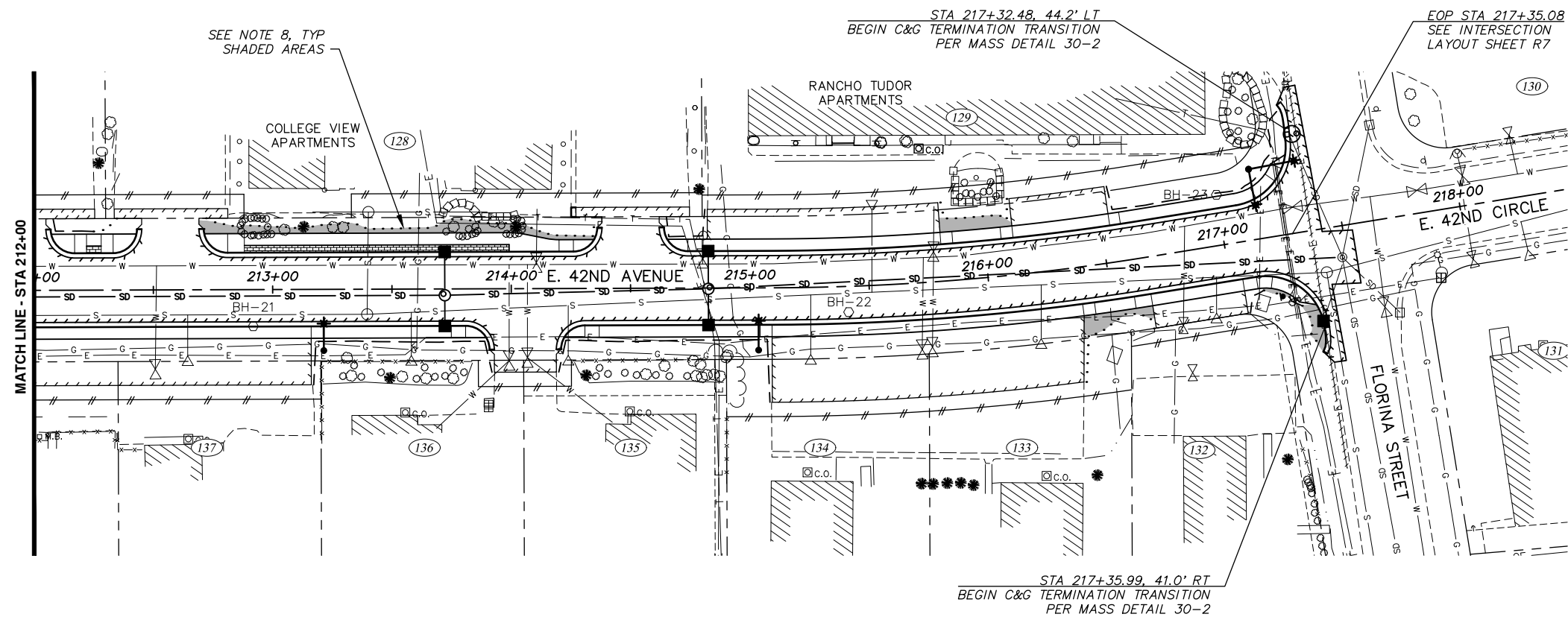
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON PERIODIC 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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

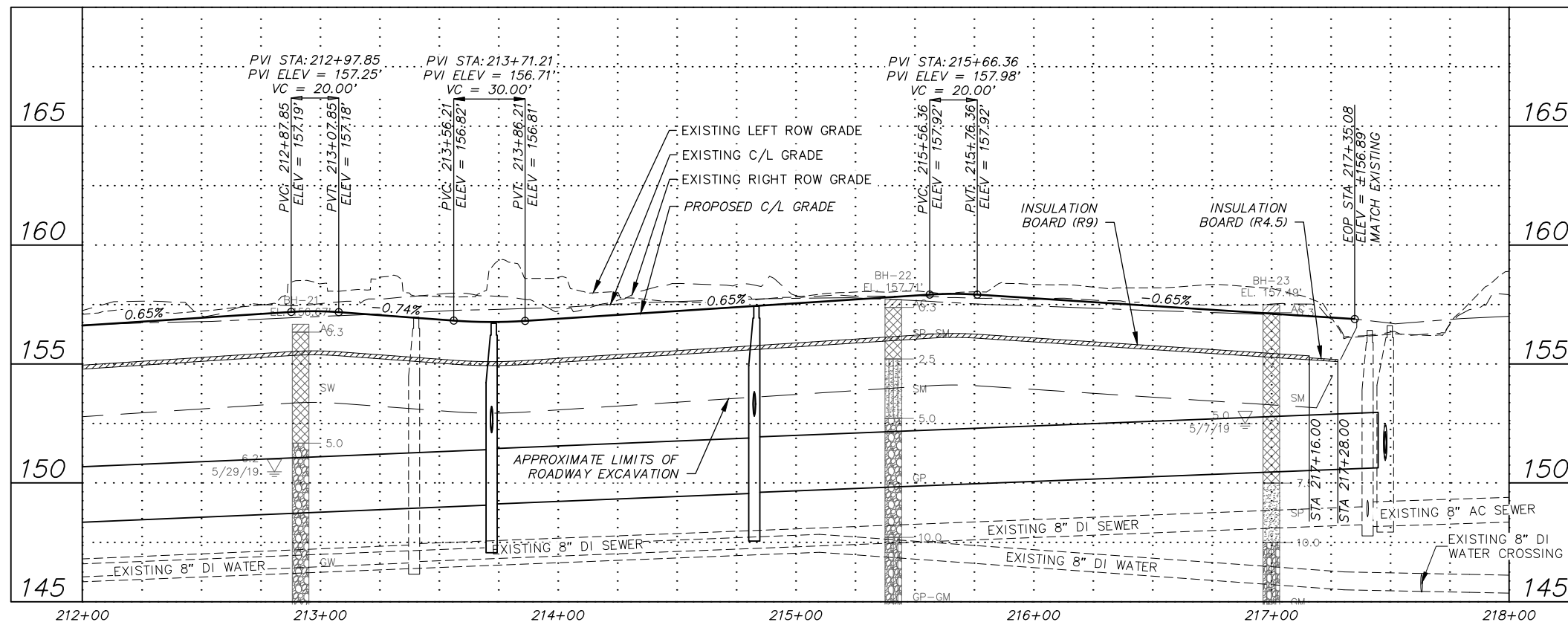
FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
GRAPHIC SCALE 60 30 0 30 60							
PLAN CHECK CONSTRUCTION RECORD VERTICAL DATUM REVISIONS CONSULTANT SEAL							







PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE — PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
ROADWAY PLAN & PROFILE			
E. 42ND AVENUE BOP TO STA 206+00			
SCALE	HOR. 1"=30' VER. 1"=3'	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET R1 of R10



- NOTES:**
1. SEE ROADWAY SUMMARY TABLE (T) SHEETS FOR DETAILED ROADWAY INFORMATION.
 2. SEE DETAIL (D) SHEETS FOR ROADWAY DETAILS.
 3. FOR DETAILED SOILS INFORMATION, SEE THE SPECIFICATIONS.
 4. SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS AND ELEVATIONS OF STORM DRAIN PIPES & STRUCTURES.
 5. SEE SURVEY CONTROL (V) SHEETS FOR PROJECT CENTERLINE ALIGNMENT DATA.
 6. SEE ILLUMINATION (I) SHEETS FOR ROADWAY LIGHTING INFORMATION.
 7. THE DEMOLITION ITEMS REMOVED AS SHOWN ON THE DEMOLITION (B) SHEETS ARE NOT SHOWN FOR CLARITY.
 8. GRADE AREA TO DRAIN TOWARDS ROADWAY PER DETAIL 3, SHEET C4. NOTIFY ENGINEER IMMEDIATELY IF MIN 1.0% POSITIVE GRADE TOWARD ROADWAY CANNOT BE MAINTAINED. THIS WORK SHALL BE INCIDENTAL TO CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.



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: _____			<table border="1"> <tr> <th>DATA</th> <th>DRAWN BY</th> <th>CHECKED BY</th> </tr> <tr> <td>BASE</td> <td>TS</td> <td>AR</td> </tr> <tr> <td>TOPOGRAPHY</td> <td>TS</td> <td>AR</td> </tr> <tr> <td>PROFILE</td> <td>RB</td> <td>EJ</td> </tr> <tr> <td>STORM SEWER</td> <td>AA</td> <td>JH</td> </tr> <tr> <td>WATER/SANITARY SEWER</td> <td>AA</td> <td>JK</td> </tr> <tr> <td>TELEPHONE</td> <td>TS</td> <td>AR</td> </tr> <tr> <td>ELECTRIC</td> <td>JH</td> <td>TK</td> </tr> <tr> <td>DESIGN</td> <td>RB</td> <td>EJ</td> </tr> <tr> <td>QUANTITIES</td> <td>RB</td> <td>JK</td> </tr> <tr> <td>PRELIMINARY/FINAL</td> <td>RB</td> <td>JK</td> </tr> <tr> <td>MUNICIPAL/STATE</td> <td>RB</td> <td>JK</td> </tr> </table>			DATA	DRAWN BY	CHECKED BY	BASE	TS	AR	TOPOGRAPHY	TS	AR	PROFILE	RB	EJ	STORM SEWER	AA	JH	WATER/SANITARY SEWER	AA	JK	TELEPHONE	TS	AR	ELECTRIC	JH	TK	DESIGN	RB	EJ	QUANTITIES	RB	JK	PRELIMINARY/FINAL	RB	JK	MUNICIPAL/STATE	RB	JK	<div style="text-align: center;">  <p>GRAPHIC SCALE</p> </div> <table border="1"> <thead> <tr> <th colspan="2">FIELD BOOKS</th> <th>BM NO.</th> <th>LOCATION</th> <th>ELEV.</th> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>DESIGN CRW BOOK No. 197, 198 & 201</td> <td>GAAB 69</td> <td>See MOA Benchmark Book, Page D-22</td> <td>162.47</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>CB 7B</td> <td>See MOA Benchmark Book, Page D-18</td> <td>161.20</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">ASBUILT</td> <td colspan="7"></td> </tr> <tr> <td colspan="2">CONTRACTOR</td> <td colspan="7"></td> </tr> <tr> <td colspan="2">INSPECTOR</td> <td colspan="7"></td> </tr> <tr> <td colspan="9" style="text-align: center;">BASIS OF THIS DATUM GAAB 1972 ADJUST</td> </tr> </tbody> </table>										FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47							CB 7B	See MOA Benchmark Book, Page D-18	161.20						ASBUILT									CONTRACTOR									INSPECTOR									BASIS OF THIS DATUM GAAB 1972 ADJUST									 <p>CRW ENGINEERING GROUP LLC 3940 ARCTIC BLVD., SUITE 300 ANCHORAGE, ALASKA 99503 PHONE: (907) 562-3222 #AELCB2-AK</p>		 <p>STATE OF ALASKA 49 TH Robert W. Burdick CE-123959 REGISTERED PROFESSIONAL ENGINEER</p>		 <p>MUNICIPALITY OF ANCHORAGE</p>		PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT 18-06 42ND AVENUE UPGRADE - PHASE 2 SCHED A PIPER STREET TO FLORINA STREET ROADWAY PLAN & PROFILE E. 42ND AVENUE STA 212+00 TO EOP			
DATA	DRAWN BY	CHECKED BY																																																																																																																										
BASE	TS	AR																																																																																																																										
TOPOGRAPHY	TS	AR																																																																																																																										
PROFILE	RB	EJ																																																																																																																										
STORM SEWER	AA	JH																																																																																																																										
WATER/SANITARY SEWER	AA	JK																																																																																																																										
TELEPHONE	TS	AR																																																																																																																										
ELECTRIC	JH	TK																																																																																																																										
DESIGN	RB	EJ																																																																																																																										
QUANTITIES	RB	JK																																																																																																																										
PRELIMINARY/FINAL	RB	JK																																																																																																																										
MUNICIPAL/STATE	RB	JK																																																																																																																										
FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY																																																																																																																				
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47																																																																																																																									
	CB 7B	See MOA Benchmark Book, Page D-18	161.20																																																																																																																									
ASBUILT																																																																																																																												
CONTRACTOR																																																																																																																												
INSPECTOR																																																																																																																												
BASIS OF THIS DATUM GAAB 1972 ADJUST																																																																																																																												
SCALE HOR. 1"=30' VER. 1"=3'		GRID SW1735 DATE AUG 2022		STATUS 65%		SHEET R3 of R10																																																																																																																						

File: I:\labData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Roadway-Plan & Profile-Sidestreets_Phase 2.dwg

STA 80+34.49, 15.2' LT & RT
END C&G TERMINATION TRANSITION
PER MASS DETAIL 30-2

STA 80+19.49
14.5' LT & 14.2' RT
MATCH EXISTING AC PAVEMENT

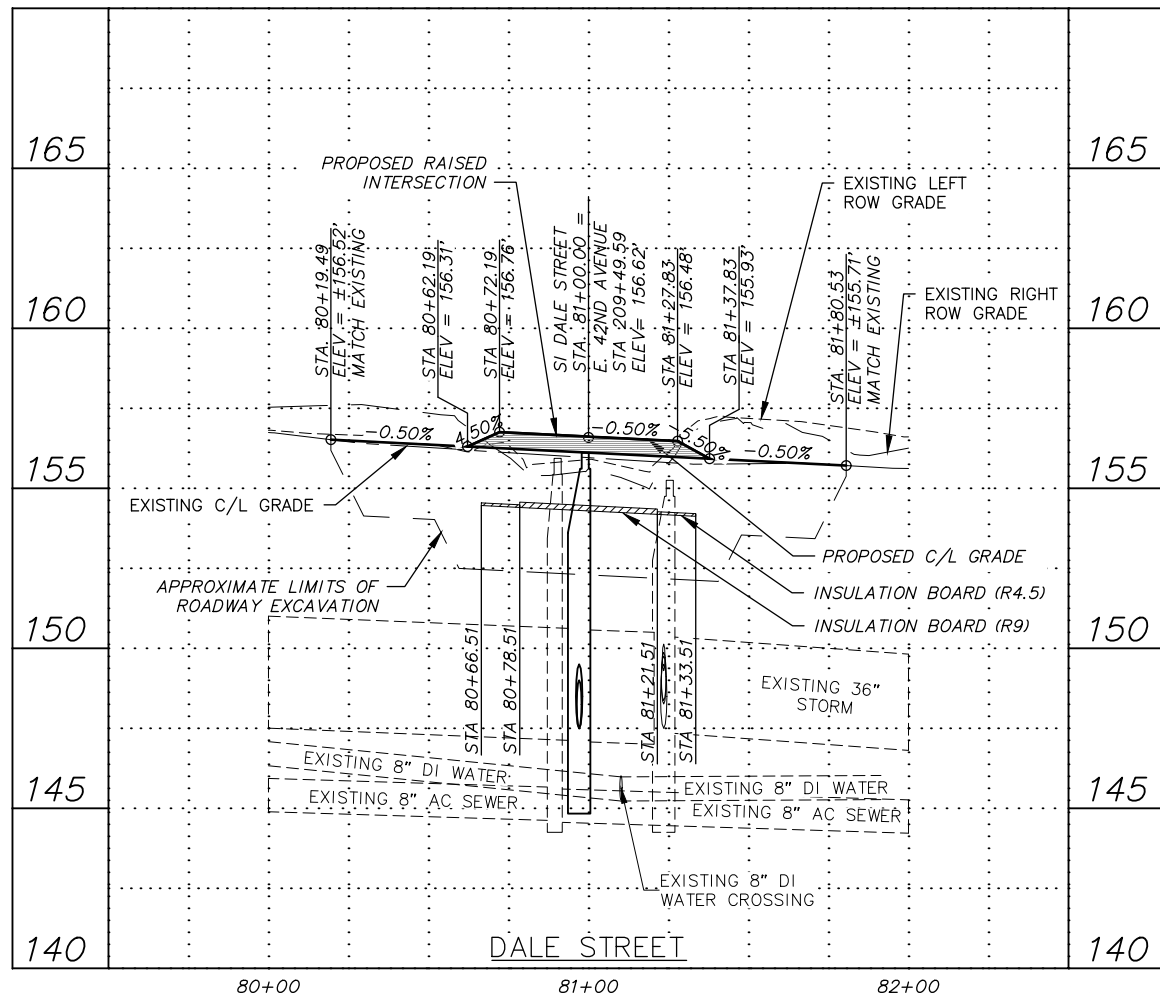
SI DALE STREET STA 81+00.00 =
E. 42ND AVENUE STA 209+49.59
SEE INTERSECTION LAYOUT SHEET R5

SEE SHEET R2

SEE NOTE 8, TYP
SHADED AREAS

STA 81+65.53, 15.2' LT & RT
BEGIN C&G TERMINATION TRANSITION
PER MASS DETAIL 30-2

STA 81+80.53
14.2' LT & 14.29 RT
MATCH EXISTING AC PAVEMENT



NOTES:

- SEE ROADWAY SUMMARY TABLE (T) SHEETS FOR DETAILED ROADWAY INFORMATION.
- SEE DETAIL (D) SHEETS FOR ROADWAY DETAILS.
- FOR DETAILED SOILS INFORMATION, SEE THE SPECIFICATIONS.
- SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS AND ELEVATIONS OF STORM DRAIN PIPES & STRUCTURES.
- SEE SURVEY CONTROL (V) SHEETS FOR PROJECT CENTERLINE ALIGNMENT DATA.
- SEE ILLUMINATION (I) SHEETS FOR ROADWAY LIGHTING INFORMATION.
- THE DEMOLITION ITEMS REMOVED AS SHOWN ON THE DEMOLITION (B) SHEETS ARE NOT SHOWN FOR CLARITY.
- GRADE AREA TO DRAIN TOWARDS ROADWAY PER DETAIL 3, SHEET C4. NOTIFY ENGINEER IMMEDIATELY IF MIN 1.0% POSITIVE GRADE TOWARD ROADWAY CANNOT BE MAINTAINED. THIS WORK SHALL BE INCIDENTAL TO CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.

RECORD DRAWING

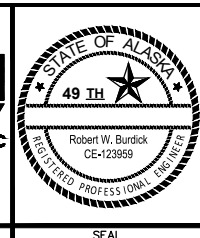
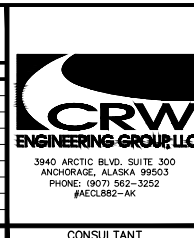
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____ DATE: _____
BY: _____

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: _____

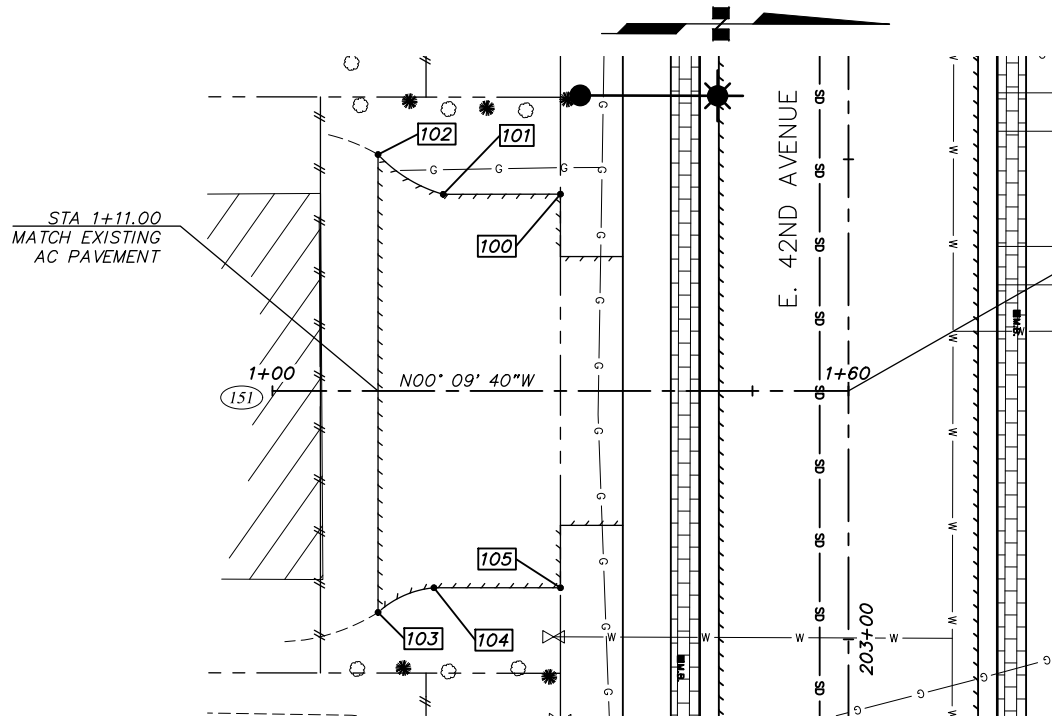
DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
& 201	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
STAKING							
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
REVISIONS							
CONSULTANT							
SEAL							

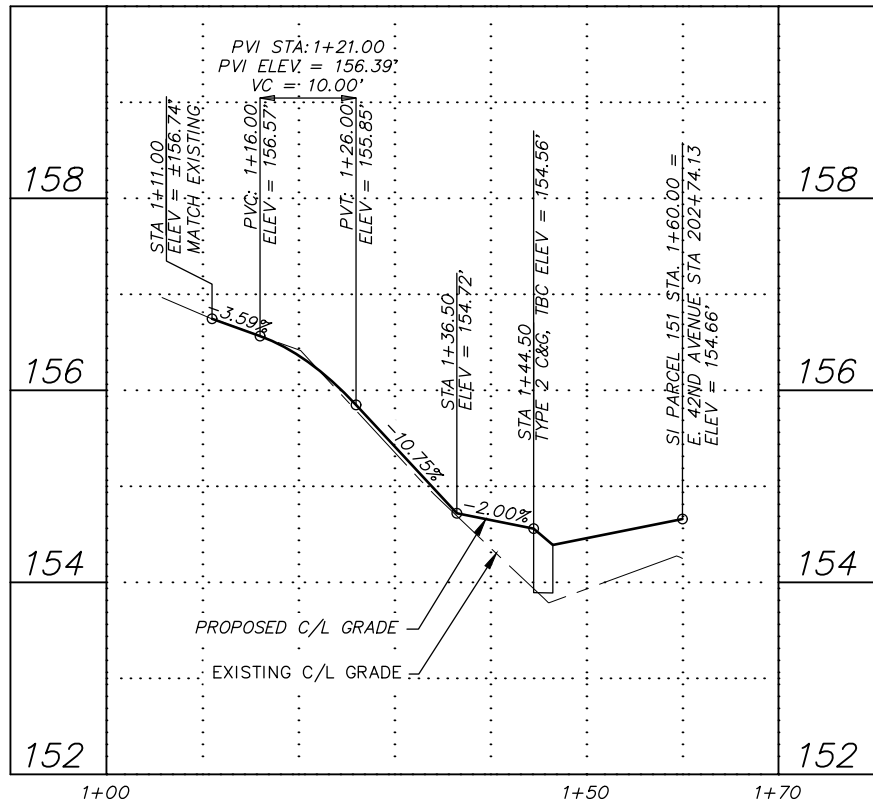


PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
ROADWAY PLAN & PROFILE			
DALE STREET			
SCALE HOR. 1"=30' VER. 1"=3'	GRID SW735 DATE AUG 2022	STATUS 65%	SHEET R4 of R10

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Driveway Plan & Profile_Phase 2.dwg



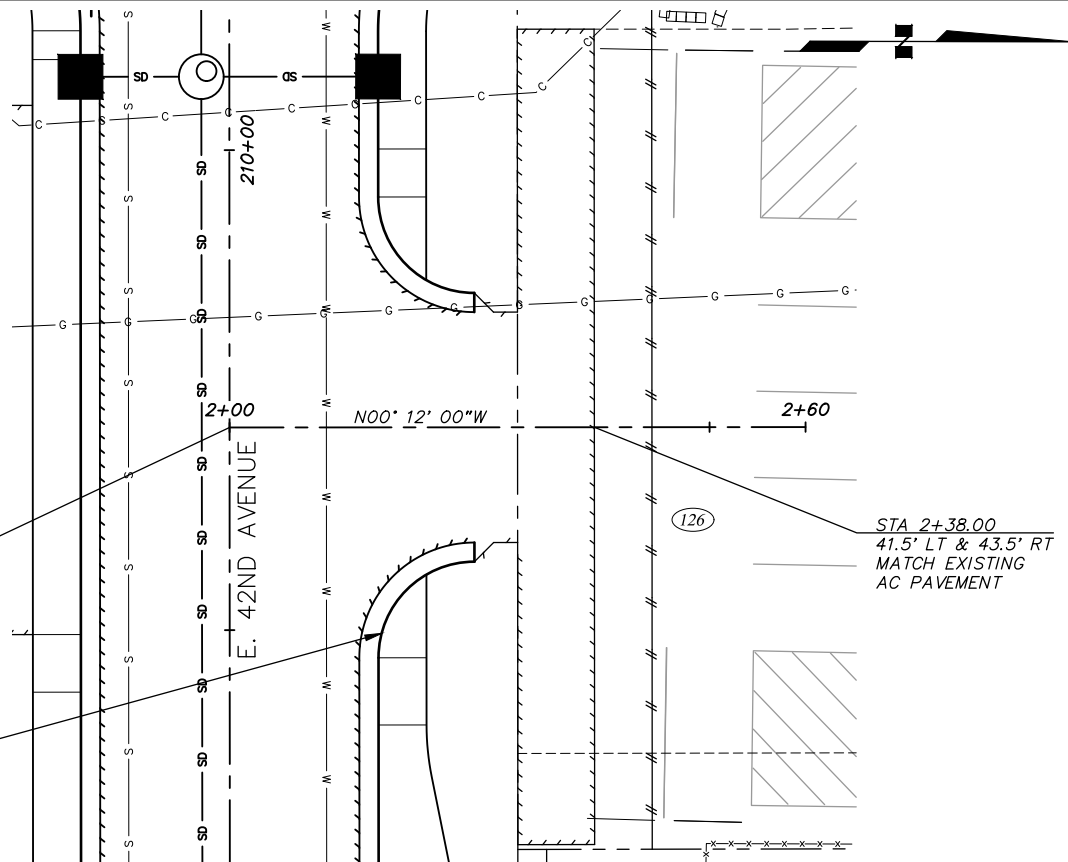
1 **PARCEL 151 DRIVEWAY**
SCALE: GRAPHIC



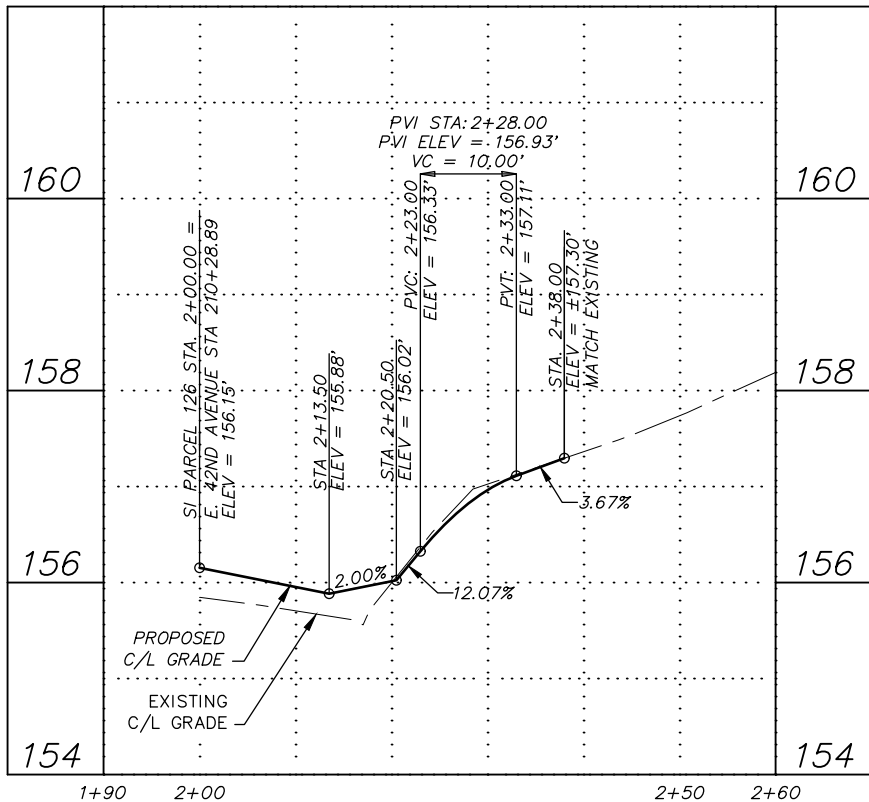
SI PARCEL 151 DRIVEWAY, STA 1+60 =
E. 42ND AVENUE STA 202+74.13

SI PARCEL 126 DRIVEWAY, STA 2+00 =
E. 42ND AVENUE STA 210+28.89

SEE SHEET R8 FOR CURB LAYOUT



2 **PARCEL 126 DRIVEWAY**
SCALE: GRAPHIC



POINT SUMMARY – PARCEL 151				
POINT	STATION	OFFSET (FT)	ELEV (FT)	DESCRIPTION
100				
101				
102				
103				
104				
105				

NOTES:

- SEE ROADWAY SUMMARY TABLE (T) SHEETS FOR DETAILED ROADWAY INFORMATION.
- SEE DETAIL (D) SHEETS FOR ROADWAY DETAILS.
- FOR DETAILED SOILS INFORMATION, SEE THE SPECIFICATIONS.
- SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS AND ELEVATIONS OF STORM DRAIN PIPES & STRUCTURES.
- SEE SURVEY CONTROL (V) SHEETS FOR PROJECT CENTERLINE ALIGNMENT DATA.
- SEE ILLUMINATION (I) SHEETS FOR ROADWAY LIGHTING INFORMATION.
- THE DEMOLITION ITEMS REMOVED AS SHOWN ON THE DEMOLITION (B) SHEETS ARE NOT SHOWN FOR CLARITY.

