



## **MUNICIPALITY OF ANCHORAGE**

# PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

# W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

PROJECT NUMBER: 20-24 SEPTEMBER 2020

95% DESIGN

PREPARED BY:



APPROVED BY:

KENT KOHLHASE, P.E. MUNICIPAL ENGINEER

SHEET NO.	DESCRIPTION	WORK SCHEDU
GENERAL		T SOMEDI
G1	COVER SHEET	ALL
G2	INDEX	ALL
G3	GENERAL NOTES	ALL
G4	LEGEND AND ABBREVIATIONS	ALL
G5	KEY MAP	ALL
SURVEY	•	'
V1	SURVEY CONTROL	ALL
V2	SURVEY CONTROL	ALL
V3	SURVEY CONTROL	ALL
V4	SURVEY CONTROL	ALL
V5	SURVEY CONTROL	ALL
V6	RIGHT OF WAY MAP	ALL
V7	RIGHT OF WAY MAP	ALL
V8	RIGHT OF WAY MAP	ALL
V9	RIGHT OF WAY MAP	ALL
V10	RIGHT OF WAY MAP	ALL
V11	EASEMENT & PERMIT INDEX MAP	ALL
V12	EASEMENT & PERMIT INDEX MAP	ALL
V13	EASEMENT & PERMIT INDEX MAP	ALL
V14	EASEMENT & PERMIT INDEX MAP	ALL
V15	EASEMENT & PERMIT INDEX MAP	ALL
DEMOLITION	ENSEMBLY & PERMIT MADEX MAT	7122
B1	DEMOLITION PLAN	ALL
B2	DEMOLITION PLAN	ALL
B3	DEMOLITION PLAN	ALL
B4	DEMOLITION PLAN	ALL
B5	DEMOLITION SUMMARY TABLES	ALL
B5	DEMOLITION SUMMARY TABLES	ALL
B0	DEMOLITION SUMMARY TABLES	ALL
B8	DEMOLITION SUMMARY TABLES	ALL
TYPICAL SECT	· ·	ALL
C1	TYPICAL SECTIONS	SCHED A
C2	TYPICAL SECTIONS	SCHED A
C2	TYPICAL SECTIONS	SCHED A
C4	TYPICAL SECTIONS	SCHED A
C5	TYPICAL SECTIONS	SCHED A
	TIPICAL SECTIONS	SCHED A
ROADWAY	DOADWAY DIANI & DDOELLE	COLLED
R1 R2	ROADWAY PLAN & PROFILE	SCHED A
	ROADWAY PLAN & PROFILE	SCHED A
R3 R4	ROADWAY PLAN & PROFILE  PATHWAY PLAN & PROFILE	SCHED A
R5	INTERSECTION LAYOUT PLAN	SCHED A
R6	INTERSECTION LAYOUT TABLE	SCHED A
R7	INTERSECTION LAYOUT TABLE	SCHED A
R8	INTERSECTION LAYOUT PLAN	SCHED A
R9	INTERSECTION LAYOUT PLAN	SCHED A
R10	INTERSECTION LAYOUT PLAN	SCHED A
R11	DRIVEWAY RECONSTRUCTION PLAN	SCHED A
ROADWAY SUM		Т.
T1	ROADWAY SUMMARY TABLES	SCHED A
T2	ROADWAY SUMMARY TABLES	SCHED A
Т3	ROADWAY SUMMARY TABLES	SCHED A
T4	ROADWAY SUMMARY TABLES	SCHED A

SHEET INDEX

	SHEET INDEX DESCRIPTION	WORK				
SHEET NO.	SCHEDULE					
ROADWAY DETA	AILS					
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				
STRUCTURES &	RETAINING WALLS					
RW1	RETAINING WALL PLAN & PROFILE	SCHED A				
RW2	ELEVATED SIDEWALK PLAN & PROFILE	SCHED A				
RW3	RETAINING WALL DETAILS	SCHED A				
RW4	ELEVATED SIDEWALK DETAILS	SCHED A				
RW5	CONCRETE STAIR AND DRIVEWAY DETAILS	SCHED A				
SIGNING & STE	RIPING					
S1	SIGNING & STRIPING PLAN	SCHED A				
S2	SIGNING & STRIPING PLAN	SCHED A				
S3	SIGNING & STRIPING PLAN	SCHED A				
S4	SIGNING & STRIPING PLAN	SCHED A				
S5	SIGNING & STRIPING PLAN	SCHED A				
S6	SCHED A					
S7	SIGN SCHEDULE SUMMARY	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 DETAILS	SCHED B				
SD5	STORM DRAIN DETAILS	SCHED B				
SD6	STORM DRAIN DETAILS	SCHED B				
ILLUMINATION						
I1	ILLUMINATION PLAN	SCHED C				
12	ILLUMINATION PLAN	SCHED C				
13	ILLUMINATION PLAN	SCHED C				
14	ILLUMINATION SCHEDULES	SCHED C				
15	LOAD CENTER DETAILS	SCHED C				
16	ILLUMINATION DETAILS	SCHED C				
17	PEDESTRIAN LIGHT COLUMN DETAILS	SCHED C				
SIGNALIZATION	<u> </u>					
J1	SIGNAL LEGEND & NOTES	SCHED C				
J2	C STREET SIGNAL PLAN	SCHED C				
J3	C STREET SIGNAL WIRING PLAN	SCHED C				
J4	C STREET SIGNAL DETAILS	SCHED C				
J5	PAN, TILT, ZOOM, CAMERA MOUNTING DETAILS	SCHED C				
J6	RADAR DETECTION DETAILS	SCHED C				
LANDSCAPING						
L1	LANDSCAPE PLAN AND SCEHDULE	SCHED D				
L2	LANDSCAPE ENLARGEMENT	SCHED D				
L3	LANDSCAPE ENLARGEMENT	SCHED D				
L4	LANDSCAPE ENLARGEMENT	SCHED D				
L5 LANDSCAPE DETAILS SCHED						

WORK SCHEDULES	
A	ROADWAY IMPROVEMENTS
В	DRAINAGE IMPROVEMENTS
С	ILLUMINATION & SIGNALIZATION IMPROVEMENTS
D	LANDSCAPING IMPROVEMENTS

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

CONTRACTOR: \_\_\_\_\_\_ TITLE: \_\_\_\_ \_\_\_\_\_ DATE: \_\_\_\_ DATA TRANSFER CHECKED BY: \_\_\_\_\_ COMPANY: \_\_

195 & 196 RB JK ASBUILT
RB JK CONTRACTOR
RB JK INSPECTOR
RB JK DESIGN QUANTITIES

 
 BM NO.
 LOCATION
 ELEV.

 CB 7D
 See MOA Benchmark Book, Page D-56
 94.77

 CB 7C
 See MOA Benchmark Book, Page D-17
 106.10

 GAAB 86
 See MOA Benchmark Book, Page D-18
 104.53
 BASIS OF THIS DATUM GAAB 1972 ADJUST







PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

INDEX

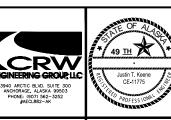
SCALE HOR. N/A VER. N/A GRID SW1629, SW1630 G2 of G5 DATE SEPT 2020 STATUS 95%

#### GENERAL NOTES

- 1. ALL WORK WILL 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 WILL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL FEATURES AND UTILITIES ENCOUNTERED AND RECORD THEIR LOCATION ON THE CONTRACT RECORD DRAWINGS. DISCREPANCIES WILL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
- 3. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED ON THE PROJECT SITE. COPIES WILL BE GIVEN TO THE ENGINEER.
- 4. ALL WORK IN CLOSE PROXIMITY TO EXISTING OVERHEAD TELEPHONE AND ELECTRIC UTILITIES WILL 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 WILL BE DETERMINED IN THE FIELD BY THE ENGINEER DURING CONSTRUCTION OPERATIONS
- 6. GEOTECHNICAL (SOILS) INFORMATION IS INCLUDED IN THE CONTRACT DOCUMENTS.
- 7. ALL WORK WILL 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. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION, UNLESS OTHERWISE NOTED. REVEGETATION WILL BE IN ACCORDANCE WITH THE PLANS AND
- 8. CONTRACTOR WILL 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 WILL BE MADE. DISTURBED AREAS NOT BEING PAVED WILL BE TOPSOILED AND SEEDED WITH SCHEDULE A SEEDING MIX UNLESS
- 9. PROJECT CLEARING AND GRUBBING LIMITS WILL COINCIDE WITH THE LIMITS OF DISTURBANCE AS SHOWN ON THE DEMOLITION (B) SHEETS. CONTRACTOR WILL OBTAIN APPROVAL OF THE CLEARING AND GRUBBING LIMITS BY THE ENGINEER PRIOR TO CLEARING AND GRUBBING, SEE SPECIFICATIONS FOR MORE INFORMATION. CONTRACTOR WILL CLEAR TREE BRANCHES/LIMBS PER TREE CLEARING DETAILS SHOWN ON SHEET D6.
- 10 SLOPE LIMITS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR WILL DETERMINE THE ACTUAL SLOPE LIMITS BASED ON PRECONSTRUCTION SURVEY DATA
- 11. IN PREPARATION FOR AND IMMEDIATELY PRIOR TO PAVING, THE CONTRACTOR WILL 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 WILL BE SKEWED 15" - 25" PER DETAIL 3, SHEET D4. TACK COAT WILL BE APPLIED BY CONTRACTOR TO THE SAWN FACE OF ASPHALT PRIOR TO BEGINNING PAVING.
- 12. PAVEMENT CROSS SLOPE ON SIDE STREETS WILL 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 WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE.
- 14. ALL ORGANIC MATERIAL WILL BE REMOVED FROM THE SUBGRADE TO A DEPTH TO BE DETERMINED BY THE ENGINEER. NO ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL WILL BE UTILIZED FOR BACKFILL.
- 15. THE CONTRACTOR WILL SUBMIT RECORD SURVEY NOTES WITH THE RECORD DRAWINGS.
- 16. EXCAVATION WILL BE MEASURED BY EXCAVATED CROSS—SECTION AND WILL 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 NOT 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. THE EASEMENTS AND TEMPORARY CONSTRUCTION PERMITS ACQUIRED FOR THIS PROJECT MAY HAVE RESTRICTIONS. SEE CONTRACT DOCUMENTS FOR RESTRICTIONS.
- 19. ALL CURB LOCATIONS, RADIUS MEASUREMENTS AND ELEVATIONS ARE TO THE TOP BACK OF CURB (TBC) UNLESS OTHERWISE NOTED.
- 20. 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 WILL BE REQUIRED. SEWER/STORM DRAIN PIPE JOINTS WILL BE PLACED AT LEAST NINE (9) FEET FROM
- 21. EXISTING WATER AND SEWER SERVICE LINES ARE NOT SHOWN IN THE PROFILES UNLESS SPECIFICALLY CALLED OUT.
- 22. WATER RESULTING FROM THE CONTRACTOR'S DEWATERING EFFORT MAY NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS OR SANITARY SEWERS UNLESS REQUIRED PERMITS. INCLUDING, BUT NOT LIMITED TO PERMITS FROM THE MOA STORM WATER PLAN REVIEW OFFICE AWWL AND THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION ARE OBTAINED BY THE CONTRACTOR. LINDER NO CIRCLIMSTANCES SHALL THE CONTRACTOR BE ALLOWED TO DIVERT WATER FROM EXCAVATION ONTO ROADWAYS. THE CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR WILL PROVIDE COPIES OF PERMITS AND APPROVALS TO THE ENGINEER AND MOA ROW PERMIT OFFICE PRIOR TO BEGINNING DEWATERING.
- 23. ALL CURB AND GUTTER INCLUDING SPILL CURB WILL 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
- 24. EXISTING UTILITIES AND PROPOSED UTILITIES ARE NOT SHOWN IN THE TYPICAL CROSS SECTIONS.
- 25. THE MATCH EXISTING ELEVATIONS AS SHOWN IN THE PLANS ARE APPROXIMATE. CONTRACTOR WILL ADJUST PROPOSED GRADES AS REQUIRED TO MATCH INTO EXISTING ELEVATIONS PER THE DIRECTION OF THE ENGINEER.
- 26. ALL FILL, USABLE EXCAVATION, AND TRENCH BACKFILL WILL 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 WILL BE PLACED IN LIFTS NOT EXCEEDING 12-INCHES.
- 27. CAUTION!!! THERE ARE EXISTING BUILDING FOUNDATIONS AT UNKNOWN LOCATIONS AND DEPTHS NEAR OR WITHIN THE PROJECT LIMITS. IT WILL 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 WILL REPAIR BUILDING FOUNDATIONS THAT ARE DAMAGED BY CONTRACTOR'S OPERATIONS AT NO COST TO OWNER.
- 28. FIRE HYDRANTS WILL 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.
- 29. SEE SPECIAL PROVISIONS SECTION 10.05.34 FOR AWWU COORDINATION PLAN REQUIREMENTS TO ENSURE AWWU (PARCEL 183) DAILY OPERATIONS WILL BE ABLE TO FUNCTION WITHOUT IMPACTS DURING THE DURATION OF CONSTRUCTION OPERATIONS.

	COND DIVINITO		
1.	DATA PROVIDED BY:	_ TITLE:	BAS
	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A	A TRUE AND ACCURATE REPRESENTATION	TOP
	OF THE PROJECT AS CONSTRUCTED.		PRO
	CONTRACTOR:		STO
	BY: TITLE:	DATE:	
2.	DATA TRANSFERRED BY:	_ TITLE:	GAS
	COMPANY:	DATE:	TEL
	BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN		ELE
J.	SUPERVISION). THE CONTRACTOR-PROVIDED DATA APPEARS TO REPR	RESENT THE PROJECT AS CONSTRUCTED	DES
	DATA TRANSFER CHECKED BY:		QU/
	COMPANY:		PRE
			MUI
	BY:		

DATA	BY	CHECKED								
BASE	TS	MJ								
TOPOGRAPHY	BW	BW								
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77				
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10				
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53				
TELEPHONE	RK	JK								
ELECTRIC	JH	TK								
DESIGN	RB	JK	ASBUILT							
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST					
PRELIMINARY/FINAL	RB	JK	INSPECTOR							
MUNICIPAL/STATE	RB	JK								
PLAN C	CHECK		CONSTRUCTION RECORD		VERTICAL DATUM				REVISIONS	





Alaska Digline, Inc.

Military Fuel Lines

State Storm Drains

#### PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD 20 - 24

CALL BEFORE YOU DIG!!!

GENERAL NOTES

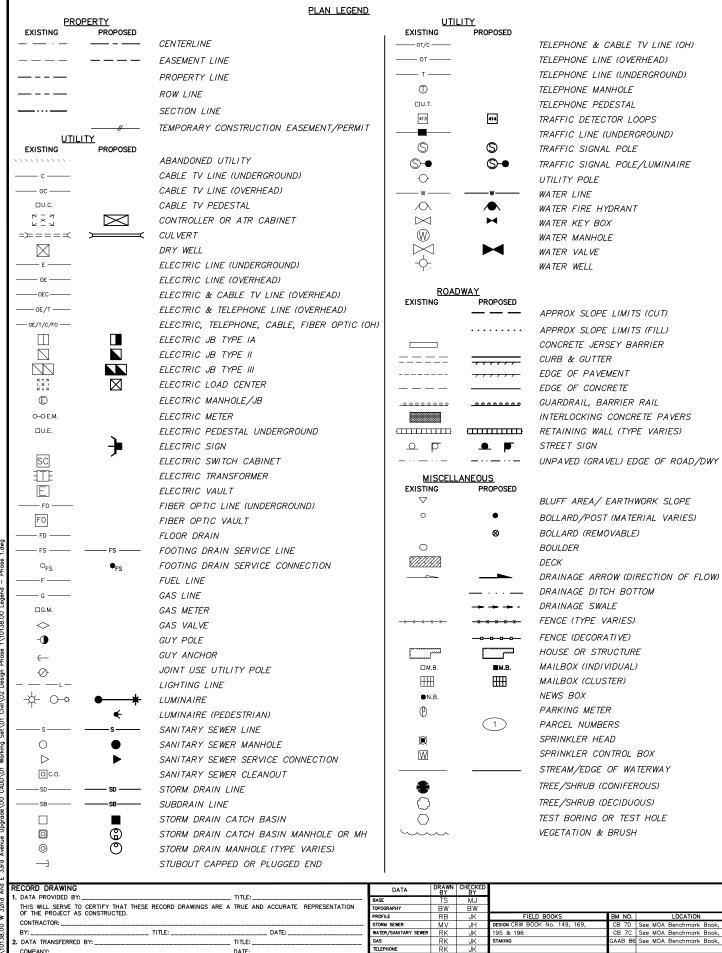
GRID SW1629, SW1630 HOR, N/A

G3<sub>of</sub>G5

265-2520

ATE SEDT 2020

ORD DRAWIN

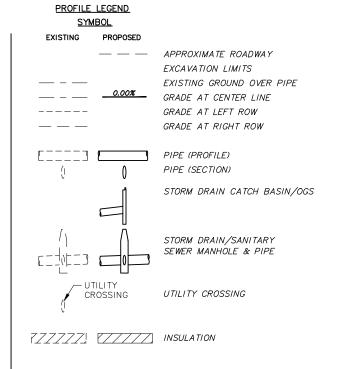


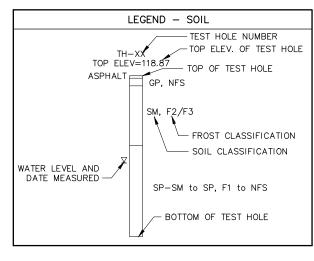
. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.

DATE:

DATA TRANSFER CHECKED BY: \_\_\_

COMPANY:





COMMON ABBREVIATIONS							
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION				
AC	ASPHALT CONCRETE	NTS	NOT TO SCALE				
AC	ASBESTOS CONCRETE	NWT	NO WATER TABLE				
APPROX	APPROXIMATE	ос	ON CENTER				
ВМ	BENCH MARK	OCEW	ON CENTER EACH WAY				
BOP	BEGINNING OF PROJECT	OD	OUTSIDE DIAMETER				
BOS	BACK OF SHOULDER	OGS	OIL AND GRIT SEPARATOR				
C&G	CURB AND GUTTER	ОН	OVERHEAD				
CB	CATCH BASIN	PC	POINT OF CURVATURE				
СВМН	CATCH BASIN MANHOLE		PORTLAND CONCRETE CEMENT				
CI	CAST IRON	PCC	POINT OF CONTINUOUS CURVATURE				
C/L, CL	CENTERLINE	PI	POINT OF INTERSECTION				
CMP	CORRUGATED METAL PIPE	PL, P/L	PROPERTY LINE				
CN	CURB NOSE	PCMP	PRECOATED CORRUGATED METAL PIPE				
СО	CLEANOUT		PERFORATED CORRUGATED				
CONST	CONSTRUCTION	PCPEP	POLYETHYLENE PIPE				
CONT	CONTINUOUS	PT	POINT OF TANGENCY				
CPEP	CORRUGATED POLYETHYLENE PIPE	PUE	PUBLIC USE EASEMENT				
DIA	DIAMETER	PVC	POINT OF VERTICAL CURVATURE				
DIP	DUCTILE IRON PIPE	PVC	POLYVINYL CHLORIDE				
DW	DETECTABLE WARNING	PVI	POINT OF VERTICAL INTERSECTION				
DWY	DRIVEWAY	PVT	POINT OF VERTICAL TANGENT				
Ε	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				
GALV	GALVINIZED		SECTION CORNER				
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				
ΙE	INVERT ELEVATION	TBC	TOP BACK OF CURB				
INTX	INTERSECTION	ТВМ	TEMPORARY BENCH MARK				
INV	INVERT	TCP	TEMPORARY CONSTRUCTION PERMIT				
LF	LINEAR FOOT	TELE	TELEPHONE				
LOC	LIP OF CURB	TH	TEST HOLE				
LT, L	LEFT	TW	TOP OF WALL				
LUM	LUMINAIRE	TYP	TYPICAL				
MAX	MAXIMUM	UG	UNDERGROUND				
ME	MATCH EXISTING	UON	UNLESS OTHERWISE NOTED				
MH	MANHOLE	UTIL	UTILITY				
MIN	MINIMUM	VERT	VERTICAL				
MON	MONUMENT	VB	VALVE BOX				
MSL	MEAN SEA LEVEL	VC	VERTICAL CURVE				
N	NORTH	W	WEST				
N/A	NOT APPLICABLE	W/	WITH				
N. I. C.	NOT IN CONTRACT						

- 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.

DATA	DRAWN BY	CHECKED								
BASE	TS	MJ								
TOPOGRAPHY	BW	BW								
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77				
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10				
GAS	RK	JK	STAKING	GAAB 8	See MOA Benchmark Book, Page D-18	104.53				
TELEPHONE	RK	JK								
ELECTRIC	JH	TK								
DESIGN	RB	JK	ASBUILT							
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST					
PRELIMINARY/FINAL	RB	JK	INSPECTOR							
MUNICIPAL/STATE	RB	JK								



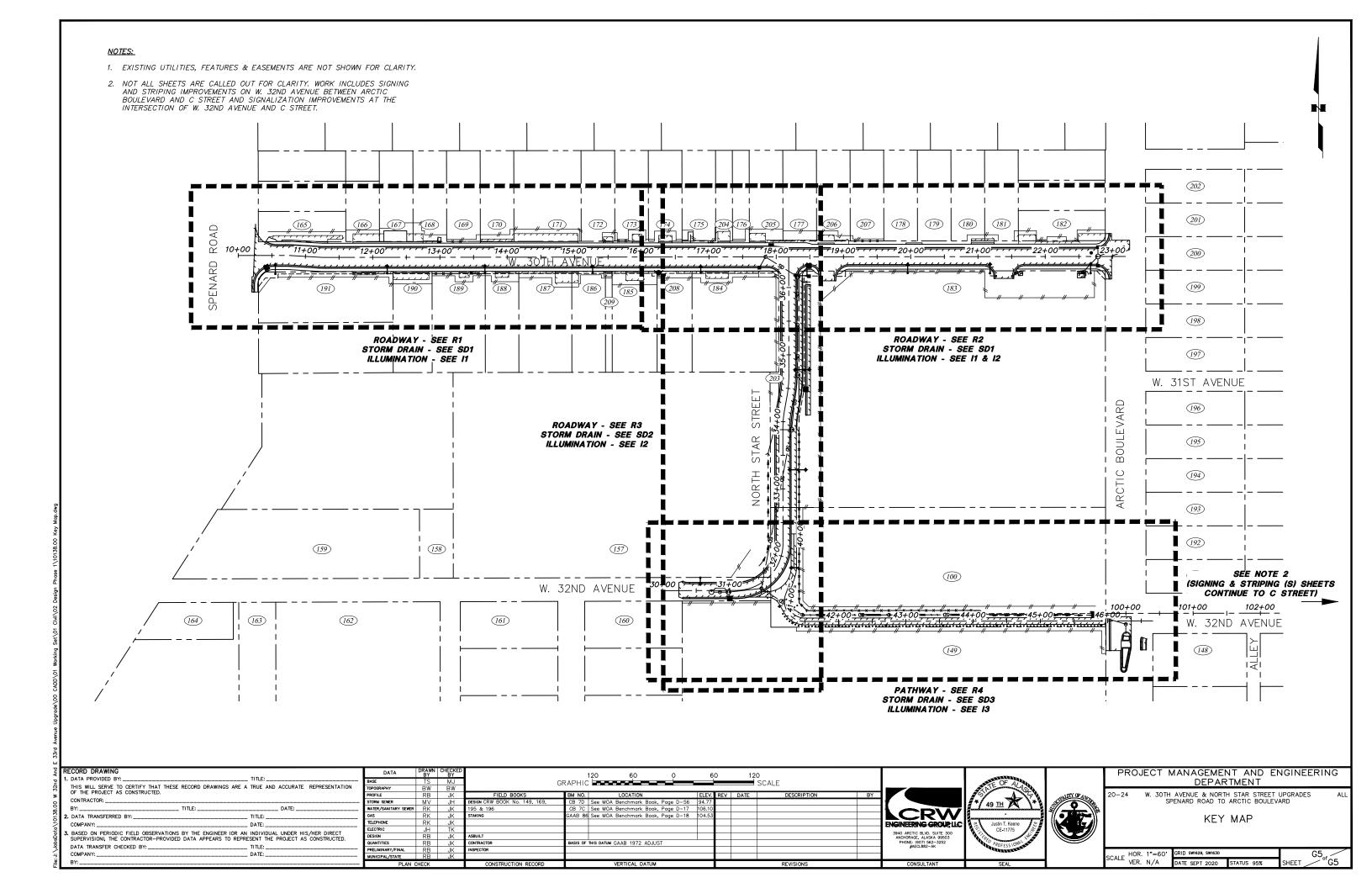


PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

LEGEND AND ABBREVIATIONS

O 41 E	HOR.	N/A	GRID SW1629, SW1630		G4	4/
CALE	VER.	N/A	DATE SEPT 2020	STATUS 65%	SHEET /	°°G5



		Но	rizontal C	Control —	W 30th Avenue Alignment
Point	Station	Offset	Northing	Easting	Description
634	10+40.08	24.50 Rt	331387.58	344806.85	Found 1 1/2" Aluminum Cap flush with pavement
420	12+14.59	20.92 Rt	331388.37	344981.27	Set 1 1/8" Copper Survey Marker flush with pavement
635	12+88.28	21.50 Rt	331387.88	345054.96	Found 3" Aluminum Cap 0.35' below grade
429	14+04.18	13.14 Lt	331422.65	345170.82	Set 1 1/8" Copper Survey Marker flush with pavement
430	16+19.90	17.23 Rt	331392.54	345386.57	Set 1 1/8" Copper Survey Marker flush with pavement

#### <u>Horizontal Control</u>

This project is located entirely within the Anchorage Bowl 2000 adjustment, a local surface grid coordinate system expressed in U.S. Survey feet units developed by the Alaska Department of Transportation.

#### Basis of Coordinates:

The Basis of Coordinates is NGS Station O'Malley, located near the intersection of the New Seward Highway and O'Malley Road. Said station has Anchorage Bowl 2000 coordinates of 303939.2310 N, 353362.5446 E. U.S. Survey Feet.

The Basis of Bearings is a local plane bearing between NGS Station O'Malley and NGS Station Loop 2 USE RM 3 1964. NGS Station Loop 2 USE RM 3 1964 bears N 01\*43'26.4" E a distance of 49488.4476 feet from NGS Station O'Malley. NGS Station Loop 2 USE RM 3 1964 has Anchorage Bowl 2000 coordinates of 353405.2778 N, 354851.3982 E. U.S. Survey Feet.

#### Translation Parameters:

To convert the local coordinates to NAD83 (92) State Plane coordinates expressed in U.S. Survey Feet, translate using +2,296,868.6878 N U.S. Survey Feet, +1,312,517.4904 E U.S. Survey Feet, and scale using 0.9998910192.

#### <u>Vertical Control</u>

Vertical control is based on the MOA Benchmark GAAB-86, Elevation = 104.53 feet (GAAB), as described on page D-18 of the MOA Benchmark Book, MOA Benchmark CB 7C, Elevation = 106.10 feet (GAAB), as described on page D-17 of the MOA Benchmark Book, and MOA Benchmark CB 7D, Elevation = 94.77 feet (GAAB), as described on page D-56 of the MOA Benchmark Book.

#### LEGEND

Existing Brass Cap

Existing Aluminum Cap

Existing Rebar or Iron Pipe

◬ Control set by CRW

(500) Control Point Number

	ECORD DRAWING		
1.	DATA PROVIDED BY:		BASE
	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE OF THE PROJECT AS CONSTRUCTED.	A TRUE AND ACCURATE REPRESENTATION	TOPO
		l l	PROF
	CONTRACTOR:	L	STOR
İ	BY: TITLE:	DATE:	WATE
2.	. DATA TRANSFERRED BY:		GAS
	COMPANY:	DATE:	TELEF
	. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR A		ELEC
Э.	SUPERVISION). THE CONTRACTOR—PROVIDED DATA APPEARS TO REP		DESIG
	DATA TRANSFER CHECKED BY:		QUAN
			PREL
	COMPANY:	_ DATE:	MUNI
	RY.		

