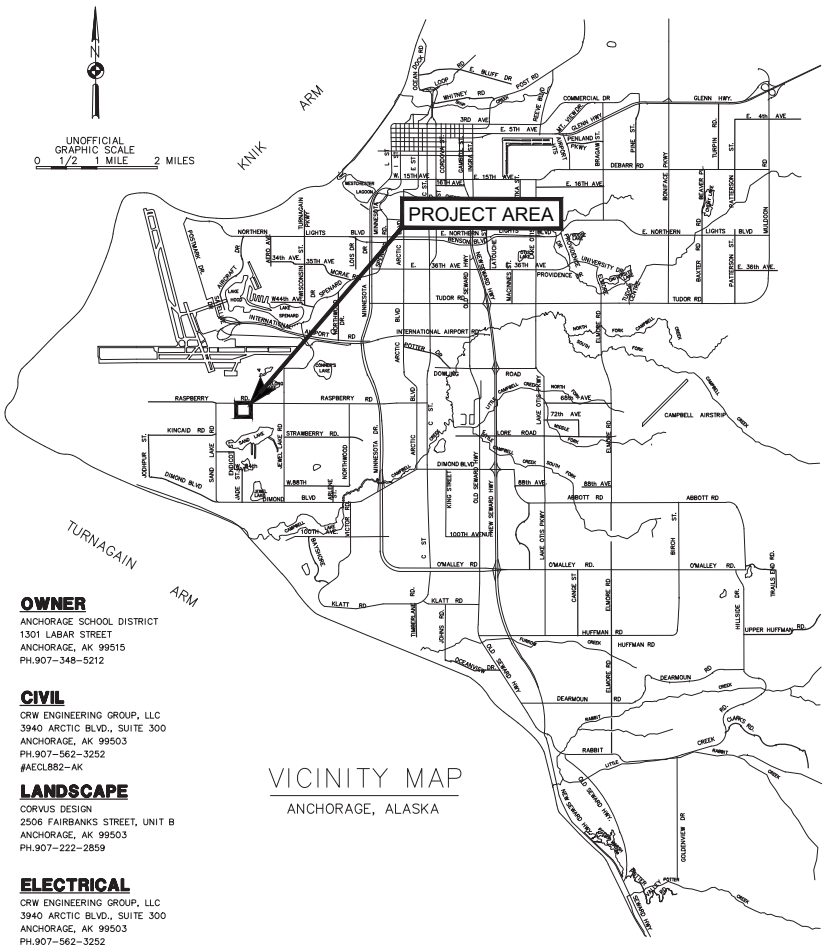


OWNER
ANCHORAGE SCHOOL DISTRICT
1301 LABAR STREET
ANCHORAGE, AK 99515
PH.907-348-5212

CIVIL
CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, AK 99503
PH.907-562-3252
#AECL882-AK

LANDSCAPE
CORVUS DESIGN
2506 FAIRBANKS STREET, UNIT B
ANCHORAGE, AK 99503
PH.907-222-2859

ELECTRICAL
CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, AK 99503
PH.907-562-3252
#AECL882-AK

CODE ANALYSIS

PROJECT:	KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS	
LEGAL DESCRIPTION:	SAND LAKE SCHOOL SITE TRACT B KINCAID ELEMENTARY	
ZONING:	PLI	
BUILDING OWNER:	ANCHORAGE SCHOOL DISTRICT	
APPLICABLE CODES:	INTERNATIONAL BUILDING CODE	2018 EDITION
	INTERNATIONAL ELECTRICAL CODE	2017 EDITION
	INTERNATIONAL FIRE CODE	2018 EDITION

PARKING REQUIREMENTS (PER MOA TITLE 21, SECTION 21.07-4)

OFF STREET PARKING REQUIREMENTS – ONE SPACE REQUIRED FOR EVERY SIX STUDENTS BASED ON STATE OF ALASKA EED CAPACITY PROVISIONS.