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.

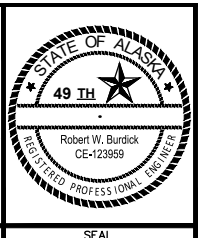
DATA TRANSFER CHECKED BY: _____ TITLE: _____

COMPANY: _____ DATE: _____

BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

GRAPHIC SCALE				
20	10	0	10	20
FIELD BOOKS				
DESIGN CRW BOOK No. 197, 198 & 201	BM NO.	LOCATION	ELEV.	REV
	GAAB 69	See MOA Benchmark Book, Page D-22	162.47	
	CB 7B	See MOA Benchmark Book, Page D-18	161.20	
BASIS OF THIS DATUM GAAB 1972 ADJUST				
ASBUILT	CONTRACTOR	INSPECTOR		
PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

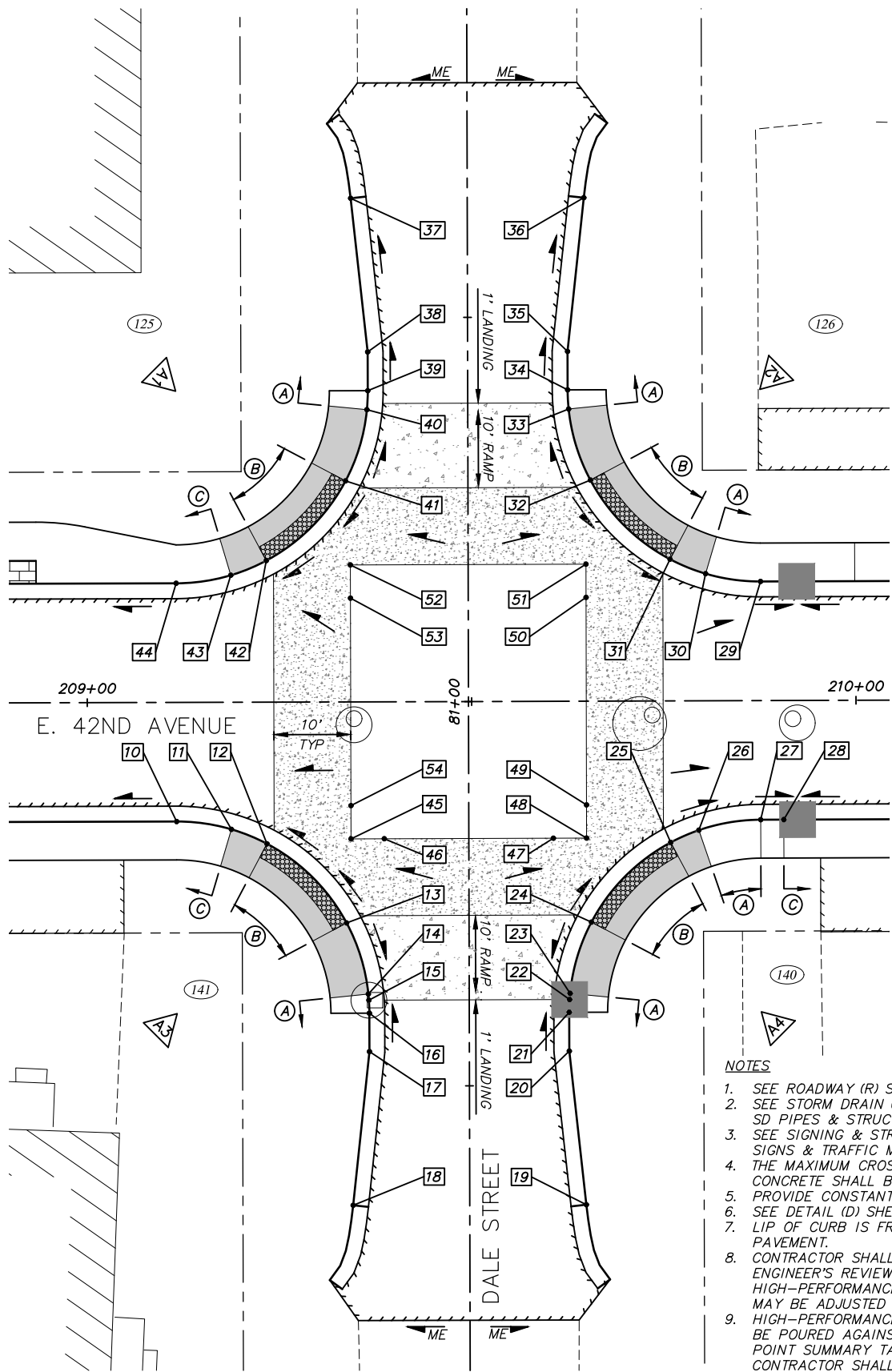
18-06 42ND AVENUE UPGRADE – PHASE 2 PIPER STREET TO FLORINA STREET SCHED A

DRIVEWAY PLAN & PROFILE

PARCEL 126 & 151

SCALE HOR. 1"=10' VER. 1"=2' GRID SW735 DATE AUG 2022 STATUS 65% SHEET R5 of R10

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Intersection Layout_Phase 2.dwg



DESIGNATION	CURB TYPE
(A)	TYPE 1 CURB
(B)	TYPE 1A CURB
(C)	TYPE 2 CURB

LEGEND	
	APPROXIMATE DIRECTION OF DRAINAGE FLOWS
	PCC CURB RAMP
	COLORLED CONCRETE (RED, 4" THICK, IMPRINTED)
	HIGH-PERFORMANCE CONCRETE (RED, 8" THICK, BROOM FINISH)
	HIGH-PERFORMANCE CONCRETE (NATURAL, 8" THICK, BROOM FINISH)
	DETECTABLE WARNING PANEL

NOTES

- SEE ROADWAY (R) SHEETS FOR ROADWAY & SIDEWALK LOCATIONS.
- SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS & ELEVATIONS OF SD PIPES & STRUCTURES.
- SEE SIGNING & STRIPING (S) SHEETS FOR LOCATIONS & TYPES OF SIGNS & TRAFFIC MARKINGS.
- THE MAXIMUM CROSS-SLOPE WITHIN THE RED HIGH-PERFORMANCE CONCRETE SHALL BE 2%, SEE NOTE 8.
- PROVIDE CONSTANT FLOWLINE BETWEEN CHANGE IN CURB TYPE.
- SEE DETAIL (D) SHEETS FOR CURB RAMP DETAILS.
- LIP OF CURB IS FRONT OF CURB AND GUTTER AT EDGE OF PAVEMENT.
- CONTRACTOR SHALL AS-BUILT SURVEY CURB RETURNS FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO POURING THE HIGH-PERFORMANCE CONCRETE. INTERSECTION LAYOUT ELEVATIONS MAY BE ADJUSTED BY ENGINEER BASED UPON AS-BUILT DATA.
- HIGH-PERFORMANCE CONCRETE FOR RAISED INTERSECTIONS SHALL BE POURED AGAINST FORMS SET TO THE ELEVATION SHOWN IN POINT SUMMARY TABLE REVISED BY ENGINEER (NOTE 8). CONTRACTOR SHALL NOT UTILIZE AC PAVEMENT (NEW OR EXISTING) AS A CONCRETE FORM.

POINT SUMMARY - E. 42ND AVENUE AT DALE STREET

POINT	STATION	OFFSET (FT)	TBC ELEV (FT)	CURB TYPE	LIP OF CURB ELEV (FT)	TOP AC ELEV (FT)	TO NEXT POINT*		DESCRIPTION
							LENGTH (FT)	SLOPE (%)	
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50									
51									
52									
53									
54									

* LENGTH & SLOPE TO NEXT POINT IS ALONG LIP OF CURB

△ CURB RADIUS TABLE

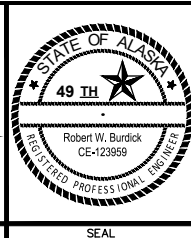
POINT	TBC RADIUS POINT		RADIUS (FT)	DESCRIPTION
	STATION	OFFSET (FT)		
A1			25.0	DALE STREET
A2			25.0	DALE STREET
A3			25.0	DALE STREET
A4			25.0	DALE STREET

RECORD DRAWING

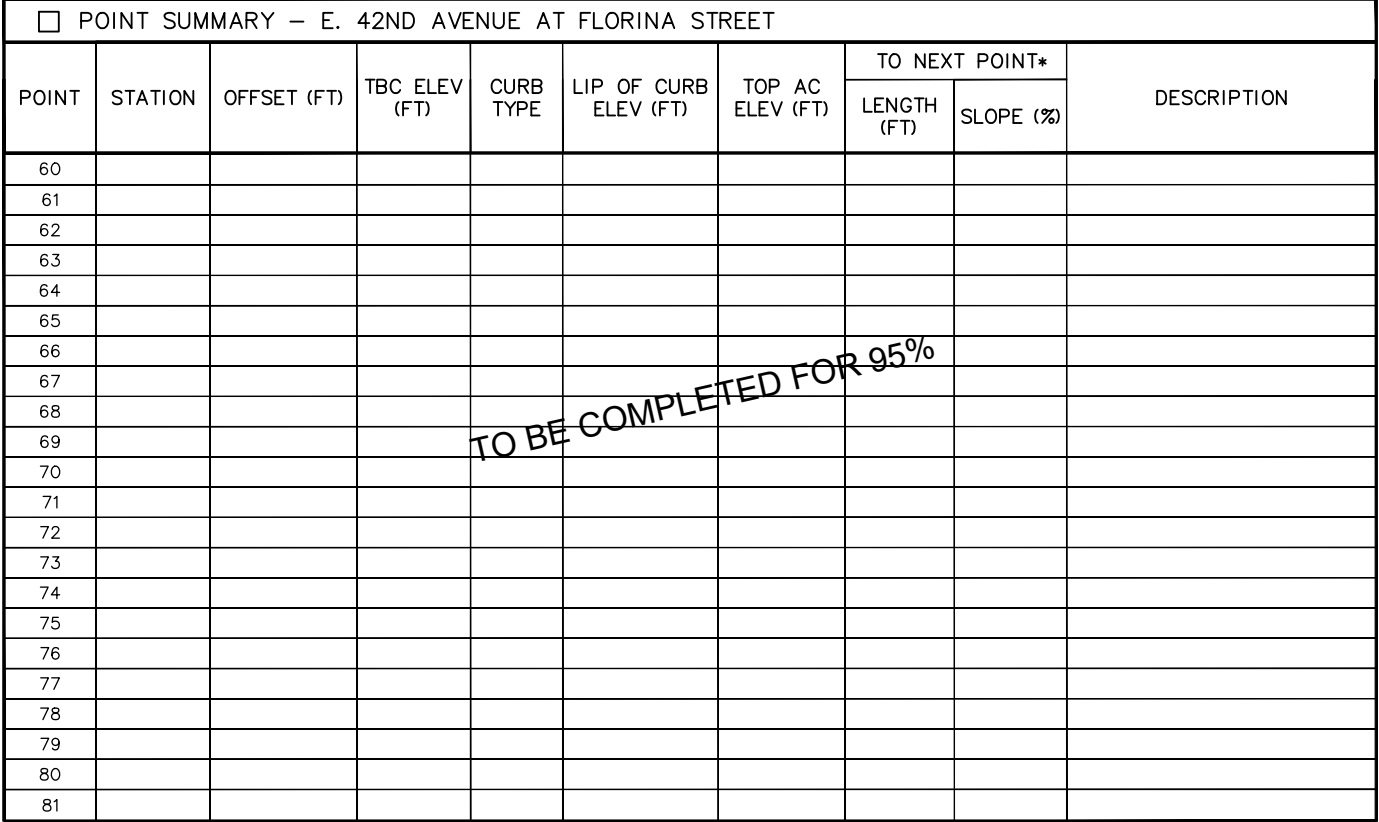
- DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____
- DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
- BASED ON PERIODIC 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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198		GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
& 201		CB 7B	See MOA Benchmark Book, Page D-18	161.20				
STAKING								
ASBUILT								
CONTRACTOR								
INSPECTOR								
BASIS OF THIS DATUM GAAB 1972 ADJUST								
PLAN CHECK								
CONSTRUCTION RECORD								
VERTICAL DATUM								
REVISIONS								
CONSULTANT								
SEAL								



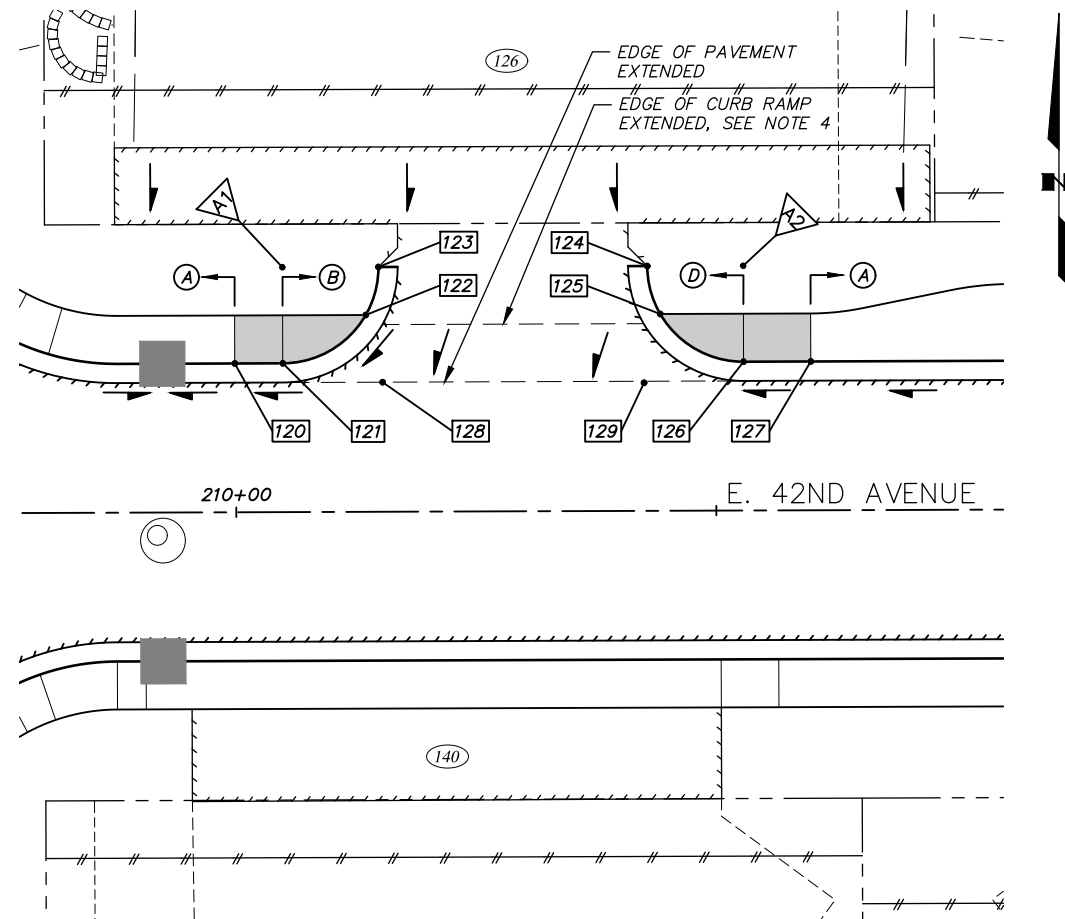
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE – PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
INTERSECTION LAYOUT			
DALE STREET			
SCALE	HOR. 1"=10' VER. N/A	GRID SW1735	R6 of R10
		DATE AUG 2022 STATUS 65%	
			SHEET



CURB RADIUS TABLE			
POINT	TBC RADIUS	RADIUS (FT)	DESCRIPTION
	STATION OFFSET		
A1		25.0	FLORINA STREET
A2		25.0	FLORINA STREET

DESIGNATION	CURB TYPE
(A)	TYPE 1 CURB
(B)	TYPE 1A CURB

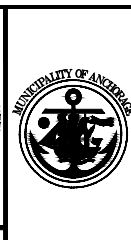
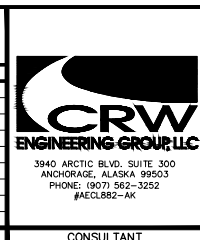
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
INTERSECTION LAYOUT			
FLORINA STREET			
SCALE	HOR. 1"=10' VER. N/A	GRID SW1735 DATE AUG 2022 STATUS 65%	R7 of SHEET R10

[illegible]

CURB RADIUS TABLE				
POINT	TBC RADIUS POINT		RADIUS FEET	DESCRIPTION
	STATION	OFFSET (FT)		
A1			10.0	PARCEL 126
A2			10.0	PARCEL 126

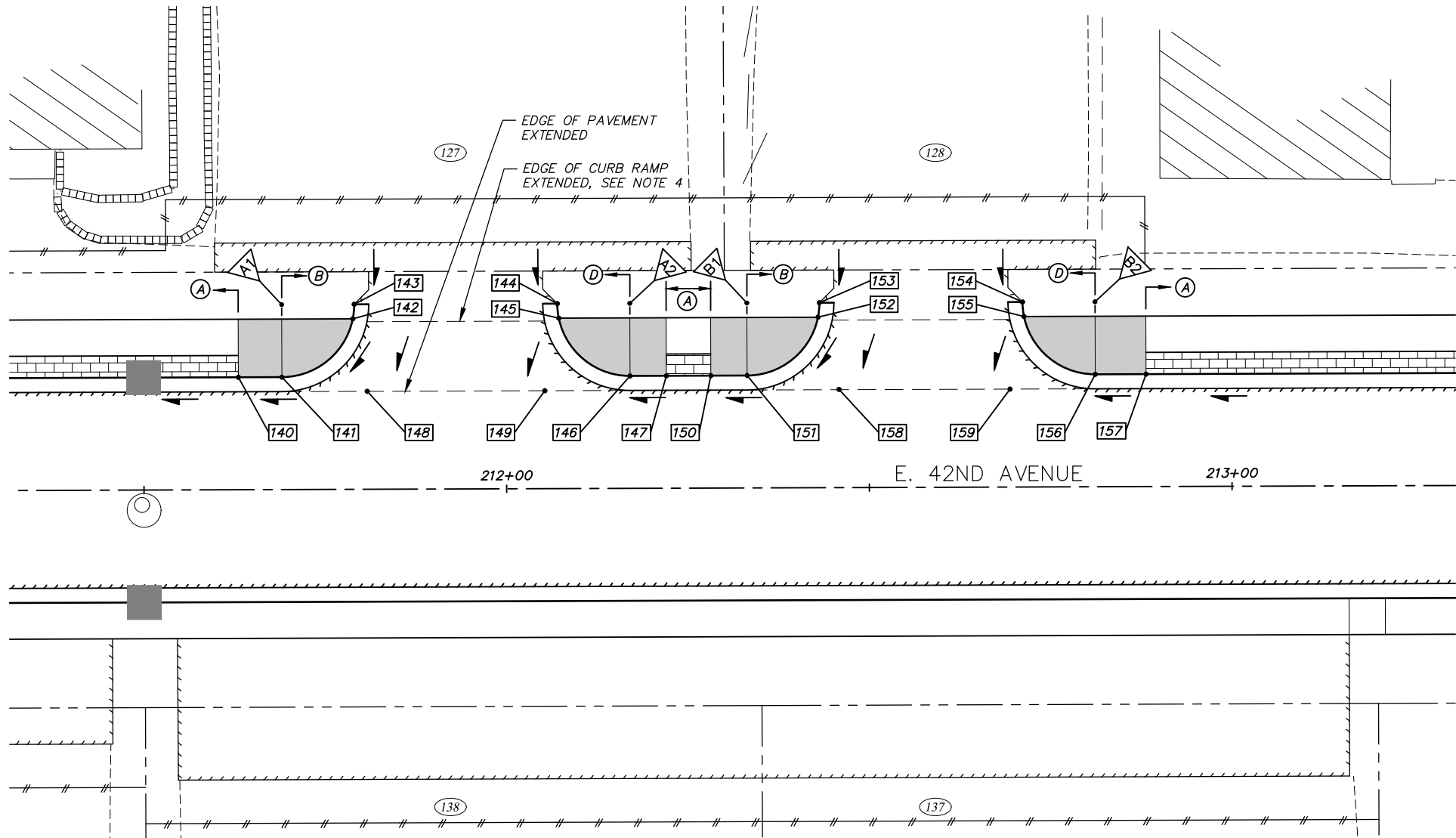
DESIGNATION	CURB TYPE
(A)	TYPE 1 CURB
(B)	TYPE 1A CURB
(D)	TYPE 3A CURB

DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TJ
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE — PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
DRIVEWAY LAYOUT			
PARCEL 126 & PARCEL 154			
SCALE	HOR. 1"=10' VER. N/A	GRID SW1735 DATE AUG 2022	R8 of R10 SHEET 65%

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Driveway Layout_Phase 2.dwg



NOTES

1. SEE ROADWAY (R) SHEETS FOR ROADWAY & SIDEWALK LOCATIONS.
2. SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS & ELEVATIONS OF SD PIPES & STRUCTURES.
3. SEE SIGNING & STRIPING (S) SHEETS FOR LOCATIONS & TYPES OF SIGNS & TRAFFIC MARKINGS.
4. THE MAXIMUM CROSS-SLOPE BETWEEN EDGE OF PAVEMENT EXTENDED AND EDGE OF CURB RAMP EXTENDED SHALL BE 2%. IF A 2% CROSS-SLOPE CANNOT BE MAINTAINED NOTIFY ENGINEER PRIOR TO INSTALLATION OF AC PAVEMENT.
5. PROVIDE CONSTANT FLOWLINE BETWEEN CHANGE IN CURB TYPE.
6. SEE DETAIL (D) SHEETS FOR CURB RAMP DETAILS.
7. LIP OF CURB IS FRONT OF CURB AND GUTTER AT EDGE OF PAVEMENT.