DATA	DRAWN BY	CHECKED			60	30		0	3	0	60	 )			
BASE	TS	MJ	G	RAPHIC	:		_					SCALE			
TOPOGRAPHY	BW	BW	01	(7 (1 111)								OOMEL			
PROFILE	RB	JK	FIELD BOOKS	BM NO.		LOCATION			ELEV.	REV	DATE	DF	ESCRIPTION	BY	] <b>.</b>
STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MO.	A Benchmark	Book,	Page D-56	94.77						<b>]</b>
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MO.	A Benchmark	Book,	Page D-17	106.10						71 .
GAS	RK	JK	STAKING	GAAB 86	See MO.	A Benchmark	Book,	Page D-18	104.53						
TELEPHONE	RK	JK													ENGIN
ELECTRIC	JH	TK										ĺ			
DESIGN	RB	JK	ASBUILT												3940 ANC
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM	GAAB 1972	ADJUS'	ī							Pi
PRELIMINARY/FINAL	RB	JK	INSPECTOR												1
MUNICIPAL/STATE	RB	JK													
DI ANI (	HECK		CONSTRUCTION RECORD			VERTICAL D	ATLIM					RE\	VISIONS		





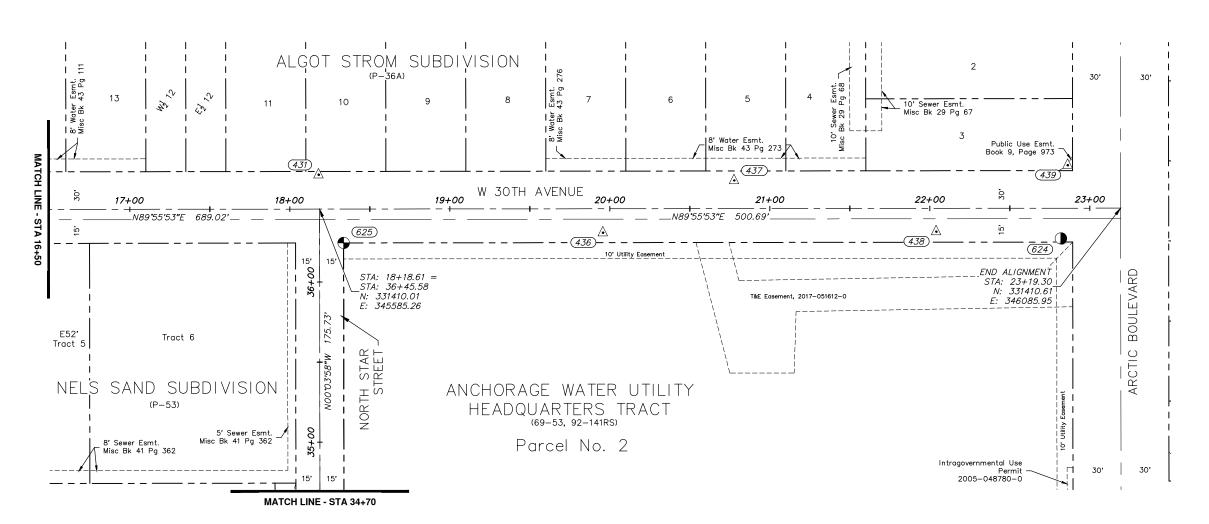


## SURVEY CONTROL

PROJECT MANAGEMENT AND ENGINEERING

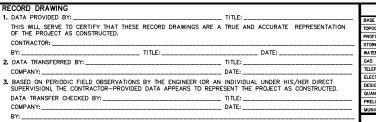
W. 30TH AVENUE - STA 10+00 TO 16+50

GRID SW1629, SW1630 HOR. 1"=30" VER. N/A DATE SEPT 2020



	Horizontal Control — W 30th Avenue Alignment								
Point	Station	Offset	Northing	Easting	Description				
431	18+18.10	21.46 Lt	331431.47	345584.73	Set 1 1/8" Copper Survey Marker flush with pavement				
625	18+33.61	21.16 Rt	331388.87	345600.29	Found 1 1/4" Brass Cap in 2" Iron Pipe 0.8' below grade				
436	19+95.77	14.94 Rt	331395.29	345762.44	Set 1 1/8" Copper Survey Marker flush with pavement				
437	20+77.84	17.57 Lt	331427.89	345844.47	Set 1 1/8" Copper Survey Marker flush with pavement				
438	22+04.10	14.50 Rt	331395.97	345970.77	Set 1 1/8" Copper Survey Marker flush with pavement				
624	22+81.85	18.92 Rt	331391.64	346048.53	Found 2" Aluminum Cap 0.1' below grade				
439	22+86.30	26.89 Lt	331437.46	346052.92	Set 1 1/8" Copper Survey Marker flush with pavement				

	Horizontal Control — North Star Street Alignment												
Point	oint Station Offset Northing Easting Description												
625	36+24.43	15.00 Rt	331388.87	345600.29	Found 1 1/4" Brass Cap in 2" Iron Pipe 0.8' below grade								
436	36 36+30.66 177.16 Rt 331395.29 345762.44 Set 1 1/8" Copper Survey Marker flush with pavement												
431			331431.47	345584.73	Set 1 1/8" Copper Survey Marker flush with pavement								



DATA	DRAWN BY	CHECKED BY			60	30		0	3	0	60				
BASE	TS	MJ	GF	RAPHIC			_				_	SCALE			ı
TOPOGRAPHY	BW	BW	5	1711 11110								OOMEL			
PROFILE	RB	JK	FIELD BOOKS	BM NO.		LOCATION			ELEV.	REV	DATE		DESCRIPTION	BY	
STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA	N Benchmark	Book,	Page D-56	94.77						] <b>7</b>
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA	Benchmark	Book,	Page D-17	106.10						11.
GAS	RK	JK	STAKING	GAAB 86	See MOA	Benchmark	Book,	Page D-18	104.53						
TELEPHONE	RK	JK													ENGIN
ELECTRIC	JH	TK													3940
DESIGN	RB	JK	ASBUILT												3940 ANC
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM	GAAB 1972	ADJUS'	Г							Pi
PRELIMINARY/FINAL	RB	JK	INSPECTOR												1
MUNICIPAL/STATE	RB	JK													
PLAN (	CHECK		CONSTRUCTION RECORD			VERTICAL D	ATUM					RI	EVISIONS		







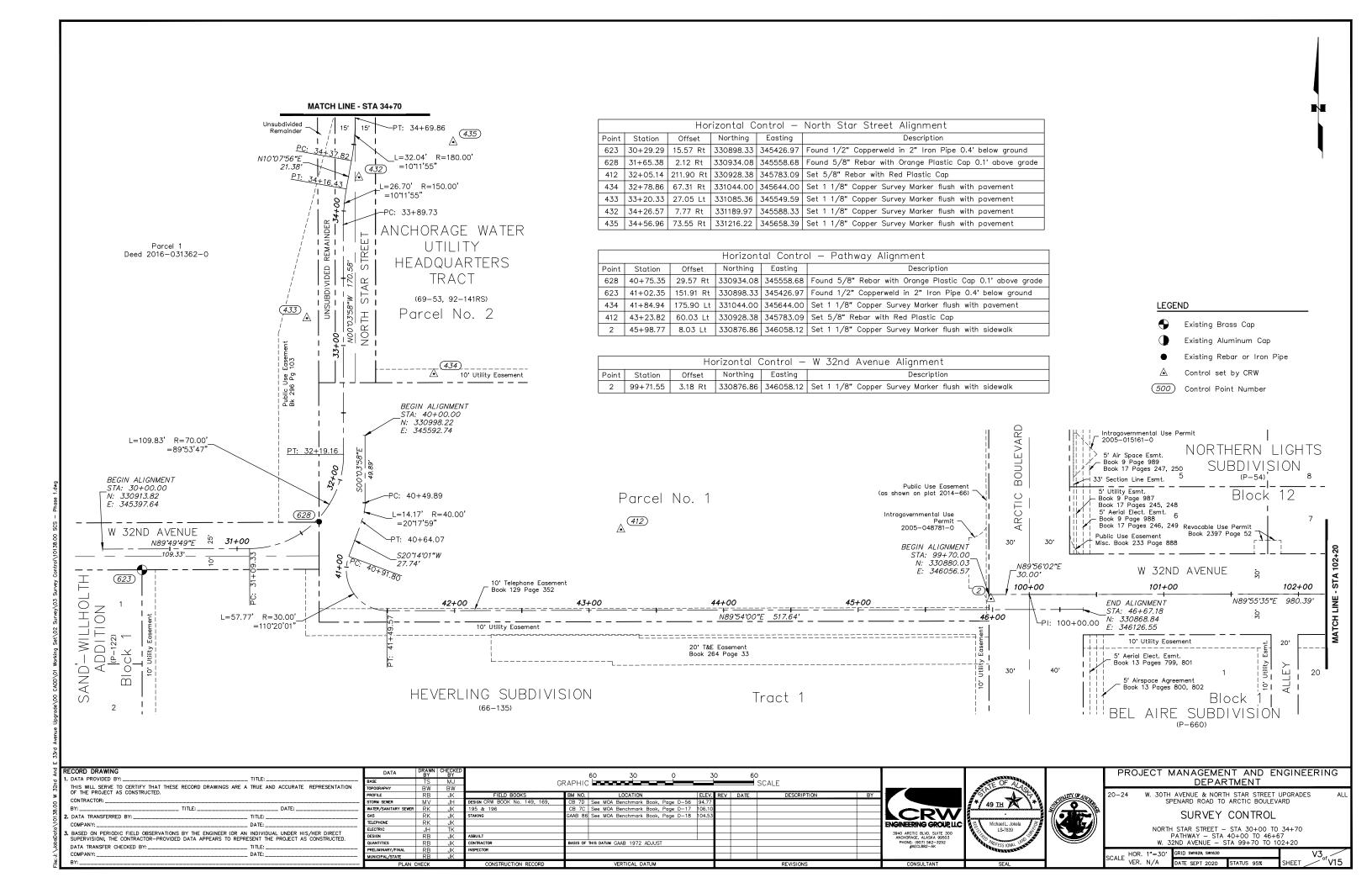
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

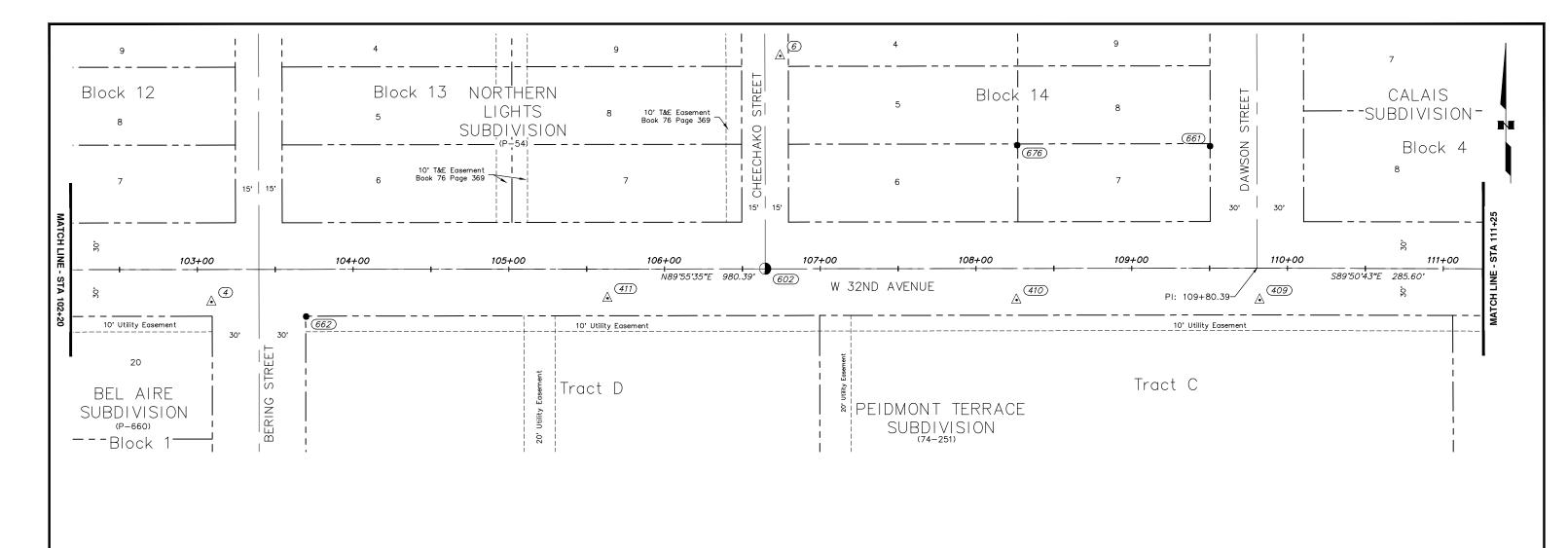
W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

SURVEY CONTROL

W. 30TH AVENUE - STA 16+50 TO 23+19 NORTH STAR STREET - STA 34+70 TO 36+46

SCALE HOR. 1"=30' VER. N/A





	Horizontal Control — W 32nd Avenue Alignment											
Point	Station	Offset	Northing	Easting	Description							
4	103+09.15	20.87 Rt	330859.60	346395.74	Set 1 1/8" Copper Survey Marker flush with sidewalk							
662	103+69.84	30.27 Rt	330850.27	346456.45	Found 5/8" Rebar 0.1' below grade							
411	105+63.42	18.78 Rt	330862.01	346650.01	Set 1 1/8" Copper Survey Marker flush with sidewalk							
602	106+64.63	0.07 Lt	330881.00	346751.20	Found 1 1/2" Aluminum Cap flush with asphalt							
6	106+74.47	136.71 Lt	331017.64	346760.86	Set 1 1/8" Copper Survey Marker flush with pavement							
410	108+26.07	20.19 Rt	330860.94	346912.66	Set 1 1/8" Copper Survey Marker flush with sidewalk							
676	108+26.52	79.16 Lt	330960.29	346912.98	Found 5/8" Rebar 0.6' below grade							
661	109+50.34	78.41 Lt	330959.70	347036.80	Found 5/8" Rebar flush with ground							
409	109+82.26	20.38 Rt	330860.95	347068.77	Set 1 1/8" Copper Survey Marker flush with sidewalk							

Existing Brass Cap

Existing Aluminum Cap

Existing Rebar or Iron Pipe

 $\triangle$  Control set by CRW

500 Control Point Number

	RECORD DRAWING		ı
1	. DATA PROVIDED BY:	TITLE:	В
	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A OF THE PROJECT AS CONSTRUCTED.	TRUE AND ACCURATE REPRESENTATION	TO
			Р
	CONTRACTOR:		S
	BY: TITLE:	DATE:	W.
2	. DATA TRANSFERRED BY:	TITLE:	G
	COMPANY:	DATE:	ľ
ı,	BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN	INDIVIDUAL LINDED HIS /HED DIDECT	Đ
ľ	SUPERVISION). THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRE	ESENT THE DROJECT AS CONSTRUCTED	D
	DATA TRANSFER CHECKED BY:	TITI C.	Q
-	COMPANY:	DATE	P
	COMPANT:	DATE:	м

DATA	DRAWN BY	CHECKED			60	30	0	3	0	60			T
BASE	TS	MJ		GRAPHIC							CALE		
TOPOGRAPHY	BW	BW		011711 11110							, o, lee		
PROFILE	RB	JK	FIELD BOOKS	BM NO.		LOCATION		ELEV.	REV	DATE	DESCRIPTION	BY	3 <b>7</b>
STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA	Benchmark Boo	k, Page D-56	94.77					<b>]</b>
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA	Benchmark Boo	k, Page D-17	106.10					7 I
GAS	RK	JK	STAKING	GAAB 86	See MOA	Benchmark Boo	k, Page D-18	104.53					7 B
TELEPHONE	RK	JK											ENG
ELECTRIC	JH	TK											
DESIGN	RB	JK	ASBUILT										39. A
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM	GAAB 1972 ADJI	JST						1
PRELIMINARY/FINAL	RB	JK	INSPECTOR										
MUNICIPAL/STATE	RB	JK											
DLAN	CHECK	, and the second	CONSTRUCTION DECORD			VEDTICAL DATUM					DEVICIONS		$\overline{}$





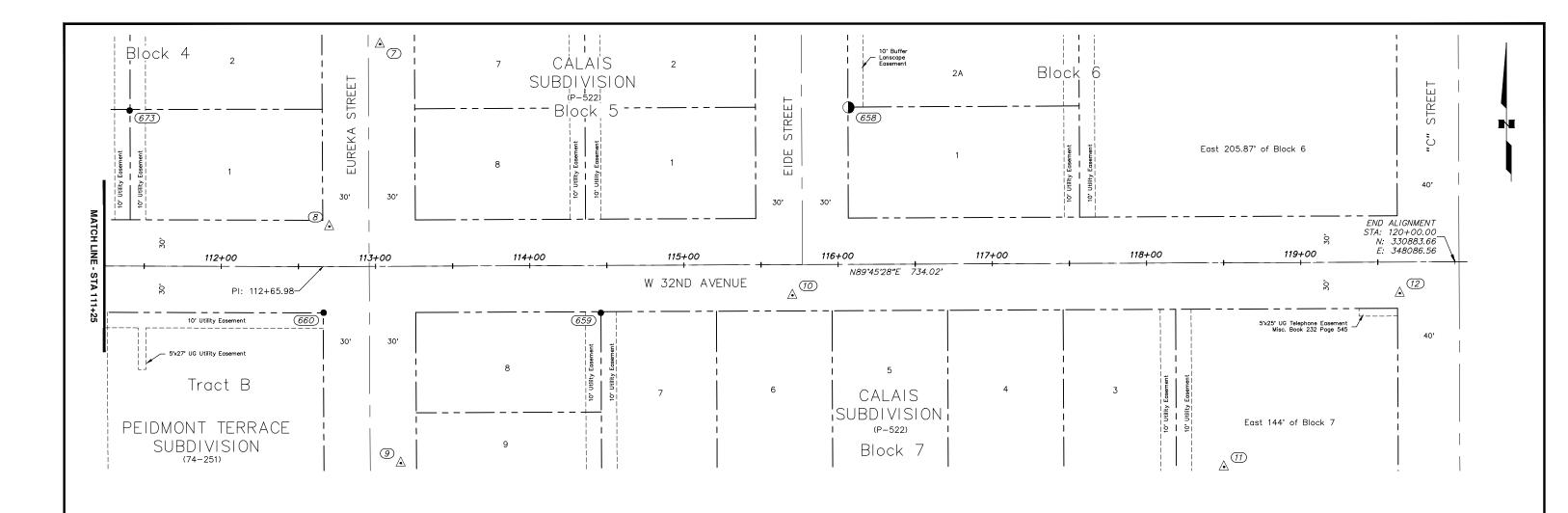


PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

SURVEY CONTROL

W. 32ND AVENUE - STA 102+20 TO 111+25

CALE	HOR.	1"=30'	GRID SW1629, SW1630	0	
ALE	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEET



		Но	rizontal (	Control —	W 32nd Avenue Alignment
Point	Station	Offset	Northing	Easting	Description
673	111+40.30	100.81 Lt	330981.70	347227.13	Found 5/8" Rebar, bent
660	112+66.27	29.88 Rt	330850.68	347352.96	Found 5/8" Rebar 0.3' below grade
8	112+70.24	25.93 Lt	330906.51	347356.70	Set 1 1/8" Copper Survey Marker flush with sidewalk
7	113+03.61	144.00 Lt	331024.71	347389.57	Set 1 1/8" Copper Survey Marker flush with pavement
9	113+15.93	127.49 Rt	330753.28	347403.03	Set 1 1/8" Copper Survey Marker flush with sidewalk
659	114+46.03	30.74 Rt	330850.58	347532.72	Found 5/8" Rebar 0.3' below grade
10	115+70.37	19.88 Rt	330861.97	347657.02	Set 1 1/8" Copper Survey Marker flush with sidewalk
658	116+07.15	101.70 Lt	330983.70	347693.28	Found 3 1/4" Aluminum Cap 0.2' below grade
11	118+49.77	132.30 Rt	330750.73	347936.89	Set 1 1/8" Copper Survey Marker flush with pavement
12	119+64.25	20.15 Rt	330863.36	348050.89	Set 1 1/8" Copper Survey Marker flush with sidewalk

Existing Brass Cap

Existing Aluminum Cap

Existing Rebar or Iron Pipe

 $\triangle$  Control set by CRW

500 Control Point Number

	CORD DRAWING			Γ
1.	DATA PROVIDED BY:		TITLE:	В
	THIS WILL SERVE TO CERTIFY THAT THESE	RECORD DRAWINGS ARE A	TRUE AND ACCURATE REPRESENTATION	TO
	OF THE PROJECT AS CONSTRUCTED.			Ρ
	CONTRACTOR:			s
			DATE:	
			TITLE:	
	COMPANY:		DATE:	Ľ
3.	BASED ON PERIODIC FIELD OBSERVATIONS	BY THE ENGINEER (OR AN	INDIVIDUAL UNDER HIS/HER DIRECT	E
	SUPERVISION), THE CONTRACTOR-PROVIDED	DATA APPEARS TO REPRE	SENT THE PROJECT AS CONSTRUCTED.	Ľ
	DATA TRANSFER CHECKED BY:		TITLE:	F
	COMPANY:		DATE:	H

DATA	DRAWN BY	CHECKED			60 30 0	3	0 6	60		
BASE	TS	MJ	G	RAPHIC	C			SCALE		
TOPOGRAPHY	BW	BW	9	100	` <del></del>			2 OOTTEE		
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV DATE	DESCRIPTION	BY	
STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77				17
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10				11.
GAS	RK	JK	STAKING	GAAB 86	6 See MOA Benchmark Book, Page D-18	104.53				
TELEPHONE	RK	JK								ENGI
ELECTRIC	JH	TK								3940
DESIGN	RB	JK	ASBUILT							3940 AN
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	F THIS DATUM GAAB 1972 ADJUST					F
PRELIMINARY/FINAL	RB	JK	INSPECTOR							1
MUNICIPAL/STATE	RB	JK								
DI AN	CHECK		CONSTRUCTION RECORD		VERTICAL DATUM			DEVISIONS		





PROJECT MANAGEMENT AND ENGINEERING

DEPARTMENT

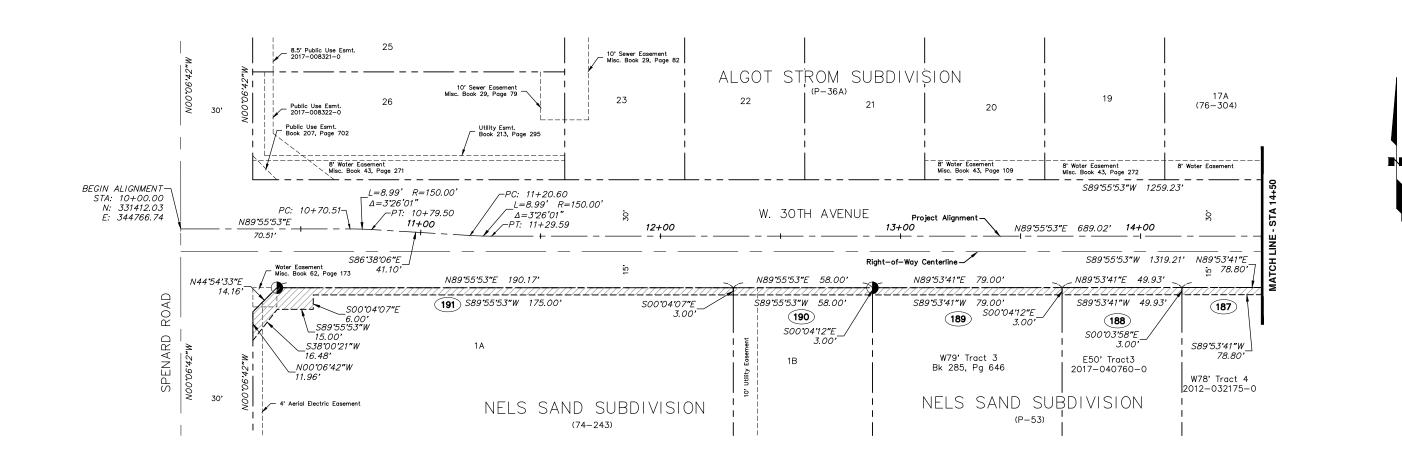
20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES A

SPENARD ROAD TO ARCTIC BOULEVARD

SURVEY CONTROL

W. 32ND AVENUE - STA 111+25 TO 120+00

	HOR.	1"=30'	GRID SW1629, SW1630		V5.,
\LE	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEET V15



		EASI	EASEMENT ACQUISITION INFORMATION				
PARCEL	LOT	BLOCK	SUBDIVISION	PLAT	OWNER	PUE (SF)	RECORDER'S SERIAL NUMBER
187	W78' Tract 4		Nels Sand	P-53	WILBER MICHELLE M	236	
188	E50' Tract 3		Nels Sand	P-53	VINNITSKY VICTOR A	150	
189	W79' Tract 3		Nels Sand	P-53	COLTER ALAN W	237	
190	1B		Nels Sand	74-243	GRAY CHRISTOPHER L & RACHEL	174	
191	1A		Nels Sand	74-243	BERGER REAL ESTATE LLC	791	

1 Parcel Number

Public Use Easement (PUE) or Intragovernmental Use Permit (IGP)

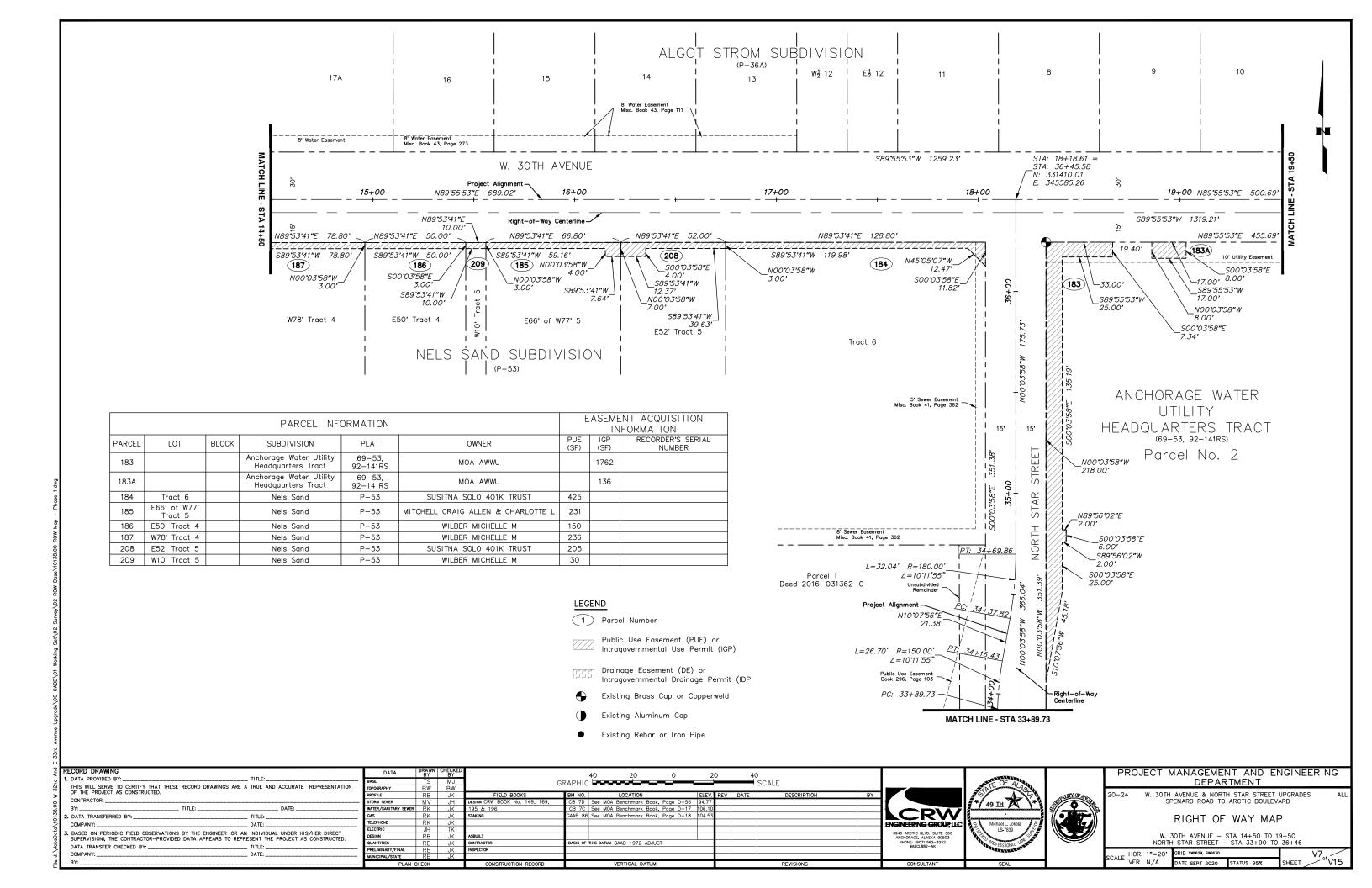
Drainage Easement (DE) or Intragovernmental Drainage Permit (IDP