KINCAID ELEMENTARY SCHOOL EED CAPACITY = 536

536/6 = 90 SPACES REQUIRED
= 136 SPACES PROVIDED (INCLUDING 6 HANDICAP ACCESSIBLE SPACES)

SITE SCOPE

- RECONSTRUCTING THE STRUCTURAL SECTION OF ALL PAVEMENTS IN POOR CONDITION TO INCLUDE A NEW NON-FROST SUSCEPTIBLE STRUCTURAL SECTION. THIS INCLUDES PAVEMENTS IN THE VEHICULAR TRAVEL AREAS INCLUDING DRIVEWAYS, PARKING AREA, BUS LOOP, AND FRONT ENTRANCE.
- CONSTRUCTING A NEW TRAFFIC OPERATIONS CONFIGURATION FOR BUS AND VEHICULAR TRAFFIC.
- REPLACING EXISTING PLAYGROUND EQUIPMENT IN THE PRIMARY PLAYGROUND (AGES 6-12). REPLACING DETERIORATED PAVEMENT IN HARD PLAY AREA AND RE-STRIPING PAVEMENT SPORTS AREAS. INSTALLING NEW PLAYGROUND SURFACING.
- REPLACING AGING STORM DRAIN SYSTEM WITH NEW SYSTEM CONFIGURED TO NEW TRAFFIC LAYOUT. INSTALLING SUBDRAIN SYSTEM AND FIELD INLETS TO ADDRESS SURFACE WATER AND GROUND WATER ISSUES AT THE PORTABLE CLASSROOMS.
- IMPROVING SITE LIGHTING BY REPLACING DAMAGED LIGHT POLES, CONDUIT, AND CONDUCTORS. INSTALL NEW LED FIXTURES. SITE LIGHT POLES WILL BE RELOCATED IN THE VEHICULAR TRAFFIC AREAS TO COMPLY WITH NEW LAYOUT.
- INSTALLING TITLE 21 CODE REQUIRED LANDSCAPING FOR NEW PARKING AREAS.

CRW ENGINEERING GROUP, INC.

ANCHORAGE SCHOOL DISTRICT

PERMIT STAMP

KINCAID ELEMENTARY SCHOOL
SITE IMPROVEMENTS
OCTOBER 2026
BID SET

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
GENERAL	
G001	COVER SHEET
G002	ABBREVIATIONS & NOTES
G003	LEGEND
SURVEY	
V101	SURVEY CONTROL
CIVIL	
C101	FIRE ACCESS MAP
C102	OVERALL DEMOLITION PLAN
C103	DETAILED DEMOLITION PLAN
C104	DETAILED DEMOLITION PLAN
C105	DETAILED DEMOLITION PLAN
C106	OVERALL SITE PLAN
C107	DETAILED SITE PLAN – WEST
C108	DETAILED SITE PLAN – EAST
C109	DETAILED SITE PLAN – BUS LOOP
C200	OVERALL GRADING PLAN
C201	DETAILED GRADING PLAN – WEST
C202	DETAILED GRADING PLAN – EAST
C203	DETAILED GRADING PLAN – BUS LOOP
C204	DETAILED GRADING PLAN – PLAYGROUND AND FIELD
C205	GRADING DETAILS
C300	SITE SECTION PLAN
C301	SITE SECTIONS
C302	SITE SECTIONS
C303	SIGNING AND STRIPING PLAN – WEST
C304	SIGNING AND STRIPING PLAN – EAST
C305	SIGNING AND STRIPING PLAN – BUS LOOP
C306	SIGNING AND STRIPING SCHEDULE
C307	SITE DETAILS
C308	SITE DETAILS
C309	SITE DETAILS
C310	SITE DETAILS
C400	OVERALL STORM DRAIN AND UTILITY PLAN
C401	STORM DRAIN PLAN & PROFILE
C402	STORM DRAIN PLAN & PROFILE
C403	STORM DRAIN PLAN & PROFILE
C404	STORM DRAIN PLAN & PROFILE
C405	STORM DRAIN PLAN & PROFILE
C406	STORM DRAIN DETAILS
C407	STORM DRAIN DETAILS