LEGEND

- ➔ APPROXIMATE DIRECTION OF DRAINAGE FLOWS
- PCC CURB RAMP
- ▤ COLORED CONCRETE (RED, 6" THICK, IMPRINTED)

DESIGNATION CURB TYPE

- (A) TYPE 1 CURB
- (B) TYPE 1A CURB
- (D) TYPE 3A CURB

△ CURB RADIUS TABLE				
POINT	TBC RADIUS POINT		RADIUS (FT)	DESCRIPTION
	STATION	OFFSET (FT)		
A1			10.0	PARCEL 127
A2			10.0	PARCEL 127
B1			10.0	PARCEL 128 WEST
B2			10.0	PARCEL 128 WEST

POINT SUMMARY – PARCEL 127

POINT	STATION	OFFSET (FT)	TBC ELEV (FT)	CURB TYPE	LIP OF CURB ELEV (FT)	TOP AC ELEV (FT)	TO NEXT POINT*		DESCRIPTION
							LENGTH (FT)	SLOPE (%)	
140									
141									
142									
143									
144									
145									
146									
147									
148									
149									

* LENGTH & SLOPE TO NEXT POINT IS ALONG LIP OF CURB

POINT SUMMARY – PARCEL 128 WEST

POINT	STATION	OFFSET (FT)	TBC ELEV (FT)	CURB TYPE	LIP OF CURB ELEV (FT)	TOP AC ELEV (FT)	TO NEXT POINT*		DESCRIPTION
							LENGTH (FT)	SLOPE (%)	
150									
151									
152									
153									
154									
155									
156									
157									
158									
159									

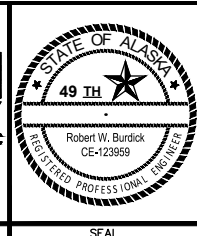
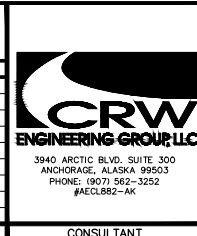
* LENGTH & SLOPE TO NEXT POINT IS ALONG LIP OF CURB

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: _____

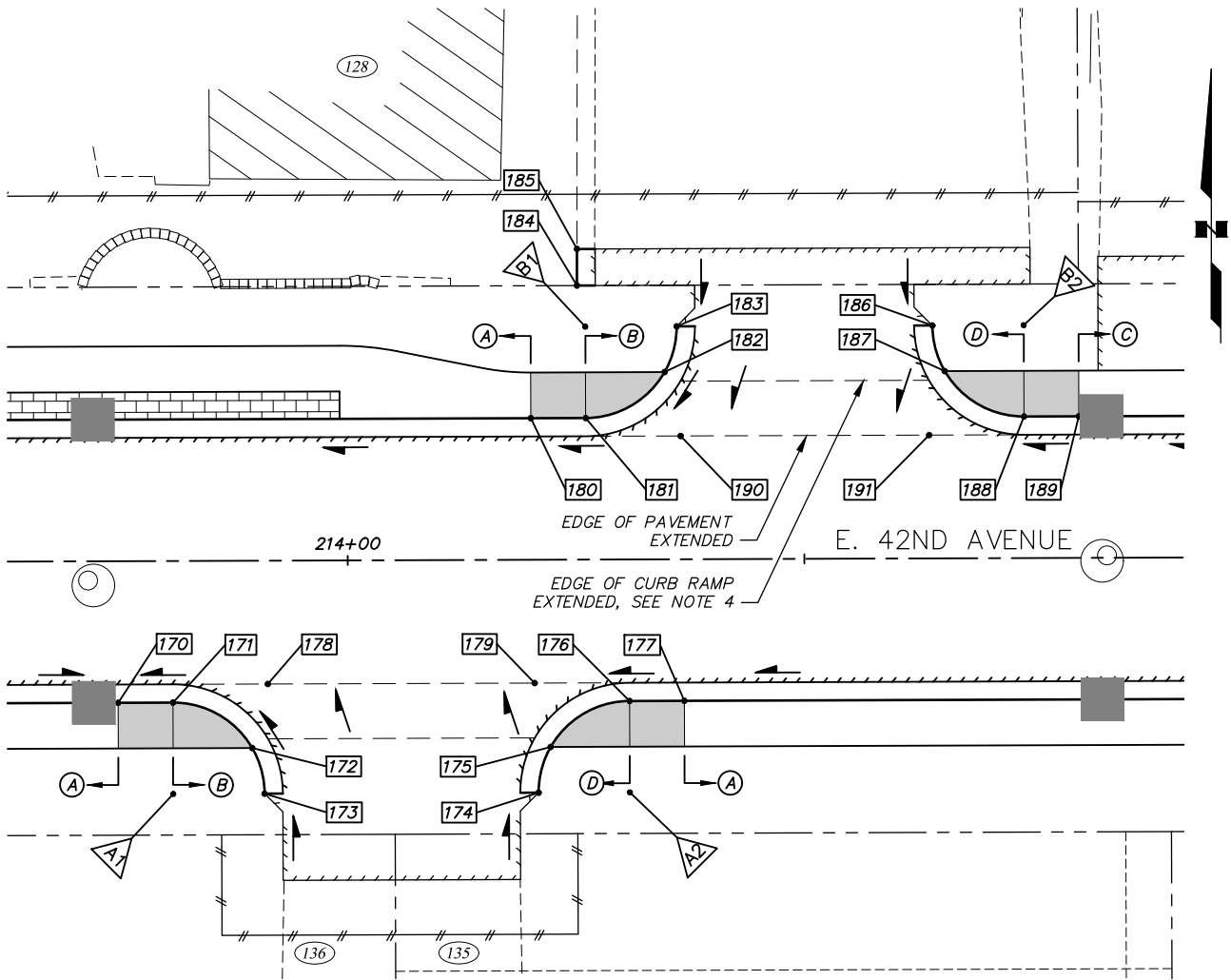
DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

<div>GRAPHIC</div> <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></</div></div>									
--	--	--	--	--	--	--	--	--	--



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE – PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
DRIVEWAY LAYOUT			
PARCEL 127 & PARCEL 128 WEST			
SCALE	HOR. 1"=10' VER. N/A	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET
			R9 of R10

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Driveway Layout_Phase 2.dwg



NOTES

- SEE ROADWAY (R) SHEETS FOR ROADWAY & SIDEWALK LOCATIONS.
- SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS & ELEVATIONS OF SD PIPES & STRUCTURES.
- SEE SIGNING & STRIPING (S) SHEETS FOR LOCATIONS & TYPES OF SIGNS & TRAFFIC MARKINGS.
- THE MAXIMUM CROSS-SLOPE BETWEEN EDGE OF PAVEMENT EXTENDED AND EDGE OF CURB RAMP EXTENDED SHALL BE 2%. IF A 2% CROSS-SLOPE CANNOT BE MAINTAINED NOTIFY ENGINEER PRIOR TO INSTALLATION OF AC PAVEMENT.
- PROVIDE CONSTANT FLOWLINE BETWEEN CHANGE IN CURB TYPE.
- SEE DETAIL (D) SHEETS FOR CURB RAMP DETAILS.
- LIP OF CURB IS FRONT OF CURB AND GUTTER AT EDGE OF PAVEMENT.

LEGEND

- APPROXIMATE DIRECTION OF DRAINAGE FLOWS
- PCC CURB RAMP
- COLORED CONCRETE (RED, 4" THICK, IMPRINTED)

DESIGNATION CURB TYPE

- (A) TYPE 1 CURB
- (B) TYPE 1A CURB
- (C) TYPE 2 CURB
- (D) TYPE 3A CURB

RECORD DRAWING

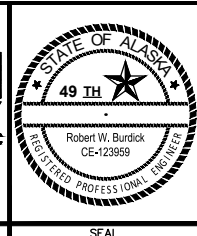
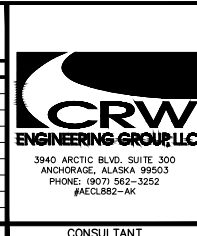
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS				BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201				GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING				CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT										
CONTRACTOR										
INSPECTOR										
BASIS OF THIS DATUM GAAB 1972 ADJUST										
PLAN CHECK										
CONSTRUCTION RECORD										
VERTICAL DATUM										
REVISIONS										
CONSULTANT										



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT					
18-06		42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A	
DRIVEWAY LAYOUT					
PARCEL 128 EAST & PARCEL 135/136					
SCALE		HOR. 1"=10' VER. N/A		GRID SW1735	
		DATE AUG 2022		STATUS 65%	
				SHEET	
				R10 of R10	

SHEET	PARCEL	CENTERLINE REFERENCE		DRIVEWAY WIDTH AT SIDEWALK OR EDGE OF PAVEMENT (FT)	DRIVEWAY WIDTH AT ROW (FT)	CURB CUT TYPE	CURB RETURN RADII (FT)	SKEW ANGLE (DEGREES)	LANDING LENGTH (FT)	LANDING GRADE	TOTAL DISTANCE (FT)	EXISTING GRADE	PROPOSED GRADE	SURFACE TYPE ON PROPERTY	L1 (FT)	L2 (FT)	CONSTRUCT PER DETAIL	REMARKS
		STATION	OFFSET															
R1	154	201+00.8	RT	18	—	2	N/A	90	8.0	2.0%	28.7	9.4%	9.5%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	SEE DRIVEWAY LAYOUT SHEET R8
R1	153	201+23.8	RT	12	12	2	N/A	90	8.0	1.5%	16.0	10.4%	7.6%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	113 WEST	201+33.9	LT	16	16	2	N/A	−90	8.0	1.5%	31.3	3.6%	1.4%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	113 EAST	201+66.6	LT	16	16	2	N/A	−90	8.0	1.5%	26.4	2.0%	1.5%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	114	201+97.7	LT	24	24	2	N/A	−90	8.0	1.5%	14.5	5.7%	3.3%	GRAVEL	4.0	4.0	DETAIL 2, SHEET D3	
R1	152	202+08.1	RT	40	40	2	N/A	90	8.0	1.5%	22.2	8.7%	8.5%	GRAVEL	N/A	N/A	DETAIL 2, SHEET D3	
R1	115	202+53.1	LT	12	9	4	N/A	−90	8.0	1.0%	36.9	3.1%	1.0%	PAVERS	N/A	N/A	DETAIL 2, SHEET D3	
R1	151	202+74.1	RT	28	41	2	N/A	90	8.0	2.0%	33.5	10.8%	VARIES	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	SEE DRIVEWAY PLAN & PROFILE SHEET R5
R1	150	203+15.1	RT	11	11	2	N/A	90	8.0	1.5%	21.5	9.5%	8.9%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	116	203+33.5	LT	40	40	2	N/A	−90	8.0	1.5%	22.0	6.6%	3.0%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	149	203+76.1	RT	21	21	2	N/A	90	8.0	1.5%	16.0	2.7%	2.0%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	117	204+02.7	LT	20	20	2	N/A	−90	8.0	1.5%	22.3	4.5%	4.8%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	148 WEST	204+33.7	RT	19	19	2	N/A	90	8.0	1.5%	14.5	2.4%	4.2%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	118	204+56.5	LT	45	45	2	N/A	−90	8.0	1.5%	22.3	4.2%	5.1%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	148 EAST	204+76.9	RT	15.5	15.5	4	N/A	90	8.0	1.5%	24.3	3.2%	1.9%	ASPHALT	4.0	N/A	DETAIL 2, SHEET D3	SHARED CURB CUT WITH PARCEL 147 WEST
R1	147 WEST	204+94.2	RT	18.5	18.5	4	N/A	90	8.0	1.5%	24.3	2.8%	1.6%	ASPHALT	N/A	4.0	DETAIL 2, SHEET D3	SHARED CURB CUT WITH PARCEL 148 EAST
R1	119	205+07.4	LT	41	41	2	N/A	−90	8.0	1.5%	14.5	6.9%	5.2%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	147 EAST	205+37.7	RT	10	10	2	N/A	90	8.0	1.5%	14.5	5.7%	2.4%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	120	205+52.3	LT	15.5	15.5	2	N/A	−90	8.0	1.5%	14.5	3.4%	4.0%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R1	146	205+93.3	RT	18	18	2	N/A	90	8.0	1.5%	23.2	3.0%	4.1%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	121	206+34.8	LT	56	56	2	N/A	−90	8.0	1.5%	21.3	5.6%	7.0%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	145	206+49.5	RT	21	21	2	N/A	90	8.0	1.5%	14.5	5.3%	4.1%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	144	206+95.3	RT	46	46	2	N/A	90	8.0	1.5%	22.0	3.1%	2.0%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	122	207+06.5	LT	32	32	2	N/A	−90	8.0	1.5%	22.9	6.9%	8.6%	GRAVEL	N/A	N/A	DETAIL 2, SHEET D3	
R2	143	207+29.9	RT	13	13	2	N/A	90	8.0	1.5%	14.5	3.3%	3.0%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	123	207+53.5	LT	28	37.5	2	N/A	−90	8.0	1.5%	14.5	4.4%	6.1%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	142	207+91.3	RT	12.5	12.5	2	N/A	90	8.0	1.5%	14.5	3.4%	3.6%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	124	208+12.9	LT	28	63.5	2	N/A	−90	8.0	1.5%	14.5	7.4%	5.8%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	125	208+66.1	LT	19	19	2	N/A	−90	8.0	2.0%	22.8	7.1%	8.3%	ASPHALT	N/A	N/A	DETAIL 2, SHEET D3	
R2	141	208+83.7	RT	42	42	2	N/A	90	5.0	1.5%	14.5	6.3%	5.1%	ASPHALT	N/A	N/A	DETAIL 1, SHEET D3	
R2	140	210+22.9	RT	55	55	2	N/A	90	5.0	1.5%	14.5	5.3%	2.8%	ASPHALT	3.0	6.0	DETAIL 1, SHEET D3	
R2	126	210+28.9	LT	24	85	N/A	10	−90	6.0	2.0%	24.5	12.5%	VARIES	ASPHALT	N/A	N/A	DETAIL 3, SHEET D3	SEE DRIVEWAY PLAN & PROFILE SHEET R5 AND DRIVEWAY LAYOUT SHEET R8
R2	139	211+17.9	RT	54.5	54.5	2	N/A	90	5.0	1.5%	19.5	4.7%	3.8%	ASPHALT	6.0	N/A	DETAIL 1, SHEET D3	
R2	127	211+93.1	LT	24	66	N/A	10	−90	9.6	2.0%	20.5	7.1%	5.1%	ASPHALT	N/A	N/A	DETAIL 3, SHEET D3	SEE DRIVEWAY LAYOUT SHEET R9
R2	138	211+94.9	RT	80.5	80.5	2	N/A	90	5.0	1.5%	24.5	8.2%	6.8%	ASPHALT	N/A	N/A	DETAIL 1, SHEET D3	
R3	128 WEST	212+57.2	LT	24	48	N/A	10	−90	9.6	2.0%	20.5	4.6%	4.8%	ASPHALT	N/A	N/A	DETAIL 3, SHEET D3	SEE DRIVEWAY LAYOUT SHEET R9
R3	137	212+75.7	RT	81	81	2	N/A	90	5.0	1.5%	24.5	5.0%	4.9%	ASPHALT	N/A	5.0	DETAIL 1, SHEET D3	
R3	135 / 136	214+05.8	RT	26	26	N/A	10	90	6.0	2.0%	21.5	0.9%	3.7%	ASPHALT	N/A	N/A	DETAIL 3, SHEET D3	SEE DRIVEWAY LAYOUT SHEET R10
R3	128 EAST	214+50.1	LT	24	48	N/A	10	−90	6.0	2.0%	20.5	0.8%	5.0%	ASPHALT	N/A	N/A	DETAIL 3, SHEET D3	SEE DRIVEWAY LAYOUT SHEET R10
R3	129 WEST	215+31.6	LT	97	97	2	N/A	−90	5.0	1.5%	17.5	2.9%	3.2%	ASPHALT	N/A	5.0	DETAIL 1, SHEET D3	
R3	134	215+41.1	RT	66	66	2	N/A	90	5.0	1.5%	32.5	1.5%	1.2%	ASPHALT	5.0	N/A	DETAIL 1, SHEET D3	
R3	133	216+03.2	RT	65	65	2	N/A	90	5.0	1.5%	32.5	2.8%	1.8%	ASPHALT	N/A	5.0	DETAIL 1, SHEET D3	
R3	129 EAST	216+32.9	LT	40	40	2	N/A	−90	5.0		16.5	8.1%	6.1%	ASPHALT	5.0	5.0	DETAIL 1, SHEET D3	
R3	132	216+84.2	RT	39	39	2	N/A	90	5.0	1.5%	14.5	3.2%	2.9%	ASPHALT	7.0	5.7	DETAIL 1, SHEET D3	

1. BEGIN TRANSITION TO EXISTING DRIVEWAY WIDTH AT ROW LINE.
2. "LANDING LENGTH" BEGINS AT THE BACK OF CURB & GUTTER OR LIP OF CURB EXTENDED (IF THERE IS NO CURB & GUTTER).
3. "LANDING GRADE" IS THE GRADE OF THE LANDING FROM THE BACK OF CURB & GUTTER OR LIP OF CURB EXTENDED (IF THERE IS NO CURB & GUTTER) TO THE END OF LANDING.
4. "SKEW ANGLE" ("+" IS CLOCKWISE AND "-" IS COUNTER CLOCKWISE) IS MEASURED FROM PROJECT CENTERLINE WITH 0 DEGREES ALIGNED ALONG INCREASING STATIONS.
5. "TOTAL DISTANCE" IS THE LIMIT OF RECONSTRUCTION BEGINNING AT THE BACK OF CURB & GUTTER OR LIP OF CURB & GUTTER EXTENDED (IF THERE IS NOT CURB & GUTTER).
6. "PROPOSED GRADE" IS APPROXIMATE GRADE FROM THE END OF THE LANDING TO THE LIMIT OF RECONSTRUCTION. ACTUAL CONSTRUCTION GRADE MAY VARY.

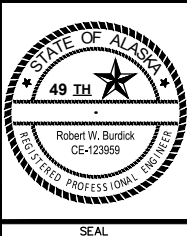
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION
OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK
PLAN CHECK		

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201		GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING		CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT								
CONTRACTOR		BASIS OF THIS DATUM GAAB 1972 ADJUST						
INSPECTOR								
CONSTRUCTION RECORD		VERTICAL DATUM			REVISIONS			



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT				
18-06		42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
ROADWAY SUMMARY TABLES				
SCALE	HOR. N/A VER. N/A	GRID SW1735		T ₁ of T ₃
		DATE AUG 2022	STATUS 65%	
		SHEET		

30.02

P.C.C. CURB AND GUTTER (ALL TYPES)

SHEET	STATION TO STATION	OFFSET (FT)	LENGTH (FT)	REMARKS
R1	BOP TO 206+00	LT	513	
R1	BOP TO 206+00	RT	513	
R2	206+00 TO 212+00	LT	571	INCLUDES DALE STREET CURB RETURN & DRIVEWAYS
R2	206+00 TO 212+00	RT	603	INCLUDES DALE STREET CURB RETURN & DRIVEWAYS
R3	212+00 TO EOP	LT	526	INCLUDES DRIVEWAYS
R3	212+00 TO EOP	RT	545	INCLUDES DRIVEWAYS
R4	80+25 TO 80+34	LT	10	DALE STREET
R4	80+25 TO 80+34	RT	10	DALE STREET
R4	80+54 TO 50+59	LT	5	DALE STREET
R4	80+54 TO 50+59	RT	5	DALE STREET
R4	81+41 TO 81+46	LT	5	DALE STREET
R4	81+41 TO 81+46	RT	5	DALE STREET
R4	81+66 TO 81+75	LT	10	DALE STREET
R4	81+66 TO 81+75	RT	10	DALE STREET

PCC CURB & GUTTER (ALL TYPES) NOTES:

1. SEE INTERSECTION LAYOUT SHEETS AND DRIVEWAY RECONSTRUCTION SHEETS R6-R10 FOR LOCATIONS AND TYPES OF CURB AND GUTTER.
2. SEE 20.28 RECONSTRUCT DRIVEWAY TABLE FOR LOCATIONS OF DRIVEWAY CURB CUTS.

30.02

P.C.C. CURB AND GUTTER (TYPE 1, STEEL CURB FACING)

SHEET	STATION TO STATION	OFFSET (FT)	LENGTH (FT)	REMARKS
R4	80+34 TO 80+54	LT	20	DALE STREET
R4	80+34 TO 80+54	RT	20	DALE STREET
R4	81+46 TO 81+66	LT	20	DALE STREET
R4	81+46 TO 81+66	RT	20	DALE STREET

P.C.C. CURB AND GUTTER (TYPE 1, STEEL CURB FACING) NOTES:

1. SEE DETAIL 1, SHEET D2 FOR STEEL CURB FACING DETAIL.

30.04

P.C.C. CURB RAMP (6" THICK) & DETECTABLE WARNINGS

SHEET	APPX STATION	OFFSET (FT)	CURB RAMP AREA (SY)	DETECTABLE WARNING AREA (SF)	CURB RAMP TYPE	REMARKS
R2	209+29	22.8 LT	15	28	PARALLEL	DALE STREET
R2	209+29	22.8 RT	15	28	PARALLEL	DALE STREET
R2	209+70	22.8 LT	15	28	PARALLEL	DALE STREET
R2	209+70	22.8 RT	14	28	PARALLEL	DALE STREET
R2	210+10	16.8 LT	6	0	UNIDIRECTIONAL	PARCEL 126
R2	210+48	16.8 LT	7	0	UNIDIRECTIONAL	PARCEL 126
R2	211+75	17.8 LT	12	0	UNIDIRECTIONAL	PARCEL 127
R3	212+11	17.8 LT	11	0	UNIDIRECTIONAL	PARCEL 127
R3	212+40	17.8 LT	11	0	UNIDIRECTIONAL	PARCEL 128 WEST
R3	212+75	17.8 LT	13	0	UNIDIRECTIONAL	PARCEL 128 WEST
R3	213+86	16.8 RT	7	0	UNIDIRECTIONAL	PARCEL 135/136
R3	214+26	16.8 RT	7	0	UNIDIRECTIONAL	PARCEL 135/136
R3	214+31	16.8 LT	7	0	UNIDIRECTIONAL	PARCEL 128 EAST
R3	214+69	16.8 LT	7	0	UNIDIRECTIONAL	PARCEL 128 EAST
R3	217+27	25.2 LT	10	11	PARALLEL	FLORINA STREET
R3	217+29	23.5 RT	10	11	PARALLEL	FLORINA STREET

RECORD DRAWING

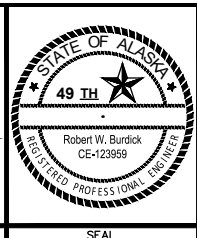
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION
OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____
BY: _____ TITLE: _____ DATE: _____

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN GRW BOOK No. 197, 198 & 201	GAAB 69 CB 7B	See MOA Benchmark Book, Page D-22 See MOA Benchmark Book, Page D-18	162.47 161.20				
STAKING							
ASBUILT							
CONTRACTOR	BASIS OF THIS DATUM GAAB 1972 ADJUST						
INSPECTOR							
CONSTRUCTION RECORD	VERTICAL DATUM			REVISIONS			



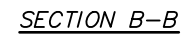
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT				
18-06		42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
ROADWAY SUMMARY TABLES				
SCALE	HOR. N/A	GRID SW1735		T2 of T3
	VER. N/A	DATE AUG. 2022	STATUS 65%	
				SHEET

[illegible]

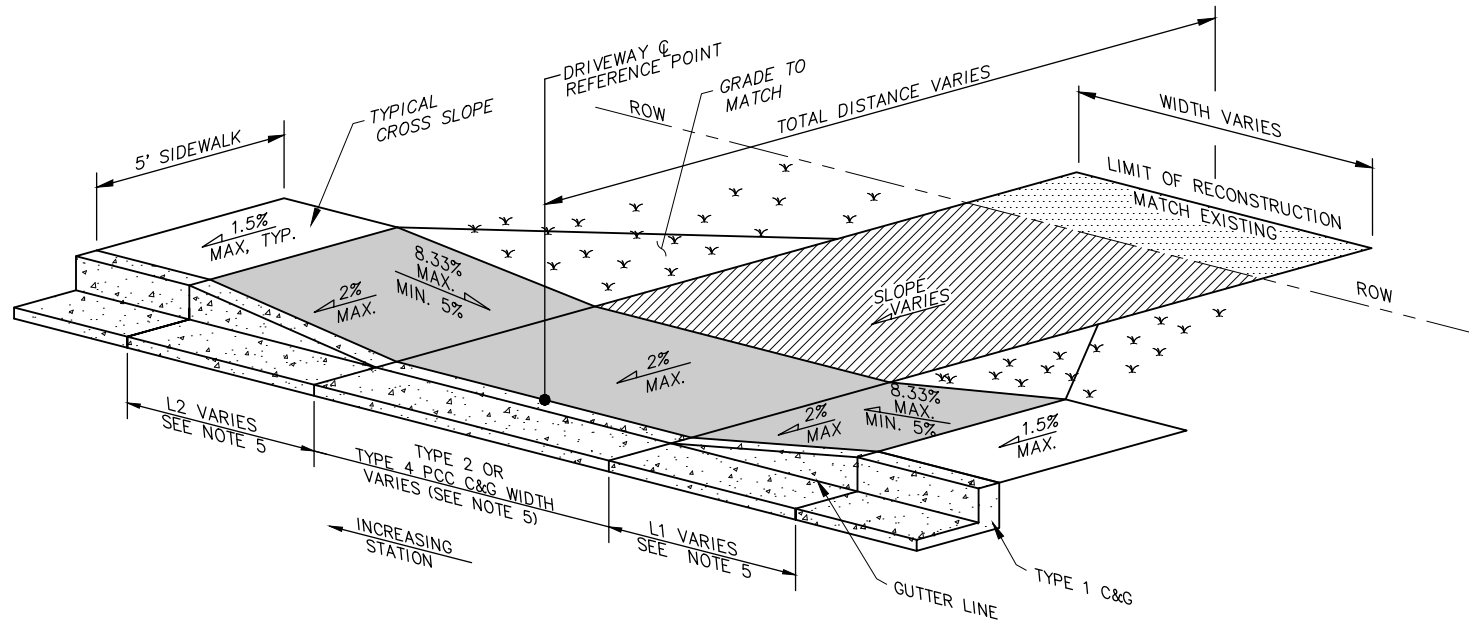
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06		42ND AVENUE UPGRADE -- PHASE 2 PIPER STREET TO FLORINA STREET	
		SCHD A	
ROADWAY DETAILS			
CURB RAMPS			
SCALE		GRID SW1735 DATE AUG 2022 STATUS 65%	
HOR. N/A VER. N/A		SHEET $D1$ of $D7$	


$$(3$$

- SHEET NOTES:**
1. SEE SHEETS R6-R10 FOR CURB RAMP TYPES, LOCATIONS, RAMP, LANDING AND FLARE LENGTHS AND ELEVATIONS.
RAMP/FLARE/LANDING LENGTH FOR PARALLEL CURB RAMPS SHALL BE AS MEASURED 4' OFF BACK OF CURB.
 2. NOTIFY ENGINEER PRIOR TO INSTALLATION OF CONCRETE IF MAXIMUM/MINIMUM SLOPES CANNOT BE MAINTAINED.
 3. FOR PARALLEL CURB RAMPS, RAMPS SHALL BE 15 FEET MAXIMUM. RAMPS SHALL HAVE THE OUTSIDE EDGES AND JOINTS TRIMMED WITH A 1/4-INCH RADIUS EDGING TOOL.
 4. ALL SLOPES ARE IN REFERENCE TO THE HORIZONTAL.
 5. MINIMUM FLOWLINE SLOPE IN CURB RETURN IS 0.5%, UNLESS OTHERWISE NOTED.
 6. PROVIDE CONSTANT FLOWLINE BETWEEN CHANGE IN CURB TYPE.
 7. CONSTRUCT SIDEWALK ADJACENT TO CURB RAMP PER THE TYPICAL SECTIONS SHOWN ON THE "C" SHEETS.
 8. PAYMENT FOR ALL PCC CURB AND GUTTER, INCLUDING MODIFIED AND TRANSITIONAL CURB, SHALL BE PAID UNDER THE BID ITEM "P.C.C. CURB & GUTTER (ALL TYPES)" AND NO SEPARATE PAYMENT SHALL BE MADE.
 9. FORM BACKING CURB AS DIRECTED BY THE ENGINEER TO MATCH EXISTING GROUND. PAYMENT FOR THIS CURB SHALL BE MADE UNDER THE BID ITEM "P.C.C. CURB RAMP (6" THICK)" AND NO ADDITIONAL PAYMENT SHALL BE MADE. IF EXISTING GROUND BEHIND SIDEWALK IS GRAVEL OR GRASS, GRADE TO MATCH EXISTING GROUND. PAYMENT FOR GRADING SHALL BE MADE UNDER THE BID ITEM "P.C.C. CURB RAMP (6" THICK)" AND NO ADDITIONAL PAYMENT SHALL BE MADE. 4" TOPSOIL AND SEEDING SHALL BE PLACED ON DISTURBED GRASS AREAS PER THE LANDSCAPING PLANS.
 10. CONSTRUCT RAMPS AND LANDINGS WITH A BROOM FINISH RUNNING PERPENDICULAR TO THE DIRECTION OF TRAVEL.
 11. INSTALL YELLOW ADA APPROVED DETECTABLE WARNINGS (DW) PANELS UNLESS OTHERWISE NOTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. SET DETECTABLE WARNINGS SO THAT THE FIELD AREA AT THE BASE OF THE DOMES IS FLUSH WITH THE SURROUNDING CONCRETE. THERE SHALL BE NO LIP AT THE EDGE OF THE DETECTABLE CURB WARNINGS. SEE DETAIL 4, SHEET D2.
 12. DETECTABLE WARNINGS DOMES AT PARALLEL CURB RAMPS SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINATE DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
 13. RAMP LOCATIONS MAY BE ADJUSTED TO ENSURE MINIMUM 48" CLEARANCE AROUND APPURTENANCES SUCH AS SIGNAL POLES, POWER POLES, LIGHT POLES, J-BOXES, SIGNS, CATCH BASINS AND MANHOLES. PRIOR TO PLACEMENT OF CONCRETE AND APPURTENANCES, THE RAMP LAYOUT AND LOCATION SHALL BE APPROVED BY THE ENGINEER.
 14. GAP BETWEEN DETECTABLE WARNING PANELS AND BACK OF CURB ONLY ALLOWABLE AT CENTER OF CURB RAMPS. CORNERS OF DETECTABLE WARNINGS SHALL BE FLUSH WITH BACK OF CURB. IF REQUIRED BY THE ENGINEER CONTRACTOR SHALL CUT DETECTABLE WARNING PANELS PER THE MANUFACTURER'S RECOMMENDATIONS. CUTTING DW PANELS SHALL BE INCIDENTAL TO 30.04 DETECTABLE WARNINGS PAY ITEM AND NO SEPARATE PAYMENT SHALL BE MADE.