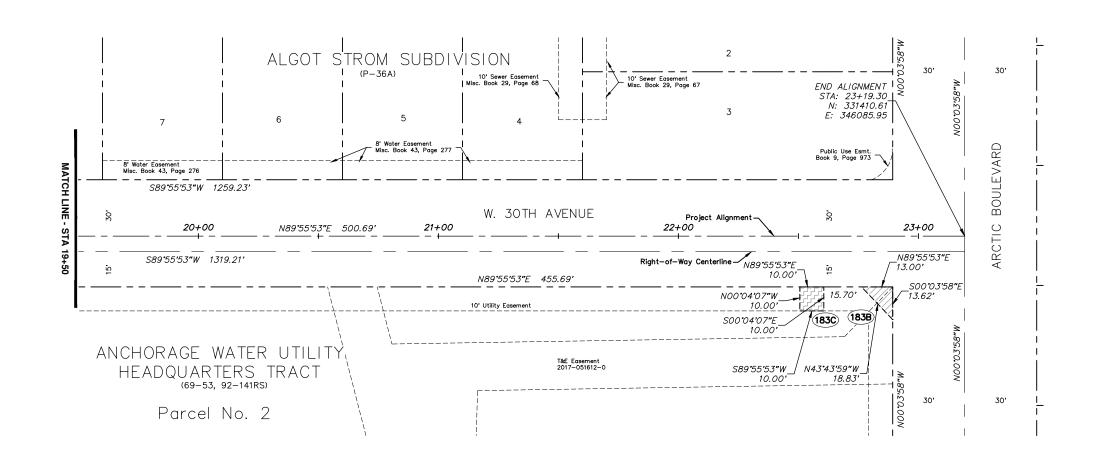
Existing Brass Cap or Copperweld

Existing Aluminum Cap

● Existing Rebar or Iron Pipe

မှို									
RECORD DRAWING  1. DATA PROVIDED BY:  THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION	BASE TS	WN CHECKED BY	GF	40 20 0 20 RAPHIC	O 40 SCALE		E OF A		PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT
OF THE PROJECT AS CONSTRUCTED.  CONTRACTOR:	TOPOGRAPHY BW PROFILE RE STORM SEWER MV	JK JH	FIELD BOOKS DESIGN CRW BOOK No. 149, 169,	BM NO.         LOCATION         ELEV.           CB 7D         See MOA Benchmark Book, Page D-56         94.77	REV DATE DESCRIPTION BY		49 IH	SUPPLIES OF ANCIDE	20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES ALL SPENARD ROAD TO ARCTIC BOULEVARD
#Y: DAIE: DA	WATER/SANITARY SEWER RK GAS RK TELEPHONE RK	JK JK JK	195 & 196 STAKING	CB 7C See MOA Benchmark Book, Page D-17   106.10   GAAB 86 See MOA Benchmark Book, Page D-18   104.53		ENGINEERING GROUPLIC	Michael L. Jokela	272	RIGHT OF WAY MAP
	ELECTRIC JH DESIGN RE QUANTITIES RE	JK		BASIS OF THIS DATUM GAAB 1972 ADJUST		3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 PHONE: (907) 562-3252 #AECL882-AK	LS-7839  LS-7839  ANOFESS IONAL LAND		W. 30TH AVENUE — STA 10+00 TO 14+50
- COMPANY: DATE: - BY:	PRELIMINARY/FINAL RE MUNICIPAL/STATE RE PLAN CHECK	JK	INSPECTOR  CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL		SCALE HOR. 1"=20' GRID SWI629, SWI630 V6 of V15  DATE SEPT 2020 STATUS 95% SHEET 015





			PARCEL INFO		E		ENT ACQUISITION IFORMATION	
PARCEL	LOT	BLOCK	SUBDIVISION	PLAT	OWNER	IGP (SF)	IDP (SF)	RECORDER'S SERIAL NUMBER
183B			Anchorage Water Utility Headquarters Tract	69-53, 92-141RS	MOA AWWU	89		
183C			Anchorage Water Utility Headquarters Tract	69-53, 92-141RS	MOA AWWU		100	

1 Parcel Number

Public Use Easement (PUE) or Intragovernmental Use Permit (IGP)

Drainage Easement (DE) or Intragovernmental Drainage Permit (IDP

Existing Brass Cap or Copperweld

Existing Aluminum Cap

Existing Rebar or Iron Pipe

	RECORD DRAWING	DATA	DRAWN	CHECKED			40	20	0	20	^	40	,
ı	1. DATA PROVIDED BY: TITLE: TITLE:	BASE	TS	MJ	C	D V D L I C	· <del> </del>				U		SCALE
ı	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION	TOPOGRAPHY	BW	BW	Gi	VAFIIIC				_			SCALE
ı	OF THE PROJECT AS CONSTRUCTED.	PROFILE	RB	JK	FIELD BOOKS	BM NO.	L	OCATION		ELEV.	REV	DATE	Di
ı	CONTRACTOR:	STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Be	enchmark Book,	Page D-56	94.77			
ı	BY: DATE: DATE:	WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Be	enchmark Book,	Page D-17	106.10			
ı	2. DATA TRANSFERRED BY:	GAS	RK	JK	STAKING	GAAB 86	See MOA Be	enchmark Book,	Page D-18	104.53			1
	COMPANY: DATE:	TELEPHONE	RK	JK									
ı		ELECTRIC	JH	TK									
ı	<ol> <li>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.</li> </ol>	DESIGN	RB	JK	ASBUILT								1
	SOLEKVISION, THE CONTRACTOR TROVIDED DATA ALLEAKS TO KEINESENT THE TROOLET AS CONSTRUCTED.	A	00	11.7	CONTRACTOR	01010 05	THE BATHA CA.	- A - TO - TO - ILLO	-				$\overline{}$

\_\_ TITLE: \_\_\_ \_\_ DATE: \_\_\_

DATA TRANSFER CHECKED BY: \_\_

									SCALE		
OPOGRAPHY	BW	BW	•								
ROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	
TORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77					#
VATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10					<b>                                     </b>
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53					
ELEPHONE	RK	JK									ENGINE
LECTRIC	JH	TK									
DESIGN	RB	JK	ASBUILT								3940 A ANCHO
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST						PHO
RELIMINARY/FINAL	RB	JK	INSPECTOR								
MUNICIPAL/STATE	RB	JK									





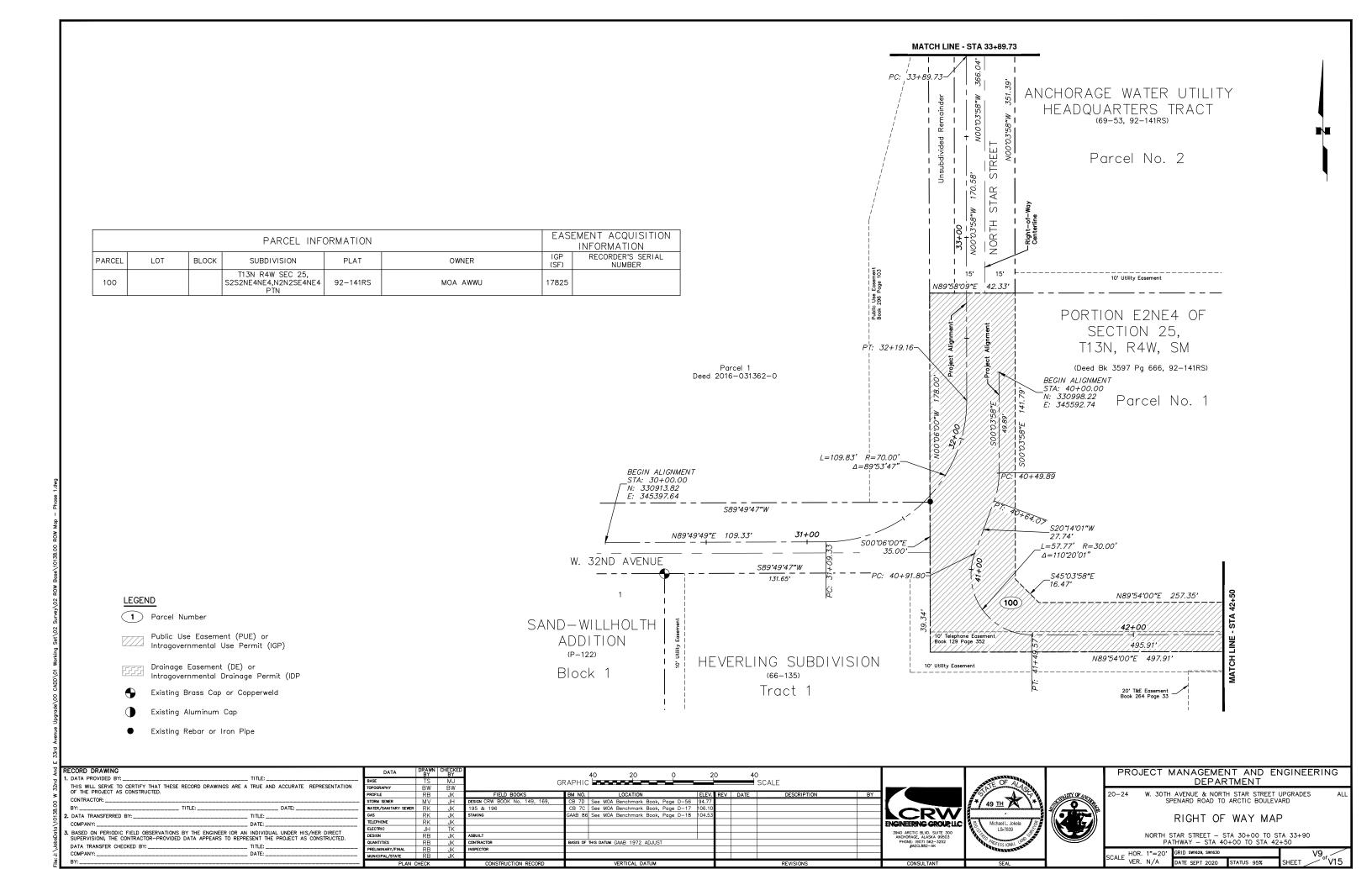


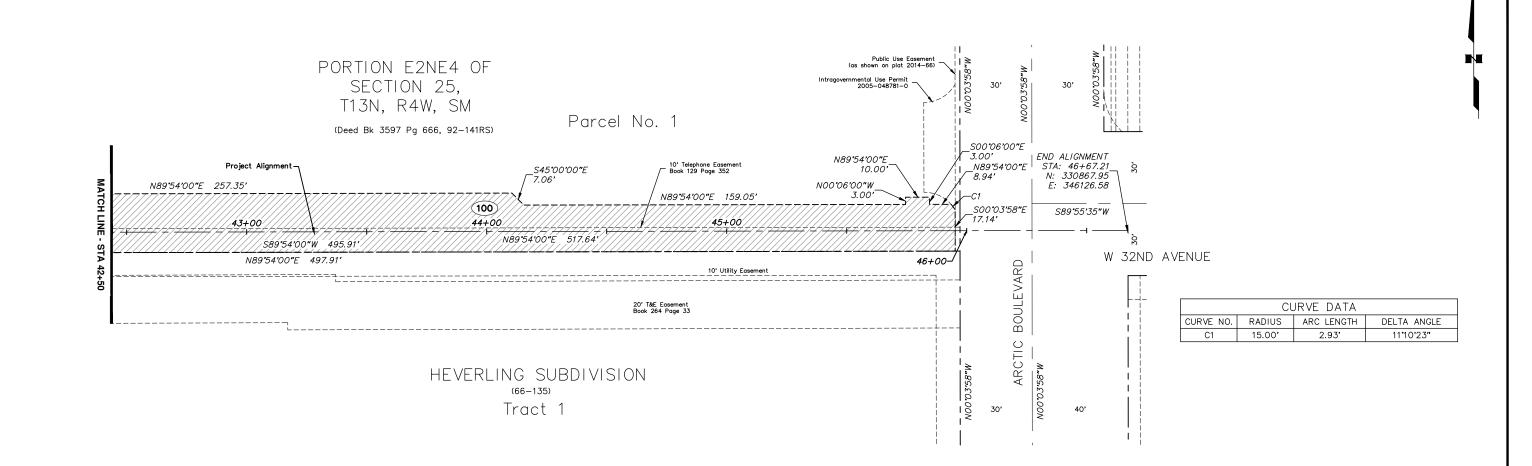
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

RIGHT OF WAY MAP

W. 30TH AVENUE - STA 19+50 TO 23+19

_	HOR.	1"=20'	GRID SW1629, SW1630			V8.,
.E.	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEET	°°′V15_





				EASI	EMENT ACQUISITION INFORMATION		
PARCEL	LOT	PUE RECORDER'S SERIAL (SF) NUMBER					
100			T13N R4W SEC 25, S2S2NE4NE4,N2N2SE4NE4 PTN	92-141RS	MOA AWWU	17825	

1 Parcel Number

Public Use Easement (PUE) or Intragovernmental Use Permit (IGP)

Drainage Easement (DE) or Intragovernmental Drainage Permit (IDP

Existing Brass Cap or Copperweld

Existing Aluminum Cap

Existing Rebar or Iron Pipe

PROJECT MANAGEMENT AND ENGINEERING
DEPARTMENT

W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

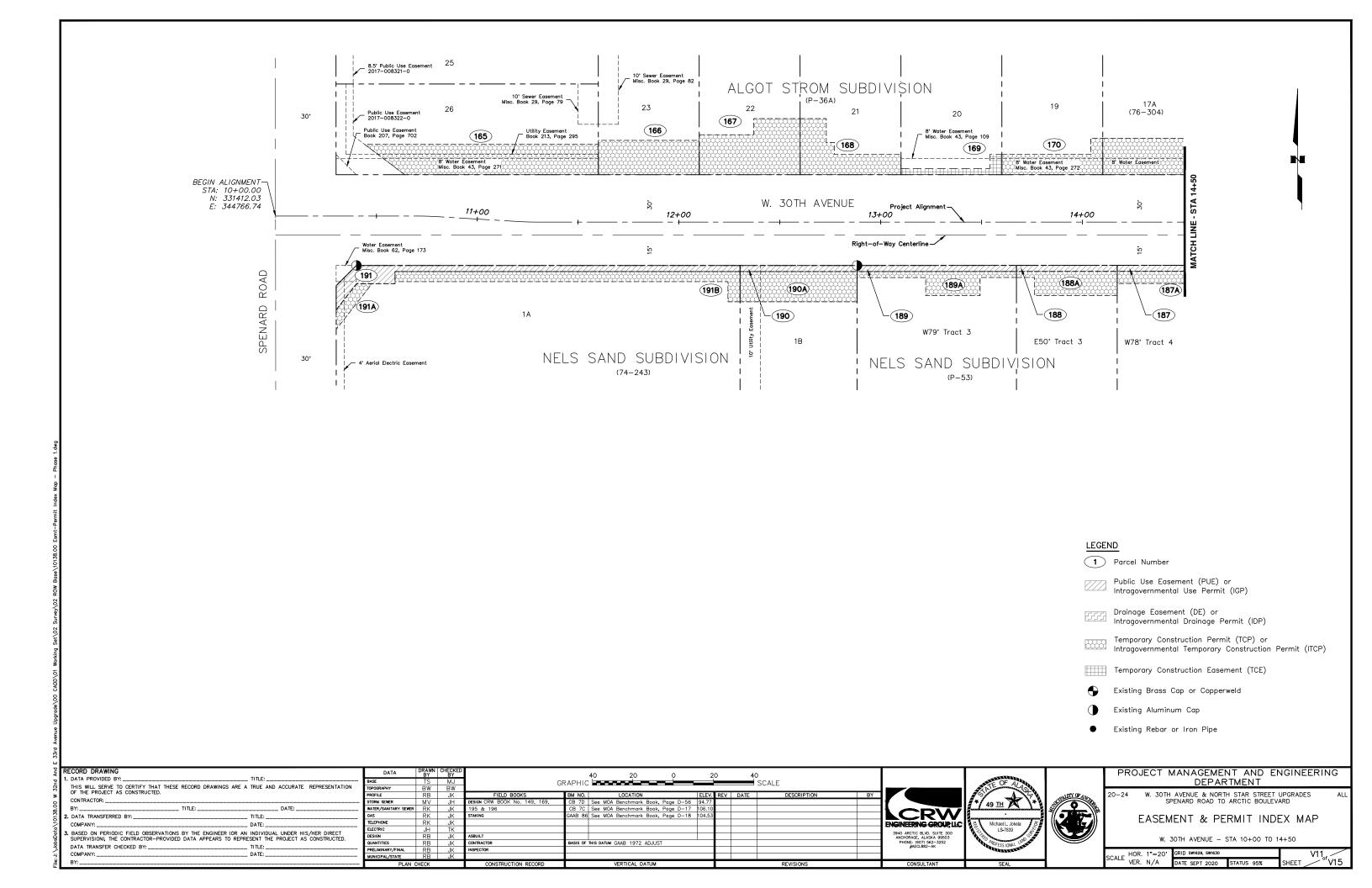
RIGHT OF WAY MAP

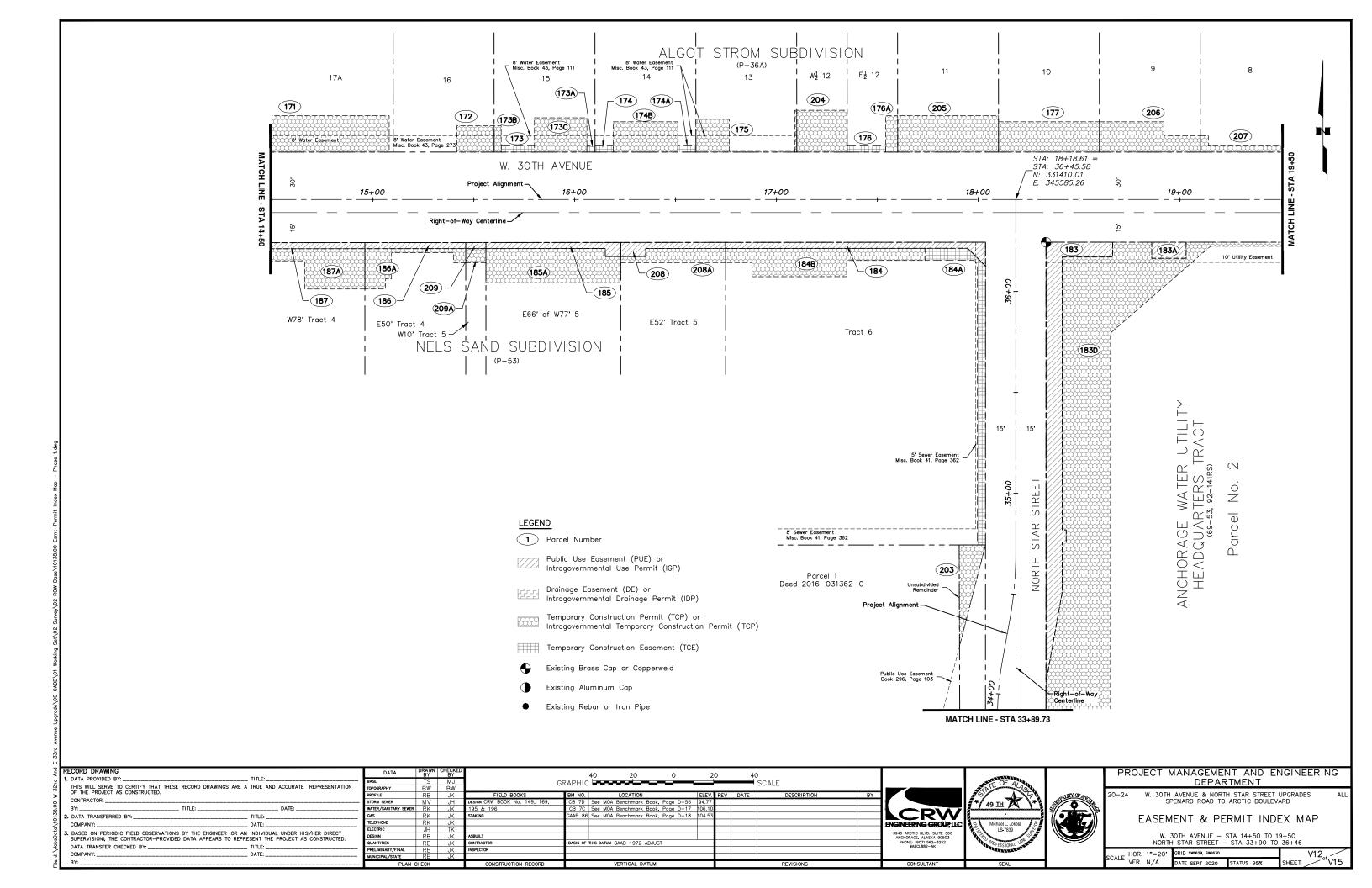
PATHWAY - STA 42+50 TO 46+67

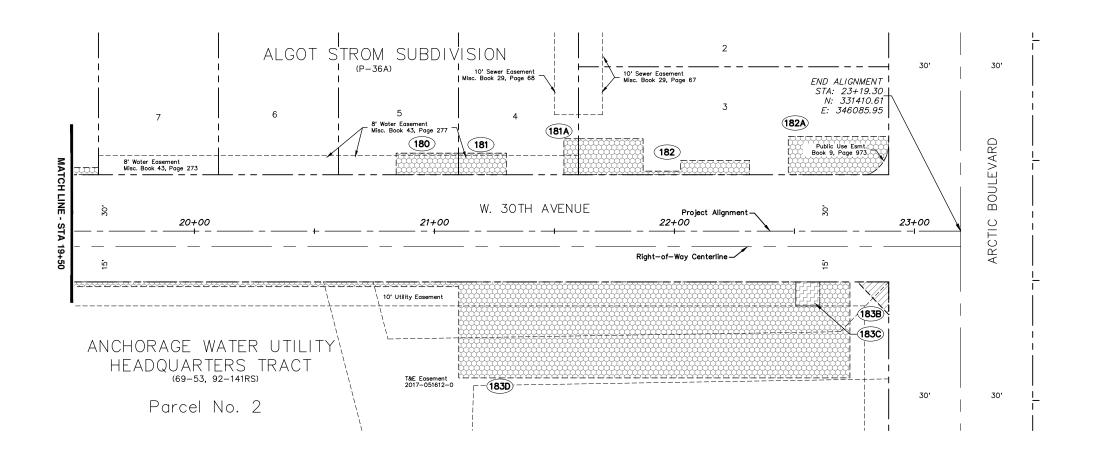
V10<sub>of</sub> V15 SCALE HOR. 1"=20' VER. N/A

	CORD DRAWING		
	DATA PROVIDED BY:		
	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A OF THE PROJECT AS CONSTRUCTED.	A TRUE AND ACCURATE REPRESENTATION	TOPO
			PRO
	CONTRACTOR:		STO
	BY: TITLE:	DATE:	WAT
2.	DATA TRANSFERRED BY:	TITLE:	GAS
	COMPANY:	DATE:	TELE
			ELE
э.	BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN SUPERVISION). THE CONTRACTOR-PROVIDED DATA APPEARS TO REPR		DES
	DATA TRANSFER CHECKED BY:		QUA
			PRE
	COMPANY:		MUN
	BY:		

BASE	TS	MJ	GE	RAPHIC					SCALE		1
TOPOGRAPHY	BW	BW	01	., ., ., .,					00/122		
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77					I₩
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10					I .
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53					
TELEPHONE	RK	JK									ENGIN
ELECTRIC	JH	TK									3940
DESIGN	RB	JK	ASBUILT								ANCH
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST						PH
PRELIMINARY/FINAL	RB	JK	INSPECTOR								1
MUNICIPAL/STATE	RB	JK									
PLAN (	CHECK		CONSTRUCTION RECORD		VERTICAL DATUM				REVISIONS		







1 Parcel Number

Public Use Easement (PUE) or Intragovernmental Use Permit (IGP)

Drainage Easement (DE) or Intragovernmental Drainage Permit (IDP)

Temporary Construction Permit (TCP) or Intragovernmental Temporary Construction Permit (ITCP)

Temporary Construction Easement (TCE)

Existing Brass Cap or Copperweld

Existing Aluminum Cap

Existing Rebar or Iron Pipe

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.  BY: TITLE: DATE: WILL SERVE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.  CONTRACTOR: DATE: STORMART THE PROJECT AS CONSTRUCTED.  AS 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: PROJECT AS CONSTRUCTED.  COMPANY: DATE: MAIN MINISTER CHECKED BY: PROJECT AS CONSTRUCTED.  DATE: MAIN MINISTER CHECKED BY: PROJECT AS CONSTRUCTED.  MINISTER CHECKED BY: DATE: MAIN MINISTER CHECKED BY: PROJECT AS CONSTRUCTED.  MINISTER CHECKED BY: PROJECT AS CONSTRUCTED.  MINISTER CHECKED BY: DATE: PROJECT AS CONSTRUCTED.  MINISTER CHECKED BY: PROJECT AS CONSTRUCTED.  DATE: PROJECT AS CONSTRUCTED.  MINISTER CHECKED BY: PROJECT AS CONSTRUCTED.  DATE: PROJECT AS CONSTRUCTED.  MINISTER CHECKED BY: PROJECT AS CONST		CORD DRAWING		
OF THE PROJECT AS CONSTRUCTED.  CONTRACTOR:			. TITLE:	BASE
CONTRACTOR: STORM			TRUE AND ACCURATE REPRESENTATION	TOPO
BY: TITLE: DATE: WAT  2. DATA TRANSFERRED BY: TITLE: DATE: WAT  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: OAA  OAA				
2. DATA TRANSFERRED BY: TITLE: GAS 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:  QUA		CONTRACTOR:		
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:  QUA		BY: TITLE:		
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:  QUA	2.	DATA TRANSFERRED BY:	TITLE:	GAS
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:  QUA		COMPANY:	DATE:	TELE
SUPERVISION, THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.  DATA TRANSFER CHECKED BY:  TITLE:	-	DAGED ON DEDICADO FIEID ODCEDIATIONS DV THE ENGINEER FOR AN	INDIVIDUAL INDER THE AIRD DIRECT	ELEC
DATA TRANSFER CHECKED BY:				DES
DATE     DATE     MUN				QUA
COMPANY: DATE: MUN		DATA IRANSFER CHECKED BT:	DATE	PRE
		COMPANY:	DATE:	MUN

DATA	DRAWN BY	CHECKED BY			40	20		0	2	0	40				
BASE	TS	MJ	G	RAPHIC			_					SCALE			
TOPOGRAPHY	BW	BW	,	., ., ., .,								00/122			
PROFILE	RB	JK	FIELD BOOKS	BM NO.		LOCATION			ELEV.	REV	DATE	D	ESCRIPTION	BY	
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See M	OA Benchmark	Book,	Page D-56	94.77						<b>1</b> ₹
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See M	OA Benchmark	Book,	Page D-17	106.10						14 .
GAS	RK	JK	STAKING	GAAB 86	See M	OA Benchmark	Book,	Page D-18	104.53						
TELEPHONE	RK	JK													ENGIN
ELECTRIC	JH	TK													3940
DESIGN	RB	JK	ASBUILT												ANCI
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATU	M GAAB 1972	ADJUS1	Г							PH
PRELIMINARY/FINAL	RB	JK	INSPECTOR												
MUNICIPAL/STATE	RB	JK													
PLAN (	CHECK		CONSTRUCTION RECORD			VERTICAL D	ATUM					RE	VISIONS		