GENERAL NOTES

1. CONTRACT DOCUMENTS: THE CONTRACT DOCUMENTS FOR THIS PROJECT, TITLED KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS, DATED 10/23/2026, CONSIST OF THE PROJECT MANUAL AND CONSTRUCTION DOCUMENTS. FOR THE PURPOSE OF THIS PROJECT, ALL INFORMATION HEREIN SHALL BE TREATED EQUALLY, WITHOUT ANY HIERARCHY, AND/OR ORDER OF PRECEDENCE, UNLESS OTHERWISE NOTED.
2. ELECTRONIC MEDIA: THE CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED UTILIZING ELECTRONIC DRAFTING FORMATS OF AUTOCAD VERSION 2019. THE AVAILABILITY OF ELECTRONIC BASE FLOOR PLAN, AND/OR ANY RELATED DOCUMENT FOR USE BY THE GENERAL CONTRACTOR FOR THE USE ON THIS SPECIFIC PROJECT IS CONDITIONALLY GRANTED THROUGH PERMISSION OF THE A/E DESIGNER OF RECORD.
3. REFERENCE CODES: ALL WORK SHALL CONFIRM TO ALL APPLICABLE BUILDING CODES, STANDARDS, REGULATIONS, AND OTHER SUPPLEMENTAL AMENDMENTS RELATED TO THE JURISDICTIONS OF THE PROJECT, IN THEIR LATEST AND MOST RECENT ADOPTED EDITIONS AND EFFECTIVE DATES.
   CODES INCLUDE THE FOLLOWING:
   INTERNATIONAL BUILDING CODE, 2018 EDITION
   NATIONAL ELECTRICAL CODE, 2017 EDITION
4. VERIFY CONDITIONS: THE CONTRACTOR SHALL VERIFY ALL PROJECT-RELATED NEW AND/OR EXISTING CONDITIONS, INCLUDING DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. PROMPTLY NOTIFY THE PROJECT MANAGER IN WRITING OF DISCREPANCIES AND/OR UNKNOWN CONDITIONS OBSERVED.
5. DRAWING FORMAT: THESE CONSTRUCTION DOCUMENTS HAVE BEEN PRODUCED AT DRAWING SCALES THAT RELATE TO THEIR FULL-SIZE FORMAT 22"X34". DEVIATIONS TO THIS FORMAT SIZE WILL PRODUCE DRAWINGS OUTSIDE OF THE SCALE LIMITS INDICATED. DRAWING REPRODUCTIONS AT ANY FORMAT SHOULD NOT BE SCALED FOR DIMENSIONAL ACCURACY. USE GRAPHIC SCALES ACCORDINGLY.
6. PREPARATION OF DOCUMENTS: THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED FROM OWNER FURNISHED CONSTRUCTION DOCUMENTS. DEVIATIONS FROM THESE CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER FOR RESOLUTION.
7. PROJECT PERMITTING: ANCHORAGE SCHOOL DISTRICT WILL APPLY FOR AND OBTAIN THE BUILDING PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTIONS.
8. SITE SAFETY: CONTRACTOR IS RESPONSIBLE FOR ALL PROJECT RELATED SAFETY MEASURES ON-SITE, DURING THE PROJECT CONSTRUCTION PERIOD. NOTIFY THE GENERAL CONTRACTOR, AND/OR THE DESIGNATED "SAFETY OFFICER" AT ONCE SHOULD SAFETY RELATED CONCERNS BE OBSERVED ON-SITE.