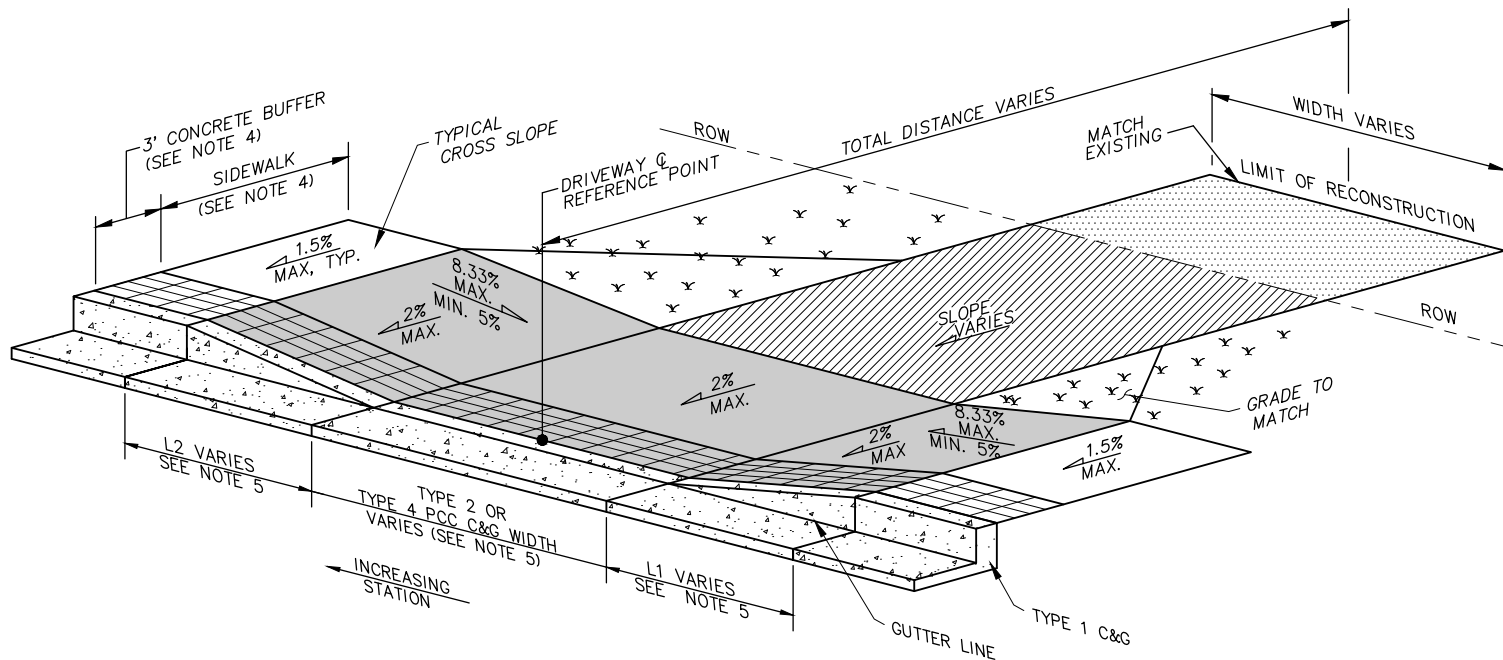


SCALE: NTS



1 TYPICAL DRIVEWAY CURB CUT WITH SIDEWALK & NO BUFFER

SCALE: NTS

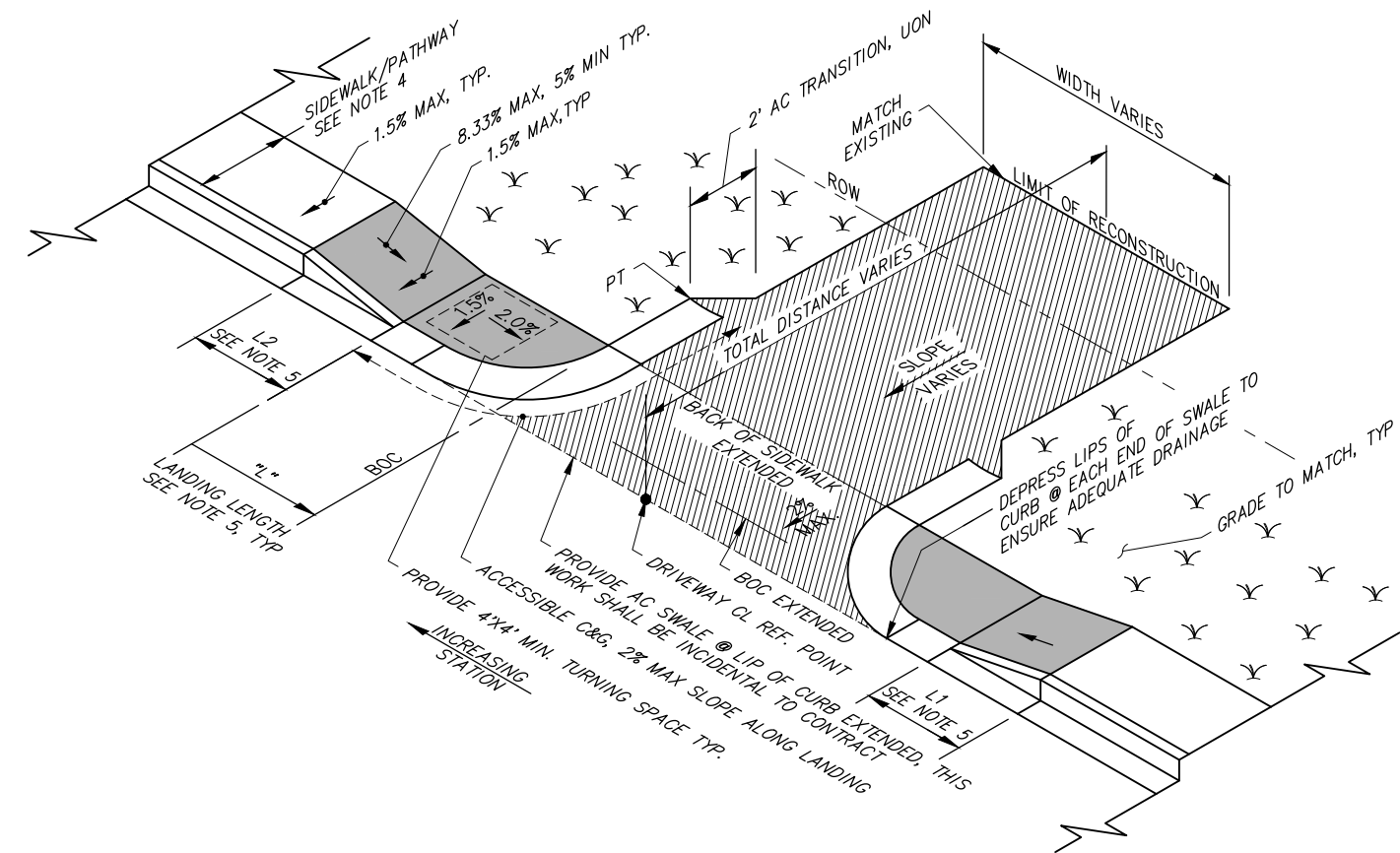


2 TYPICAL DRIVEWAY CURB CUT WITH SIDEWALK & BUFFER

SCALE: NTS

- SHEET DRIVEWAY NOTES:**
- ALL SLOPES ARE IN REFERENCE TO THE HORIZONTAL.
 - PAYMENT FOR PCC CURB & GUTTER (ALL TYPES) AND TRANSITION C&G SHALL BE PAID UNDER THE BID ITEM "PCC CURB & GUTTER, (ALL TYPES)" AND NO SEPARATE PAYMENT SHALL BE MADE.
 - CENTER THE PROPOSED DRIVEWAY ENTRANCES ON DRIVEWAY CENTERLINE REFERENCE POINT AS SHOWN IN THE 20.28 RECONSTRUCT DRIVEWAY SUMMARY TABLES.
 - INCREASE SIDEWALK & CONCRETE BUFFER THICKNESS TO 6" ACROSS LANDINGS AND RAMP TRANSITIONS AND ADD WELDED STEEL WIRE REINFORCEMENT PER THE SPECIFICATIONS.
 - SEE 20.28 DRIVEWAY RECONSTRUCTION SUMMARY TABLE "T" SHEETS AND DRIVEWAY RECONSTRUCTION PLANS, FOR INDIVIDUAL DRIVEWAY SPECIFICS.
 - WHERE INSULATION IS INSTALLED IN ROADWAY, INSTALL INSULATION UNDER DRIVEWAY PER DETAIL 4, SHEET C4.

- SHEET LEGEND:**
- LIMITS OF 2" AC PAVING FOR DRIVEWAY
 - SURFACE TYPE VARIES, SEE NOTE 5
 - LIMITS OF P.C.C. SIDEWALK (6" THICK, STANDARD FINISH), SEE NOTE 4
 - LIMITS COLORED CONCRETE (4" THICK, RED, IMPRINTED)
 - LIMITS COLORED CONCRETE (6" THICK, RED, IMPRINTED), SEE NOTE 4

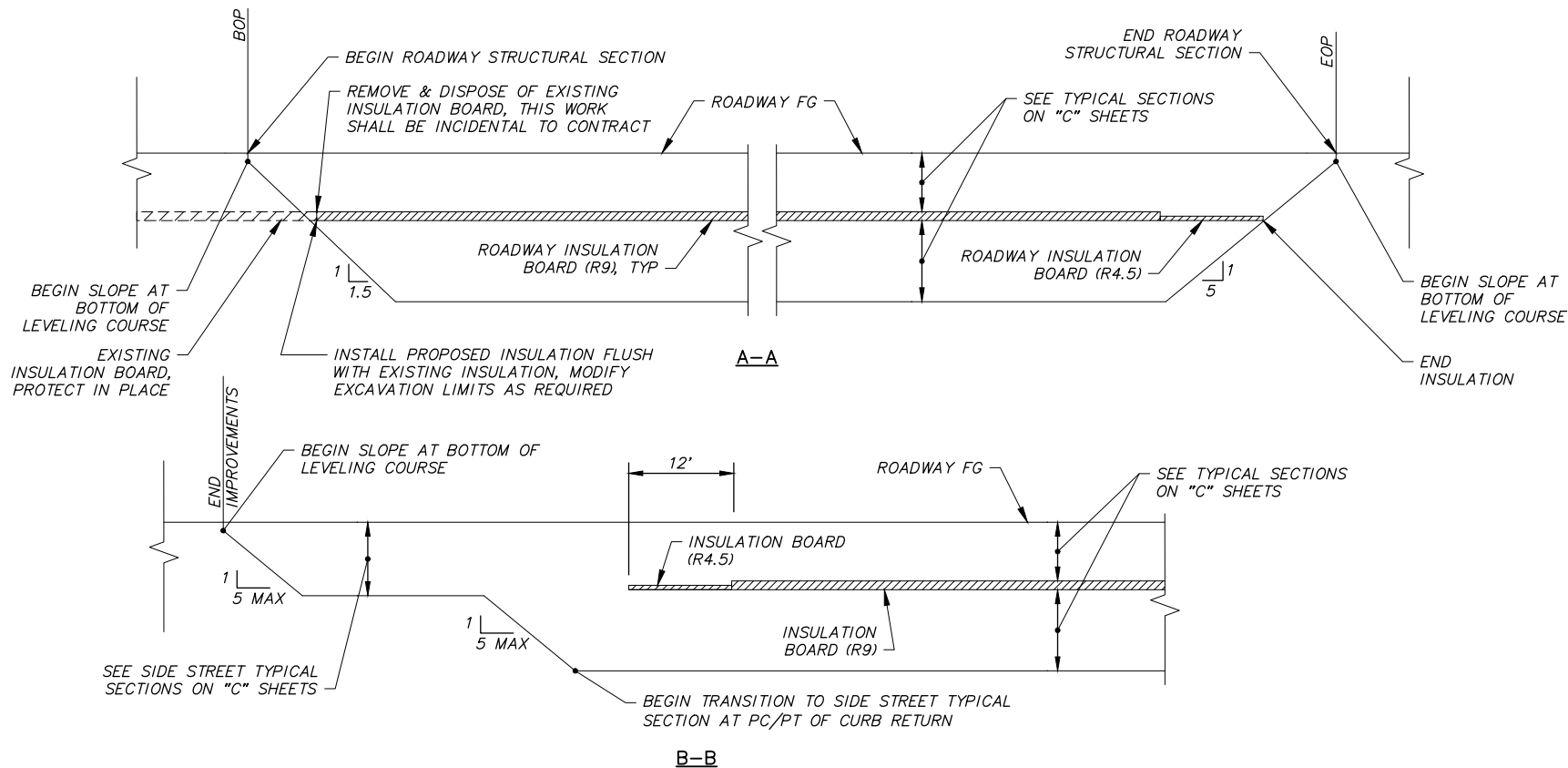
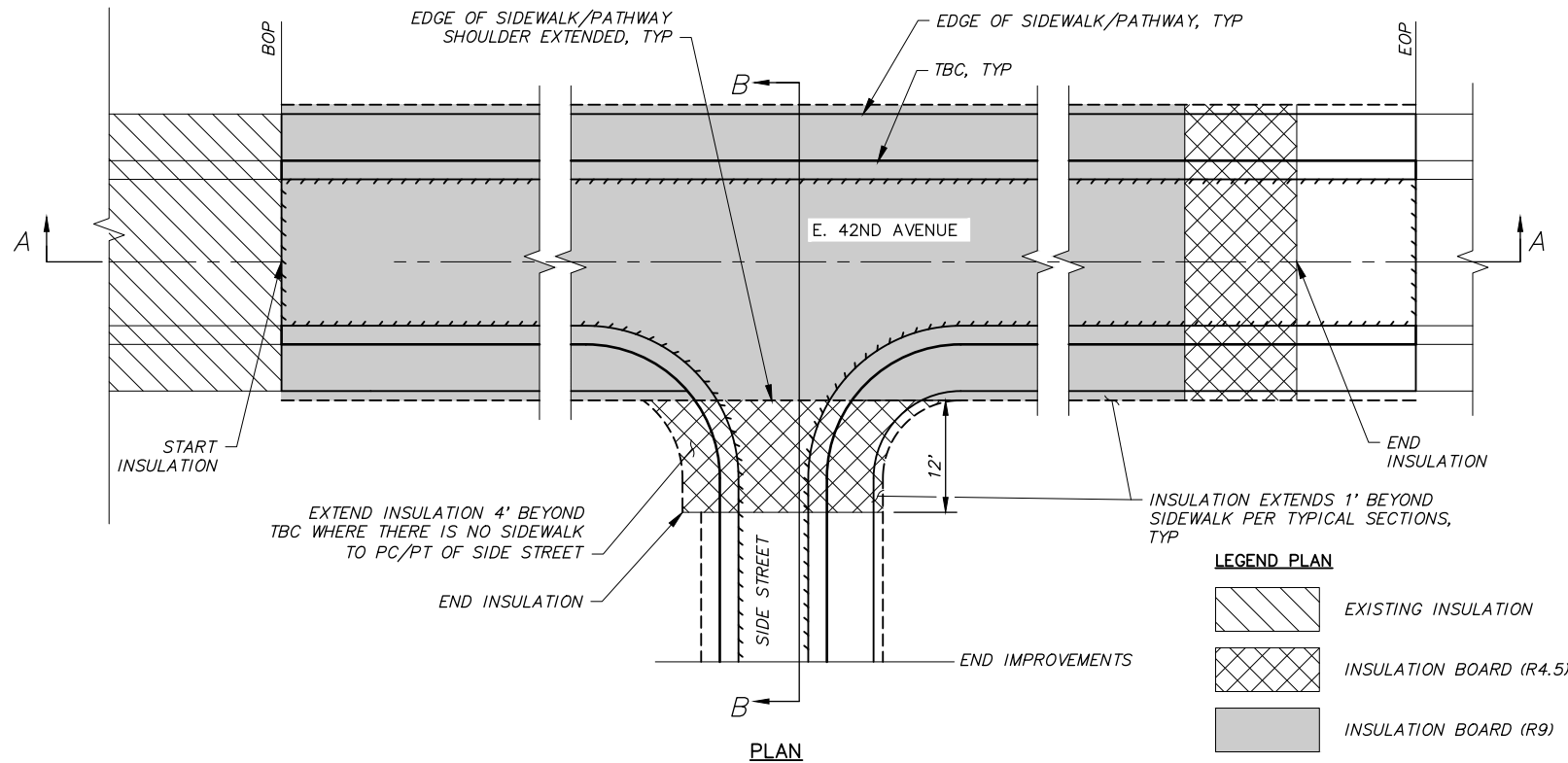


3 TYPICAL DRIVEWAY CURB RETURN WITHOUT CONNECTING CURB

SCALE: NTS

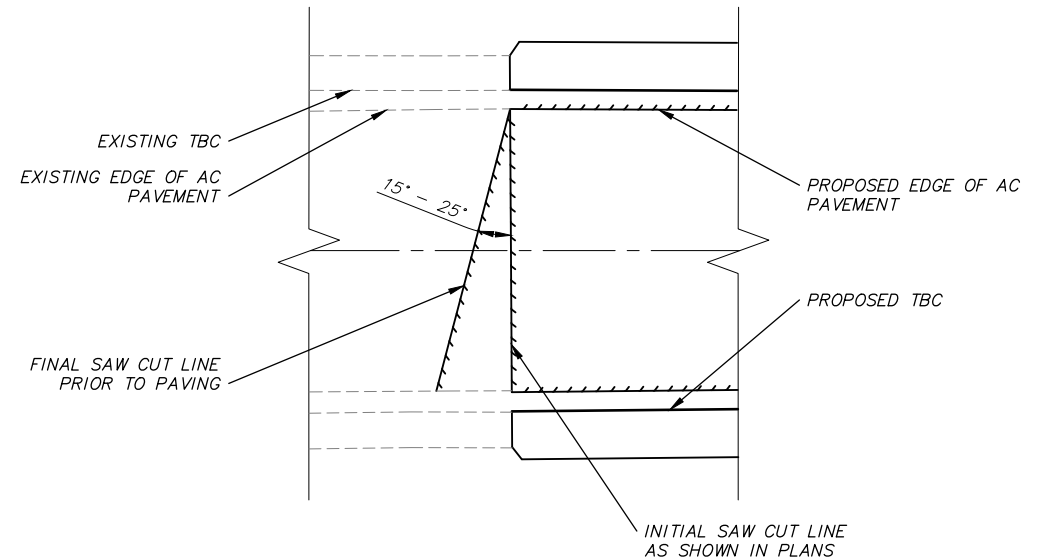
RECORD DRAWING 1. DATA PROVIDED BY: _____ TITLE: _____ THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED. CONTRACTOR: _____ DATE: _____ BY: _____ 2. DATA TRANSFERRED BY: _____ TITLE: _____ COMPANY: _____ DATE: _____ 3. BASED ON 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: _____		<table><tr><td>DATA</td><td>DRAWN BY</td><td>CHECKED BY</td></tr><tr><td>BASE</td><td>TS</td><td>AR</td></tr><tr><td>TOPOGRAPHY</td><td>TS</td><td>AR</td></tr><tr><td>PROFILE</td><td>RB</td><td>EJ</td></tr><tr><td>STORM SEWER</td><td>AA</td><td>JH</td></tr><tr><td>WATER/SANITARY SEWER</td><td>AA</td><td>JK</td></tr><tr><td>GAS</td><td>TS</td><td>AR</td></tr><tr><td>TELEPHONE</td><td>TS</td><td>AR</td></tr><tr><td>ELECTRIC</td><td>JH</td><td>TK</td></tr><tr><td>DESIGN</td><td>RB</td><td>EJ</td></tr><tr><td>QUANTITIES</td><td>RB</td><td>JK</td></tr><tr><td>PRELIMINARY/FINAL</td><td>RB</td><td>JK</td></tr><tr><td>MUNICIPAL/STATE</td><td>RB</td><td>JK</td></tr></table>		DATA	DRAWN BY	CHECKED BY	BASE	TS	AR	TOPOGRAPHY	TS	AR	PROFILE	RB	EJ	STORM SEWER	AA	JH	WATER/SANITARY SEWER	AA	JK	GAS	TS	AR	TELEPHONE	TS	AR	ELECTRIC	JH	TK	DESIGN	RB	EJ	QUANTITIES	RB	JK	PRELIMINARY/FINAL	RB	JK	MUNICIPAL/STATE	RB	JK	<table><tr><td>FIELD BOOKS</td><td>BM NO.</td><td>LOCATION</td><td>ELEV.</td><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td>BY</td></tr><tr><td>DESIGN CRW BOOK No. 197, 198 & 201</td><td>GAAB 69</td><td>See MOA Benchmark Book, Page D-22</td><td>162.47</td><td></td><td></td><td></td><td></td></tr><tr><td>STAKING</td><td>CB 7B</td><td>See MOA Benchmark Book, Page D-18</td><td>161.20</td><td></td><td></td><td></td><td></td></tr><tr><td>ASBUILT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CONTRACTOR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>INSPECTOR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47					STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20					ASBUILT								CONTRACTOR								INSPECTOR								<table><tr><td>PLAN CHECK</td><td>CONSTRUCTION RECORD</td><td>VERTICAL DATUM</td><td>REVISIONS</td><td>CONSULTANT</td><td>SEAL</td></tr></table>		PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL	<table><tr><td>PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT</td><td>18-06</td><td>42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET</td><td>SCHED A</td></tr><tr><td colspan="4">ROADWAY DETAILS</td></tr><tr><td colspan="4">DRIVEWAYS</td></tr><tr><td>SCALE</td><td>HOR. N/A VER. N/A</td><td>GRID SW735 DATE AUG 2022</td><td>STATUS 65% SHEET D3 of D7</td></tr></table>		PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT	18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	ROADWAY DETAILS				DRIVEWAYS				SCALE	HOR. N/A VER. N/A	GRID SW735 DATE AUG 2022	STATUS 65% SHEET D3 of D7
DATA	DRAWN BY	CHECKED BY																																																																																																																				
BASE	TS	AR																																																																																																																				
TOPOGRAPHY	TS	AR																																																																																																																				
PROFILE	RB	EJ																																																																																																																				
STORM SEWER	AA	JH																																																																																																																				
WATER/SANITARY SEWER	AA	JK																																																																																																																				
GAS	TS	AR																																																																																																																				
TELEPHONE	TS	AR																																																																																																																				
ELECTRIC	JH	TK																																																																																																																				
DESIGN	RB	EJ																																																																																																																				
QUANTITIES	RB	JK																																																																																																																				
PRELIMINARY/FINAL	RB	JK																																																																																																																				
MUNICIPAL/STATE	RB	JK																																																																																																																				
FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY																																																																																																															
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47																																																																																																																			
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20																																																																																																																			
ASBUILT																																																																																																																						
CONTRACTOR																																																																																																																						
INSPECTOR																																																																																																																						
PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL																																																																																																																	
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT	18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A																																																																																																																			
ROADWAY DETAILS																																																																																																																						
DRIVEWAYS																																																																																																																						
SCALE	HOR. N/A VER. N/A	GRID SW735 DATE AUG 2022	STATUS 65% SHEET D3 of D7																																																																																																																			

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Roadway Details_Phase 2.dwg



1 BOARD INSULATION AND EXCAVATION TRANSITION DETAIL

SCALE: NTS

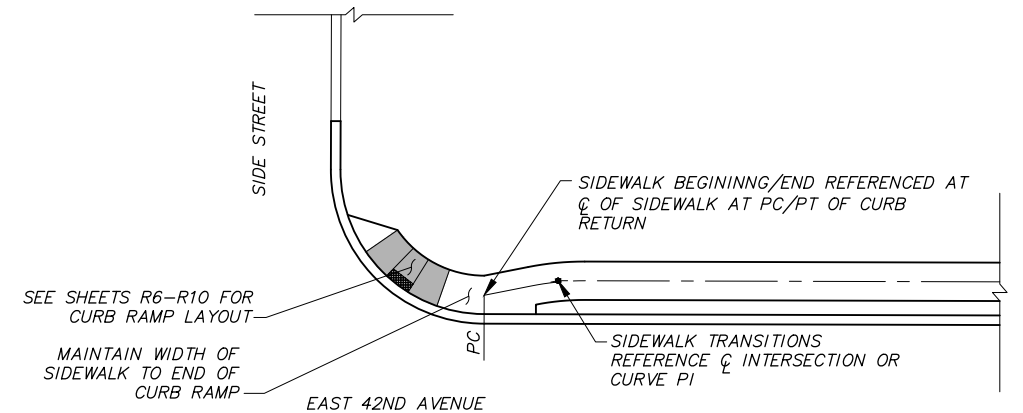


2 TRANSVERSE SAW CUT JOINT DETAIL

SCALE: NTS

SIDEWALK/PATHWAY TRANSITION DETAIL NOTES:

1. SEE INTERSECTION LAYOUT SHEETS FOR CURB RAMP LAYOUT.
2. SEE ROADWAY SUMMARY TABLE (T) SHEETS FOR PATHWAY/SIDEWALK ALIGNMENT TABLE.