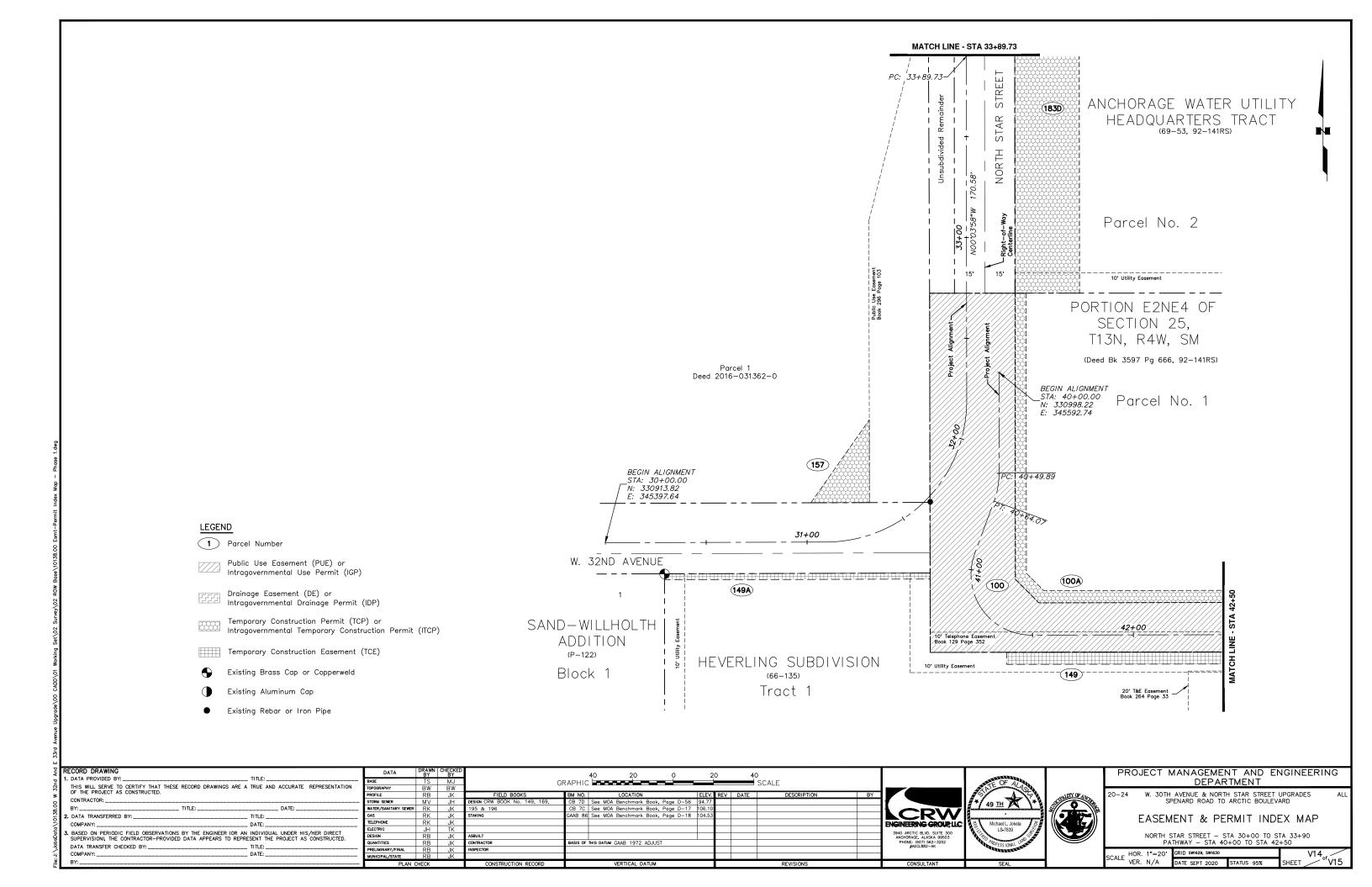
20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

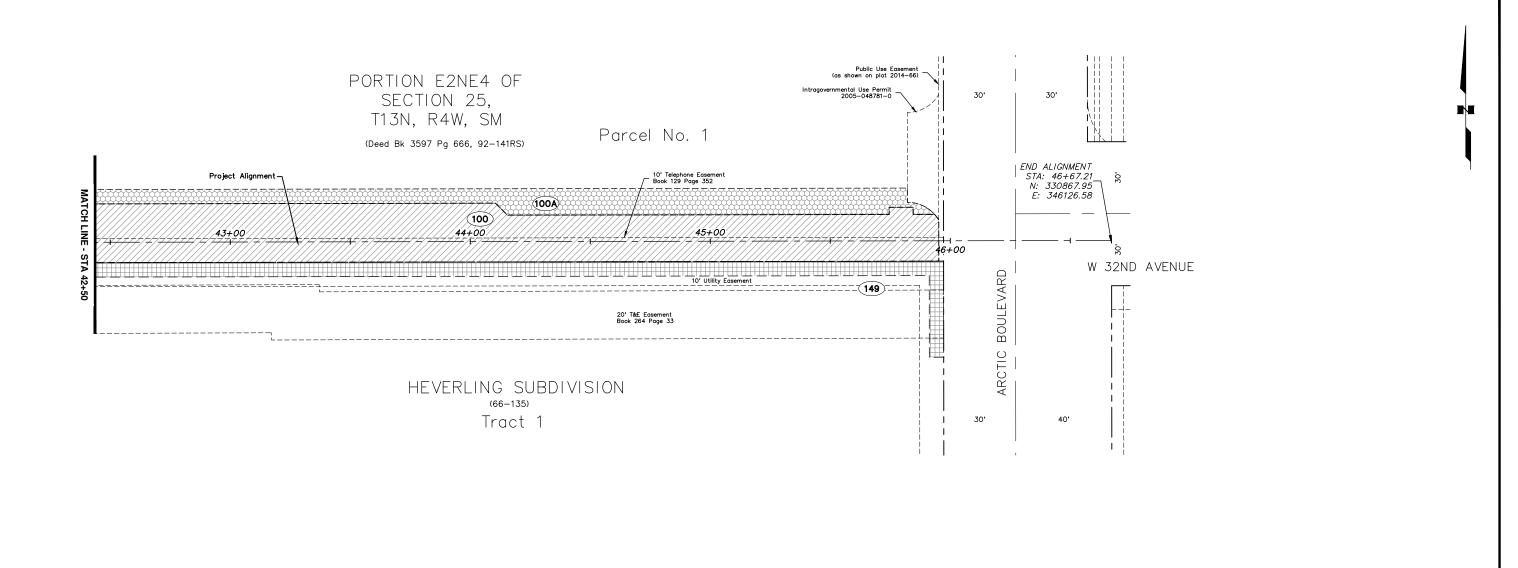
SPENARD ROAD TO ARCTIC BOOLEVARD

EASEMENT & PERMIT INDEX MAP

W. 30TH AVENUE - STA 19+50 TO 23+19

ı								
ı	00415	HOR.	1"=20'	GRID SW1629, SW1630			V13	
	SCALE	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEET	<i></i> °	<sup>†</sup> V15





1 Parcel Number

Public Use Easement (PUE) or Intragovernmental Use Permit (IGP)

Drainage Easement (DE) or Intragovernmental Drainage Permit (IDP)

Temporary Construction Permit (TCP) or Intragovernmental Temporary Construction Permit (ITCP)

Temporary Construction Easement (TCE)

Existing Brass Cap or Copperweld

Existing Aluminum Cap

• Existing Rebar or Iron Pipe

ш															
μ	RECORD DRAWING	DATA	DRAWN	CHECKED		40	20 0	30	40				T	PR	OJECT MANAGEMENT AND ENGINE
٦	1. DATA PROVIDED BY: TITLE:	BASE	TS	MJ	1	RAPHIC -	<del>-</del>	20		SCALE		OF A			DEPARTMENT
32	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION	TOPOGRAPHY	BW	BW	1	)(V()				SOMEL		 A The manner of Co	1	$\vdash$	
≥	OF THE PROJECT AS CONSTRUCTED.	PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV. REV	/ DATE	DESCRIPTION	BY	15 K	ON LITY OF ALL	20-24	W. 30TH AVENUE & NORTH STAR STREET UPGRAD
_	CONTRACTOR:	STORM SEWER	MV/	.IH	DESIGN CRW BOOK No. 149, 169.	CB 7D See M	IOA Benchmark Book Page I	D-56 94.77			1				SPENARD ROAD TO ARCTIC BOULEVARD

. 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: \_\_ DATE:

ISIS OF THIS DATUM GAAB 1972 ADJUST





INEERING

SPENARD ROAD TO ARCTIC BOULEVARD

EASEMENT & PERMIT INDEX MAP

PATHWAY - STA 42+50 TO 46+67

SCALE HOR. 1"=20' VER. N/A GRID SW1629, SW1630 V15 V15 DATE SEPT 2020 STATUS 95%

- (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 SIDEWALK OR CONCRETE APRON (SECTION 20.07).
- 3 REMOVE CURB AND GUTTER (SECTION 20.08).
- 4 REMOVE MANHOLE OR CATCH BASIN (SECTION 55.11).
- (7) REMOVE AND RESET FENCE (SECTION 70.08).
- REMOVE AND SALVAGE SIGN. THIS WORK SHALL BE INCIDENTAL TO THE BID ITEM STANDARD SIGNS (SECTION 70.11).
- (1) RELOCATE MAILBOX (SECTION 70.17).

- 12) REMOVAL/DISPOSAL AND/OR SALVAGE OF OBSTRUCTIONS (SECTION 70.22).
- 14) REMOVE UTILITY POLE OR LUMINAIRE ARM (BY OTHERS).
- 15) PROTECT IN PLACE.
- 18) REMOVE AND RELOCATE SIGNS (SECTION 70.10).
- 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 SHEET B3 FOR DETAIL.

#### IOTES:

- 1. SEE SUMMARY TABLE SHEETS B5 B7 FOR STATION AND OFFSET OF DEMOLITION ITEMS.
- 2. SEE ROADWAY IMPROVEMENTS (R) SHEETS FOR DRIVEWAY RECONSTRUCTION LIMITS.
- 3. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.

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:

DATE:

DATE:

DATE:

B ASSED 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:

TITLE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

DATE:

ENGINEERING GROUPLIC
3940 ARCTIC BLVD. SUITE 300
ARCHORAGE, ALASKA 99503
PHONE 307 3622–2522
PHONE 307 3622–2522





# PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

## DEMOLITION PLAN

W. 30TH AVE - SPENARD ROAD TO STA 16+00

COALE	HOR.	1"=30'	GRID SW1629, SW1630		B1., -	$\overline{}$
SCALE	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEETOTB	8

- (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 SIDEWALK OR CONCRETE APRON (SECTION 20.07).
- 3 REMOVE CURB AND GUTTER (SECTION 20.08).
- 4 REMOVE MANHOLE OR CATCH BASIN (SECTION 55.11).
- 5) DECOMMISSION FIRE HYDRANT ASSEMBLY (SINGLE PUMPER) (SECTION 60.08), SEE NOTE 4.
- 6 REMOVE PIPE (SECTION 70.07).
- REMOVE AND RESET FENCE (SECTION 70.08).
- 8 REMOVE FENCE (SECTION 70.08).
- REMOVE AND SALVAGE SIGN. THIS WORK SHALL BE INCIDENTAL TO THE BID ITEM STANDARD SIGNS (SECTION 70.11).
- 10 REMOVE BOLLARD (SECTION 70.13).

- (3) REMOVE LUMINAIRE POLE (SECTION 80.28).
- 14) REMOVE UTILITY POLE OR LUMINAIRE ARM (BY OTHERS).
- PROTECT IN PLACE.
- REMOVE EXISTING SANITARY SEWER CLEANOUT (SECTION 50.06).
- REMOVE AND RESET GATE (SECTION 70.08).
- REMOVE AND RELOCATE SIGNS (SECTION 70.10).
- 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 SHEET B3 FOR DETAIL.

- 1. SEE SUMMARY TABLE SHEETS B5 B7 FOR STATION AND OFFSET OF DEMOLITION ITEMS.
- 2. SEE ROADWAY IMPROVEMENTS (R) SHEETS FOR DRIVEWAY RECONSTRUCTION LIMITS.
- 3. CONTRACTOR SHALL COORDINATE WITH AWWU TO ENSURE THEY HAVE REMOVED AND/OR SECURED ITEMS IN EXISTING CONEX PRIOR TO RELOCATING CONEX. CONTRACTOR SHALL RELOCATE THE EXISTING CONEX DIRECTLY SOUTH TO THE EXISTING PARKING SPACES AND VERIFY RELOCATED CONEX IS IN A LOCATION ACCEPTABLE TO AWWU. ONCE PARCEL 183 PROPOSED IMPROVEMENTS ARE COMPLETE AND HAVE BEEN ACCEPTED BY ENGINEER, CONTRACTOR SHALL RELOCATE CONEX TO EXISTING LOCATION AS SHOWN OR A LOCATION ON PARCEL 183 ACCEPTABLE TO AWWU. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
- 4. FIRE HYDRANT REPLACEMENT WILL REQUIRE A WATER MAIN LINE SHUTDOWN. COORDINATE SHUTDOWN AND FIRE HYDRANT REPLACEMENT WORK WITH AWWU.
- 5. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.

K	ECORD DRAWING		Ĺ
1.	. DATA PROVIDED BY:	TITLE:	r
	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A OF THE PROJECT AS CONSTRUCTED.	TRUE AND ACCURATE REPRESENTATION	Ė
	CONTRACTOR:		r
	BY: TITLE:	DATE:	ľ
2.	. DATA TRANSFERRED BY:	TITLE:	Ĺ
	COMPANY:	DATE:	Ĺ
3	BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN	INDIVIDUAL LINDER HIS /HER DIRECT	L
٠.	SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRE		L
	DATA TRANSFER CHECKED BY:	TITLE:	L
	CONTRACTOR OF COLCORED DIT	DATE:	Ĺ

DATA	DRAWN BY	CHECKED BY			60 30	0	3	0	60	ı		
ASE	TS	MJ	G	RAPHIC	C <b></b>				_	SCALE		
POGRAPHY	BW	BW	0		·					007122		
ROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION		ELEV.	REV	DATE	DESCRIPTION	BY	
TORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book,	Page D-56	94.77					*
ATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book,	Page D-17	106.10					<b>I</b>
AS	RK	JK	STAKING	GAAB 86	6 See MOA Benchmark Book,	Page D-18	104.53					
ELEPHONE	RK	JK										ENG
LECTRIC	JH	TK										
ESIGN	RB	JK	ASBUILT									394 AN
UANTITIES	RB	JK	CONTRACTOR	BASIS OF THIS DATUM GAAB 1972 ADJUST								
RELIMINARY/FINAL	RB	JK	INSPECTOR									
UNICIPAL/STATE	RB	JK			-							
PLAN CHECK CONSTRUCTION RECORD VERTICAL DATUM REVISIONS												





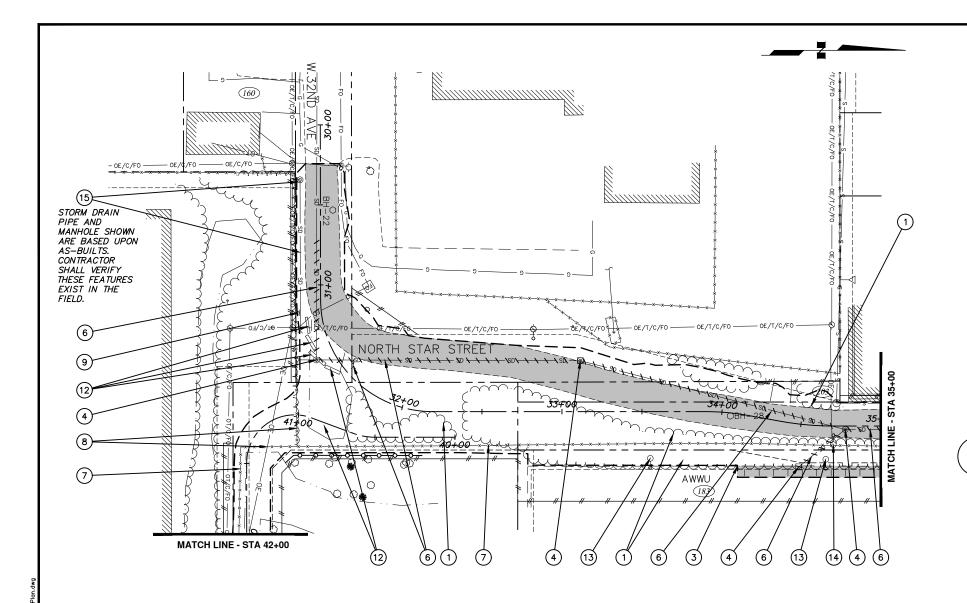
## PROJECT MANAGEMENT AND ENGINEERING **DEPARTMENT**

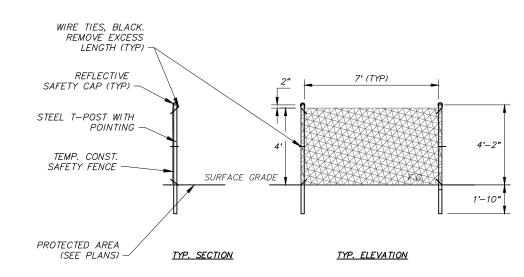
W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

## DEMOLITION PLAN

W. 30TH AVE - STA 16+00 TO ARCTIC BLVD NORTH STAR ST - STA 35+00 TO 36+46

CO.41.F	HOR.	1"=30'	GRID SW1629, SW1630			B2	. –
SCALE	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEET		B8





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 CURB AND GUTTER (SECTION 20.08).
- 4 REMOVE MANHOLE OR CATCH BASIN (SECTION 55.11).
- 6 REMOVE PIPE (SECTION 70.07).
- 7 REMOVE AND RESET FENCE (SECTION 70.08).
- 8 REMOVE FENCE (SECTION 70.08).

DATA TRANSFER CHECKED BY: \_\_\_

9 REMOVE AND SALVAGE SIGN. THIS WORK SHALL BE INCIDENTAL TO THE BID ITEM STANDARD SIGNS (SECTION 70.11).

DATE:

- 12) REMOVAL/DISPOSAL AND/OR SALVAGE OF OBSTRUCTIONS (SECTION 70.22).
- REMOVE LUMINAIRE POLE (SECTION 80.28).
- REMOVE UTILITY POLE OR LUMINAIRE ARM (BY OTHERS).
- PROTECT IN PLACE.
- 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 THIS SHEET FOR DETAIL.

- 1. SEE SUMMARY TABLE SHEETS B5 B7 FOR STATION AND OFFSET OF DEMOLITION ITEMS.
- 2. SEE ROADWAY IMPROVEMENTS (R) SHEETS FOR DRIVEWAY RECONSTRUCTION LIMITS.

I. DATA PROVIDED BY:\_ THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED. CONTRACTOR: \_ 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.

60 ■ SCALE GRAPHIC LANGE TO THE STATE OF T LOCATION B 7D See MOA Benchmark Book, Page D-5 B 7C See MOA Benchmark Book, Page D-1 AAB 86 See MOA Benchmark Book, Page D-18 104 ISIS OF THIS DATUM GAAB 1972 ADJUST

CRW





SCALE

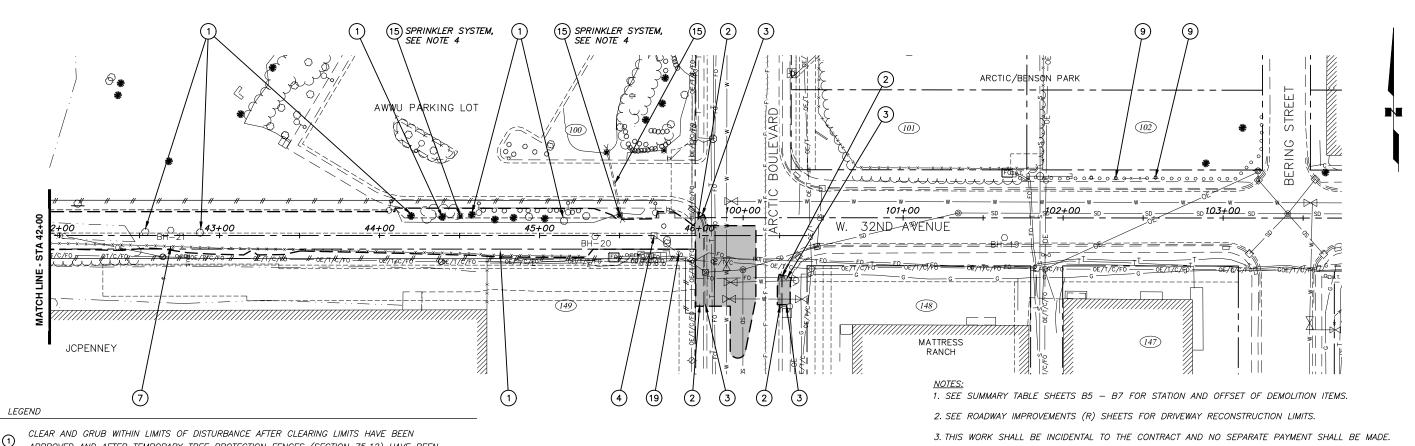
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

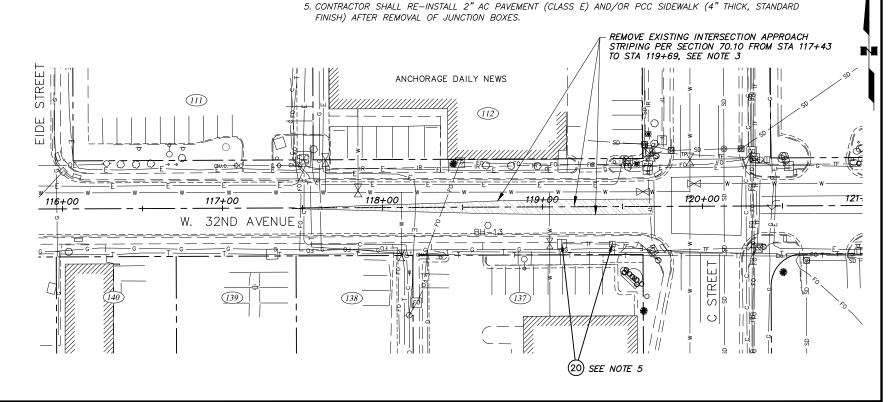
## DEMOLITION PLAN

NORTH STAR ST - STA 30+24 TO STA 35+00 PATHWAY - STA 40+00 TO 42+00

IOR.	1"=30'	GRID SW1629, SW1630		B.	3./
ÆR.	N/A	DATE SEPT 2020	STATUS 95%	SHEET	<sup>-°1</sup> B8



- 1 CLEAR AND GROB WITHIN LIMITS OF DISTORBANCE 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.
- REMOVE SIDEWALK OR CONCRETE APRON (SECTION 20.07).
- 3 REMOVE CURB AND GUTTER (SECTION 20.08).
- REMOVE MANHOLE OR CATCH BASIN (SECTION 55.11).
- 6 REMOVE PIPE (SECTION 70.07).
- 7 REMOVE AND RESET FENCE (SECTION 70.08).
- REMOVE FENCE (SECTION 70.08).
- REMOVE AND SALVAGE SIGN. THIS WORK SHALL BE INCIDENTAL TO THE BID ITEM STANDARD SIGNS (SECTION 70.11).
- 15 PROTECT IN PLACE.
- (19) ABANDON CATCH BASIN LEAD (SECTION 55.13).
- REMOVE JUNCTION BOX (SECTION 80.08)
- 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 SHEET B3 FOR DETAIL.



	LOUID DIVAMING							
1.	DATA PROVIDED BY:					TITLE:		
	THIS WILL SERVE TO OF THE PROJECT AS	CERTIFY THAT THESE CONSTRUCTED.	RECORD	DRAWINGS	ARE A	TRUE AND	ACCURATE	REPRESENTATION
	CONTRACTOR:							
	BY:		TITLE:				DATE:	
2.	DATA TRANSFERRED	BY:				TITLE:		
1	COMPANY:					DATE:		
		FIELD OBSERVATIONS CONTRACTOR—PROVIDED						
ı	DATA TRANSFER CHE	CKED BY:				TITLE:		
	COMPANY:					DATE:		
	BY:							

	DATA	DRAWN BY	CHECKED			60 30		0	3	0	60			
	BASE	TS	MJ		GRAPHIC			_				ALF		
	TOPOGRAPHY	BW	BW		011711 11110							,		
	PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATI	ON		ELEV.	REV	DATE	DESCRIPTION	BY	
	STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmo	rk Book, Page	e D−56	94.77					*
	WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmo	rk Book, Page	e D−17	106.10					<b> </b>
	GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmo	rk Book, Page	D-18	104.53					
	TELEPHONE	RK	JK											ENGINE
-	ELECTRIC	JH	TK											3940 A
	DESIGN	RB	JK	ASBUILT										ANCHO
	QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 19	2 ADJUST							PHO
	PRELIMINARY/FINAL	RB	JK	INSPECTOR										
	MUNICIPAL/STATE	RB	JK											
	- PLAN CHECK CONSTRUCTION RECORD			VERTICAL DATUM			REVISIONS							





4. CONTRACTOR SHALL REPLACE EXISTING SPRINKLER SYSTEM IF DAMAGED DURING CONSTRUCTION, SEE NOTE 3.

# PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

## DEMOLITION PLAN

PATHWAY - STA 42+00 TO ARCTIC BLVD W. 32ND AVE - STA 115+85 TO STA 121+00

^ A I E	HOR.	1"=30'	GRID SW1629, SW1630	B4 <sub>of</sub> ~		
JALE	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEET / "B	8

REMOVE	SIDEWALK OR CONCR	RETE APRON				2
SHEET	APPX STATION BEGIN	APPX OFFSET (FT)	APPX STATION END	APPX OFFSET (FT)	AREA (SY)	REMARKS
B1	10+29.1	54.3 RT	10+36.0	29.1 RT	8	W. 30TH AVE AND SPENARD ROAD
B1	10+45.4	27.3 LT	10+54.7	24.0 LT	11	W. 30TH AVE AND SPENARD ROAD
B1	11+43.3	17.6 RT	11+50.8	17.6 RT	2	W. 30TH AVE, PARCEL 191
B1	12+14.5	34.8 LT	12+50.8	34.8 LT	49	PARCEL 167 DWY
B1	12+96.7	21.4 LT	13+08.4	20.8 LT	6	W. 30TH AVE, PARCEL 168
B2	16+72.9	24.3 LT	16+93.5	24.2 LT	8	PARCEL 175
B2	18+99.7	22.0 LT	19+07.6	21.7 LT	4	W. 30TH AVE, PARCEL 177
B2	21+56.2	20.5 RT	21+67.7	15.1 RT	4	W. 30TH AVE, PARCEL 183
B2	21+82.1	18.8 LT	21+86.4	17.9 LT	1	W. 30TH AVE, PARCEL 182
B2	21+93.6	22.0 LT	22+34.2	21.9 LT	18	W. 30TH AVE, PARCEL 182
B2	22+57.3	21.7 RT	22+59.2	21.7 RT	1	PARCEL 183 SPILLWAY
B2	22+69.3	23.0 LT	22+89.6	33.5 LT	18	W. 30TH AVE AND ARCTIC BLVD
B2	22+86.1	21.8 RT	22+89.6	33.5 RT	8	W. 30TH AVE AND ARCTIC BLVD
B4	45+96.1	6.4 LT	45+97.6	43.1 RT	29	ARCTIC BLVD
В4	46+56.7	43.2 RT	46+57.4	26.5 RT	10	ARCTIC BLVD

20.00						
REMOVE	CURB AND GUTTER					3
SHEET	APPX STATION BEGIN	APPX OFFSET (FT)	APPX STATION END	APPX OFFSET (FT)	LENGTH (FT)	REMARKS
B1	10+24.1	54.3 RT	10+50.7	21.6 RT	52	W. 30TH AVE
B1	10+40.7	21.0 LT	10+56.5	15.6 LT	17	W. 30TH AVE
B1	11+33.5	16.8 LT	11+46.5	16.8 LT	13	W. 30TH AVE
B1	11+56.7	16.8 LT	11+62.5	16.8 LT	6	W. 30TH AVE
B1	12+84.9	16.0 RT	13+25.4	16.0 RT	41	W. 30TH AVE
B1	12+96.6	16.8 LT	13+42.4	17.0 LT	46	W. 30TH AVE
B1	13+44.3	16.1 RT	13+52.8	16.1 RT	8	W. 30TH AVE
B1	15+06.7	17.3 LT	15+54.7	17.2 LT	39	W. 30TH AVE
B1	15+07.8	15.5 RT	15+38.7	15.5 RT	31	W. 30TH AVE
B1	15+60.2	17.4 LT	15+82.7	17.2 LT	23	W. 30TH AVE
B2	16+02.4	17.3 LT	16+22.2	17.4 LT	20	W. 30TH AVE
B2	16+02.4	15.7 RT	16+88.2	15.4 RT	65	W. 30TH AVE
B2	16+46.7	17.4 LT	17+11.6	17.5 LT	65	W. 30TH AVE
B2	17+23.9	15.5 RT	17+11.8	15.0 RT	69	W. 30TH AVE
B2	17+36.9	17.4 LT	17+92.0	17.4 LT	53	W. 30TH AVE
B2	18+29.3	17.4 LT	18+45.2	17.4 LT	16	W. 30TH AVE
B2	18+38.7	16.5 RT	21+24.0	32.5 RT	376	W. 30TH AVE
B2	18+73.7	17.7 LT	20+82.1	17.9 LT	208	W. 30TH AVE
B2	21+20.3	17.7 LT	21+64.7	17.9 LT	41	W. 30TH AVE
B2	21+53.1	32.5 RT	21+60.1	28.0 RT	18	W. 30TH AVE
B2	21+66.4	23.4 RT	22+94.8	33.5 RT	156	W. 30TH AVE
B2	21+86.6	17.9 LT	22+04.5	18.0 LT	18	W. 30TH AVE
B2	22+21.7	18.2 LT	22+94.5	33.5 LT	81	W. 30TH AVE
B2	22+47.6	23.7 RT	22+59.0	31.6 RT	20	PARCEL 183
B2	35+00.0	26.9 RT	3+62.6	26.6 RT	103	PARCEL 183
В3	34+15.8	34.5 RT	35+00.0	26.9 RT	90	PARCEL 183
B4	46+00.0	11.6 LT	46+02.6	43.1 RT	55	ARCTIC BLVD
B4	46+51.6	43.2 RT	46+52.6	25.2 RT	18	ARCTIC BLVD

20.09

REMOVE P	REMOVE PAVEMENT										
SHEET	STATION TO STATION	OFFSET	AREA (SY)	REMARKS							
B1	BOP TO 16+00	LT & RT	3,152	W. 30TH AVE, DRIVEWAYS							
B2	16+00 TO EOP	LT & RT	3,514	W. 30TH AVE, NORTH STAR ST, ARCTIC BLVD, DWYS							
В3	30+24 TO 35+00	LT & RT	1,065	NORTH STAR ST, PARKING AREA							
B4	42+00 TO EOP	LT & RT	213	ARCTIC BLVD							

NOTES: 1. SEE ROADWAY IMPROVEMENT (R) SHEETS FOR ROADWAY PAVEMENT REMOVAL LIMITS.