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
ELECTRICAL	
E001	ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES & KEY MAP
E101	ILLUMINATION PLAN
E102	ILLUMINATION PLAN
E103	ILLUMINATION PLAN
E104	ILLUMINATION PLAN
E201	ELECTRICAL SCHEDULES
E301	ELECTRICAL DETAILS
E302	ELECTRICAL DETAILS
E303	SITE LIGHTING CONTROL SCHEMATIC
LANDSCAPE	
L100	CODE ANALYSIS
L101	SOILS PLAN
L102	PLANTING PLAN – NORTHWEST
L103	PLANTING PLAN – NORTHEAST
L104	PLANTING PLAN – SOUTH
L105	PLAYGROUND PLAN
L106	PLAYGROUND EQUIPMENT FOOTING PLAN
L107	SAFETY SURFACING PLAN
L501	DETAILS
L502	DETAILS
L503	DETAILS
L901	EXISTING CONDITIONS IMAGES
L902	PLAYGROUND RENDERINGS
L903	PLAYGROUND RENDERINGS

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 MUNICIPALITY OF ANCHORAGE (MOA) STANDARD SPECIFICATIONS (HEREINAFTER REFERRED TO AS MASS), THE LATEST VERSION OF THE AWWU DESIGN CRITERIA MANUAL, AND THE SPECIAL PROVISIONS.
2. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THESE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES ENCOUNTERED AND RECORD THEIR LOCATION ON THE CONTRACT RECORD DRAWINGS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ASD PM AND ENGINEER.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED ON THE PROJECT SITE.
4. ALL WORK IN CLOSE PROXIMITY TO EXISTING OVERHEAD AND UNDERGROUND TELEPHONE AND ELECTRIC UTILITIES SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL STATUTES, CODES AND GUIDELINES AND THE CLEARANCE REQUIREMENTS OF THE SERVING UTILITY.
5. IN PREPARATION FOR AND IMMEDIATELY PRIOR TO PAVING, THE CONTRACTOR SHALL SAW CUT AND REMOVE ADDITIONAL PAVEMENT BEYOND THE INITIAL SAW CUT, A MINIMUM OF 1-FOOT ONTO UNDISTURBED ASPHALT. TACK COAT SHALL BE APPLIED TO THE SAWN FACE OF ASPHALT PRIOR TO BEGINNING PAVING.
6. CONTRACTOR SHALL REMOVE ANY LITTER OR DEBRIS WITHIN THE PROJECT LIMITS AT THE END OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ONGOING SITE CLEANLINESS THROUGHOUT THE PROJECT DURATION.
7. THE CONTRACTOR SHALL MAINTAIN "REDLINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS. THE "REDLINES" SHALL BE KEPT CURRENT ON A DAILY BASIS AND SHALL BE AVAILABLE TO THE ASD PM AND ENGINEER FOR INSPECTION ON THE JOB SITE. THE CONTRACTOR SHALL SUBMIT RECORD SURVEY NOTES WITH THE RECORD DRAWINGS.