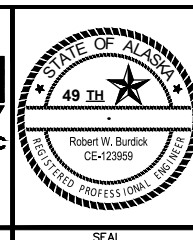
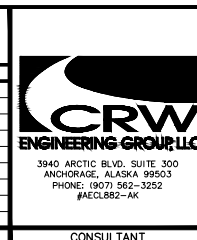
3 SIDEWALK TRANSITION DETAIL

SCALE: NTS

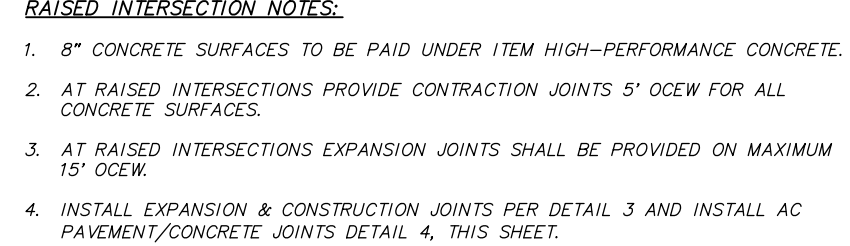
RECORD DRAWING
1. DATA PROVIDED BY: _____ TITLE: _____
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.
CONTRACTOR: _____ DATE: _____
BY: _____
2. DATA TRANSFERRED BY: _____ TITLE: _____
COMPANY: _____ DATE: _____
3. BASED ON 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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
REVISIONS							
CONSULTANT							
SEAL							



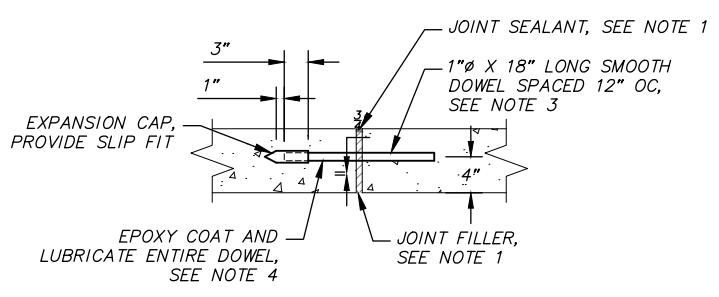
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
ROADWAY DETAILS			
MISCELLANEOUS			
SCALE	HOR. N/A VER. N/A	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET D4 of D7



1

**TYPICAL RAISED INTERSECTION
CENTERLINE PROFILE - DALE STREET**

SCALE: NTS

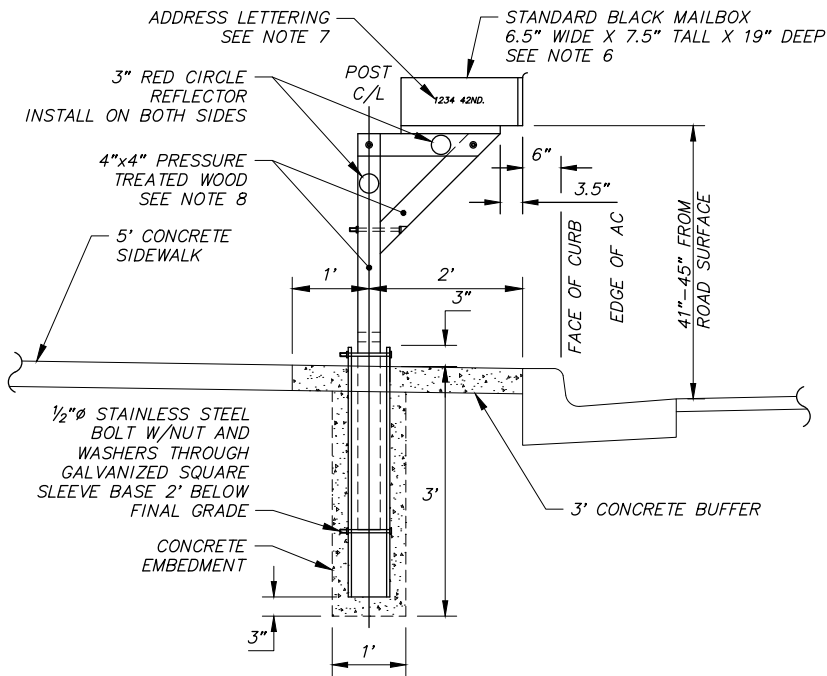


2 **TYPICAL RAISED INTERSECTION
CENTERLINE PROFILE - E. 42ND AVENUE**
SCALE: NTS

3 EXPANSION & CONSTRUCTION JOINT

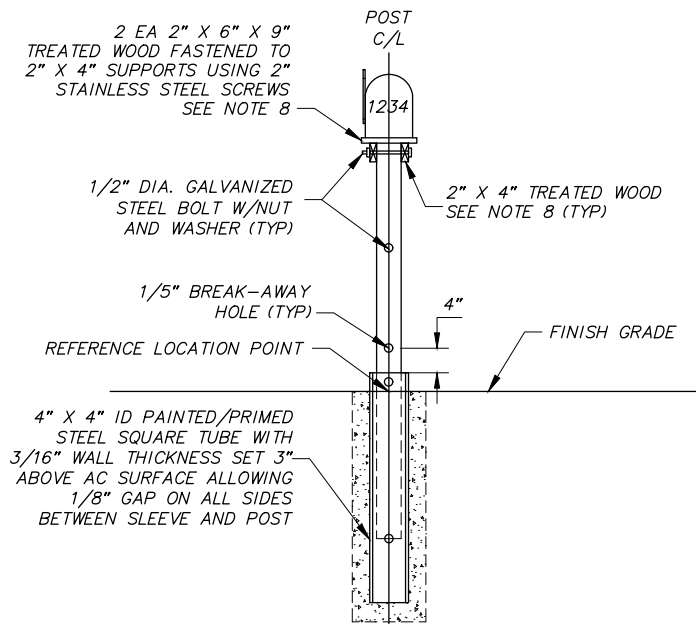
SCALE: NTS





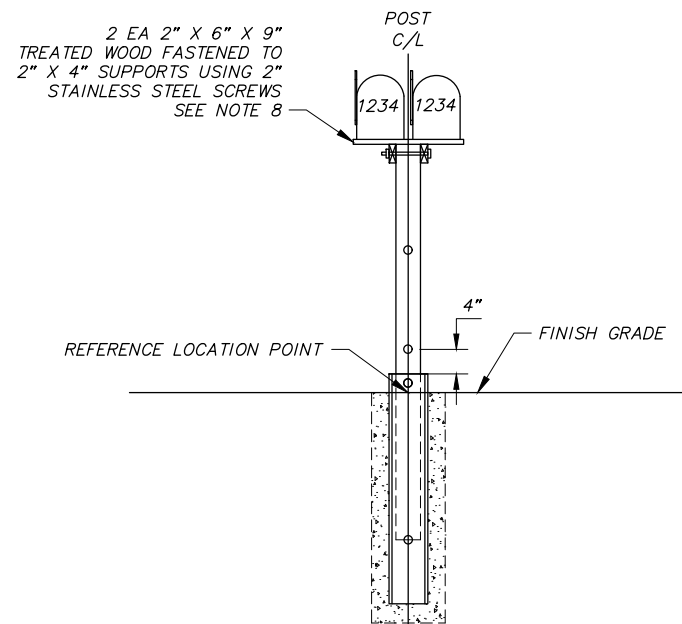
TYPICAL WOOD POST MAILBOX INSTALLATION

SCALE: NTS



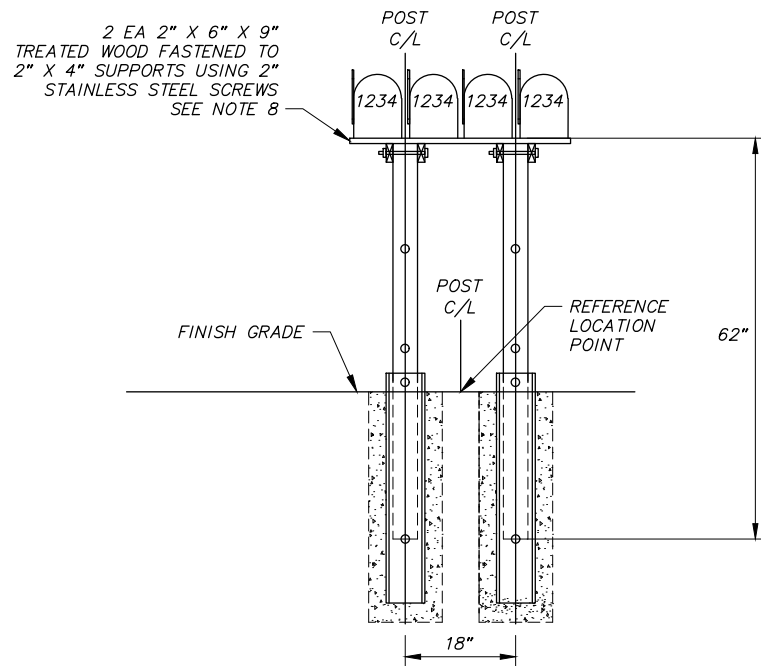
TYPICAL SINGLE MAILBOX INSTALLATION

SCALE: NTS



TYPICAL COMBINED MAILBOX INSTALLATION FOR 2 BOXES

SCALE: NTS



TYPICAL COMBINED MAILBOX INSTALLATION FOR MORE THAN 2 BOXES

SCALE: NTS

TYPICAL WOOD POST MAILBOX INSTALLATION NOTES:

- SEE "RELOCATE MAILBOX" TABLE, DEMOLITION SHEETS & ROADWAY SHEETS FOR LOCATING MAILBOXES ALONG ROADWAY. LOCATIONS ARE APPROXIMATE, VERIFY LOCATION WITH ENGINEER PRIOR TO INSTALLATION.
- RELOCATE COMBINED MAILBOXES TO THE APPROXIMATE EXISTING STATION AND 2' BEHIND THE TOP BACK OF CURB.
- CUT OFF EXCESS BOLT AND FILE SMOOTH AFTER TIGHTENING.
- MAILBOXES AND SUPPORTS SHALL CONFORM WITH U.S. POSTAL SERVICE REGULATIONS.
- NEWSPAPER RECEPTACLES SHALL CONFORM TO THE SAME SETBACK AND SUPPORT REGULATIONS AS MAILBOXES. WHERE NEWSPAPER RECEPTACLES AND MAILBOXES ARE TO BE MOUNTED TOGETHER, THE NEWSPAPER RECEPTACLE SHALL BE MOUNTED BELOW THE BOTTOM SURFACE OF THE MAILBOX. RELOCATION OF EXISTING NEWSPAPER RECEPTACLES IS INCIDENTAL TO THE RELOCATE MAILBOX BID ITEM.
- CONTRACTOR SHALL COORDINATE WITH THE MOA AND ENGINEER IN THE FIELD REGARDING MAILBOX SUBSTITUTIONS OR MAILBOX SIZING, PRIOR TO ORDERING MATERIALS.
- CONTRACTOR SHALL INSTALL MAILBOX ADDRESS LABELS TO MATCH EXISTING LABELS. ADDRESS LABELS SHALL BE A MINIMUM OF 1" IN HEIGHT AND INSTALLED ON THE SIDE OF THE MAILBOX VISIBLE FROM ON COMING TRAFFIC. ADDRESS LABELS SHOULD BE CENTERED BOTH VERTICAL AND HORIZONTAL ON MAILBOX.
- ALL WOOD SHALL BE PRESSURE TREATED WOOD SEALED WITH A SEMI-TRANSPARENT OIL BASED STAIN BROWN IN COLOR. SUBMIT COLOR SAMPLE FOR APPROVAL.
- CONTRACTOR TO SEAL THE TUBE BASE WHEN SETTING CONCRETE TO AVOID CONCRETE FROM ENTERING THE TUBE.
- THE LOCATION OF EXISTING FEATURES AND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL ENCOUNTERED UTILITIES AND RECORD ANY CHANGES ON THE RECORD DRAWINGS.
- CONTRACTOR MAY ADJUST CONCRETE EMBEDMENT DEPTH IF UTILITY CONFLICTS ARE ENCOUNTERED.

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Roadway Details_Phase 2.dwg

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: _____	
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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
REVISIONS							

CRW ENGINEERING GROUP, LLC

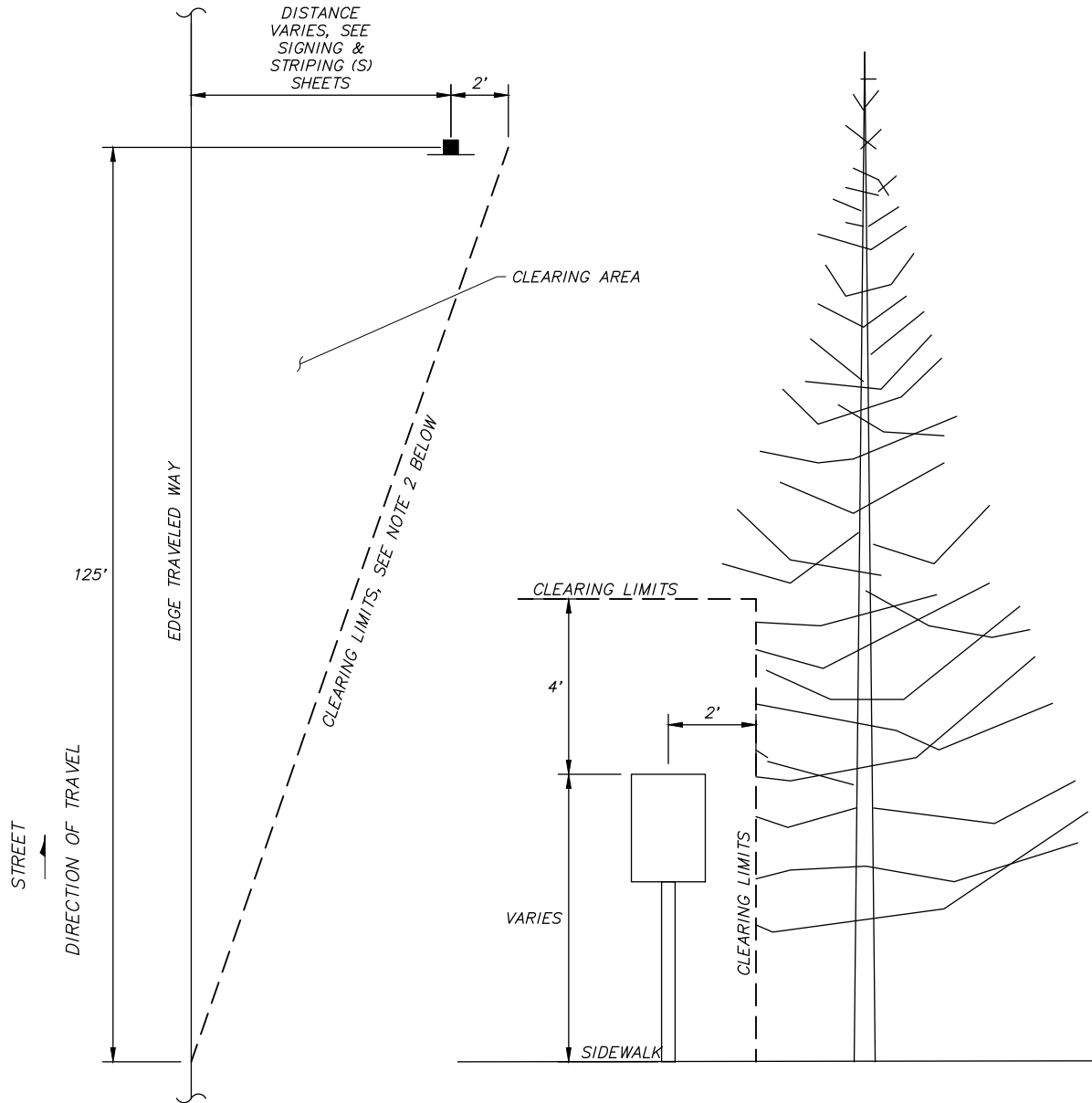
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECCL882-AK

STATE OF ALASKA
49 TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

UNIVERSITY OF ALASKA

PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
ROADWAY DETAILS			
MAILBOX DETAILS			
SCALE	HOR. N/A VER. N/A	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET D6 of D7

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Roadway Details_Phase 2.dwg



PLAN

ELEVATION

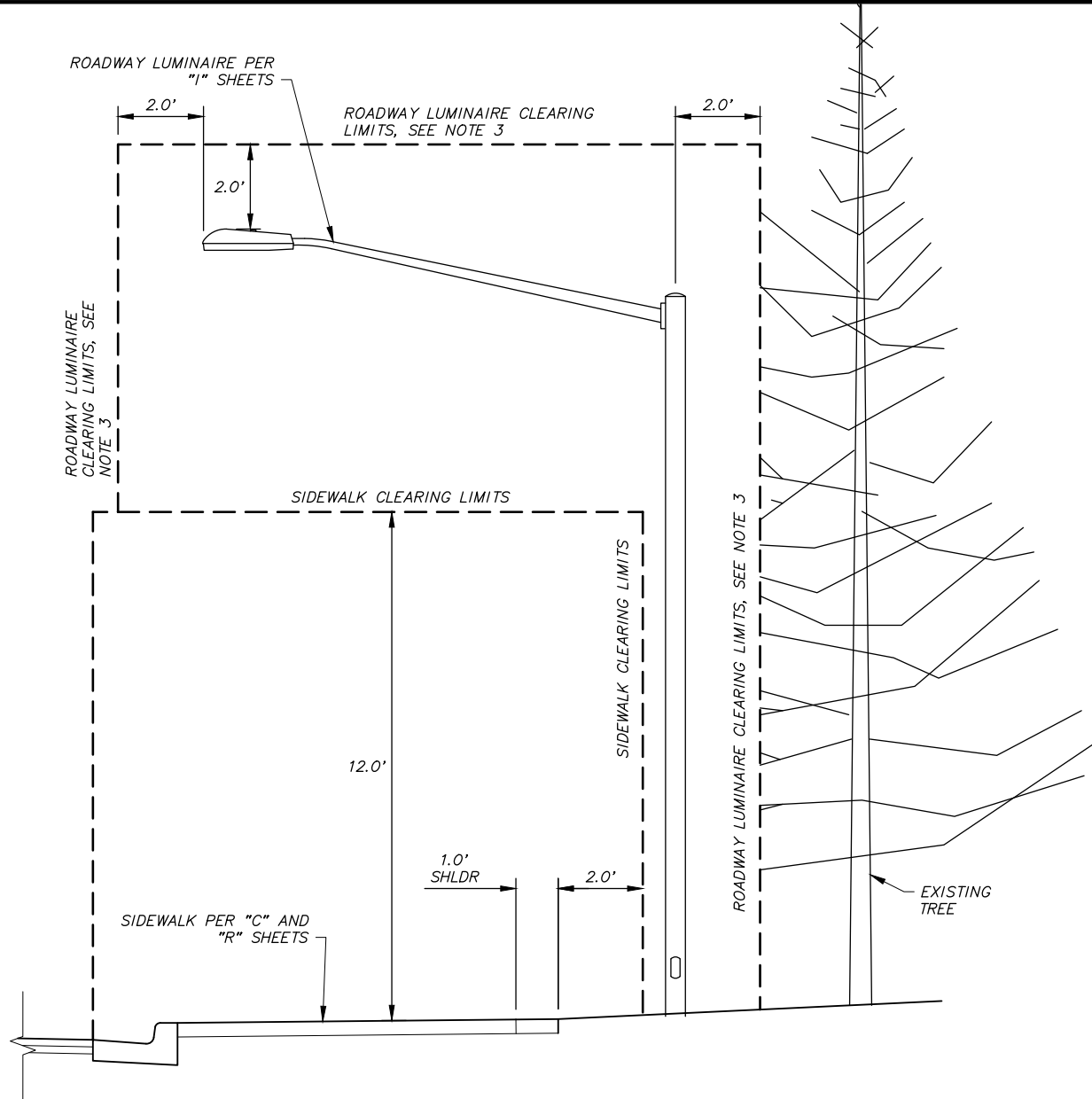
SIGN SIGHT DISTANCE CLEARING DETAIL NOTES:

1. SIGN SIGHT DISTANCE CLEARING SHALL BE INCIDENTAL TO SECTION 20.04 CLEARING AND GRUBBING PAY ITEM AND NO SEPARATE PAYMENT SHALL BE MADE.
2. MAINTAIN CLEARING LIMITS WITHIN AVAILABLE RIGHT-OF-WAY.
3. ALL CLEARING ACTIVITIES SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST AND FOLLOW ANSI A300, PART 1, STANDARD PRACTICES AND ANSI Z133.1, ARBORICULTURAL OPERATIONS SAFETY.

1

SIGN SIGHT DISTANCE CLEARING DETAIL

SCALE: NTS



ELEVATION

SIDEWALK AND ROADWAY LUMINAIRE CLEARING DETAIL NOTES:

1. SIDEWALK AND ROADWAY LUMINAIRE CLEARING SHALL BE INCIDENTAL TO SECTION 20.04 CLEARING AND GRUBBING PAY ITEM AND NO SEPARATE PAYMENT SHALL BE MADE.
2. MAINTAIN CLEARING LIMITS WITHIN AVAILABLE RIGHT-OF-WAY OR TCP.
3. ROADWAY LUMINAIRE CLEARING LIMITS SHALL INCLUDE 20 FEET UP STATION AND DOWN STATION ALONG THE ROADWAY.
4. ALL CLEARING ACTIVITIES SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST AND FOLLOW ANSI A300, PART 1, STANDARD PRACTICES AND ANSI Z133.1, ARBORICULTURAL OPERATIONS SAFETY.

2

SIDEWALK AND ROADWAY LUMINAIRE CLEARING DETAIL

SCALE: NTS

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.