2. SEE DRIVEWAY RECONSTRUCTION TABLE ON (T) SHEETS FOR DRIVEWAY REMOVAL LIMITS.

50.06										
REMOVE EX	REMOVE EXISTING SANITARY SEWER CLEANOUT (6)									
SHEET	STATION	OFFSET (FT)	REMARKS							
B2	22487.2	5 3 LT								

55.11					
REMOVE M.	ANHOLE OR	CATCH BASIN			4
SHEET	APPX STATION	APPX OFFSET (FT)	CATCH BASIN	MANHOLE	REMARKS
B1	10+41.6	20.6 RT	Х		
B2	18+20.5	3.4 RT		X	
B2	18+20.9	18.0 LT	X		
B2	18+39.9	15.6 RT	X		
B2	22+74.7	17.6 LT	Х		
B3	31+42.7	11.8 RT		X	
В3	33+11.5	31.8 LT		X	
В3	34+51.3	26.7 RT	Х		
В3	34+77.7	2.2 RT		Х	
B4	45+77.83	0.9 LT	X		

55.13								
ABANDON CATCH BASIN LEAD								
SHEET	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	SIZE (INCH)	LENGTH (FT)	REMARKS	
B4	45+77.8	0.9 LT	46+09.9	21.9 RT	12	39.4	STORM DRAIN	

RECORD DRAWING		
1. DATA PROVIDED BY:	_ TITLE:	BASE
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE	A TRUE AND ACCURATE REPRESENTATION	TOPOG
OF THE PROJECT AS CONSTRUCTED.		PROFIL
CONTRACTOR:		STORM
BY: TITLE:	DATE:	WATER
2. DATA TRANSFERRED BY:	_ TITLE:	GAS
COMPANY:	_ DATE:	TELEP
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AL	N INDIVIDUAL LINDER HIS MED DIRECT	ELECT
SUPERVISION). THE CONTRACTOR—PROVIDED DATA APPEARS TO REPR		DESIG
DATA TRANSFER CHECKED BY:	TITLE:	QUANT
DATA HANGER GREAKED DI.		PRELIM

DATA	DRAWN BY	CHECKED BY									
BASE	TS	MJ									1
TOPOGRAPHY	BW	BW									
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77					1
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10					1
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53					
TELEPHONE	RK	JK									I EN
ELECTRIC	JH	TK									1-"
DESIGN	RB	JK	ASBUILT								1
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST						1
PRELIMINARY/FINAL	RB	JK	INSPECTOR								1
MUNICIPAL/STATE	RB	JK									1
PLAN CHECK			CONSTRUCTION RECORD		VERTICAL DATUM				REVISIONS		Г





PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

DEMOLITION SUMMARY TABLES

SCALE HOR. N/A GRID SW1629, SW1630

VER. N/A DATE SEPT 2020 STATUS 95%

60.08

DECOMMISSION FIRE HYDRANT ASSEMBLY (SINGLE PUMPER)						
SHEET	STATION	OFFSET (FT)	REMARKS			
B2	16+25.2	21.7 RT	COORDINATE WITH AWWU FOR WATER MAIN SHUTDOWN			

70.07

REMOVE P	IPE						6
SHEET	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	SIZE (INCH)	LENGTH (FT)	REMARKS
B2	18+04.7	5.0 LT	18+18.3	13.7 RT	8	23.2	SEWER
B2	18+20.5	3.4 RT	18+20.9	18.0 LT	8	21.4	STORM DRAIN
B2	18+20.5	3.4 RT	18+39.9	15.6 RT	10	22.9	STORM DRAIN
B2	22+68.5	5.4 LT	22+87.2	5.4 LT	8	18.7	SEWER
B2	22+74.7	17.6 LT	23+19.6	16.6 LT	12	44.8	STORM DRAIN
B2	35+00.0	2.1 RT	36+42.2	1.9 RT	12	142.2	STORM DRAIN
B3	30+69.3	2.4 RT	31+42.7	11.8 RT	15	77.6	STORM DRAIN
В3	31+42.7	11.8 RT	33+11.5	31.8 LT	15	165.0	STORM DRAIN
В3	31+54.8	7.8 LT	31+58.3	5.2 LT	12	4.0	STORM DRAIN
В3	33+11.5	31.8 LT	34+77.7	2.2 RT	12	171.0	STORM DRAIN
В3	34+51.3	26.7 RT	34+77.7	2.2 RT	12	37.3	STORM DRAIN
В3	34+77.7	2.2 RT	35+00.0	1.9 RT	12	22.3	STORM DRAIN

70.08

REMOVE	REMOVE FENCE										
SHEET	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	REMARKS					
В3	41+40.6	14.3 LT	41+46.3	2.9 RT	17.7	CHAIN W/ BARBED WIRE					
В3	41+46.3	2.9 RT	41+58.6	3.9 RT	12.7	CHAIN W/ BARBED WIRE					

70.08

70.00										
REMOVE	EMOVE AND RESET GATE									
		EXISTING	LOCATION		PROPOSED LOCATION					
SHEET	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	REMARKS
B2	21+18.1	28.7 RT	21+26.6	29.1 RT	21+18.2	28.5 RT	21+26.7	28.9 RT	8.5	CHAIN, LT GATE SECTION
BZ	21+53.1	27.6 RT	21+61.8	21.8 RT	21+50.8	29.2 RT	21+62.0	21.6 RT	13.5	CHAIN, RT GATE SECTION

#### NOTES

- 1. STAKE RESET GATE LAYOUT IN THE FIELD FOR ENGINEER TO REVIEW AND APPROVE PRIOR TO INSTALLATION. THIS WORK SHALL BE INCIDENTAL TO SECTION 70.08 PAY ITEM.
- 2. EXISTING SIGNS ON GATES AND/OR GATE POSTS SHALL BE PROTECTED IN PLACE. IF REMOVAL OF SIGNS IS REQURED DURING CONSTRUCTION, CONTRACTOR SHALL RE-ATTACH SIGNS TO GATE AND/OR GATE POSTS AS DIRECTED BY ENGINEER IN THE FIELD. THIS WORK SHALL BE INCIDENTAL TO SECTION 70.08 PAY ITEM.

70.08

		EXISTING	LOCATION			PROPOSED	LOCATION			
SHEET	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	APPX BEGIN STATION	APPX BEGIN OFFSET (FT)	APPX END STATION	APPX END OFFSET (FT)	LENGTH (FT)	REMARKS
B1	12+88.4	23.0 RT	13+22.5	23.3 RT	12+88.3	24.5 RT	13+22.5	24.5 RT	34.2	WOOD
B1	13+09.2	20.4 LT	13+39.5	20.4 LT	13+10.1	23.5 LT	13+39.5	23.5 LT	29.4	CHAIN
B1	13+45.9	23.3 RT	13+66.0	23.6 RT	13+45.9	24.5 RT	13+66.0	24.5 RT	20.1	CHAIN
B1	15+37.3	23.7 LT	15+52.9	23.6 LT	15+37.4	23.9 LT	15+53.0	23.8 LT	15.6	CHAIN
B1	15+64.0	23.8 LT	15+82.7	23.7 LT	15+58.8	24.0 LT	15+82.8	24.0 LT	24.1	CHAIN
B2	19+07.6	23.5 LT	19+63.8	21.6 LT	19+07.7	23.5 LT	19+60.1	23.5 LT	52.4	CHAIN
B2	18+41.8	37.7 RT	18+49.2	37.6 RT	18+41.8	37.5 RT	18+49.2	37.5 RT	7.4	CHAIN
B2	21+61.8	21.8 RT	21+62.0	21.6 RT	21+62.0	21.6 RT	21+68.0	21.8 RT	6.0	CHAIN
B2	22+47.6	22.0 RT	22+62.1	22.3 RT	22+47.6	21.9 RT	22+62.2	22.1 RT	14.6	WOOD
B2	22+62.1	22.3 RT	22+64.5	26.6 RT	22+62.2	22.1 RT	22+64.6	26.5 RT	5.0	WOOD
B2	35+00.0	12.5 RT	36+21.9	15.2 RT	35+00.0	20.3 RT	36+14.4	20.3 RT	114.5	CHAIN W/BARBED WIRE
B3	31+64.4	59.6 RT	33+85.5	19.8 RT	31+65.2	61.1 RT	33+85.5	24.0 RT	221.1	CHAIN W/BARBED WIRE
В3	33+85.5	19.8 RT	33+89.0	19.8 RT	33+85.5	24.0 RT	33+89.0	20.5 RT	4.9	CHAIN W/BARBED WIRE
В3	33+89.0	19.8 RT	35+00.0	12.5 RT	33+89.0	20.5 RT	35+00.0	20.3 RT	113.9	CHAIN W/BARBED WIRE
В3	41+58.6	2.9 RT	42+00.0	3.9 RT	41+58.6	15.0 LT	42+00.0	15.0 LT	41.4	CHAIN W/BARBED WIRE
В3	41+10.2	21.8 LT	41+40.6	14.3 LT	41+11.2	24.0 LT	41+58.6	15.0 LT	15.3	CHAIN W/BARBED WIR
B4	42+00.0	3.9 RT	44+15.4	9.3 RT	42+00.0	15.0 LT	44+16.0	15.0 LT	216.0	CHAIN W/BARBED WIRE
В4	44+15.4	9.3 RT	44+20.6	9.4 RT	44+16.0	15.0 LT	44+21.0	10.0 LT	7.1	CHAIN W/BARBED WIR
B4	44+20.6	9.4 RT	45+35.3	11.9 RT	44+21.0	10.0 LT	+45.5	10.0 LT	133.3	CHAIN W/BARBED WIRE

- NOTES:
- 1. PROVIDE TEMPORARY FENCING PER SECTION 70.24 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.

CORD DRAWING				
DATA PROVIDED BY: _			TITLE:	
THIS WILL SERVE TO OF THE PROJECT AS		RECORD DRAWINGS ARE A	TRUE AND ACCURATE	REPRESENTATION
CONTRACTOR:				
BY:		TITLE:	DATE:	<b>!</b>
DATA TRANSFERRED E	3Y:		TITLE:	
COMPANY:			DATE:	
SUPERVISION), THE CO	INTRACTOR-PROVIDED	BY THE ENGINEER (OR AN DATA APPEARS TO REPRE	SENT THE PROJECT AS	CONSTRUCTED.
DATA TRANSFER CHEC	KED BY:		TITLE:	

DATA	DRAWN BY	CHECKED								
BASE	TS	MJ								
TOPOGRAPHY	BW	BW								
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77				
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10				
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53				
TELEPHONE	RK	JK								
ELECTRIC	JH	TK								
DESIGN	RB	JK	ASBUILT							
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST					
PRELIMINARY/FINAL	RB	JK	INSPECTOR							
MUNICIPAL/STATE	RB	JK								
PLAN (	CHECK		CONSTRUCTION RECORD		VERTICAL DATUM		REVISIONS			

NGINEERING GROUPLIC
3940 ARCTIC BLVD. SUITE 300
ANGRIGAGE, ALASKA 99503
PHORE 307 5627–3252

ACCU832-AV





PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

DEMOLITION SUMMARY TABLES

DEMOCITION SOMMAN TABLES

SCALE HOR. N/A GRID SW1629, SW1630

DATE SEPT 2020 STATUS 95% SHEET Of E

NOTE: WORK TO REMOVE AND SALVAGE EXISTING SIGNS & POSTS SHALL BE INCIDENTAL TO SECTION 70.11 STANDARD SIGN PAY ITEM.

70	11	
7()		

70.11						
B1	(18)					
SHEET				LEGEND	=	REMARKS
B1	B1 15+83 23.8 I	23.8 LT	R1-1	STOP	PERFORATED STEEL TUBE	ON PARCEL 173
P2	10   50	26 4 DT	SPECIAL	MAIN ENTRANCE CUSTOMER PARKING	DEDEODATED STEEL TUDE	ON PARCEL 183
B2	10+30	20.4 KT	SPECIAL	MAIN ENTRANCE CUSTOMER PARKING	PERFORATED STEEL TOBE	ON PARCEL 163
B2	18+93	27.8 RT	R1-1	STOP	PERFORATED STEEL TUBE	ON PARCEL 183
B2	21+55	31.5 RT	R1-1	STOP	PERFORATED STEEL TUBE	ON PARCEL 183

NOTE: INSTALL RELOCATED SIGN IN SAME APPROXIMATE STATION AND OFFSET AS THE EXISTING LOCATION. STAKE RELOCATED SIGN LOCATION FOR ENGINEER'S APPROVAL PRIOR TO INSTALLING. THIS WORK SHALL BE INCIDENTAL TO THIS PAY ITEM.

#### 70.13

	REMOVE BOLLARD           SHEET         STATION         OFFSET (FT)         REMARKS           B2         16+26.9         19.3 RT         STEEL           B2         16+23.1         19.9 RT         STEFL			
			100	
	SHEET	STATION	OFFSET (FT)	REMARKS
	B2	16+26.9	19.3 RT	STEEL
	B2	16+23.1	19.9 RT	STEEL

#### 70.17

RELOCATE MA					11)
		NEW LC	CATION		
APPX APPX		APPX	APPX		
SHEET	STATION	OFFSET (FT)	STATION	OFFSET (FT)	REMARKS
B1	13+14.5	17.8 RT	13+14.5	23.5 RT	PARCEL 189

NOTE: SEE SHEET D5 FOR MAILBOX INSTALLATION DETAILS.

#### 70.22

REMOVAL/DISPOSAL AND/OR SALVAGE OF OBSTRUCTIONS  SHEET APPX APPX OBSTRUCTION ITEM ACTION  ACTION									
SHEET	SHEET         STATION         OFFSET (FT)           B1         105+52         27.2 RT           B1         15+28         16.7 RT		OBSTRUCTION ITEM	ACTION					
B1	105+52	27.2 RT	BOULDERS (TYP. OF 6)	PLACE ON PARCEL 191					
B1	15+28	16.7 RT	CONCRETE PLANTER	PLACE ON PARCEL 186					
B1	15+69	19.4 LT	CONCRETE PEDESTAL	PLACE ON PARCEL 173					
В3	31+23	9.8 RT	JERSEY BARRIER	HAUL OFF AND DISPOSE					
В3	31+33	10.7 RT	JERSEY BARRIER	HAUL OFF AND DISPOSE					
В3	31+42	10.7 RT	JERSEY BARRIER	HAUL OFF AND DISPOSE					
В3	31+52	6.3 RT	JERSEY BARRIER	HAUL OFF AND DISPOSE					
В3	40+86	10.9 LT	TRASH	HAUL OFF AND DISPOSE TRASH					

#### 80.08

				REMARKS
REMOVE JUN	B4 119+12.0 23.1 RT			20
SHEET	APPX STATION	APPX OFFSET (FT)	REMARKS	
B4	119+12.0	23.1 RT		
B4	119+43.5	23.4 RT		

#### 80.28

MOVE LUMI	NARE POLE		
	APPX	APPX	
SHEET	STATION	OFFSET (FT)	REMARKS
B2	35+77.8	19.9 RT	
В3	33+56.4	27.4 RT	
В3	34+66.4	20.7 RT	

	LOOKE BRAWING			
1.	DATA PROVIDED BY:		TITLE:	
	THIS WILL SERVE TO CERTIFY THAT THESE OF THE PROJECT AS CONSTRUCTED. CONTRACTOR:			REPRESENTATION
	BY:	TITLE:	DATE:	
١,	DATA TRANSFERRED BY		TITLE:	

COMPANY: \_\_ DATE: \_ 5. 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: \_\_\_\_ COMPANY: \_ DATE: \_

	DATA	BY	BY	
-	BASE	TS	MJ	
	TOPOGRAPHY	BW	BW	
	PROFILE	RB	JK	
-	STORM SEWER	MV	JH	DESIGN (
- 1	WATER/SANITARY SEWER	RK	JK	195 &
.	GAS	RK	JK	STAKING
.	TELEPHONE	RK	JK	
1	ELECTRIC	JH	TK	
	DESIGN	RB	JK	ASBUILT
	QUANTITIES	RB	JK	CONTRAC
- 1	PRELIMINARY/FINAL	RB	JK	INSPECTO
- 1	MUNICIPAL/STATE	RR	.JK	

DATA	DRAWN BY	CHECKED										ĺ
	TS	MJ										ı
YHY	BW	BW										
	RB	JK	FIELD BOOKS	BM NO.	LOCATION		ELEV.	REV	DATE	DESCRIPTION	BY	
WER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark	Book, Page D-56	94.77					*
ANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark	Book, Page D-17	106.10					4
	RK	JK	STAKING	GAAB 86	See MOA Benchmark	Book, Page D-18	104.53					
E	RK	JK										Ē
	JH	TK										Ι-
	RB	JK	ASBUILT									ı
ES	RB	JK	CONTRACTOR	BASIS OF T	THIS DATUM GAAB 1972	ADJUST						ı
ARY/FINAL	RB	JK	INSPECTOR									ı
L/STATE	RB	JK										
PLAN C	CHECK		CONSTRUCTION RECORD	CB 7C See MOA Benchmor GAAB 86 See MOA Benchmor BASIS OF THIS DATUM GAAB 197:		ATUM				REVISIONS		







PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

DEMOLITION SUMMARY TABLES

GRID SW1629, SW1630 SCALE HOR. N/A DATE SEPT 2020 STATUS 95%

B7<sub>of</sub>B8

## 75.12

TEMPOR.	B1 12+86.5 25.3 RT 13+26.6 25.3 RT 40.1 B1 13+44.7 25.3 RT 13+67.2 25.3 RT 22.5 B1 15+08.6 37.3 RT 15+08.6 25.1 RT 12.2 B1 15+08.6 25.1 RT 15+40.3 25.1 RT 31.7 B1 15+40.3 25.1 RT 15+42.3 30.5 RT 5.7 B2 18+51.0 37.4 RT 18+51.4 30.7 RT 6.8 B2 18+51.4 30.7 RT 18+60.3 37.2 RT 7.3 B2 18+58.8 30.7 RT 18+60.3 37.2 RT 6.7 B2 19+03.0 28.7 RT 19+09.7 21.6 RT 9.8 B2 19+09.7 21.6 RT 19+92.3 21.7 RT 82.6 B2 19+92.3 21.7 RT 19+92.0 26.1 RT 4.5 B2 19+92.0 26.1 RT 20+02.0 21.6 RT 4.4 B2 20+02.3 26.1 RT 20+02.0 21.6 RT 4.4 B2 20+02.0 21.6 RT 21+14.9 22.0 RT 112.9 B3 40+20.5 11.4 LT 41+04.6 25.2 LT 80.3					
SHEET						REMARKS
B1	12+86.5	25.3 RT	13+26.6	25.3 RT	40.1	
B1	13+44.7	25.3 RT	13+67.2	25.3 RT	22.5	
B1	15+08.6	37.3 RT	15+08.6	25.1 RT	12.2	
B1	15+08.6	25.1 RT	15+40.3	25.1 RT	31.7	
B1	15+40.3	25.1 RT	15+42.3	30.5 RT	5.7	
B2	18+51.0	37.4 RT	18+51.4	30.7 RT	6.8	
B2	18+51.4	30.7 RT	18+58.8	30.7 RT	7.3	
B2	18+58.8	30.7 RT	18+60.3	37.2 RT	6.7	
B2	19+03.0	28.7 RT	19+09.7	21.6 RT	9.8	
B2	19+09.7	21.6 RT	19+92.3	21.7 RT	82.6	
B2	19+92.3	21.7 RT	19+92.0	26.1 RT	4.5	
B2	19+92.0	26.1 RT	20+02.3	26.1 RT	10.3	
B2	20+02.3	26.1 RT	20+02.0	21.6 RT	4.4	
B2	20+02.0	21.6 RT	21+14.9	22.0 RT	112.9	
B2	21+14.9	22.0 RT	21+14.8	27.1 RT	5.1	
В3	40+20.5	11.4 LT	41+04.6	25.2 LT	80.3	
В3	41+04.6	25.2 LT	41+49.1	24.2 LT	6.9	
B4	42+07.4	18.6 LT	42+15.4	18.5 LT	8.0	

ECORD DRAWING				
DATA PROVIDED BY:		TITLE:		BASE
THIS WILL SERVE TO CERTIFY THAT THESE	RECORD DRAWINGS ARE A	TRUE AND ACCURATE	REPRESENTATION	TOPO
OF THE PROJECT AS CONSTRUCTED.				PROF
CONTRACTOR:				STOR
BY:	TITLE:	DATE:		WATE
. DATA TRANSFERRED BY:		TITLE:		GAS
COMPANY:		DATE:		TELEF
. BASED ON PERIODIC FIELD OBSERVATIONS				ELEC.
SUPERVISION). THE CONTRACTOR—PROVIDED	DATA APPEARS TO REPRE	SENT THE PROJECT AS	CONSTRUCTED.	DESIG
DATA TRANSFER CHECKED BY:				QUAN
COMPANY:				PREL
COMPANT:		DATE:		MUNI

DATA	DRAWN BY	CHECKED BY									
E	TS	MJ									
OGRAPHY	BW	BW									1 .
FILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	11
RM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77					1
TER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10					á
3	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53					Ш
EPHONE	RK	JK									H
CTRIC	JH	TK									1.
IGN	RB	JK	ASBUILT								1
NTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST						1
LIMINARY/FINAL	RB	JK	INSPECTOR								1
IICIDAI /STATE	PR.	.lk									1

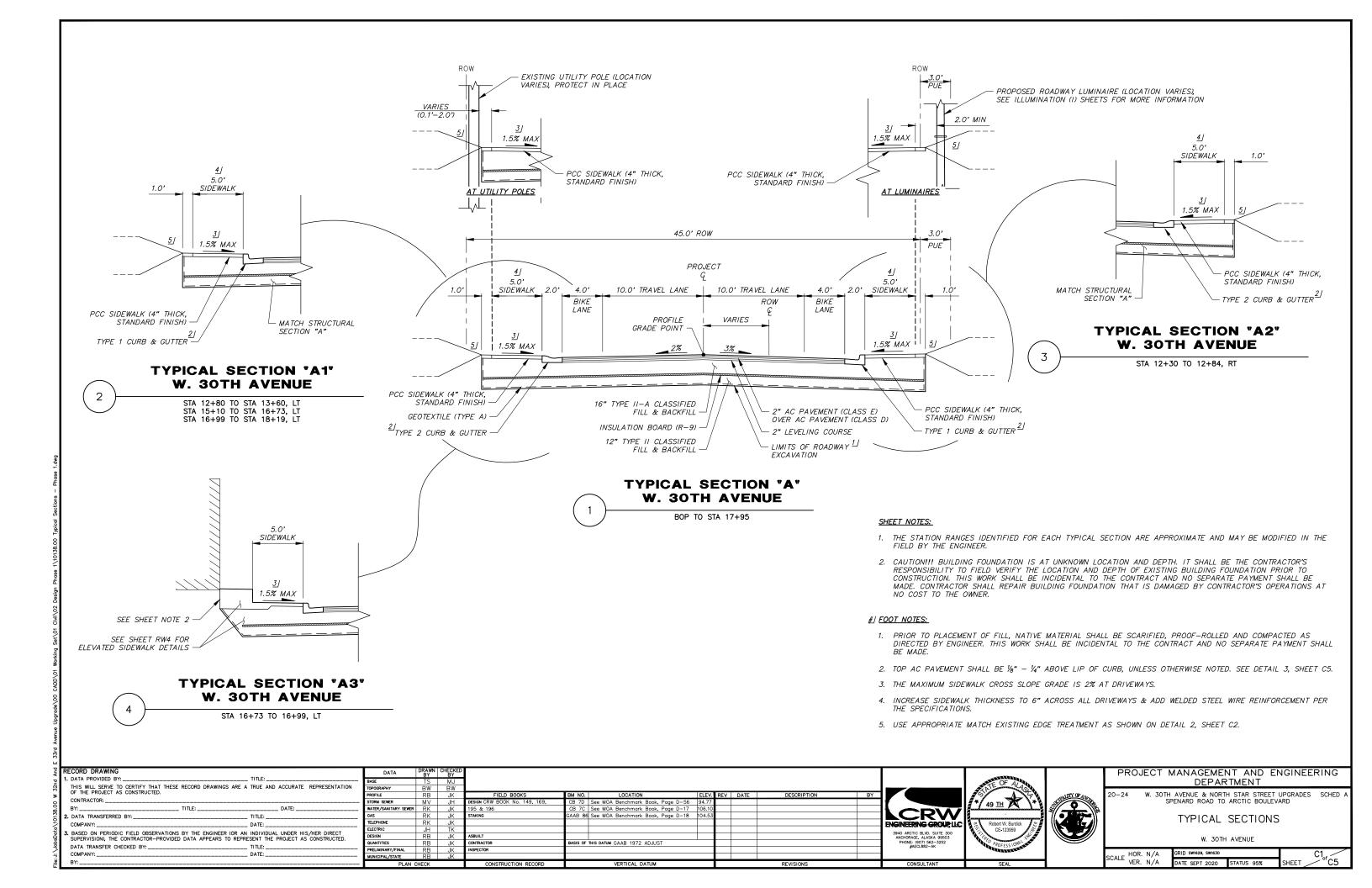


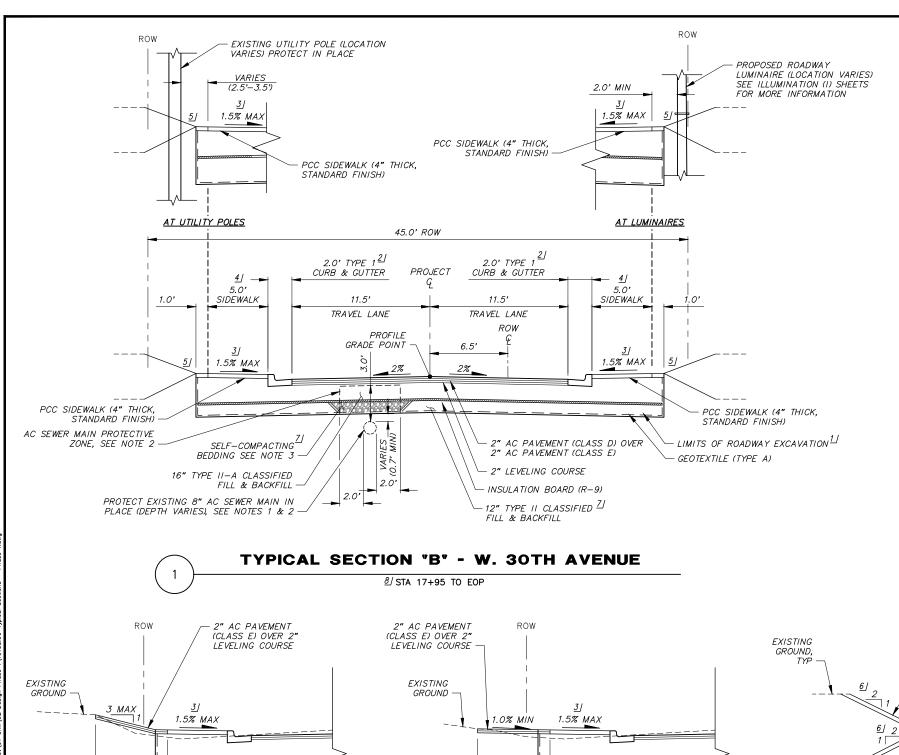
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SPENARD ROAD TO ARCTIC BOULEVARD

DEMOLITION SUMMARY TABLES

L				
	CALE HOR. N/A	GRID SW1629, SW1630		B8.,
3	VER. N/A	DATE SEPT 2020	STATUS 95%	SHEET SHEET





#### SHEET NOTES:

- 1. PRIOR TO BEGINNING EXCAVATION OPERATIONS ALONG 30TH AVENUE AND NORTH STAR STREET, CONTRACTOR WILL CLEAN EXISTING AC SEWER MAINS ALONG THESE ROADWAYS WITHIN THE PROJECT LIMITS AND COMPLETE A CONDITION ASSESSMENT CCTV PER MASS SECTION 50.07. AFTER ROADWAY EXCAVATION AND BACKFILL IS COMPLETE, BUT PRIOR TO INSTALLATION OF CURB/GUTTER AND PAVEMENT, CONTRACTOR WILL CLEAN EXISTING AC SEWER MAINS WITHIN THE PROJECT LIMITS AND COMPLETE A CONDITION ASSESSMENT PER MASS SECTION 50.07. CONTRACTOR WILL NOT PAVE OR INSTALL CURB AND GUTTER UNTIL CCTV ASSESSMENTS HAVE BEEN PROVIDED TO ENGINEER FOR REVIEW, UPON REVIEW OF THE CCTV ASSESSMENTS, ENGINEER WILL PROVIDE A WRITTEN APPROVAL TO CONTRACTOR TO PROCEED WITH INSTALLATION OF CURB AND GUTTER AND PAVEMENT
- 2. CONTRACTOR SHALL PROTECT THE SHALLOW-BURIED AC SEWER MAIN FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. ANY DAMAGE CAUSED BY CONTRACTOR'S OPERATIONS THAT DEVIATE FROM THESE DRAWINGS AND/OR SPECIFICATIONS WILL REQUIRE REPLACEMENT OR CORRECTIONS OF SEWER MAIN AT CONTRACTOR'S EXPENSE AS DIRECTED BY ENGINEER. CONTRACTOR WILL NOT ROUTE OR PARK CONSTRUCTION EQUIPMENT ABOVE SEWER MAIN WHERE TOP OF PIPE IS LESS THAN 3-FEET BELOW BASE OF EXCAVATION OR BACKFILL DEPTH, EXCEPT FOR USE OF HAND-OPERATED COMPACTION EQUIPMENT WHICH IS ALLOWABLE. CONTRACTOR WILL USE HAND DIGGING EQUIPMENT WHEN SEWER MAIN IS LOCATED WITHIN 1.5' OF EXCAVATION LIMITS OR AT PROPOSED STORM DRAIN CROSSINGS OF THE SEWER MAIN.
- 3. SEE SELF-COMPACTING BEDDING SUMMARY TABLE, THIS SHEET, FOR STATION RANGE OF SELF-COMPACTING BEDDING AND EXISTING 8" AC SEWER MAIN, INSTALL TYPE II CLASSIFIED FILL & BACKFILL IN THE ABSENCE OF SELF-COMPACTING BEDDING.
- 4. THE STATION RANGES IDENTIFIED FOR EACH TYPICAL SECTION ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD BY THE ENGINEER.