8. ALL CURB LOCATIONS, RADIUS MEASUREMENTS, AND ELEVATIONS ARE TO THE TOP BACK OF CURB (TBC) UNLESS OTHERWISE NOTED.
9. UNLESS OTHERWISE NOTED, ALL VALVE BOXES, CLEANOUTS, AND MANHOLES WITHIN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE.
10. WATER RESULTING FROM THE CONTRACTOR'S DEWATERING EFFORT MAY NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS UNLESS REQUIRED PERMITS, INCLUDING, BUT NOT LIMITED TO, THOSE REQUIRED BY THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION, ARE OBTAINED BY THE CONTRACTOR. UNDER NO CIRCUMSTANCES WILL 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 SHALL PROVIDE COPIES OF PERMITS AND APPROVALS TO THE MOA ROW PERMIT OFFICE PRIOR TO BEGINNING DEWATERING. DEWATERING EFFORTS SHALL BE IN ACCORDANCE WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
11. ALL FILL, USABLE EXCAVATION, AND TRENCH BACKFILL SHALL BE COMPACTED TO NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, BASED ON MODIFIED PROCTOR TEST VALUES. ALL FILLS SHALL BE PLACED IN LIFTS NOT EXCEEDING 12 INCHES.
12. CURB & GUTTER SHALL BE SAW CUT AT THE NEAREST JOINT AT OR BEYOND REMOVAL LIMITS OR AS DIRECTED BY THE ENGINEER.
13. CONTRACTOR SHALL PROVIDE AND INSTALL DETECTOR LOCATOR TAPE PROPERLY CODED AND LABELED IDENTIFYING THE UTILITY(IES) INSTALLED IN THE TRENCH PER MASS.
14. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A HAUL ROUTE PLAN FOR ALL MATERIAL REMOVED OR IMPORTED TO THE PROJECT SITE PRIOR TO BEGINNING CONSTRUCTION. THE HAUL ROUTE PLAN SHALL MEET THE REQUIREMENTS OF ANCHORAGE MUNICIPAL CODE 9.46.410A.
15. CONTRACTOR SHALL PLACE 4" TOPSOIL AND SEEDING ON ALL AREAS DISTURBED BY CONSTRUCTION, AND NOT STABILIZED BY OTHER METHODS; I.E. PAVEMENT, MULCH, GRAVEL, ETC. SEE LANDSCAPING SHEETS FOR MORE DETAIL.
16. UNLESS OTHERWISE NOTED, GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, NON-COMPLYING FILL, TOPSOIL, AND OTHER UNSUITABLE MATERIALS SCARIFYING TO PROVIDE A BOND WITH THE NEW FILL.
17. GEOTECHNICAL (SOILS) INFORMATION IS INCLUDED IN THE SPECIFICATIONS. SEE SHEET C102 FOR SOIL BORING LOCATIONS.
18. CONTRACTOR SHALL COORDINATE WITH THE AWWU PLANNING DEPARTMENT OTHER AGENCIES COORDINATOR PRIOR TO ANY DEMOLITION, EXCAVATION, COMPACTION, OR UTILITY CONSTRUCTION WITHIN 15 FEET OF THE EXISTING SEWER LINE IN RASPBERRY ROAD TO ENSURE COVER IS MAINTAINED AND NO DAMAGE OCCURS TO THE EXISTING SEWER SYSTEMS.