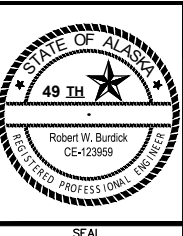
DATA TRANSFER CHECKED BY: _____ TITLE: _____

COMPANY: _____ DATE: _____

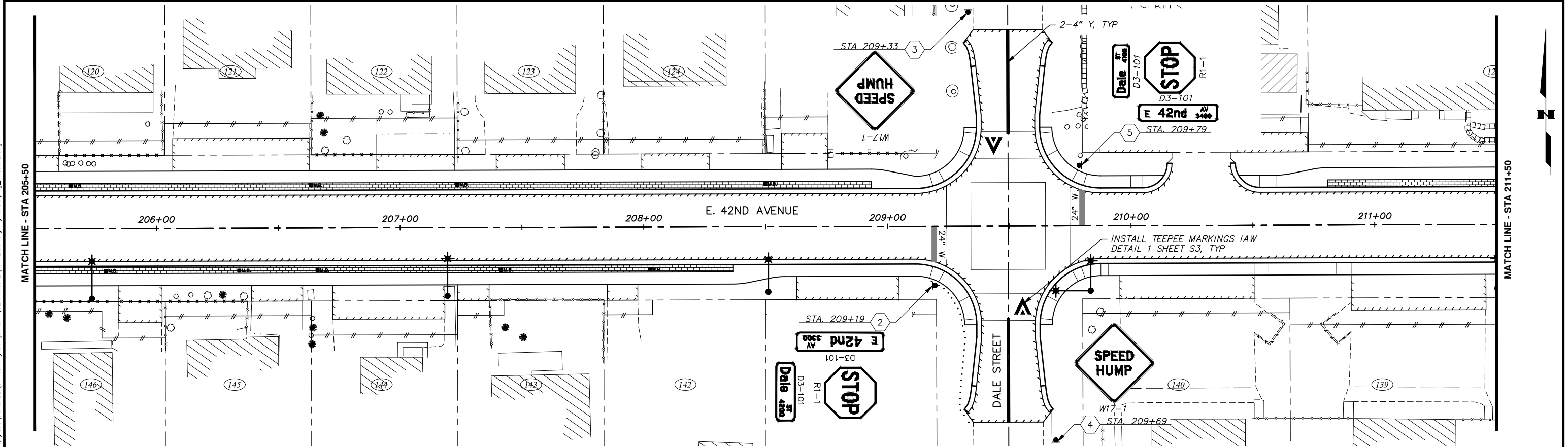
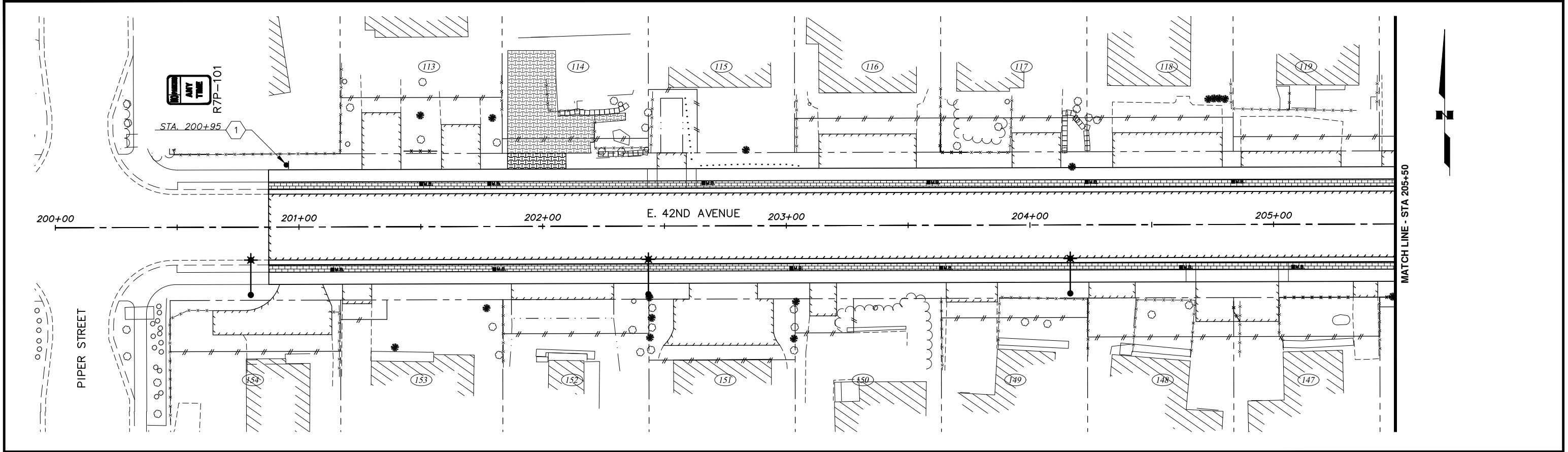
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
VERTICAL DATUM							
REVISIONS							
CONSULTANT							
SEAL							

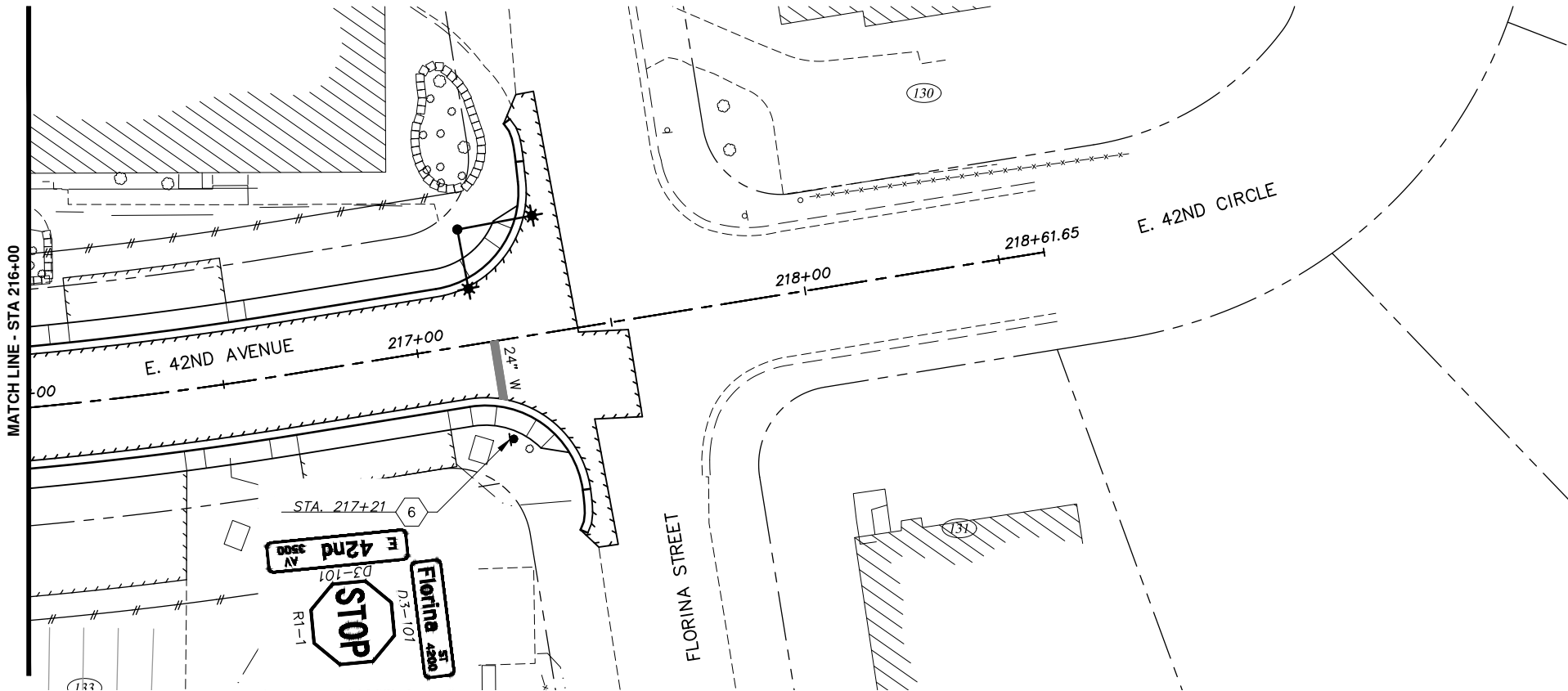
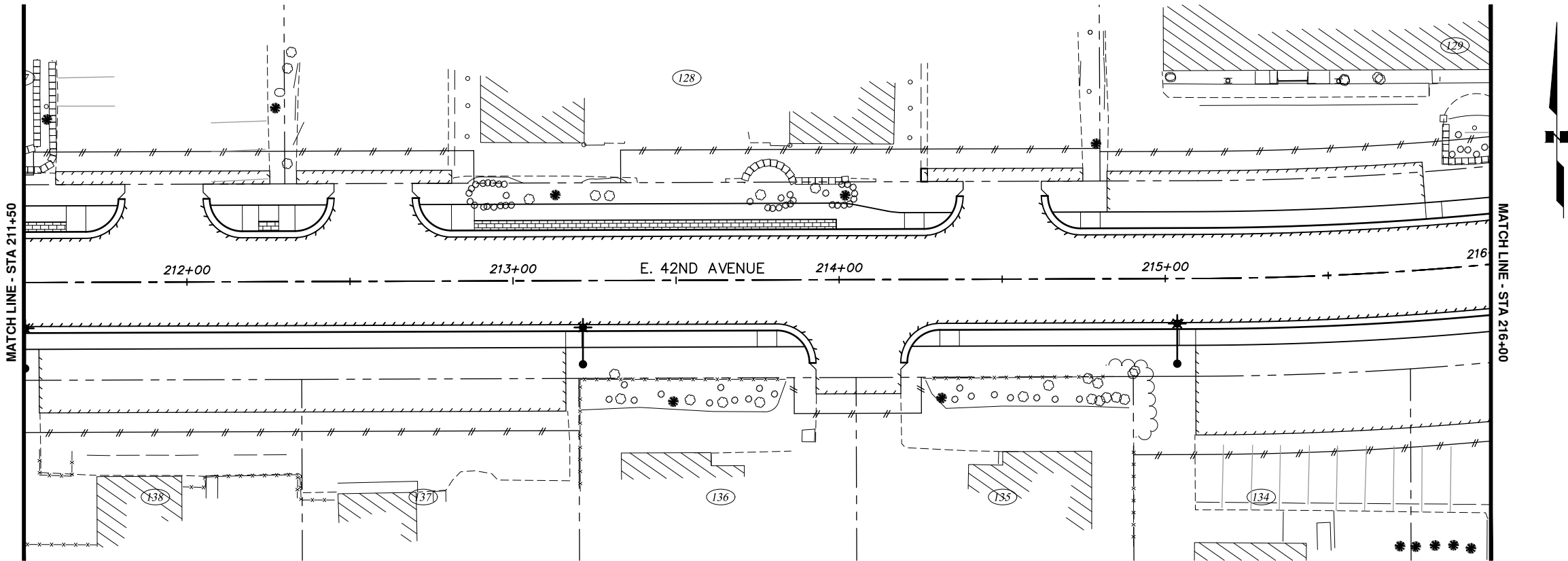


PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
ROADWAY DETAILS			
CLEARING DETAILS			
SCALE	HOR. N/A VER. N/A	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET
			D7 of D7



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: _____																																																																																																
<table><tr><td>DATA</td><td>DRAWN BY</td><td>CHECKED BY</td></tr><tr><td>BASE</td><td>TS</td><td>AR</td></tr><tr><td>TOPOGRAPHY</td><td>TS</td><td>AR</td></tr><tr><td>PROFILE</td><td>RB</td><td>EJ</td></tr><tr><td>STORM SEWER</td><td>AA</td><td>JH</td></tr><tr><td>WATER/SANITARY SEWER</td><td>AA</td><td>JK</td></tr><tr><td>GAS</td><td>TS</td><td>AR</td></tr><tr><td>TELEPHONE</td><td>TS</td><td>AR</td></tr><tr><td>ELECTRIC</td><td>JH</td><td>TK</td></tr><tr><td>DESIGN</td><td>RB</td><td>EJ</td></tr><tr><td>QUANTITIES</td><td>RB</td><td>JK</td></tr><tr><td>PRELIMINARY/FINAL</td><td>RB</td><td>JK</td></tr><tr><td>MUNICIPAL/STATE</td><td>RB</td><td>JK</td></tr></table>		DATA	DRAWN BY	CHECKED BY	BASE	TS	AR	TOPOGRAPHY	TS	AR	PROFILE	RB	EJ	STORM SEWER	AA	JH	WATER/SANITARY SEWER	AA	JK	GAS	TS	AR	TELEPHONE	TS	AR	ELECTRIC	JH	TK	DESIGN	RB	EJ	QUANTITIES	RB	JK	PRELIMINARY/FINAL	RB	JK	MUNICIPAL/STATE	RB	JK	<table><tr><td>FIELD BOOKS</td><td>BM NO.</td><td>LOCATION</td><td>ELEV.</td><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td>BY</td></tr><tr><td>DESIGN CRW BOOK No. 197, 198 & 201</td><td>GAAB 69</td><td>See MOA Benchmark Book, Page D-22</td><td>162.47</td><td></td><td></td><td></td><td></td></tr><tr><td>STAKING</td><td>CB 7B</td><td>See MOA Benchmark Book, Page D-18</td><td>161.20</td><td></td><td></td><td></td><td></td></tr><tr><td>ASBUILT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CONTRACTOR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>INSPECTOR</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47					STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20					ASBUILT								CONTRACTOR								INSPECTOR								<table><tr><td colspan="2">BASIS OF THIS DATUM GAAB 1972 ADJUST</td></tr><tr><td>PLAN CHECK</td><td>CONSTRUCTION RECORD</td></tr><tr><td>VERTICAL DATUM</td><td>REVISIONS</td></tr><tr><td>CONSULTANT</td><td>SEAL</td></tr></table>		BASIS OF THIS DATUM GAAB 1972 ADJUST		PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL
DATA	DRAWN BY	CHECKED BY																																																																																																		
BASE	TS	AR																																																																																																		
TOPOGRAPHY	TS	AR																																																																																																		
PROFILE	RB	EJ																																																																																																		
STORM SEWER	AA	JH																																																																																																		
WATER/SANITARY SEWER	AA	JK																																																																																																		
GAS	TS	AR																																																																																																		
TELEPHONE	TS	AR																																																																																																		
ELECTRIC	JH	TK																																																																																																		
DESIGN	RB	EJ																																																																																																		
QUANTITIES	RB	JK																																																																																																		
PRELIMINARY/FINAL	RB	JK																																																																																																		
MUNICIPAL/STATE	RB	JK																																																																																																		
FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY																																																																																													
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47																																																																																																	
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20																																																																																																	
ASBUILT																																																																																																				
CONTRACTOR																																																																																																				
INSPECTOR																																																																																																				
BASIS OF THIS DATUM GAAB 1972 ADJUST																																																																																																				
PLAN CHECK	CONSTRUCTION RECORD																																																																																																			
VERTICAL DATUM	REVISIONS																																																																																																			
CONSULTANT	SEAL																																																																																																			
 3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 PHONE: (907) 562-3252 #AEC0882-AK																																																																																																				
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT 18-06 42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET SCHED A SIGNING & STRIPING STA 200+00 TO STA 211+50				SCALE HOR. 1"=20' VER. N/A																																																																																																
GRID SW735 DATE AUG 2022 STATUS 65% SHEET S1 of S3																																																																																																				

File: I:\labData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Signing & Striping_Phase 2.dwg

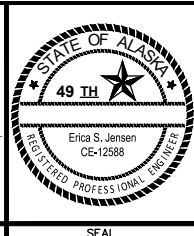


RECORD DRAWING

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201		GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING		CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT								
CONTRACTOR								
INSPECTOR								
BASIS OF THIS DATUM GAAB 1972 ADJUST								
PLAN CHECK		CONSTRUCTION RECORD		VERTICAL DATUM		REVISIONS		

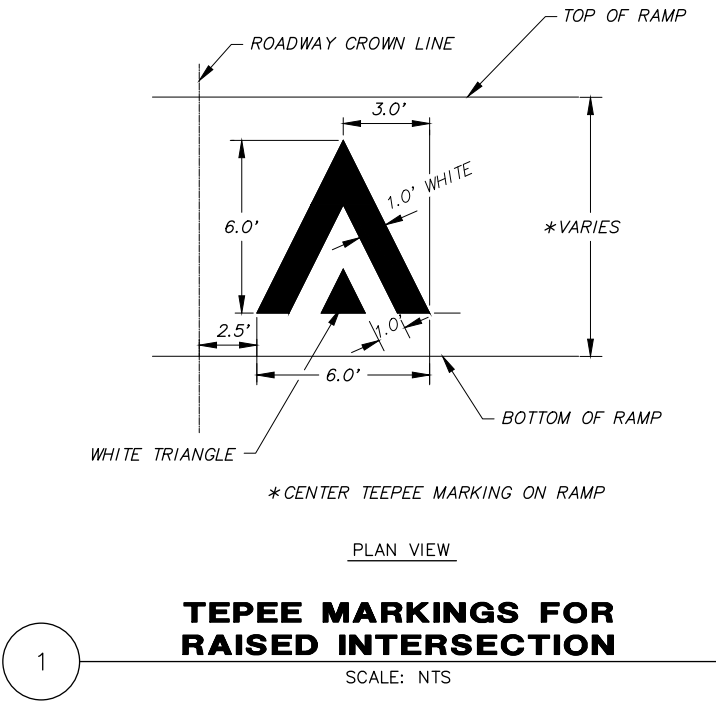


PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET		SCHED A
SIGNING & STRIPING			
STA 211+50 TO EOP			
SCALE	HOR. 1"=20' VER. N/A	GRID SW1735	S2 of S3
		DATE AUG 2022	
		SHEET	

File-I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Signing & Striping_Phase 2.dwg

70.11

STANDARD SIGN											
SHEET NO.	POST NO.	STATION	OFFSET	TYPE	LEGEND	WIDTH	HEIGHT	AREA (SF)	SIGN FACES	SIGN POST	REMARKS
						(INCHES)	(INCHES)				
S1	1	200+95	25.5 LT	R7P-101	NO PARKING ANY TIME	12	18	1.50	E	2" PST	
	2	209+06	22.5 RT	D3-101	DALE ST 4200	24	8	1.33	E/W	2.5" PST	ONE DOUBLE SIDED PANEL
				D3-101	E 42ND AV 3300	36	8	2.00	N/S		ONE DOUBLE SIDED PANEL
				R1-1	STOP	30	30	6.25	W		
	3	209+33	87.9 LT	W17-1	SPEED HUMP	30	30	6.25	N	2" PST	
	4	209+69	87.9 RT	W17-1	SPEED HUMP	30	30	6.25	S	2" PST	
	5	209+99	22.5 LT	D3-101	DALE ST 4100	24	8	1.33	E/W	2.5" PST	ONE DOUBLE SIDED PANEL
				D3-101	E 42ND AV 3400	36	8	2.00	N/S		ONE DOUBLE SIDED PANEL
S2	6	217+21	25.4 RT	R1-1	STOP	30	30	6.25	E	2.5" PST	
				D3-101	E 42ND AV 3500	36	8	2.00	NW/SE		ONE DOUBLE SIDED PANEL
				D3-101	FLORINA ST 4200	30	8	1.67	NE/SW		ONE DOUBLE SIDED PANEL
				R1-1	STOP	30	30	6.25	NW/SE		



SIGNING NOTES:

- THE STATIONS INDICATED IN THE SIGN SUMMARY ARE APPROXIMATE. INSTALL SIGNS AND SIGN FOUNDATIONS PER MASS STANDARD DETAILS. BEFORE INSTALLING ANY SIGN, STAKE THE LOCATION OF ALL SIGNS FOR THE ENGINEER'S REVIEW AND APPROVAL.
- PROVIDE PERFORATED STEEL TUBE (PST) SIGN POSTS OF THE SIZE INDICATED IN THE SIGN SUMMARY.
- INSTALL THE POSTS FOR STOP SIGNS AT LOCATIONS THAT CONFORM TO MASS STANDARD DETAIL 70-18.
- ALL STOP SIGNS AND STREET NAME SIGNS SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
- INSTALL SIGNS ON LIGHT POLES PER MASS STANDARD DETAIL 70-30.
- THE LETTERING FOR STREET NAME SIGNS (D3 SERIES) SHALL BE FEDERAL HIGHWAY ADMINISTRATION "FHWA 2000 SERIES C" LETTERING, A COMBINATION OF LOWER-CASE LETTERS WITH INITIAL UPPER-CASE LETTERS.

STRIPING NOTES:

- UNLESS OTHERWISE NOTED, PROVIDE METHYL METHACRYLATE PAINT OF THE COLORS AND WIDTHS SPECIFIED FOR THE TRAFFIC MARKINGS INDICATED IN THE DRAWINGS. PROVIDE 125 MILS INLAID APPLICATION TRAFFIC MARKINGS. REPLACE ALL ON-PROPERTY STRIPING DAMAGED DURING CONSTRUCTION WITH TRAFFIC PAINT.
- "W" REFERENCES WHITE MARKINGS, AND "Y" REFERENCES YELLOW MARKINGS.
- ALL STRIPING SHALL CONFORM TO THESE CONTRACT DOCUMENTS AND THE STANDARD MASS DETAILS. ALL REVISIONS SHALL CONFORM TO THE LATEST EDITION OF THE ALASKA TRAFFIC MANUAL AND THE MUTCD.
- DIMENSIONS REFERENCE CENTER OF STRIPE TO CENTER OF STRIPE OR EDGE OF PAVEMENT.

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: _____

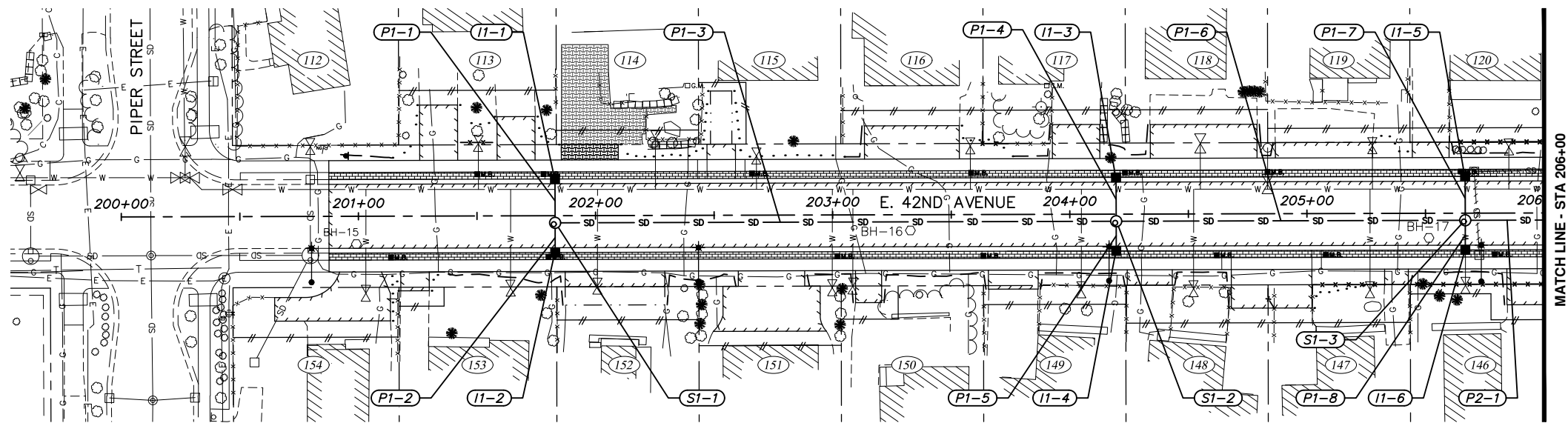
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198		GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
& 201		CB 7B	See MOA Benchmark Book, Page D-18	161.20				
STAKING								
ASBUILT								
CONTRACTOR								
INSPECTOR								
BASIS OF THIS DATUM		GAAB 1972 ADJUST						
PLAN CHECK		CONSTRUCTION RECORD		VERTICAL DATUM		REVISIONS		
						CONSULTANT		



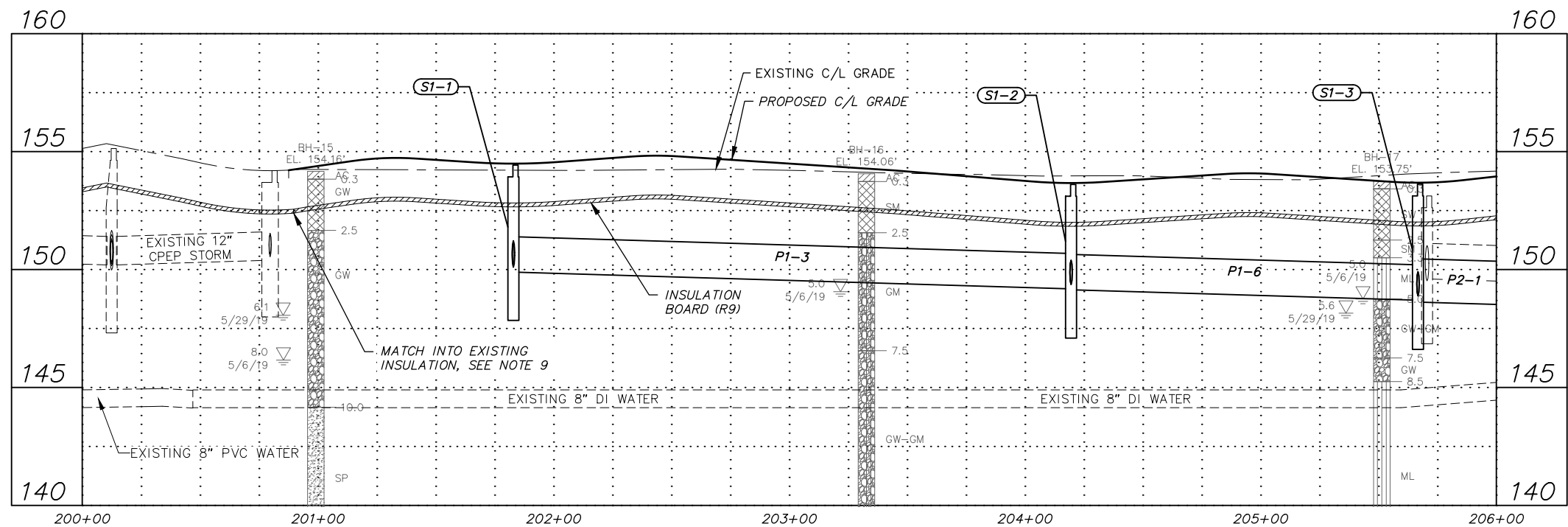
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED A	
SIGN SUMMARY & STRIPING DETAILS			
SCALE	HOR. N/A VER. N/A	GRID SW735 DATE AUG 2022	STATUS 65% SHEET
			S3 of S3



- NOTES:
1. AN ASTERISK (*) DENOTES PIPE OR STRUCTURE NOT SHOWN IN PROFILE FOR CLARITY.
 2. REFER TO SHEET SD5 FOR GENERAL STORM DRAIN STRUCTURE/PIPE NOTES AND STRUCTURE ABBREVIATIONS USED ON SUMMARY TABLES SHOWN ON THIS SHEET.
 3. REFER TO SHEETS SD5-SD6 FOR STORM DRAIN DETAILS.

55.05 & 55.09 – STORM DRAIN STRUCTURES							
STRUCTURE ID	TYPE OF STRUCTURE	TYPE OF CASTING	STATION	OFFSET TO STRUCTURE C/L	TOP OF CASTING ELEVATION	CURB TYPE	COMMENTS
S1-1	MH I	MH	201+82.94	3.00' RT	154.38	N/A	
I1-1	CB	CI	201+82.94	15.50' LT	154.39	2	
I1-2	CB	CI	201+82.94	15.50' RT	154.39	2	
S1-2	MH I	MH	204+19.55	3.00' RT	153.55	N/A	
I1-3	CB	CI	204+19.55	15.50' LT	153.57	2	
I1-4	CB	CI	204+19.55	15.50' RT	153.57	2	
S1-3	MH I	MH	205+66.75	3.00' RT	153.57	N/A	
I1-5	CB	CI	205+66.75	15.50' LT	153.58	2	
I1-6	CB	CI	205+66.75	15.50' RT	153.58	2	

55.02 – STORM DRAIN PIPE								
PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET ELEVATION	OUTLET ELEVATION	SLOPE
P1-1	12	CPEP, S	18.50	I1-1	S1-1	150.39	150.10	2.00%
P1-2	12	CPEP, S	12.50	I1-2	S1-1	150.39	150.22	2.00%
P1-3	15	CPEP, S	236.61	S1-1	S1-2	150.01	149.31	0.30%
P1-4	12	CPEP, S	18.50	I1-3	S1-2	149.57	149.36	1.45%
P1-5	12	CPEP, S	12.50	I1-4	S1-2	149.57	149.40	2.00%
P1-6	15	CPEP, S	147.20	S1-2	S1-3	149.26	148.83	0.30%
P1-7	12	CPEP, S	18.50	I1-5	S1-3	149.08	148.88	1.38%
P1-8	12	CPEP, S	12.50	I1-6	S1-3	149.08	148.91	2.00%



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.