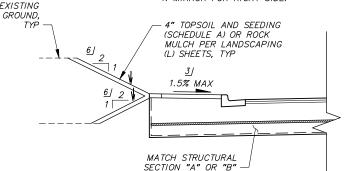
SELF-COMPACTING BEDDING SUMMARY TABLE								
FROM STA	TO STA	REMARKS						
18+05	22+69	30TH AVENUE						

#### # | FOOT NOTES:

- 1. 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.
- 2. TOP AC PAVEMENT SHALL BE "" "4" ABOVE LIP OF CURB, UNLESS OTHERWISE NOTED. SEE DETAIL 3, SHEET C5.
- 3. THE MAXIMUM SIDEWALK CROSS SLOPE GRADE IS 2% AT DRIVEWAYS.
- 4. INCREASE SIDEWALK THICKNESS TO 6" ACROSS ALL DRIVEWAYS & ADD WELDED STEEL WIRE REINFORCEMENT PER THE SPECIFICATIONS
- 5. USE APPROPRIATE MATCH EXISTING EDGE TREATMENT AS SHOWN ON DETAIL 2. THIS SHEET.
- 6. THE TYPICAL AND MAXIMUM CUT/FILL SLOPES ARE 2 (HORIZONTAL): 1 (VERTICAL). FILL SLOPES MAY VARY ALONG ROADWAY TO PROVIDE POSITIVE DRAINAGE TOWARD ROADWAY. SEE DETAIL 2, SHEET C5. SEE ROADWAY SHEETS FOR LOCATIONS. THE ENGINEER MAY ADJUST THE TYPICAL SLOPES IN THE FIELD.
- 7. INCREASE DEPTH OF TYPE II CLASSIFIED FILL & BACKFILL/SELF-COMPACTING BEDDING FROM 12" TO 20" FROM STATION 20+40 TO EOP.
- 8. TRAVEL LANE WIDTH VARIES FROM (10.0'-11.5') AND BIKE LANE WIDTH (4.0'-0') VARIES FROM TYPICAL SECTION "A" TO "B", SEE INTERSECTION LAYOUT SHEETS FOR NECKDOWN TRANSITION LOCATIONS.

#### MATCH EXISTING EDGE TREATMENT NOTE:





EXISTING
GROUND

4" TOPSOIL AND SEEDING
(SCHEDULE A)

BEGIN CUT SLOPE AT
BACK OF SIDEWALK

3J
1.5% MAX

MATCH STRUCTURAL
SECTION "A" OR "B"

ADJACENT TO PAVED SURFACES - FILL CONDITION

MATCH STRUCTURAL SECTION "A" OR "B"

VARIES

3.0' MIN

ADJACENT TO GRASSED/ROCK MULCH AREAS - CUT/FILL CONDITION

ADJACENT TO GRASSED AREAS WITH NO SHOULDER - CUT CONDITION
STA 15+05 TO STA 15+43, LT

## W. 30TH AVENUE - TYPICAL MATCH EXISTING EDGE TREATMENT

	ECORD DRAWING		Г
1.	DATA PROVIDED BY:		10
	DATA PROVIDED BY:	TRUE AND ACCURATE REPRESENTATION	Ŧ
	OF THE PROJECT AS CONSTRUCTED.		P
	CONTRACTOR:		s
	BY: TITLE:	DATE:	V
	DATA TRANSFERRED BY:		
	COMPANY:	DATE:	Ŀ
	BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN		Ŀ
٥.	SUPERVISION). THE CONTRACTOR—PROVIDED DATA APPEARS TO REPRI		0
	DATA TRANSFER CHECKED BY:		٥
	COMPANY.		f

MATCH STRUCTURAL

SECTION "A" OR "B"

ADJACENT TO PAVED SURFACES - CUT CONDITION

**VARIES** 

2

DATA	BY	CHECKED									
BASE	TS	MJ									
TOPOGRAPHY	BW	BW									
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	]
STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77					1≢
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10					14
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53					16
TELEPHONE	RK	JK									] EN
ELECTRIC	JH	TK									
DESIGN	RB	JK	ASBUILT								1
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST						1
PRELIMINARY/FINAL	RB	JK	INSPECTOR								1
MUNICIPAL/STATE	RB	JK									
PLAN CHECK			CONSTRUCTION RECORD		VERTICAL DATUM				REVISIONS		T







# PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

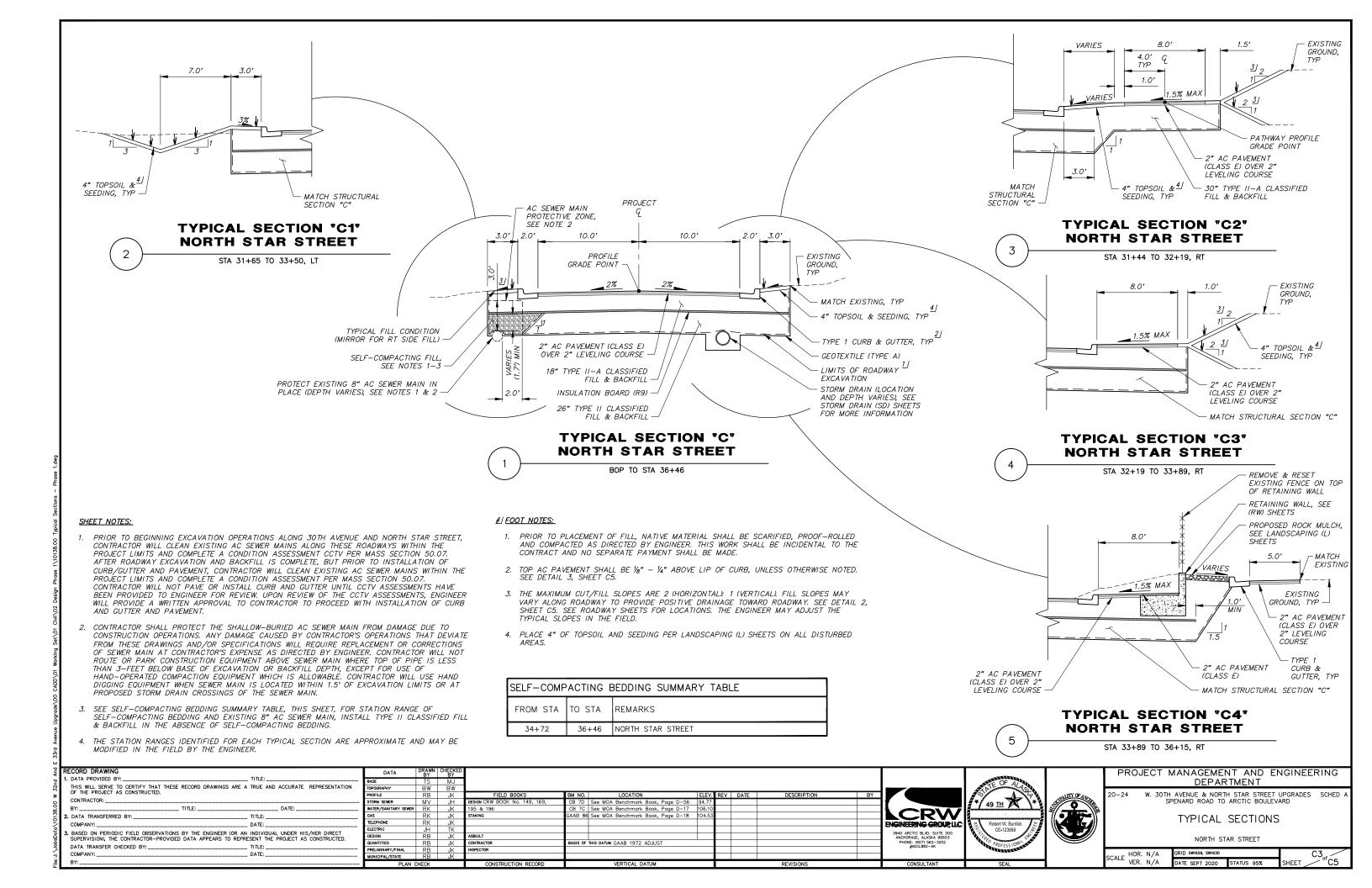
20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SCHED SPENARD ROAD TO ARCTIC BOULEVARD

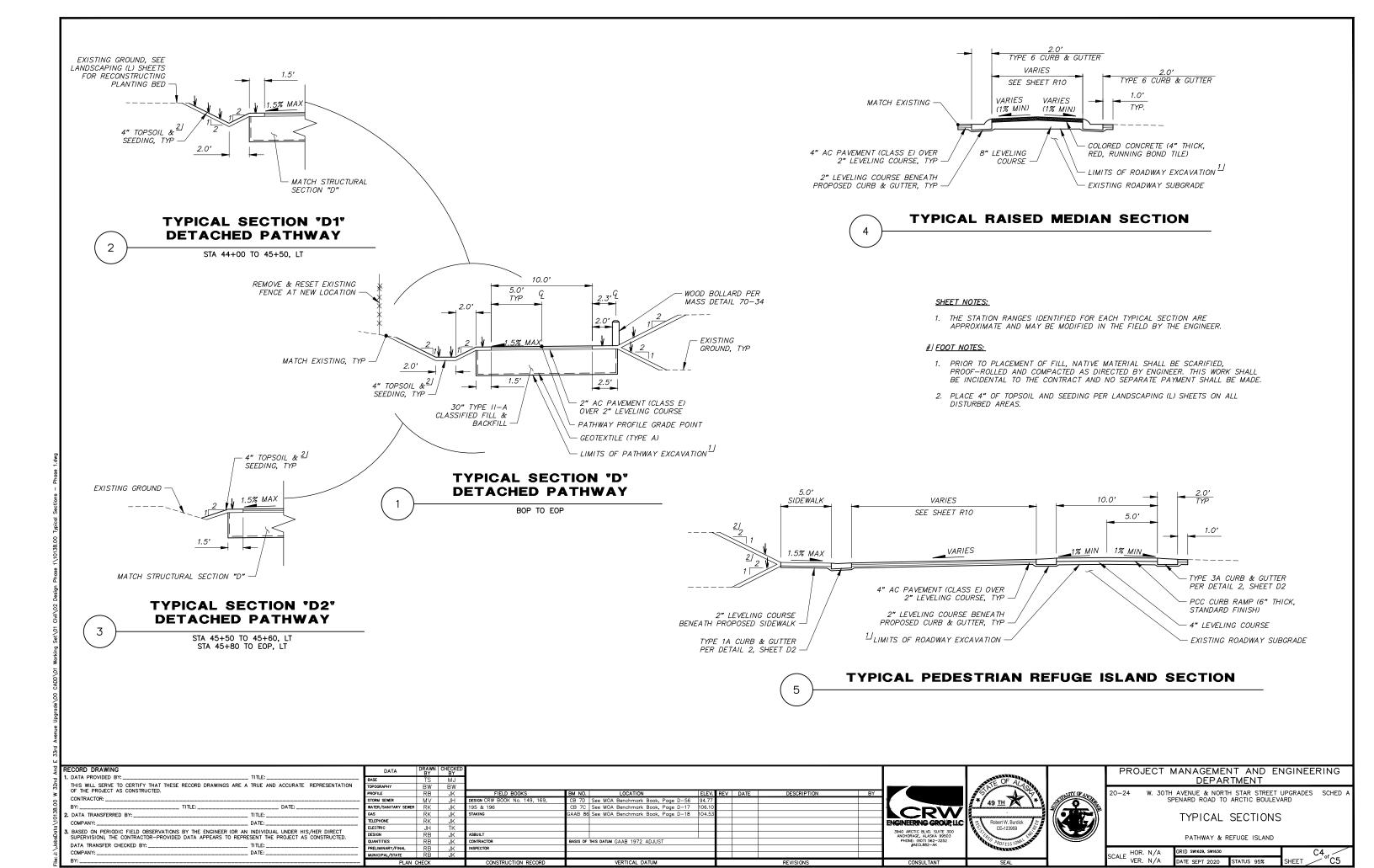
TYPICAL SECTIONS

W. 30TH AVENUE

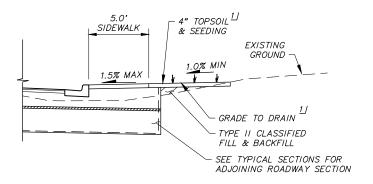
ALE HOR. N/A GRID SWI629, SWI630

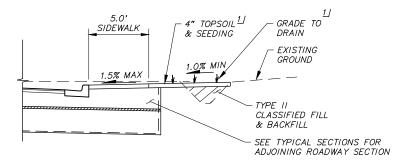
DATE SEPT 2020 STATUS 95% SHEET C5

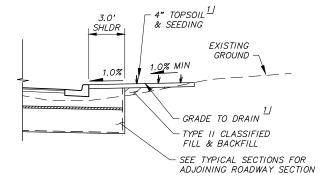




## TYPICAL SECTION "E" DRIVEWAY PAVED







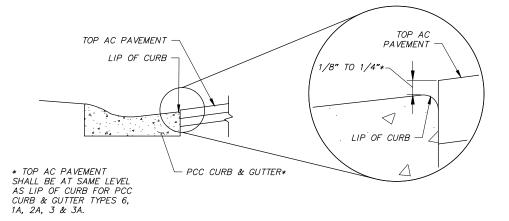
#### SPECIAL FILL GRADING DETAILS

#### SHEET NOTES:

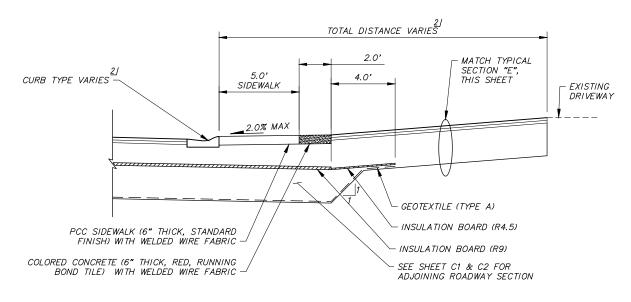
1. SEE SHEETS C1-C2 FOR ADJOINING ROADWAY SECTION.

#### #/FOOT NOTES:

- 1. PLACE 4" OF TOPSOIL AND SEEDING PER LANDSCAPING (L) SHEETS ON ALL DISTURBED AREAS.
- 2. SEE RECONSTRUCT DRIVEWAY SUMMARY TABLE ON THE ROADWAY SUMMARY TABLE (T) SHEETS, DRIVEWAY RECONSTRUCTION PLANS & DRIVEWAY DETAILS FOR DRIVEWAY RECONSTRUCTION
- 3. INSTALL INSULATION ADJACENT TO DRIVEWAY AND TRANSITION TO DRIVEWAY SECTION PER DETAIL 4,
- 4. SEE SHEET RW5 FOR CONCRETE DRIVEWAY DETAILS.
- 5. FOR DRIVEWAYS WITH CURB RETURNS, EXTEND R9 INSULATION AND BEGIN TRANSITION TO TYPICAL SECTION "E" 1 FOOT BEYOND BACK OF SIDEWALK EXTENDED.



#### **CURB AND GUTTER & AC PAVEMENT EDGE DETAIL**



# TYPICAL DRIVEWAY CONNECTION SECTION

ı				
2		CORD DRAWING		
2	1.	DATA PROVIDED BY:	_ TITLE:	BASE
į		THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A OF THE PROJECT AS CONSTRUCTED.	TRUE AND ACCURATE REPRESENTATION	TOPO
		CONTRACTOR:		STOR
		BY: TITLE:		WATE
	2.	DATA TRANSFERRED BY:		GAS
:		COMPANY:	DATE:	TELE
1		BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN		ELEC
í	٥.	SUPERVISION). THE CONTRACTOR—PROVIDED DATA APPEARS TO REPR		DESI
3		DATA TRANSFER CHECKED BY:	TITI F:	QUA
: 1		COMPANY:		PREL

2

DATA	BY	BY									ı
SE	TS	MJ									ı
POGRAPHY	BW	BW									1 .
OFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	11
ORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77					1
TER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10					1
ıs	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53					11
LEPHONE	RK	JK									li
ECTRIC	JH	TK									1-
SIGN	RB	JK	ASBUILT								ı
JANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST						ı
RELIMINARY/FINAL	RB	JK	INSPECTOR								ı
JNICIPAL/STATE	RB	JK									L
PLAN CHECK			CONSTRUCTION RECORD		VERTICAL DATUM				REVISIONS		Г

3





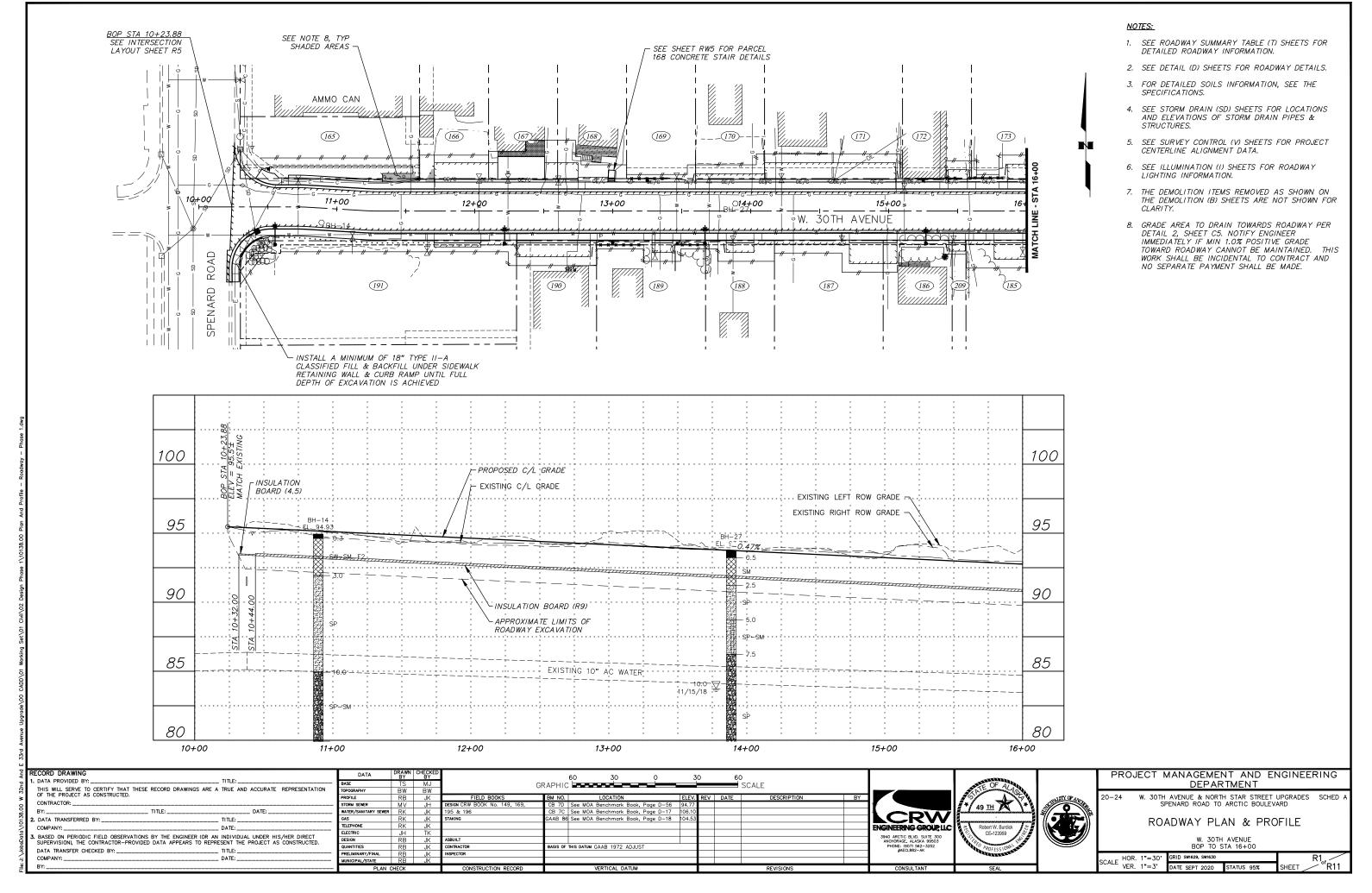


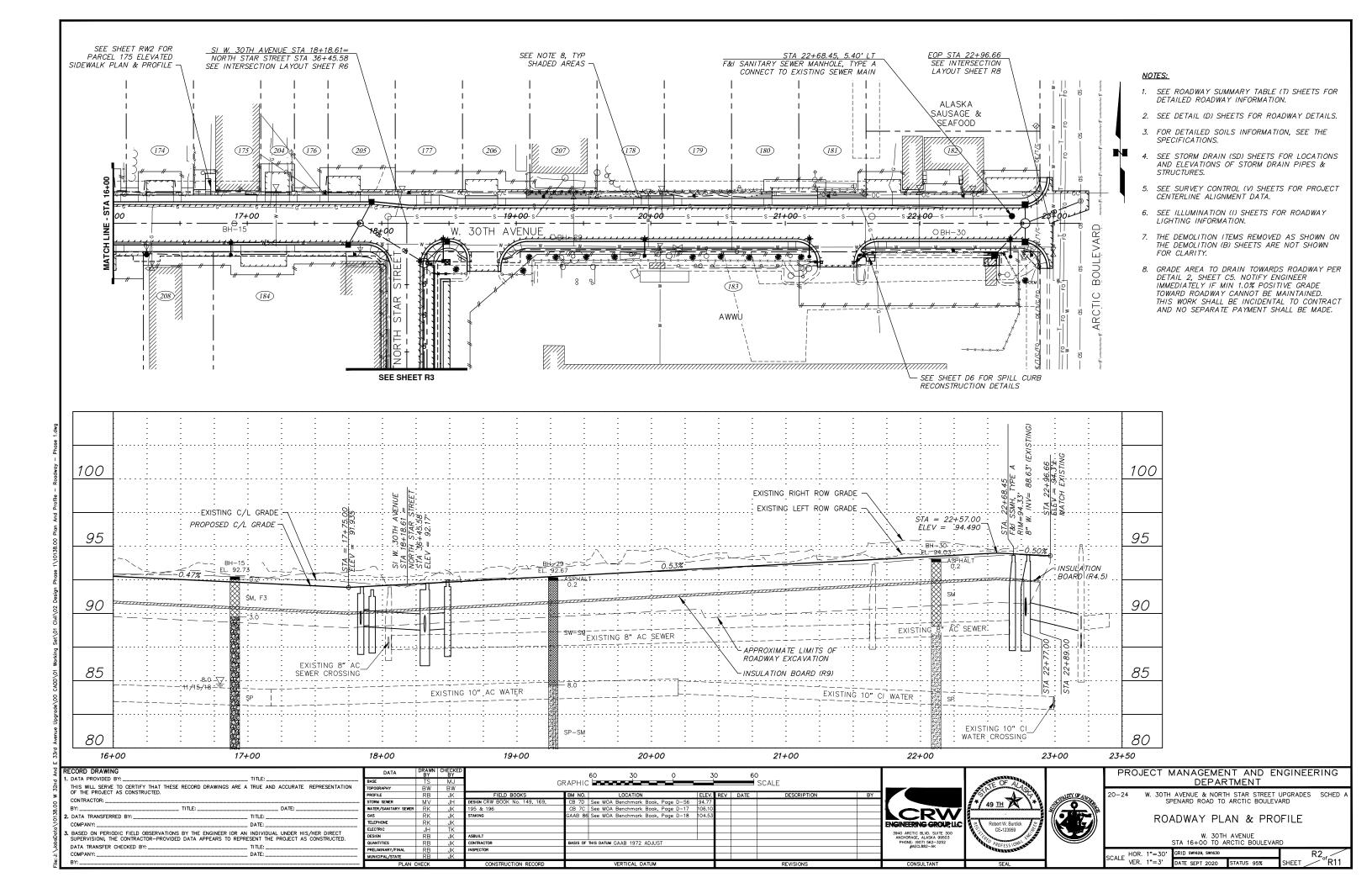
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT W. 30TH AVENUE & NORTH STAR STREET UPGRADES SCHED SPENARD ROAD TO ARCTIC BOULEVARD