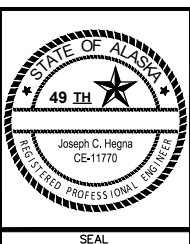
DATA TRANSFER CHECKED BY: _____ TITLE: _____

COMPANY: _____ DATE: _____

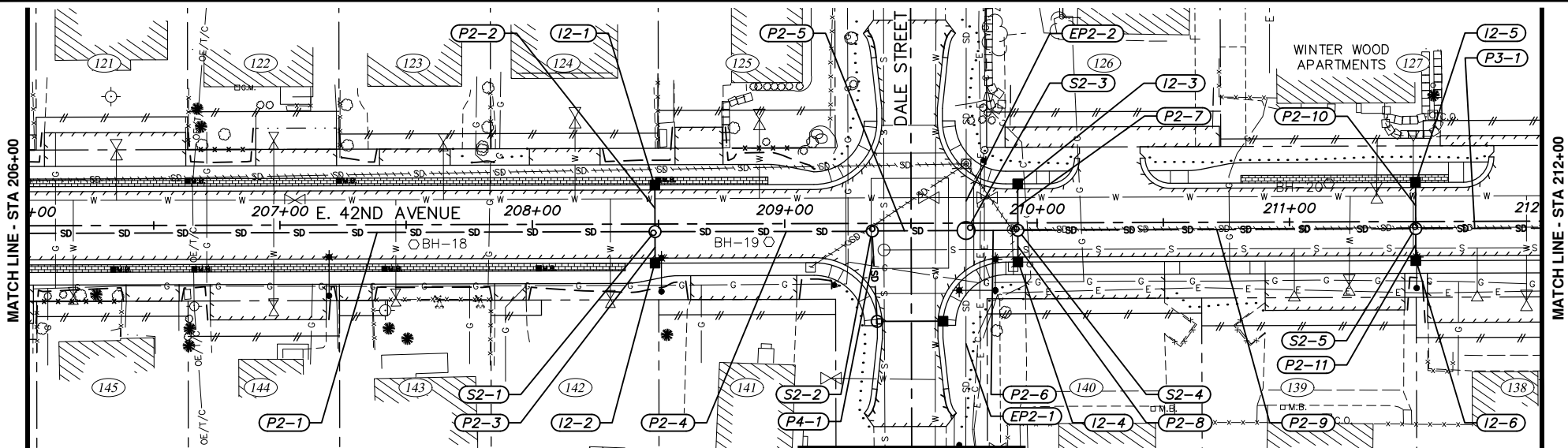
BY: _____

DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS				BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201				GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING				CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT										
CONTRACTOR										
INSPECTOR										
BASIS OF THIS DATUM GAAB 1972 ADJUST										
PLAN CHECK				CONSTRUCTION RECORD				VERTICAL DATUM		
								REVISIONS		
								CONSULTANT		
								SEAL		



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT					
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED B			
STORM DRAIN PLAN & PROFILE					
E. 42ND AVENUE BOP TO STA 206+00					
SCALE HOR. 1"=30' VER. 1"=3'	GRID SW735	DATE AUG 2022	STATUS 65%		
SD1 of SD7					



NOTES:

1. AN ASTERISK (*) DENOTES PIPE OR STRUCTURE NOT SHOWN IN PROFILE FOR CLARITY.
2. REFER TO SHEET SD5 FOR GENERAL STORM DRAIN STRUCTURE/PIPE NOTES AND STRUCTURE ABBREVIATIONS USED ON SUMMARY TABLES SHOWN ON THIS SHEET.
3. REFER TO SHEETS SD5-SD6 FOR STORM DRAIN DETAILS.

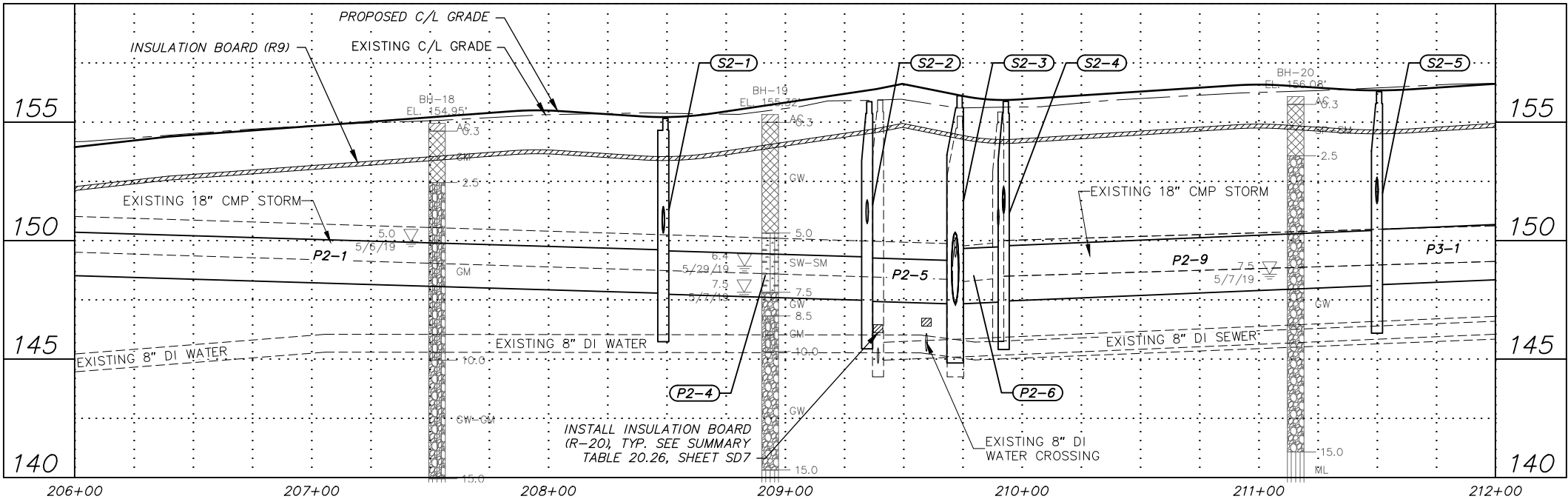
55.04, 55.05 & 55.09 – STORM DRAIN STRUCTURES

STRUCTURE ID	TYPE OF STRUCTURE	TYPE OF CASTING	STATION	OFFSET TO STRUCTURE C/L	TOP OF CASTING ELEVATION	CURB TYPE	COMMENTS
S2-1	MH I	MH	208+48.60	3.00' RT	155.10	N/A	
I2-1	CB	CI	208+48.60	15.50' LT	155.11	2	
I2-2	CB	CI	208+48.60	15.50' RT	155.11	2	
S2-2	MH I	MH	209+34.70	2.97' RT	156.31	N/A	
S2-3	MH II / CONNECT	MH	209+71.85	2.94' RT	156.06	N/A	CONNECT PIPES EP2-1 & EP2-2
S2-4	MH I	MH	209+92.35	2.92' RT	155.85	N/A	
I2-3	CB	CI	209+92.35	15.50' LT	156.06	1	
I2-4	CB	CI	209+92.35	15.50' RT	155.83	2	
S2-5	MH I	MH	211+50.00	2.81' RT	156.30	N/A	
I2-5	CB	CI	211+50.00	15.50' LT	156.47	1	
I2-6	CB	CI	211+50.00	15.50' RT	156.24	2	

55.02 – STORM DRAIN PIPE

PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET ELEVATION	OUTLET ELEVATION	SLOPE
P2-1	18	CPEP, S	281.85	S1-3	S2-1	148.78	147.95	0.30%
P2-2	12	CPEP, S	18.50	I2-1	S2-1	150.61	150.32	2.00%
P2-3	12	CPEP, S	12.50	I2-2	S2-1	150.61	150.44	2.00%
P2-4	18	CPEP, S	86.10	S2-1	S2-2	147.90	147.65	0.30%
P2-5	18	CPEP, S	37.16	S2-2	S2-3	147.60	147.50	0.31%
P2-6	24	CPEP, S	20.50	S2-4	S2-3	147.57	147.50	0.45%
P2-7	12	CPEP, S	18.42	I2-3	S2-4	151.56	151.27	2.01%
P2-8	12	CPEP, S	12.58	I2-4	S2-4	151.33	151.15	2.10%
P2-9	24	CPEP, S	157.65	S2-5	S2-4	148.26	147.62	0.42%
P2-10	12	CPEP, S	18.31	I2-5	S2-5	151.97	151.68	2.03%
P2-11	12	CPEP, S	12.69	I2-6	S2-5	151.74	151.56	2.07%

160



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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JK
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							

PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL

GRAPHIC SCALE	60	30	0	30	60



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

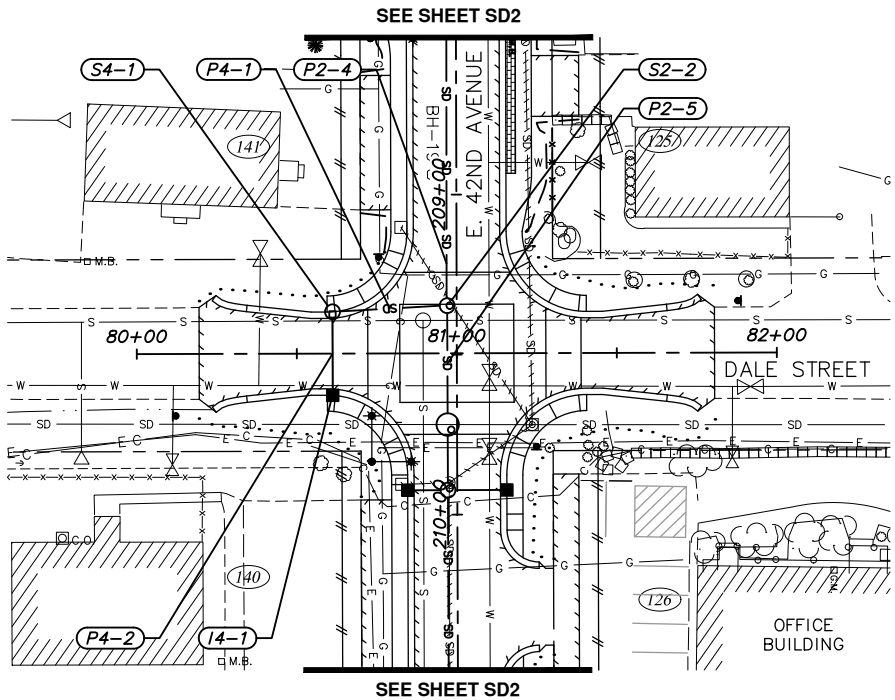
18-06 42ND AVENUE UPGRADE – PHASE 2 PIPER STREET TO FLORINA STREET SCHED B

STORM DRAIN PLAN & PROFILE

E. 42ND AVENUE STA 206+000 TO STA 212+00

SCALE HOR. 1"=30' VER. 1"=3' GRID SW735 DATE AUG 2022 STATUS 65% SHEET SD2 of SD7

File: I:\labData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Storm Drain-Plan & Profile-SideStreets_Phase 2.dwg



NOTES:

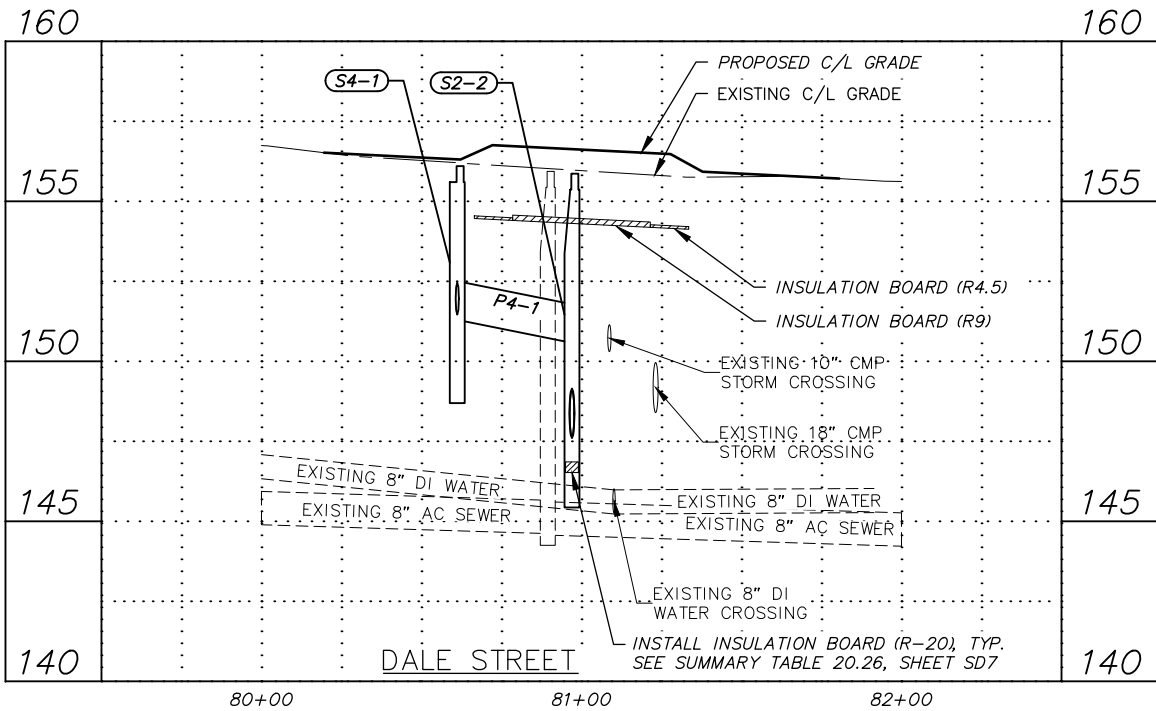
1. AN ASTERISK (*) DENOTES PIPE OR STRUCTURE NOT SHOWN IN PROFILE FOR CLARITY.
2. REFER TO SHEET SD5 FOR GENERAL STORM DRAIN STRUCTURE/PIPE NOTES AND STRUCTURE ABBREVIATIONS USED ON SUMMARY TABLES SHOWN ON THIS SHEET.
3. REFER TO SHEETS SD5-SD6 FOR STORM DRAIN DETAILS.

55.05 & 55.09 – STORM DRAIN STRUCTURES

STRUCTURE ID	TYPE OF STRUCTURE	TYPE OF CASTING	STATION	OFFSET TO STRUCTURE C/L	TOP OF CASTING ELEVATION	CURB TYPE	COMMENTS
S4-1	CB MH I	CI	80+61.18	13.06' LT	156.41	1	
14-1	CB	CI	80+61.20	13.06' RT	156.41	1	

55.02 – STORM DRAIN PIPE

PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET ELEVATION	OUTLET ELEVATION	SLOPE
P4-1	12	CPEP, S	35.89	S4-1	S2-2	151.36	150.72	2.01%
P4-2	12	CPEP, S	26.11	14-1	S4-1	151.91	151.46	2.04%



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.

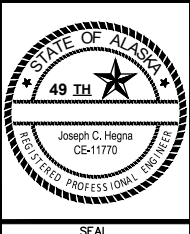
DATA TRANSFER CHECKED BY: _____ TITLE: _____

COMPANY: _____ DATE: _____

BY: _____

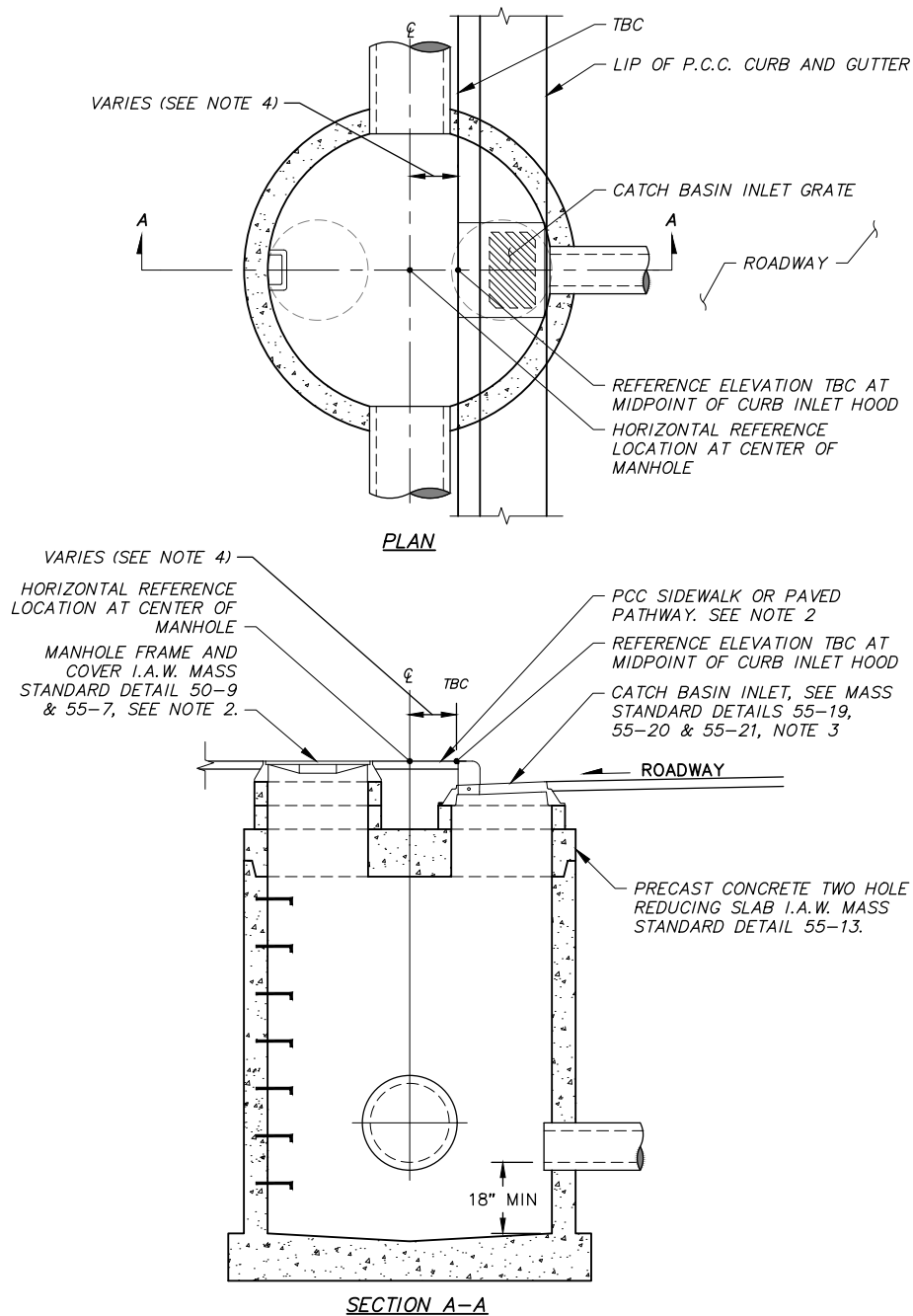
DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
REVISIONS							
CONSULTANT							
SEAL							



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT				
18-06		42ND AVENUE UPGRADE – PHASE 2 PIPER STREET TO FLORINA STREET		SCHED B
STORM DRAIN PLAN & PROFILE				
DALE STREET				
SCALE	HOR. 1"=30' VER. 1"=3'	GRID SW1735 DATE AUG 2022	STATUS 65%	SD4 of SD7 SHEET

File-L:\labData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Storm Drain Details_Phase 2.dwg



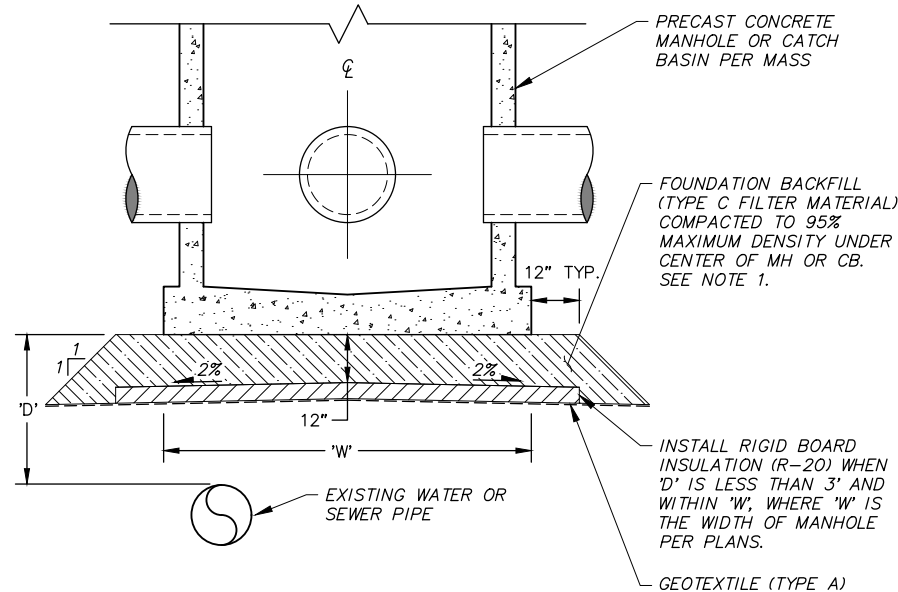
TYPE II CATCH BASIN MANHOLE NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2015 MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS AS CURRENTLY AMENDED AND AS MODIFIED ON THIS DETAIL.
- SET MANHOLE COVER 1/4-INCH BELOW PCC SIDEWALK OR PAVED PATHWAY FINISH GRADE OR PER MASS STANDARD DETAIL 55-10 FOR ALL OTHER LOCATIONS.
- MH CENTER MAY BE ON ROADWAY SIDE OF CURB LINE IN SOME LOCATIONS. ALIGN CATCH BASIN INLET WITH CURB LINE.
- OFFSET FOR STANDARD INSTALLATION IS 0.95'.

1

TYPE II CATCH BASIN MANHOLE DETAIL

SCALE: NTS



FOUNDATION BACKFILL & STORM DRAIN STRUCTURE INSULATION NOTES

- INSTALL FOUNDATION BACKFILL (TYPE C FILTER MATERIAL) AS DIRECTED BY ENGINEER OR WHERE INSULATION IS REQUIRED. PAYMENT FOR GEOTEXTILE SHALL BE INCIDENTAL TO PAY ITEM 20.19 FOUNDATION BACKFILL (TYPE C FILTER MATERIAL).

2

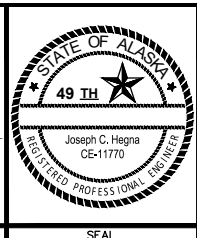
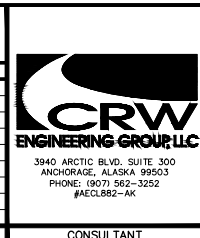
FOUNDATION BACKFILL & STORM DRAIN STRUCTURE INSULATION DETAIL

SCALE: NTS

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: _____ DATE: _____	
BY: _____ TITLE: _____	
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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
PLAN CHECK							
CONSTRUCTION RECORD							
VERTICAL DATUM							
REVISIONS							



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED B	
STORM DRAIN DETAILS			
SCALE	HOR. NTS VER. NTS	GRID SW1735 DATE AUG 2022	STATUS 65% SHEET
SD6 of SD7			

20.26 – INSULATION BOARD (R-20) – PIPE CROSSINGS & STORM DRAIN INSULATION							
SHEET	BEGIN STATION	END STATION	OFFSET	WIDTH (FT)	LENGTH (FT)	AREA (SF)	COMMENTS

TO BE COMPLETED FOR 95% DESIGN

File-I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\01 Civil\02 Phase 2\10142.00 Storm Drain Details_Phase 2.dwg

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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS		BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201		GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING		CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT								
CONTRACTOR								
INSPECTOR								
BASIS OF THIS DATUM GAAB 1972 ADJUST								
PLAN CHECK		CONSTRUCTION RECORD		VERTICAL DATUM		REVISIONS		CONSULTANT



3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
#AECCL882-AK



SEAL



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

18-06

42ND AVENUE UPGRADE – PHASE 2
PIPER STREET TO FLORINA STREET

SCHED B

STORM DRAIN SUMMARY TABLES

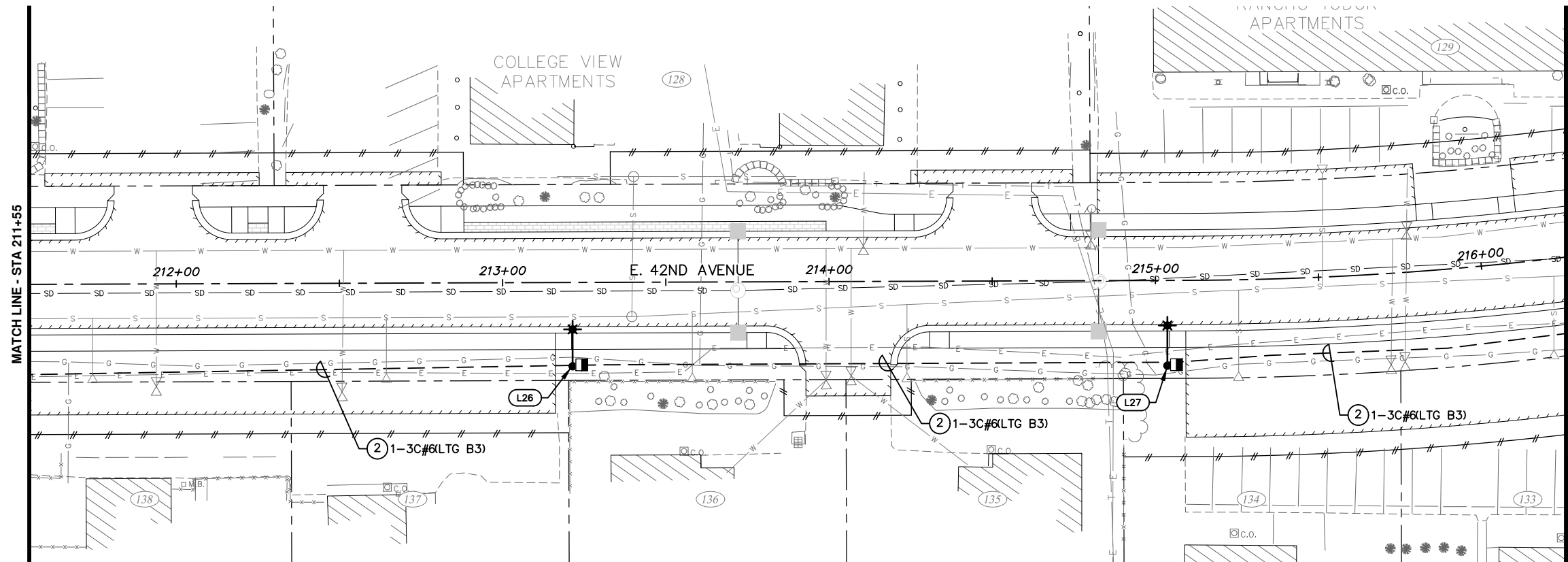
SCALE HOR. NTS
VER. NTS

GRID SW1735
DATE AUG 2022

STATUS 65%

SHEET SD7 of SD7

File: I:\JobData\10142.00 42nd Avenue Upgrade\00 CADD\01 Working Set\03 Electrical\Phase 2\10142.00 Illumination Plan Ph. 2.dwg