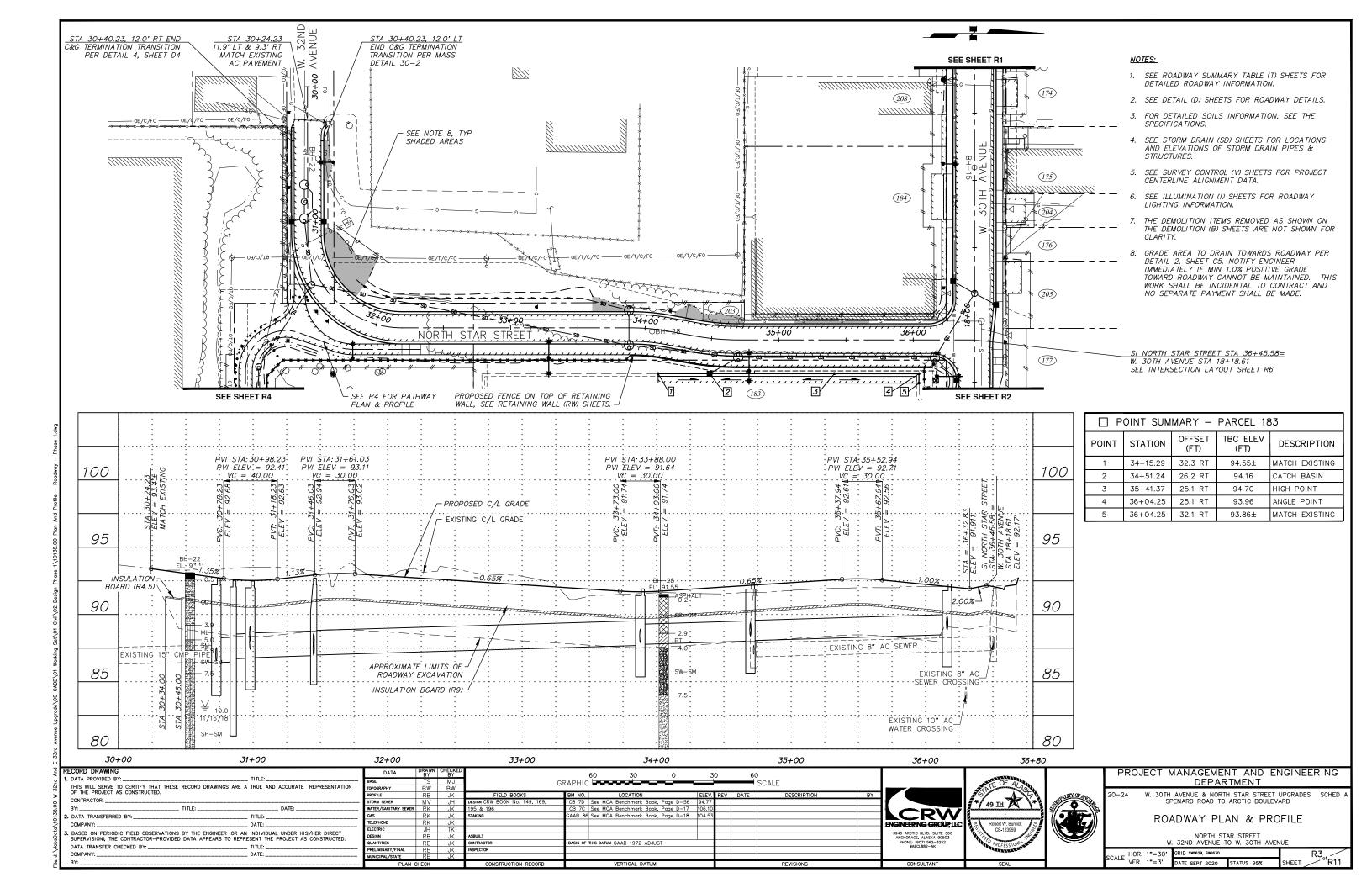
TYPICAL SECTIONS

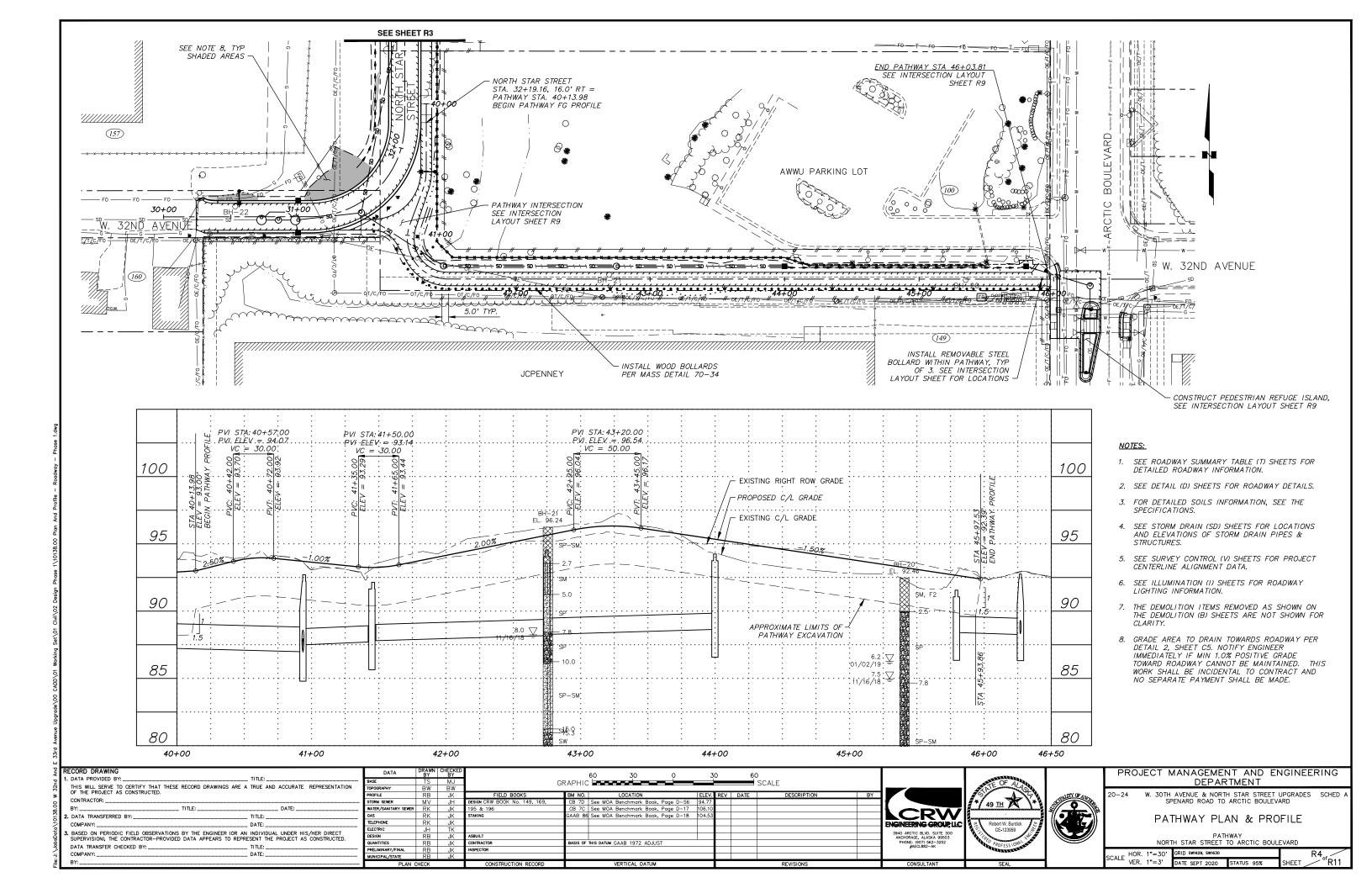
DRIVEWAYS & MISC DETAILS

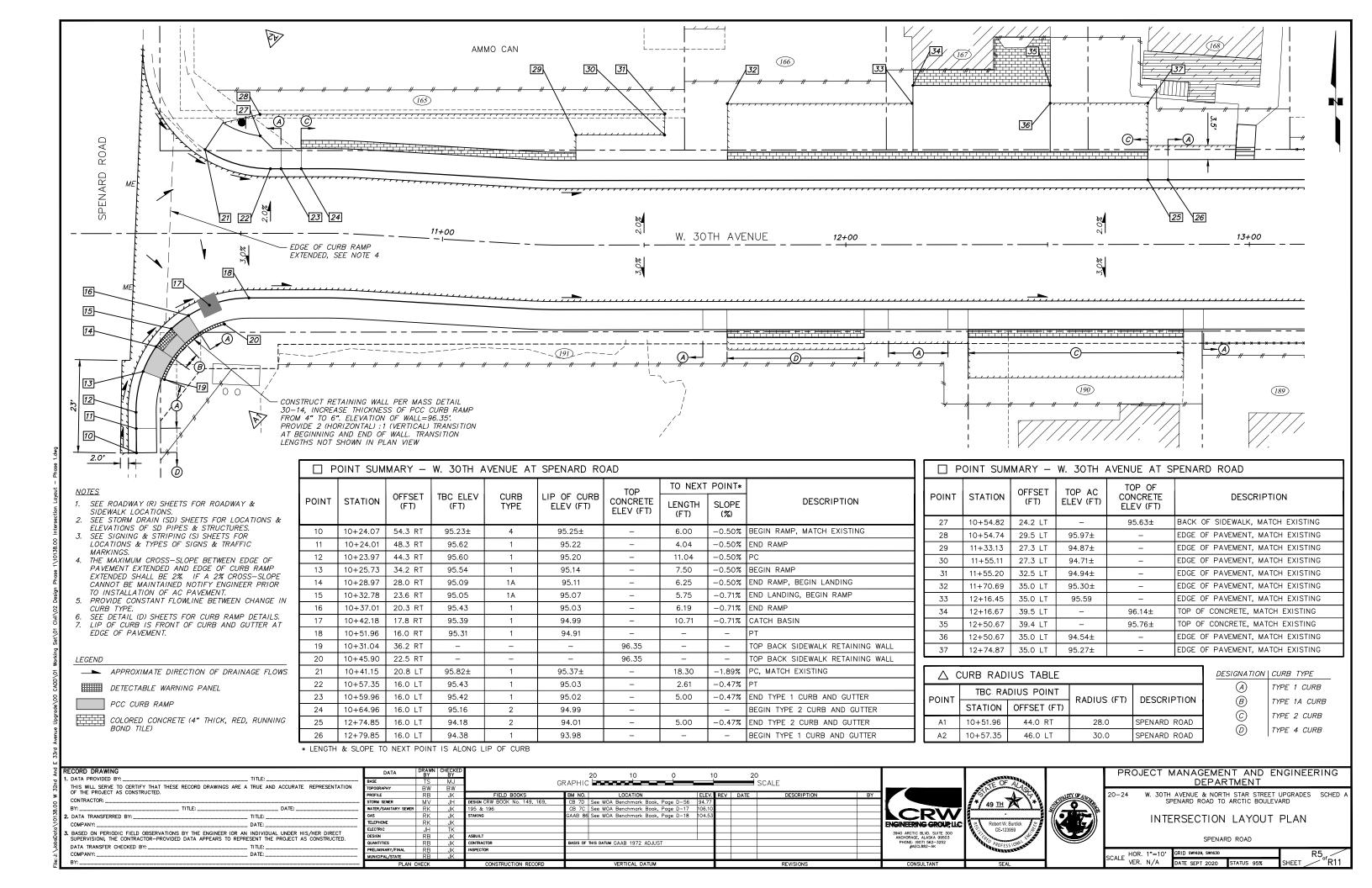
GRID SW1629, SW1630 CALE HOR. N/A ATE SEPT 2020

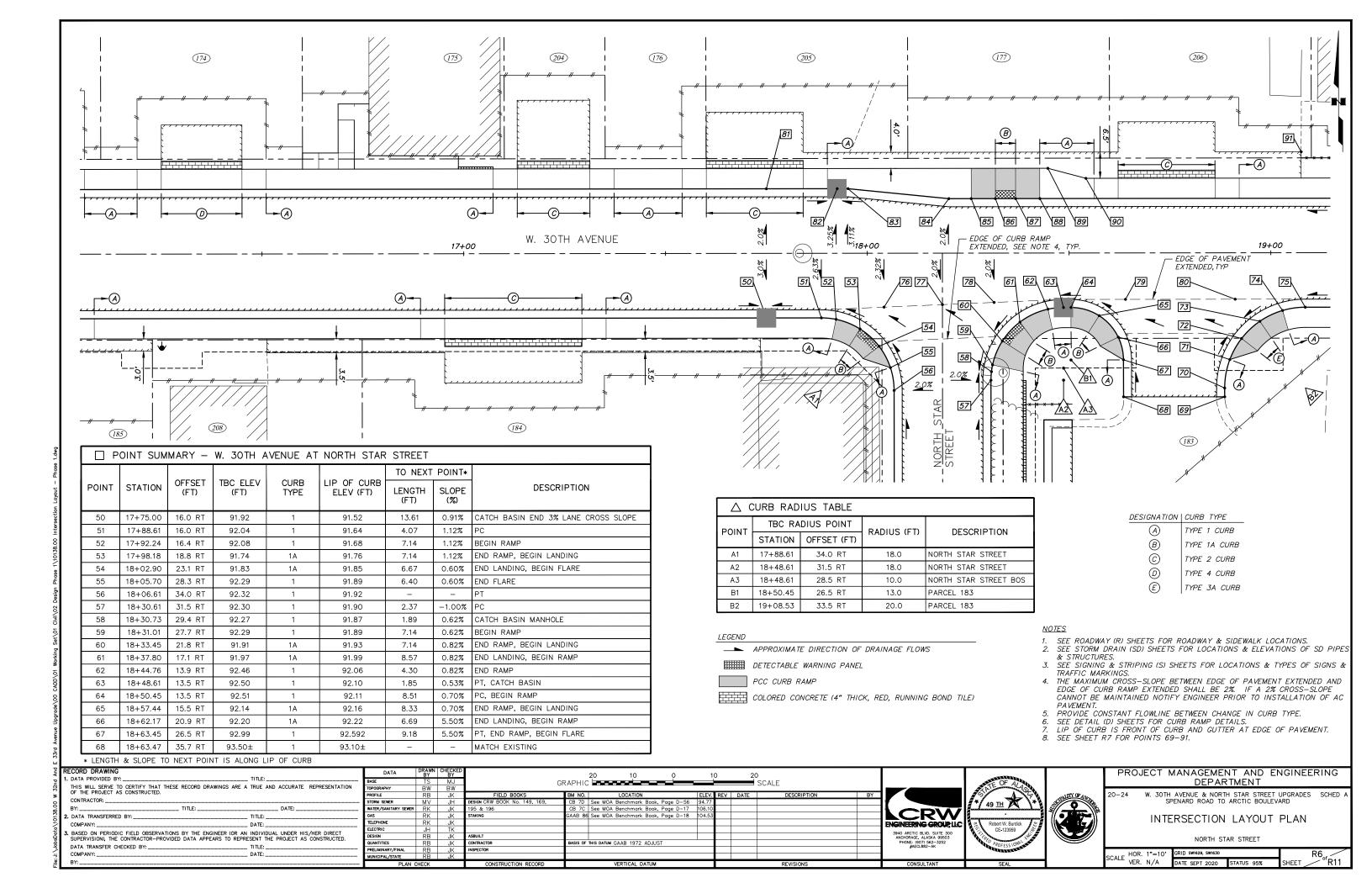












							TOP	TO NEXT	POINT*	
POINT	STATION	OFFSET (FT)	TBC ELEV (FT)	CURB TYPE	LIP OF CURB ELEV (FT)	TOP AC ELEV (FT)	CONCRETE ELEV (FT)	LENGTH (FT)	SLOPE (%)	DESCRIPTION
69	18+88.53	35.7 RT	93.44±	1	93.04±	_	-	2.17	-4.00%	MATCH EXISTING
70	18+88.53	33.5 RT	93.35	1	92.95	_	-	7.93	-4.00%	PC
71	18+89.81	26.4 RT	93.04	1	92.64	-	-	6.60	-3.35%	BEGIN FLARE
72	18+92.73	21.2 RT	92.50	3A	92.42	-	-	6.88	-1.00%	END FLARE, BEGIN LANDING
73	18+97.27	17.0 RT	92.43	3A	92.35	-	-	6.88	0.50%	END LANDING, BEGIN RAMP
74	19+02.90	14.3 RT	92.78	1	92.38	-	-	6.27	0.50%	END RAMP
75	19+08.53	13.5 RT	92.81	1	92.41	-	-	-	_	PT
76	18+04.14	13.4 RT	-		-	91.78	-	-	-	EDGE OF PAVEMENT EXTENDED
77	18+18.61	12.8 RT	-	-	_	91.91	_	_	_	EDGE OF PAVEMENT EXTENDED, CL NORTH STAR STREET, BEGIN 2% LANE CROSS SLOPE
78	18+31.42	12.2 RT	_	-	_	91.99	_	_	_	EDGE OF PAVEMENT EXTENDED
79	18+63.97	11.5 RT	_	_	_	92.18	_	_	-	EDGE OF PAVEMENT EXTENDED
80	18+91.16	11.5 RT	_	_	_	92.32	_	_	-	EDGE OF PAVEMENT EXTENDED
81	17+75.00	16.0 LT	92.06	1	91.66	1	_	17.57	-0.47%	END 2% LANE CROSS SLOPE
82	17+92.56	16.0 LT	91.97	1	91.57	1	_	2.56	1.34%	CATCH BASIN
83	17+95.23	16.0 LT	92.01	1	91.61	1	_	25.13	1.34%	NECKDOWN ANGLE POINT
84	18+20.23	13.5 LT	92.34	1	91.94	-	_	5.64	0.52%	NECKDOWN ANGLE POINT, BEGIN 2% LANE CROSS SLOPE
85	18+25.77	13.5 LT	92.37	1	91.97	-	-	6.00	0.53%	BEGIN RAMP
86	18+31.77	13.5 LT	91.99	1A	92.01	-	-	5.00	0.53%	END RAMP, BEGIN LANDING
87	18+36.77	13.5 LT	92.01	1A	92.03	-	-	6.00	0.53%	END LANDING, BEGIN RAMP
88	18+42.77	13.5 LT	92.46	1	92.06	_	_	_	_	END RAMP
89	18+44.77	21.0 LT	-	-	_	-	92.59	_	_	BOS, BEGIN TRANSITION TO 5' SIDEWALK
90	18+54.19	18.5 LT	-	_	-	_	92.60	-	-	BOS, BEGIN 5' SIDEWALK
91	19+07.54	25.0 LT	-	_	_	93.71±	_	_	_	EDGE OF PAVEMENT, MATCH EXISTING

ECORD DRAWING				
DATA PROVIDED BY:		TITLE:		BAS
THIS WILL SERVE TO CERTIFY THAT OF THE PROJECT AS CONSTRUCTED.	THESE RECORD DRAWING	S ARE A TRUE AND ACCURA	TE REPRESENTATION	TOP
				PRO
CONTRACTOR:				STO
BY:	TITLE:	DATE: _		WAT
DATA TRANSFERRED BY:		TITLE:		GAS
COMPANY:		DATE:		TEL
BASED ON PERIODIC FIELD OBSERV				ELE
SUPERVISION). THE CONTRACTOR-PE				DES
				QUA
DATA TRANSFER CHECKED BY:				PRE
COMPANY:		DATE:		MUI
DV:				_

DATA	DRAWN BY	CHECKED BY								
BASE	TS	MJ								i
TOPOGRAPHY	BW	BW								
PROFILE	RB	JK	FIELD BOOKS	D. LOCATION E	ELEV.	REV	DATE	DESCRIPTION	BY	
STORM SEWER	MV	JH	DESIGN CRW BOOK No. 149, 169,	See MOA Benchmark Book, Page D-56	94.77					*
WATER/SANITARY SEWER	RK	JK	195 & 196		06.10					1
GAS	RK	JK	STAKING	86 See MOA Benchmark Book, Page D-18	04.53					
TELEPHONE	RK	JK								ENGIN
ELECTRIC	JH	TK								3940
DESIGN	RB	JK	ASBUILT							3940 ANC
QUANTITIES	RB	JK	CONTRACTOR	OF THIS DATUM GAAB 1972 ADJUST						PI
PRELIMINARY/FINAL	RB	JK	INSPECTOR							i
MUNICIPAL/STATE	RB	JK								
PLAN CHECK		, in the second	CONSTRUCTION RECORD	VERTICAL DATUM			·	REVISIONS		

ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 999.03
PHONE 1007 1562-2522
PACCL 852-AX



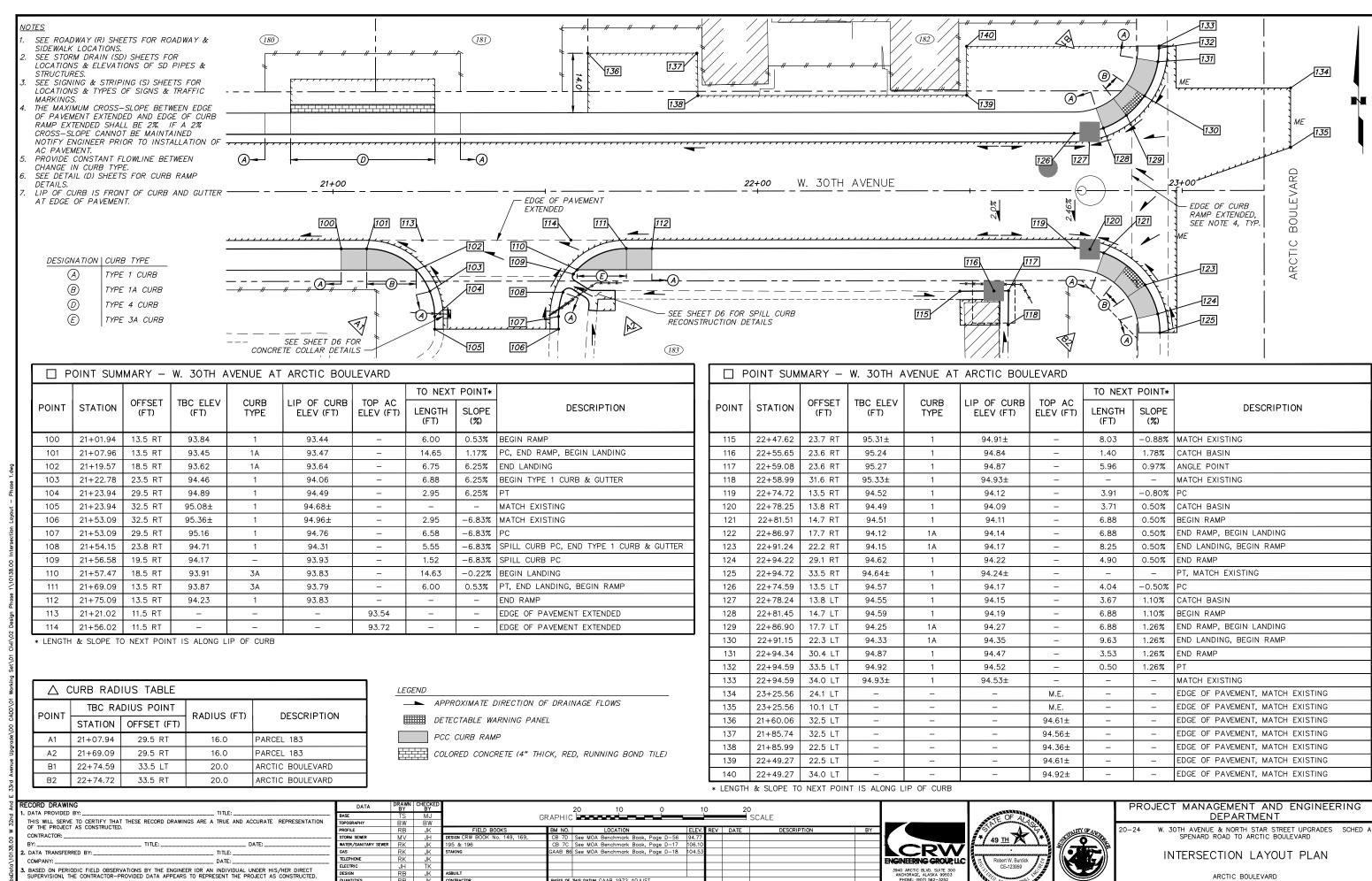
PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SCHED A SPENARD ROAD TO ARCTIC BOULEVARD

INTERSECTION LAYOUT TABLE

SCALE HOR. N/A GRID SW1629, SW1630 R7

DATE SEPT 2020 STATUS 95% SHEET R11



CONTRACTOR

DATA TRANSFER CHECKED BY: \_\_\_\_

DATE:

COMPANY:

ASIS OF THIS DATUM GAAB 1972 ADJUST

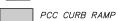
ARCTIC BOULEVARD GRID SW1629, SW1630 HOR. 1"=10' DATE SEPT 2020

LENO	T11 0	CLODE	Τ0	NICVE	DOINT		41.0410	1.10	$^{\circ}$	OLIDD
* LENG	ın «c	SLUPE	10	NEXI	PUINT	15	ALUNG	LIP	UF	COKB

Δ	△ CURB RADIUS TABLE								
POINT	TBC RA	DIUS POINT	RADIUS (FT)	DESCRIPTION					
	STATION	OFFSET (FT)		DESCRIPTION					
A1	40+64.07	40.0 RT	36.0	PATHWAY					
A2	41+10.14	27.8 RT	21.0	PATHWAY					

- 1. SEE ROADWAY (R) SHEETS FOR ROADWAY & SIDEWALK LOCATIONS.
- 2. SEE STORM DRAIN (SD) SHEETS FOR LOCATIONS & ELEVATIONS OF SD PIPES & STRUCTURES.
- SEE SIGNING & STRIPING (S) SHEETS FOR LOCATIONS & TYPES OF SIGNS & TRAFFIC MARKINGS.
- PROVIDE CONSTANT FLOWLINE BETWEEN CHANGE IN CURB
- SEE DETAIL (D) SHEETS FOR CURB RAMP DETAILS. LIP OF CURB IS FRONT OF CURB AND GUTTER AT EDGE OF PAVEMENT.
- STAKE BOLLARD LAYOUT IN FIELD FOR ENGINEER REVIEW AND APPROVAL PRIOR TO INSTALLATION. THIS WORK SHALL BE INCIDENTAL TO SECTION 70.13 PAY ITEM.