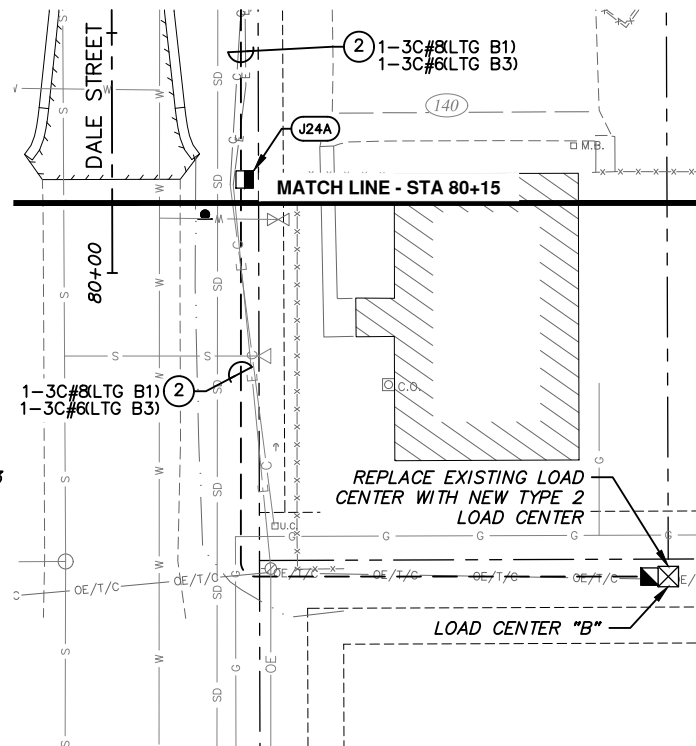
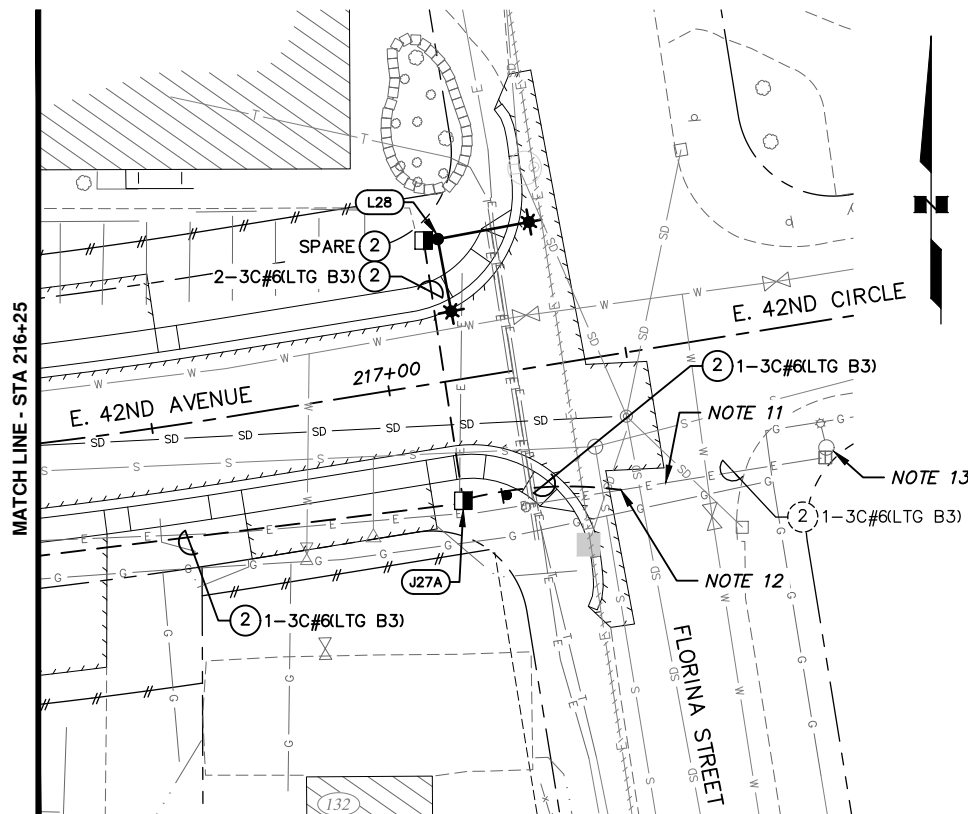


LEGEND

EXISTING	PROPOSED	
		CONDUIT/CONDUCTOR RUN BELOW GRADE
		LUMINAIRE
		TYPE 1A JUNCTION BOX
		TYPE 2 JUNCTION BOX
		TYPE 2 LOAD CENTER

CONDUIT SIZE
OF CABLES
OF CONDUCTORS PER CABLE
CIRCUIT #
TYPE OF CIRCUIT
SIZE OF CONDUCTORS
NEW CONDUIT/CONDUCTOR TAG

CONDUIT SIZE
OF CABLES (E) = EXISTING
OF CONDUCTORS PER CABLE
TYPE OF CIRCUIT
SIZE OF CONDUCTORS
EXISTING CONDUIT/
NEW CONDUCTOR TAG



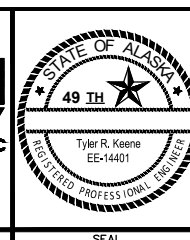
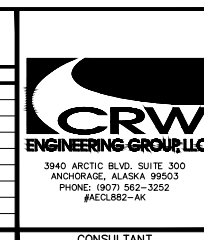
ILLUMINATION NOTES:

- PROVIDE HOT DIP GALVANIZED STEEL POLES WITH MAST ARMS PER MOA STANDARD DETAILS 80-19 AND 80-20, RESPECTIVELY.
- ALL LUMINAIRE POLE FOUNDATIONS SHALL BE DRIVEN PILE UNLESS OTHERWISE NOTED ON THE DRAWINGS. PILE EMBEDMENT DEPTH SHALL BE 15' MINIMUM. LUMINAIRE POLE FOUNDATION SHALL BE LOCATED A MINIMUM OF 3 FEET FROM BACK OF SIDEWALK/PATHWAY OR A MINIMUM OF 7 FEET FROM BACK OF CURB. WHEN POLE LOCATION IS WITHIN 10' OF A UTILITY, EXCAVATE A HOLE TO 12" BELOW ANTICIPATED UTILITIES DEPTH WITH A VACTOR TRUCK BEFORE DRIVING PILE. THIS WORK SHALL BE INCIDENTAL TO THE SECTION 80.04 PAY ITEM. SEE MASS DETAIL 80-13. CONTRACTOR SHALL STAKE LUMINAIRE POLE LOCATIONS IN THE FIELD FOR ENGINEERS REVIEW AND APPROVAL PRIOR TO INSTALLATION OF PILES.
- INSTALL THE POLES WITH FIXED BASES PER MOA DETAIL 80-21.
- LUMINAIRES APPROVED FOR SUBSTITUTION SHALL PROVIDE THE LIGHT LEVELS AND UNIFORMITIES INDICATED IN THE LIGHT LEVELS TABLE.
- PROVIDE THE POLE SHAFT LENGTHS AND MAST ARM LENGTHS SHOWN IN THE ROADWAY LUMINAIRE SCHEDULE.
- PROVIDE RIGID METAL CONDUIT (RMC) WITH A BARE, STRANDED COPPER GROUND FOR ALL RACEWAYS. GROUND TO BE SIZED TO EQUAL LARGEST CONDUCTOR SIZE IN CONDUIT, MINIMUM #8 AWG.
- PROVIDE ONE SPARE 2" RMC WITH PULL ROPE BETWEEN THE JUNCTION BOXES ADJACENT TO EVERY ROAD CROSSING.
- PROVIDE A 3 CONDUCTOR CABLE FOR EACH BRANCH CIRCUIT. SIZE AS SHOWN ON THE DRAWINGS.
- INSTALL THE JUNCTION BOX WITHIN 3' OF THE POLE OR LOAD CENTER. DO NOT INSTALL JUNCTION BOXES IN SIDEWALKS, PATHWAYS, TRAILS, OR DRAINAGE DITCHES. JUNCTION BOXES INSTALLED BEHIND SIDEWALKS, PATHWAYS OR TRAILS SHALL HAVE A MINIMUM SETBACK OF 2' AND BE PLACED BEHIND OR ON THE DOWN TRAFFIC SIDE OF FOUNDATIONS.
- IN THE DRAWINGS, EACH JUNCTION BOX HAS THE SAME IDENTIFYING NUMBER AS THE LIGHT POLE OR LOAD CENTER NEXT TO IT. FOR JUNCTION BOXES LOCATED BETWEEN POLES, THE IDENTIFYING NUMBER INCLUDES THE SMALLER OF THE TWO POLE NUMBERS BETWEEN WHICH THE JUNCTION BOX IS LOCATED AND AN "A" SUFFIX.
- DISCONNECT AND REMOVE EXISTING CONDUCTORS FROM THE EXISTING POLE TO THE SOUTHEAST OF THE INTERSECTION BACK TO THE SOURCE TO THE WEST.
- INTERSECT EXISTING CONDUIT WITH NEW CONDUIT WHERE EXISTING CONDUIT DOES NOT INTERFERE WITH NEW WORK. USE SHUR-LOCK II CONDUIT COUPLER OR APPROVED EQUAL TO CONNECT EXISTING CONDUIT TO NEW CONDUIT. REMOVE CONDUIT THAT INTERFERES WITH NEW WORK TO THE WEST OF THE CONNECTION POINT WITH NEW CONDUIT. ABANDONED CONDUIT THAT DOES NOT INTERFERE WITH NEW WORK.
- CONNECT NEW CONDUCTORS TO EXISTING FUSED CONNECTOR IN POLE HANDHOLE TO POWER EXISTING LIGHTING FOR E. 42ND CIRCLE.

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: DATE:
COMPANY:	
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: DATE:
COMPANY:	
BY:	

DATA	DRAWN BY	CHECKED BY
BASE	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	JH	TK
ELECTRIC	RB	EJ
DESIGN	RB	JK
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198 & 201	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
STAKING	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT			
18-06	42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET	SCHED C	
ILLUMINATION PLAN			
E. 42ND AVENUE STA 211+55 TO EOP			
SCALE HOR. 1"=20' VER. N/A	GRID SW735	DATE AUG 2022	STATUS 65%
SHEET 12 of 14			

LIGHT LEVELS TABLE						
LOCATION	MOA REQUIRED MIN. AVERAGE ILLUMINANCE (FC)	AVERAGE DESIGN ILLUMINANCE (FC)	MOA REQUIRED MAXIMUM UNIFORMITY RATIO	DESIGN UNIFORMITY RATIO	MOA REQUIRED MAX. VEILING LUMINANCE RATIO	DESIGN VEILING LUMINANCE RATIO
42ND AVENUE	0.7	0.9	6.0:1	3.0:1	0.4:1	0.4:1
42ND AVENUE/DALE STREET INTX	1.4	1.4	6.0:1	3.5:1	—	—
42ND AVENUE/FLORINA STREET INTX	1.4	1.7	6.0:1	4.4:1	—	—
SIDEWALKS	0.5	0.6	4.0:1	3.2:1	—	—


NOTES:

1. MOA REQUIREMENTS ARE FROM 2007 DCM CHAPTER 5 FOR A LOCAL ROADWAY WITH MEDIUM PEDESTRIAN CONFLICT (MEDIUM DENSITY RESIDENTIAL).
2. ALL INTERSECTIONS ARE CLASSIFIED AS LOCAL/LOCAL FOR THE PROJECT AREA.
3. LIGHT LOSS FACTOR (LLF) = 0.85.
4. MOUNTING HEIGHTS ARE 30'.
5. GE CURRENT EVOLVE ERL LED STREETLIGHTS WERE USED AS THE BASIS OF DESIGN.

ROADWAY LUMINAIRE SCHEDULE							
POLE	STATION	OFFSET	SHAFT LENGTH	MAST ARM LENGTH	LUMENS	DISTRIBUTION	CIRCUIT
L18	200+80.2	27.80 RT	27'	13'	8,000	TYPE 2, MEDIUM	B1
L19	202+43.4	27.94 RT	27'	13'	10,000	TYPE 2, MEDIUM	B1
L20	204+16.5	28.80 RT	27'	13'	8,000	TYPE 2, MEDIUM	B1
L21	205+73.5	25.83 RT	26'	14'	8,000	TYPE 2, MEDIUM	B1
L22	207+19.4	28.00 RT	26'	14'	8,000	TYPE 2, MEDIUM	B1
L23	208+51.1	26.75 RT	27'	12'	8,000	TYPE 2, MEDIUM	B1
L24	209+83.4	26.68 RT	27'	11'	8,000	TYPE 2, MEDIUM	B1
				13'*	8,000	TYPE 2, MEDIUM	B1
L25	211+50.3	26.40 RT	28'	11'	10,000	TYPE 2, MEDIUM	B3
L26	213+21.4	25.67 RT	28'	10'	10,000	TYPE 2, MEDIUM	B3
L27	215+03.6	26.20 RT	28'	11'	10,000	TYPE 2, MEDIUM	B3
L28	217+15.1	29.59 LT	26'	14'	14,000	TYPE 2, MEDIUM	B3
				18'**	10,000	TYPE 2, MEDIUM	B3

* = WEST MAST ARM

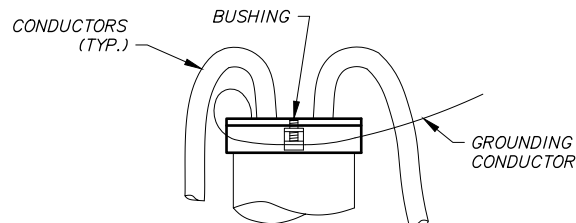
** = EAST MAST ARM

LUMINAIRE DEFINITION										
TYPE	SYMBOL	MAKE	MODEL	LAMP	CCT*	DISTRIBUTION	VOLTAGE	COLOR	OPTIONS	MOUNT
ROADWAY		GE	ERL	SEE LUMINAIRE SCHEDULE	4000K	SEE LUMINAIRE SCHEDULE	240	GREY	7-PIN RECEPTACLE WITH SHORTING CAP, BACKLIGHT SHIELD	MAST ARM

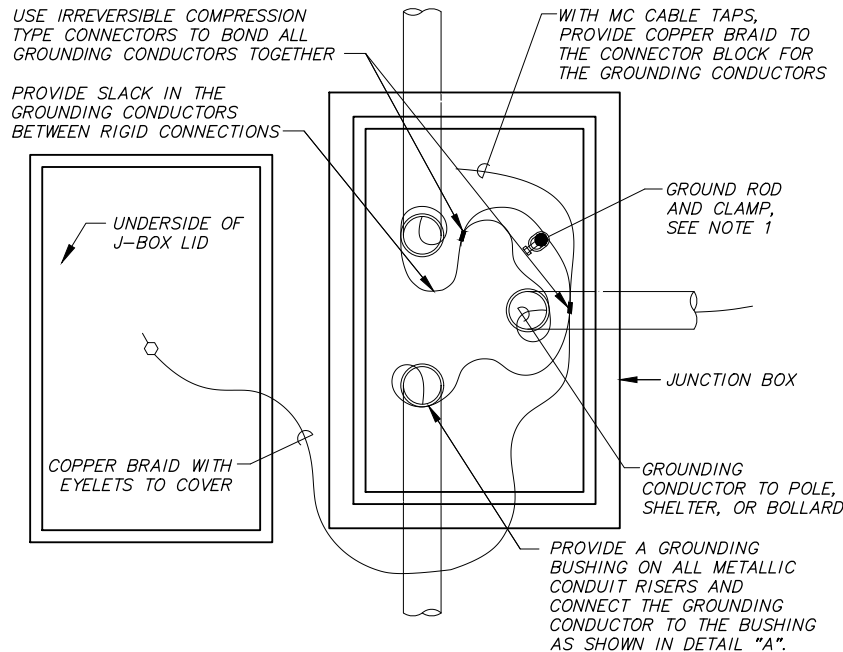
*CCT = CORRELATED COLOR TEMPERATURE

JUNCTION BOX SCHEDULE				
J-BOX	TYPE	CIRCUIT	STATION	OFFSET
J23A	1A	B1	209+19.2	27.50 RT
J24A	1A	B1, B3	80+19.3	27.50 RT
J27A	1A	B3	217+11.6	25.00 RT

NOTE: ONLY JUNCTION BOXES NOT ASSOCIATED WITH AN LUMINAIRE OR LOAD CENTER ARE SHOWN IN THIS TABLE.



DETAIL A



3

JUNCTION BOX GROUNDING DETAIL

NTS

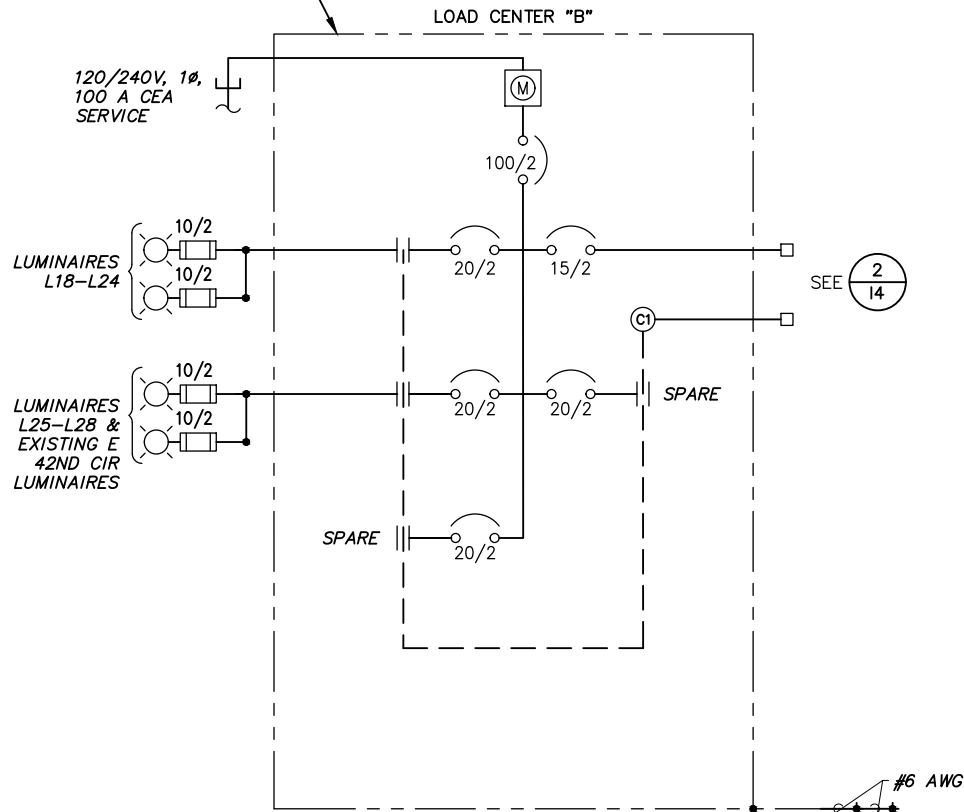
ONLY GROUNDING
CONDUCTORS ARE SH
FOR CLARITY

JUNCTION BOX GROUNDING NOTES:

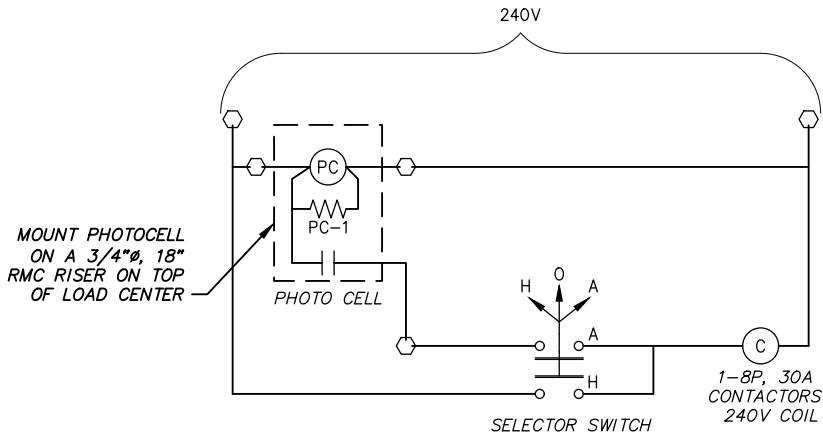
1. PROVIDE A 3/4"x10' CU-CLAD STEEL GROUND ROD IN ALL JUNCTION BOXES NOT ASSOCIATED WITH A LOAD CENTER OR A LIGHT POLE. ATTACH GROUND ROD TO THE JUNCTION BOX GROUNDING SYSTEM. THE GROUND ROD SHALL BE INCIDENTAL TO THE JUNCTION BOX PAY ITEM.

RECORD DRAWING										PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT									
1. DATA PROVIDED BY: _____ TITLE: _____										18-06 42ND AVENUE UPGRADE - PHASE 2 SCHED C									
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.										PIPER STREET TO FLORINA STREET									
CONTRACTOR: _____ TITLE: _____ DATE: _____										ILLUMINATION SCHEDULES AND DETAILS									
2. DATA TRANSFERRED BY: _____ TITLE: _____										3940 ARCTIC BLVD. SUITE 300									
COMPANY: _____ DATE: _____										ANCHORAGE, ALASKA 99503									
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.										PHONE: (907) 562-3252									
DATA TRANSFER CHECKED BY: _____ TITLE: _____										#AECL682-AK									
COMPANY: _____ DATE: _____										REGISTERED PROFESSIONAL ENGINEER									
BY: _____										TYLER R. KEANE EE-14401									
										MUNICIPALITY OF ANCHORAGE									
										</									

PLACE PLACARD ON FRONT OF LOAD CENTER INSCRIBED WITH THE FOLLOWING:
MAXIMUM FAULT CURRENT = #####
CALCULATED ###/###/####



1 LOAD CENTER "B" POWER ONE-LINE
NTS



2 LOAD CENTER PHOTOELECTRIC CONTROL SCHEMATIC
NTS

LOAD CENTER NO. B TYPE: 2
LOCATION: FIELD LOCATE EAST OF DALE STREET AT LOCATION OF LOAD CENTER BEING REPLACED
1-8 POLE, 30 AMP CONTACTORS
MAIN BREAKER A: 2 POLE, 100 AMPS, 240 VOLTS

PANEL A 100 AMPS MAIN LUGS, 120/240 VOLTS SINGLE PHASE 3 WIRE
10,000 AMPS INTERRUPT CAPACITY

CKT.	CIRCUIT DESCRIPTION	KVA	AMP		AMP	KVA	CIRCUIT DESCRIPTION	CKT.
B1	LUMINAIRES L18-L24	0.7	20/2	1	15/2	0.2	PHOTOELECTRIC CONTROL	B2
B3	LUMINAIRES L25-28, EXSITING E 42ND CIR LUMINAIRES	0.8	20/2	3	20/2		SPARE	B4
B5	SPARE		20/2	5				
				7				
				9				
				11				
				13				
				15				
				17				
				19				

TOTAL CONNECTED LOAD = 1.6 KVA
TOTAL AMPS = 6.8 A

VOLTAGE DROPS					
CIRCUIT	SIZE	LENGTH	VOLTAGE	CURRENT	V.D.
B1	#8 AWG	1106	240V	2.75A	2.04%
B2*	#6 AWG	1454	240V	3.23A	2.03%

*= INCLUDES ESTIMATED LENGTH OF EXISTING CIRCUIT BEING INTERCEPTED.



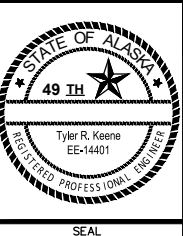
3 LOAD CENTER "B" ARC FLASH WARNING LABEL
NTS

- LOAD CENTER NOTES:
1. PLACARDS FOR LOAD CENTERS SHALL HAVE SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. CONTACT ENGINEER PRIOR TO ORDER OF PLACARD TO VERIFY MAXIMUM FAULT CURRENT.
 2. LABEL THE FRONT WITH 3M SCOTCHCAL REFLECTIVE DECALS NOTING OWNERSHIP: MOA, PURPOSE: LU (ILLUMINATION) AND THE VOLTAGE.
 3. PROVIDE ARC FLASH WARNING LABELS WITH INCIDENT ENERGY VALUES AND PERSONAL PROTECTIVE EQUIPMENT (PPE) ON EACH PIECE OF EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.16 AND NFPA 70E.

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: _____ DATE: _____
BY: _____
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	TS	AR
TOPOGRAPHY	TS	AR
PROFILE	RB	EJ
STORM SEWER	AA	JH
WATER/SANITARY SEWER	AA	JK
GAS	TS	AR
TELEPHONE	TS	AR
ELECTRIC	JH	TK
DESIGN	RB	EJ
QUANTITIES	RB	JK
PRELIMINARY/FINAL	RB	JK
MUNICIPAL/STATE	RB	JK

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN CRW BOOK No. 197, 198	GAAB 69	See MOA Benchmark Book, Page D-22	162.47				
& 201	CB 7B	See MOA Benchmark Book, Page D-18	161.20				
STAKING							
ASBUILT							
CONTRACTOR							
INSPECTOR							
BASIS OF THIS DATUM GAAB 1972 ADJUST							
PLAN CHECK							
CONSTRUCTION RECORD							
VERTICAL DATUM							
REVISIONS							



PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT					
18-06		42ND AVENUE UPGRADE - PHASE 2 PIPER STREET TO FLORINA STREET		SCHED C	
LC-B PLAN AND SCHEDULES					
SCALE		HOR. 1"=20' VER. N/A		GRID SW1735	
		DATE AUG 2022		STATUS 65%	
		SHEET		14 of 14	