APPROXIMATE DIRECTION OF DRAINAGE FLOWS



DETECTABLE WARNING PANEL



WOOD BOLLARD PER MASS DETAIL 70-34

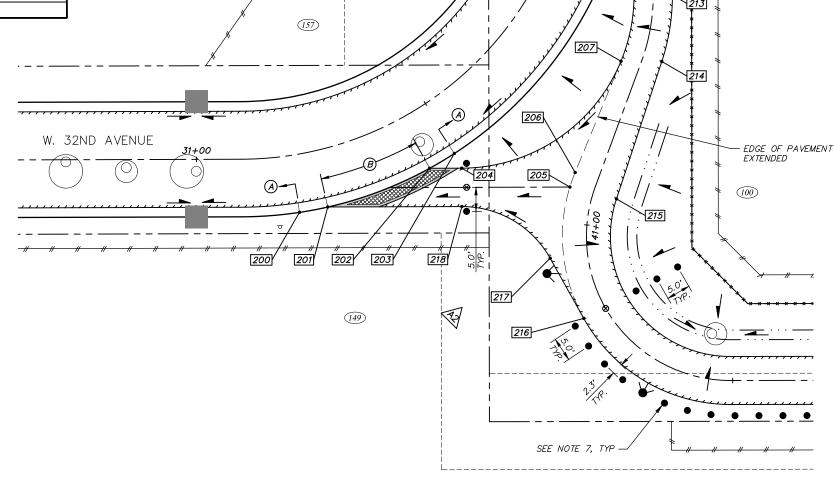
STEEL REMOVABLE BOLLARD PER MASS DETAIL 70-37

#### DESIGNATION | CURB TYPE

(A) TYPE 1 CURB

 $\bigcirc B$ 

TYPE 1A CURB



FRING CROUP I I

RECORD DRA					Т
1. DATA PROVID	ED BY:		TITLE:		ь
THIS WILL SE	RVE TO CERTIFY THAT THESE			ACCURATE REPRESENTATION	TO
	ECT AS CONSTRUCTED.				Р
CONTRACTOR:					s
				DATE:	٧
2. DATA TRANS	FERRED BY:		TITLE:		G
COMPANY:			DATE:		1
3 RASED ON P	ERIODIC FIELD OBSERVATIONS	BY THE ENGINEER (C	R AN INDIVIDUAL	LINDER HIS /HER DIRECT	
SUPERVISION	THE CONTRACTOR-PROVIDE	DATA APPEARS TO	REPRESENT THE F	PROJECT AS CONSTRUCTED.	D
DATA TRANSF	ER CHECKED BY:		TITLE:		9

DATA	DRAWN BY	CHECKED BY			20	10	0		10	)	20			
ASE	TS	MJ	G	RAPHIO					_			SCALE		
POGRAPHY	BW	BW	9	11711 1111								JONEL		
ROFILE	RB	JK	FIELD BOOKS	BM NO.		LOCATION		E	LEV.	REV	DATE	DESCRIPTION	ON BY	
TORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA	Benchmark	Book, Page D-	-56 9	4.77					1₩
ATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA	Benchmark	Book, Page D-	-17 10	06.10					14.
AS	RK	JK	STAKING	GAAB 8	See MOA	Benchmark	Book, Page D-	-18 10	04.53					
ELEPHONE	RK	JK												ENGI
LECTRIC	JH	TK												
ESIGN	RB	JK	ASBUILT											3940 AN
UANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM	GAAB 1972 .	ADJUST							Р
RELIMINARY/FINAL	RB	JK	INSPECTOR											1
UNICIPAL/STATE	RB	JK												
DI ANI (	PHECK		CONSTRUCTION RECORD			VEDTICAL DA	THM					DEVICIONS		



TREET

Ś

AR ST

NORTH

A

211

209

DEPARTMENT W. 30TH AVENUE & NORTH STAR STREET UPGRADES SCHED SPENARD ROAD TO ARCTIC BOULEVARD

## INTERSECTION LAYOUT PLAN

PROJECT MANAGEMENT AND ENGINEERING

PATHWAY AT NORTH STAR STREET

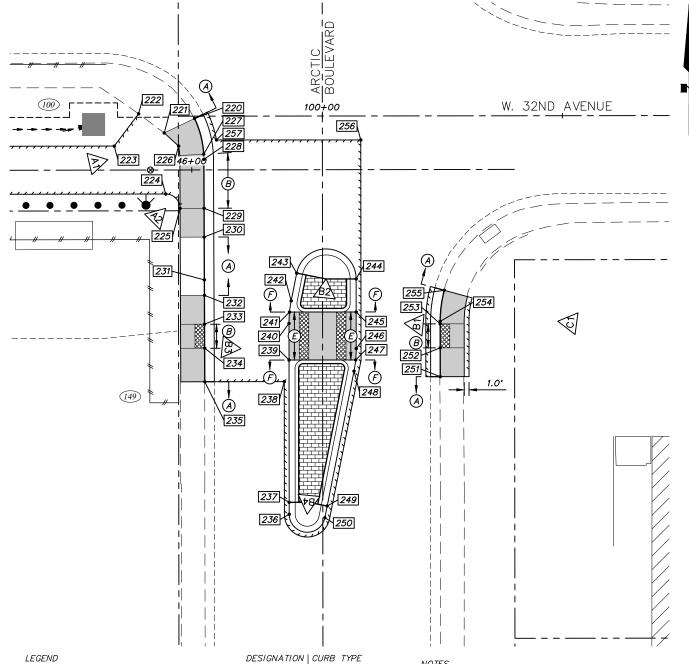
GRID SW1629, SW1630 HOR. 1"=10' VER. N/A

R9<sub>of</sub>R11 DATE SEPT 2020 STATUS 95%

* LENGTH	a. CLODE	TO NI	TVT DOIL	1	AL ONO	<u> </u>	۲	CLIDD	

RECORD DRA

$\triangle$	△ CURB RADIUS TABLE										
POINT	TBC RA	DIUS POINT	RADIUS (FT)	DESCRIPTION							
FOINT	STATION	OFFSET (FT)	KADIOS (FI)	DESCRIPTION							
A1	45+82.52	2.2 LT	20.0	CURB RETURN							
A2	45+94.55	8.0 RT	3.0	PATHWAY							
B1	46+44.20	32.0 RT	24.0	REFUGE ISLAND NOSE (LOC)							
B2	46+27.95	22.8 RT	6.3	REFUGE ISLAND NOSE (LOC)							
В3	46+10.19	37.3 RT	24.0	REFUGE ISLAND (LOC)							
B4	46+23.92	71.8 RT	3.8	REFUGE ISLAND (LOC)							
C1	100+48.99	42.8 RT	24.5	CURB RETURN							



LLGLIVD				
	DETECTABLE	WARNING	PANEL	

PCC CURB RAMP

COLORED CONCRETE (4" THICK, RED, RUNNING BOND TILE) (A)TYPE 1 CURB (B)TYPE 1A CURB (E) TYPE 3A CURB

TYPE 6 CURB

 $\mathcal{F}$ 

1. 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 & TYPFS OF SIGNS & TRAFFIC MARKINGS.

PROVIDE CONSTANT FLOWLINE BETWEEN CHANGE IN CURB

SEE DETAIL (D) SHEETS FOR CURB RAMP DETAILS. LIP OF CURB IS FRONT OF CURB AND GUTTER AT EDGE OF PAVEMENT.

	CORD DRAWING		
1.	DATA PROVIDED BY:	TITLE:	BASE
			DAJE
	THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS AN OF THE PROJECT AS CONSTRUCTED.	RE A TRUE AND ACCURATE REPRESENTATION	TOPOG
			PROFI
	CONTRACTOR:		STORM
	BY: TITLE:	DATE:	WATER
2.	DATA TRANSFERRED BY:	TITLE:	GAS
	COMPANY:	DATF:	TELEP
			ELEC1
	BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OF SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO F		DESIG
			QUAN
	DATA TRANSFER CHECKED BY:	TITLE:	- PRELI
	COMPANY:	DATE:	
			MUNIC
	BY:		

	004444	OUEOUED										
DATA	BY	CHECKED			20 10	0	1	0	20			ı
BASE	TS	MJ	G	RAPHIC						SCALE		1
TOPOGRAPHY	BW	BW	0	., ., ., .,						30,122		
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION		ELEV.	REV	DATE	DESCRIPTION	BY	
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Bo	ook, Page D-56	94.77					#
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Bo	ook, Page D-17	106.10					I A
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Bo	ook, Page D-18	104.53					
TELEPHONE	RK	JK										ENG
ELECTRIC	JH	TK										
DESIGN	RB	JK	ASBUILT									39
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 AD	JUST						1
PRELIMINARY/FINAL	RB	JK	INSPECTOR									1
MUNICIPAL/STATE	RB	JK										
DI ANI C	PLECK		CONSTRUCTION PECOPO		VEDTICAL DATE	IM.			•	DEVICIONS		





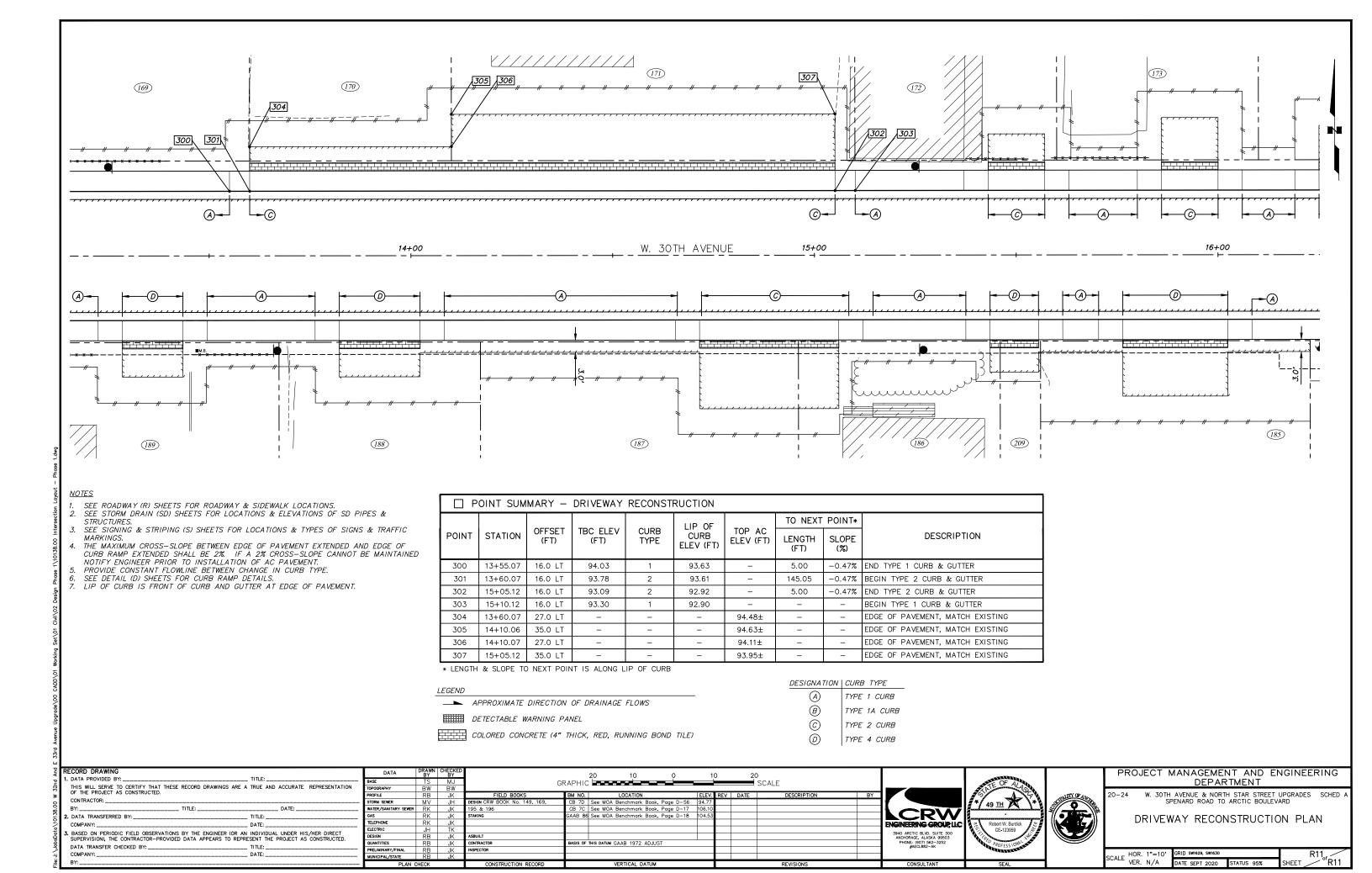


W. 30TH AVENUE & NORTH STAR STREET UPGRADES SCHED SPENARD ROAD TO ARCTIC BOULEVARD

#### INTERSECTION LAYOUT PLAN

PATHWAY AT ARCTIC BOULEVARD

GRID SW1629, SW1630 HOR. 1"=10' R10 VER. N/A DATE SEPT 2020 STATUS 95%



#### RECONSTRUCT DRIVEWAY

SHEET	PARCEL		ERLINE ERENCE	DRIVEWAY WIDTH AT CURB OR EDGE OF	CURB CUT TYPE	CURB RETURN RADII (FT)	SKEW ANGLE	LANDING LENGTH (FT)	LANDING GRADE	TOTAL DISTANCE	EXISTING GRADE	PROPOSED GRADE	SURFACE TYPE ON PROPERTY	L1 (FT)	L2 (FT)	CONSTRUCT PER DETAIL	REMARKS
		STATION	OFFSET	PAVEMENT (FT)	COLLIFE	RADII (FI)	(DEGREES)	LENGIN (FI)	GRADE	(FT)	GRADE	GRADE	PROPERTY			DETAIL	
R1	165	11+04.02	LT	VARIES	2	N/A	-90	5.0	1.5%	VARIES	4.4%	3.9%	ASPHALT	6.0	-	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R5
R1	191	11+87.53	RT	34	4	N/A	90	5.0	1.5%	10.0	3.6%	2.0%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R5
R1	166	11+90.37	LT	39.4	2	N/A	-90	5.0	1.5%	19.0	5.8%	3.3%	ASPHALT	-	-	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R5
R1	167	12+32.63	LT	50	2	N/A	-90	5.0	1.5%	23.4	7.9%	9.5%	ASPHALT/CONCRETE	-	-	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R5 & SHEET RW5
R1	190	12+56.97	RT	53.4	2	N/A	90	5.0	1.5%	17.0	3.3%	1.8%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R5
R1	168	12+67.46	LT	14.8	2	N/A	-90	5.0	1.5%	19.0	6.4%	3.7%	ASPHALT	-	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R5
R1	170	13+85.52	LT	50	2	N/A	-90	5.0	1.5%	11.0	6.8%	7.5%	ASPHALT	6.0	-	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	189	13+35.98	RT	15	4	N/A	90	5.0	2.0%	14.0	8.4%	7.2%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	188	13+92.25	RT	20	4	N/A	90	5.0	2.0%	14.0	3.2%	5.2%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	171	14+57.59	LT	95	2	N/A	-90	5.0	2.0%	19.0	8.0%	9.9%	ASPHALT	-	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	187	14+90.26	RT	34.5	2	N/A	90	8.0	1.5%	22.0	0.5%	4.5%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	186/209	15+48.96	RT	12	4	N/A	90	5.0	1.5%	13.0	3.7%	7.4%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	172	15+51.52	LT	14	2	N/A	-90	5.0	2.0%	14.0	10.9%	10.2%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	185	15+89.41	RT	26	4	N/A	90	12.0	2.0%	19.0	1.8%	6.0%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R1	173	15+93.05	LT	14	2	N/A	-90	5.0	2.0%	18.0	7.4%	9.6%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE DRIVEWAY RECONSTRUCTION PLAN SHEET R11
R2	174	16+35.07	LT	20	4	N/A	-90	5.0	1.5%	16.0	1.8%	6.7%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R6
R2	184	17+12.25	LT	34	2	N/A	90	5.0	2.0%	16.0	2.9%	7.5%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R6
R2	204	17+23.78	LT	18	2	N/A	-90	5.0	2.0%	22.0	9.3%	9.6%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R6
R2	205	17+72.13	LT	24	2	N/A	-90	5.0	2.0%	19.0	6.0%	8.1%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R6
R2	206	18+74.19	LT	24	4	N/A	-90	5.0	2.0%	19.0	12.1%	11.8%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R6
R2	183 WEST	18+76.00	RT	21	N/A	13 WEST /20 EAST	90	8.5	1.0%	24.2	3.2%	4.5%	ASPHALT	6.0	6.0	DETAIL 1, SHEET D3	SEE INTERSECTION LAYOUT SHEET R6
R2	178/179	20+05.04	LT	24	4	N/A	90	N/A	N/A	N/A	-	-	-	-	-		CURB CUT ONLY - FUTURE DEVELOPMENT
R2	180	21+07.04	LT	34	4	N/A	-90	5.0	1.5%	13.0	5.2%	7.0%	ASPHALT	6.0	6.0	DETAIL 2, SHEET D3	SEE INTERSECTION LAYOUT SHEET R8
R2	183 EAST	21+38.44	RT	25.2	N/A	16	90	5.5	1.8%	21.0	6.5%	6.8%	ASPHALT	6.0	6.0	DETAIL 1, SHEET D3	SEE INTERSECTION LAYOUT SHEET R8

RECONSTRUCT DRIVEWAY NOTES:

1. "LANDING LENGTH" BEGINS AT THE BACK OF CURB & GUTTER.
2. "LANDING GRADE" IS THE GRADE OF THE LANDING FROM THE BACK OF CURB & GUTTER TO THE END OF LANDING.
3. "SKEW ANGLE" ("+" IS CLOCKWISE AND "-" IS COUNTER CLOCKWISE) IS MEASURED FROM PROJECT CENTERLINE WITH O DEGREES ALIGNED ALONG INCREASING STATIONS.
4. "TOTAL DISTANCE" IS THE LIMIT OF RECONSTRUCTION BEGINNING AT THE BACK OF CURB & GUTTER.
5. "PROPOSED GRADE" IS APPROXIMATE GRADE FROM THE END OF THE LANDING TO THE LIMIT OF RECONSTRUCTION. ACTUAL CONSTRUCTION GRADE MAY VARY.

30.02

P.C.C.	P.C.C. CURB AND GUTTER (TYPE 1, STEEL CURB FACING)										
SHEET	BEGIN STATION	OFFSET (FT)	END STATION	OFFSET (FT)	LENGTH (FT)	REMARKS					
R1	17+95.08	16.00 LT	18+20.08	13.50 LT	25						

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

1. SEE DETAIL 2, SHEET D4 FOR STEEL CURB FACING DETAIL.

30.02

P.C.C. (	CURB AND GUTTER (AL	L TYPES)		
SHEET	STATION TO STATION	OFFSET (FT)	LENGTH (FT)	REMARKS
R1	10+41 TO 16+00	LT	560	
R1	10+24 TO 16+00	RT	602	
R2	16+00 TO 22+95	LT	707	
R2	16+00 TO 22+95	RT	741	INCLUDES DRIVEWAYS & PARCEL 183 IMPROVMENTS
R3	30+30 TO 36+12	LT	563	
R3	30+30 TO 36+12	RT	600	
R3	34+15 TO 36+02	RT	197	AWWU PARKING LOT
R4	46+01	10.8 LT TO 44.1 RT	55	ARCTIC BOULEVARD SIDEWALK RECONSTRUCTION
R4	VARIES	RT	89	PEDESTRIAN REFUGE ISLAND
R4	46+52	25.2 RT TO 43.2 RT	17	ARCTIC BOULEVARD SIDEWALK RECONSTRUCTION

#### PCC CURB & GUTTER (ALL TYPES) NOTES:

- 1. SEE INTERSECTION LAYOUT SHEETS AND DRIVEWAY RECONSTRUCTION SHEETS R5-R11 FOR LOCATIONS AND TYPES OF CURB AND GUTTER.
- 2. SEE 20.28 RECONSTRUCT DRIVEWAY TABLE FOR LOCATIONS OF DRIVEWAY CURB CUTS.

RECORD DRAWING		
1. DATA PROVIDED BY:	_ TITLE:	BASE
THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A OF THE PROJECT AS CONSTRUCTED.	A TRUE AND ACCURATE REPRESENTATION	TOPOGE
		PROFIL
CONTRACTOR:		STORM
BY: TITLE:	DATE:	WATER,
2. DATA TRANSFERRED BY:	_ TITLE:	GAS
COMPANY:	DATE:	TELEPH
3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AF		ELECTR
SUPERVISION). THE CONTRACTOR—PROVIDED DATA APPEARS TO REPR		DESIGN
		QUANT
DATA TRANSFER CHECKED BY:		PRELIM
COMPANY:	_ DATE:	MUNICI
DV.		

DATA	DRAWN BY	CHECKED									
BASE	TS	MJ									
TOPOGRAPHY	BW	BW									
PROFILE	RB	JK	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY	
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D	See MOA Benchmark Book, Page D-56	94.77					*
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C	See MOA Benchmark Book, Page D-17	106.10					1
GAS	RK	JK	STAKING	GAAB 86	See MOA Benchmark Book, Page D-18	104.53					
TELEPHONE	RK	JK									ΙĒΝ
ELECTRIC	JH	TK									
DESIGN	RB	JK	ASBUILT								
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF	THIS DATUM GAAB 1972 ADJUST						
PRELIMINARY/FINAL	RB	JK	INSPECTOR								
MUNICIPAL/STATE	RB	JK									Ш
PLAN (	CHECK		CONSTRUCTION RECORD		VERTICAL DATUM				REVISIONS		







ROADWAY SUMMARY TABLES

	HOR.	N/A	GRID SW1629, SW1630		
ALE	VER.	N/A	DATE SEPT 2020	STATUS 95%	SHEET

30.03

P.C.C. S	SIDEWALK						
SHEET	APPX BEGIN STA	APPX OFFSET (FT)	ADDY FND STA	ADDY OFFSET (FT)	4" THICK, AREA (SY)	6" THICK AREA (SY)	REMARKS
SHEET	ALLY DEGIN STA	ALLY OLLSEL (LI)	ALLY END STA	ALLY OLLSEL (LI)	+ IIIIGN, ANEA (31)	o inicit, AILA (31)	NEWANNS
R1	10+24.1	54.3 RT	10+25.7	34.2 RT	11		
R1	10+41.1	20.7 LT	10+60.0	16.0 LT	14		
R1	10+44.4	17.1 RT	11+64.5	16.0 RT	66		
R1	10+60.0	16.0 LT	12+79.9	16.0 LT		122	PARCEL 165-167 DRIVEWAY
R1	11+64.5	16.0 RT	12+10.5	16.0 RT		26	PARCEL 191 DRIVEWAY
R1	12+10.5	16.0 RT	12+25.3	16.0 RT	8		
R1	12+25.3	16.0 RT	12+88.7	16.0 RT		35	PARCEL 190 DRIVEWAY
R1	12+79.9	16.0 LT	13+55.1	16.0 LT	42		
R1	12+88.7	16.0 RT	13+22.5	16.0 RT	19		
R1	12+96.7	24.0 LT	13+01.4	24.0 LT	3		PARCEL 168 WALKWAY
R1	13+22.5	16.0 RT	13+49.5	16.0 RT	45	15	PARCEL 189 DRIVEWAY
R1	13+49.5	16.0 RT	13+76.3	16.0 RT	15	0.0	DAROEL 470 0 474 DRIVEWAY
R1	13+55.1	16.0 LT	15+10.1	16.0 LT		86	PARCEL 170 & 171 DRIVEWAY  PARCEL 188 DRIVEWAY
R1	13+76.3 14+08.3	16.0 RT 16.0 RT	14+08.3	16.0 RT 16.0 RT	32	18	PARCEL 188 DRIVEWAY
R1	14+08.3	16.0 RT	14+65.5 15+12.0	16.0 RT	32	26	DAROCE 187 DRIVEWAY
R1		16.0 KT	-	16.0 KT	15	20	PARCEL 187 DRIVEWAY
R1 R1	15+10.1 15+12.0	16.0 ET	15+37.1 15+37.5	16.0 ET	15 14		
R1	15+37.1	16.0 LT	15+63.1	16.0 LT	14	14	PARCEL 172 DRIVEWAY
R1	15+37.5	16.0 RT	15+61.5	16.0 RT		13	PARCEL 186/209 DRIVEWAY
R1	15+61.5	16.0 RT	15+70.4	16.0 RT	5	15	TARGEE 1007 203 BRIVEWAT
R1	15+63.1	16.0 LT	15+80.1	16.0 LT	9		
R1/R2	15+70.4	16.0 RT	16+08.4	16.0 RT	3	21	PARCEL 185 DRIVEWAY
R1/R2	15+80.1	16.0 LT	16+06.1	16.0 LT		14	PARCEL 173 DRIVEWAY
1117112	10100.1	10.0 E1	10100.1	10.0 E1		17	TARGEE 173 BRIVEWAT
R2	16+06.1	16.0 LT	16+19.1	16.0 LT	7		
R2	16+08.4	16.0 RT	16+89.3	16.0 RT	45		
R2	16+19.1	16.0 LT	16+51.1	16.0 LT		18	PARCEL 174 DRIVEWAY
R2	16+51.1	16.0 LT	16+60.1	16.0 LT	5		
R2	16+68.9	25.0 LT	16+68.9	37.1 LT	5		PARCEL 175 LANDING/RAMP
R2	16+89.3	16.0 RT	17+35.3	16.0 RT		26	PARCEL 184 DRIVEWAY
R2	17+07.3	16.0 LT	17+37.3	16.0 LT		17	PARCEL 204 DRIVEWAY
R2	17+35.3	16.0 RT	17+92.2	16.4 RT	31		
R2	17+37.3	16.0 LT	17+54.1	16.0 LT	9		
R2	17+54.1	16.0 LT	17+90.1	16.0 LT		20	PARCEL 205 DRIVEWAY
R2	17+90.1	16.0 LT	18+25.8	13.5 LT	25		
R2	18+42.8	13.5 LT	18+56.2	13.5 LT	9		
R2	18+44.8	13.9 RT	18+50.5	13.5 RT	3		
R2	18+56.2	13.5 LT	18+92.2	13.5 LT		20	PARCEL 206 DRIVEWAY
R2	18+92.2	13.5 LT	19+87.0	13.5 LT	53		
R2	19+02.9	14.3 RT	21+01.9	13.5 RT	110		
R2	19+87.0	13.5 LT	20+23.0	13.5 LT		20	PARCEL 178/179 DRIVEWAY
R2	20+23.0	13.5 LT	20+84.0	13.5 LT	34		
R2	20+84.0	13.5 LT	21+30.0	13.5 LT		26	PARCEL 180 DRIVEWAY
R2	21+25.9	27.9 RT	21+27.7	27.9 RT		1	GATE POST CONCRETE COLLAR
R2	21+30.0	13.5 LT	22+81.5	14.7 LT	84		
R2	21+49.8	28.2 RT	21+51.1	28.2 RT		1	GATE POST CONCRETE COLLAR
R2	21+75.1	13.5 RT	22+81.5	14.7 RT	59		
R2	22+81.5	29.1 RT	22+94.7	33.5 RT	2		
R2	22+94.3	30.4 LT	22+94.6	34.0 LT	2		
R10	46+02.6	14.0 RT	46+02.6	26.1 RT	7		

30.04

P.C.C.	CURB RAM	P (6" TH	HCK) & DETEC	CTABLE WARNINGS		
SHEET	APPX	OFFSET	CURB RAMP	DETECTABLE	CURB RAMP	REMARKS
	STATION	(FT)	AREA (SY)	WARNING AREA (SF)	TYPE	
R1	10+31	25.7 RT	SEE NOTE 2	11	PARALLEL	SPENARD ROAD
R2	18+01	20.6 RT	8	12	PARALLEL	NORTH STAR STREET
R2	18+34	13.5 LT	14	10	PARALLEL	W 30TH AVENUE
R2	18+36	18.8 RT	12	12	PARALLEL	NORTH STAR STREET
R2	18+60	17.7 RT	8	0	PARALLEL	PARCEL 183 WEST
R2	18+94	19.4 RT	8	0	PARALLEL	PARCEL 183 WEST
R2	21+14	14.8 RT	8	0	UNIDIRECTIONAL	PARCEL 183 EAST
R2	21+63	14.8 RT	8	0	UNIDIRECTIONAL	PARCEL 183 EAST
R2	22+89	20.0 LT	10	12	PARALLEL	ARCTIC BOULEVARD
R2	22+89	20.0 RT	10	12	PARALLEL	ARCTIC BOULEVARD
R3	31+38	12.0 RT	N/A	35	PARALLEL	PATHWAY CONNECTOR
R3	32+29	12.0 RT	18	0	PARALLEL	BIKE EXIT RAMP
			0			
R10	46+03	3.0 RT	14	0	PARALLEL	ARCTIC BOULEVARD
R10	46+03	35.1 RT	10	10	PARALLEL	ARCTIC BOULEVARD
R10	46+27	35.3 RT	16	40	N/A	PEDESTRIAN REFUGE ISLAND
R10	46+52	34.7 RT	10	10	PARALLEL	ARCTIC BOULEVARD

- PCC CURB RAMP & DETECTABLE WARNING NOTES:

  1. SEE INTERSECTION LAYOUT SHEETS R5-R11 FOR FOR LOCATIONS OF CURB RAMPS AND DETECTABLE WARNINGS.

  2. CURB RAMP PAID FOR UNDER CY QUANTITY OF 30.05 PCC STRUCTURES/RETAINING WALL (CLASS AA-3).

1. DATA PROVIDED BY: \_\_

THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.

CONTRACTOR:

2. DATA TRANSFERRED BY: \_\_\_\_\_\_ \_\_\_\_\_ TITLE: \_\_\_\_

DATA TRANSFER CHECKED BY: \_\_\_\_ COMPANY: \_ DATE: \_

DATA	DRAWN BY	CHECKED BY			
BASE	TS	MJ			
TOPOGRAPHY	BW	BW			
PROFILE	RB	JK	FIELD BOOKS	BM NO. LOCATION ELEV. REV DATE DESCRIPTION	BY
STORM SEWER	ΜV	JH	DESIGN CRW BOOK No. 149, 169,	CB 7D See MOA Benchmark Book, Page D-56 94.77	-
WATER/SANITARY SEWER	RK	JK	195 & 196	CB 7C See MOA Benchmark Book, Page D-17 106.10	- 1
GAS	RK	JK	STAKING	GAAB 86 See MOA Benchmark Book, Page D-18   104.53	
TELEPHONE	RK	JK			3
ELECTRIC	JH	TK			
DESIGN	RB	JK	ASBUILT		
QUANTITIES	RB	JK	CONTRACTOR	BASIS OF THIS DATUM GAAB 1972 ADJUST	
PRELIMINARY/FINAL	RB	JK	INSPECTOR		
MUNICIPAL/STATE	RB	JK			
DIAN CHECK			CONSTRUCTION RECORD	VERTICAL DATUM	







PROJECT MANAGEMENT AND ENGINEERING DEPARTMENT

20-24 W. 30TH AVENUE & NORTH STAR STREET UPGRADES SCHED A SPENARD ROAD TO ARCTIC BOULEVARD

ROADWAY SUMMARY TABLES

SCALE HOR. N/A

GRID SW1629, SW1630

DATE SEPT 2020 STATUS 95%