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	–	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	–	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	–	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	–
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	–	X

COMMON ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AC	ASPHALT CONCRETE	N/A	NOT APPLICABLE
APPROX, APPX	APPROXIMATE	N.I.C.	NOT IN CONTRACT
		NTS	NOT TO SCALE
ASD	ANCHORAGE SCHOOL DISTRICT	NWT	NO WATER TABLE
BGS	BELOW GROUND SURFACE	OC	ON CENTER
BM	BENCH MARK	OCEW	ON CENTER EACH WAY
BMP	BEST MANAGEMENT PRACTICES	OD	OUTSIDE DIAMETER
BOP	BEGINNING OF PROJECT	OGS	OIL & GRIT SEPARATOR
C&G	CURB AND GUTTER	OH	OVERHEAD
CB	CATCH BASIN	OHT	OVERHEAD TELEPHONE
CBMH	CATCH BASIN MANHOLE	PC	POINT OF CURVATURE
C/L, CL	CENTERLINE	PCC	PORTLAND CONCRETE CEMENT/
CO	CLEANOUT		POINT OF CONTINUOUS CURVATURE
CONST	CONSTRUCTION	PI	POINT OF INTERSECTION
CPEP	CORRUGATED POLYETHYLENE PIPE	PL, P/L	PROPERTY LINE
DIA	DIAMETER	PCMP	PRECOATED CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE	PRC	POINT OF REVERSE CURVATURE
DN	DOWN	PT	POINT OF TANGENCY
DW	DETECTABLE WARNING	PUE	PUBLIC USE EASEMENT
ELEC	ELECTRIC / ELECTRICAL	PVC	POINT OF VERTICAL CURVATURE
ELEV, EL	ELEVATION	PVI	POINT OF VERTICAL INTERSECTION
EOC	EDGE OF CONCRETE	PVT	POINT OF VERTICAL TANGENT
EOP	END OF PROJECT / EDGE OF PAVEMENT	ROW, R/W	RIGHT OF WAY
EX, EXIST	EXISTING	R	RADIUS
FC	FROST CLASSIFICATION	RD	ROOF DRAIN
F&I	FURNISH AND INSTALL	RT	RIGHT
FF	FINISHED FLOOR	S/W	SIDEWALK
FG	FINISHED GRADE	SS	STAINLESS STEEL
FO	FIBER OPTIC	SEC COR	SECTION CORNER
GA	GAUGE	SF	SQUARE FEET
GALV.	GALVANIZED	SHT	SHEET
GB	GRADE BREAK	SI	STREET INTERSECTION
HDPE	HIGH DENSITY POLYETHYLENE	ST	STREET
JB	JUNCTION BOX	STA	STATION / STATIONING
IAW	IN ACCORDANCE WITH	STD	STANDARD
IE	INVERT ELEVATION	STRUCT	STRUCTURE
INTX	INTERSECTION	T:	TOP BACK OF CURB ELEVATION
INV	INVERT	TBC	TOP BACK OF CURB
LF	LINEAR FOOT	TBM	TEMPORARY BENCH MARK
LT, L	LEFT	TELE	TELEPHONE
L:	LIP OF CURB ELEVATION	TH	TEST HOLE
LUM	LUMINAIRE	TYP.	TYPICAL
MAX	MAXIMUM	UG	UNDERGROUND
ME	MATCH EXISTING	U.O.N	UNLESS OTHERWISE NOTED
MH	MANHOLE	UTIL	UTILITY
MIN	MINIMUM	VB	VALVE BOX
MON	MONUMENT	VC	VERTICAL CURVE
MSL	MEAN SEA LEVEL	W/	WITH

CALL BEFORE YOU DIG!!!

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

PERMIT STAMP

CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 677-3637
AECC585-AK

STATE OF ALASKA — 49TH — REGISTERED PROFESSIONAL ENGINEER — Phillip D. Arbea — CE-13581 — 10/23/2026

PROJECT NO. 10417.00 | CITY GRID SW2124 | WATER GRID SW2124 | SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ABBREVIATIONS & NOTES

STATUS: BID SET — DATE: 10/23/2026

REV	DATE	DESCRIPTION	BY
		REVISION	

SCALE HOR: N/A VER: N/A | DESIGNED BY AA | DRAWN BY AA | CHECKED BY RC | APPROVED BY RC

SHEET NO.
G002

PLAN LEGEND

SYMBOL EXISTING	SYMBOL PROPOSED	
		CENTERLINE
		PROPERTY LINE
		ROW LINE
		EASEMENT LINE
		SECTION LINE
		TEMPORARY CONSTRUCTION PERMIT
		EDGE OF AC PAVEMENT
		EDGE OF GRAVEL
		CREEK/EDGE OF WATERWAY
		WETLANDS
		CURB AND GUTTER
		AC OR PCC SIDEWALK
		DRAINAGE CHANNEL
		DRAINAGE ARROW
		BLUFF AREA/ EARTHWORK SLOPE
		CULVERT
		CHAINLINK FENCE
		WOOD FENCE
		DECIDUOUS TREE/SHRUB
		CONIFEROUS TREE/SHRUB
		TREES, VEGETATION & BRUSH
		GUARDRAIL
		STREET SIGN
		HANDICAPPED PARKING
		TEST BORING OR TEST HOLE
		RAILROAD TRACKS
M.B.	M.B.	MAILBOX
		HOUSE OR STRUCTURE
(123)	(123)	CONTOUR LINE
SPT EL.	SPT EL.	SPOT ELEVATION
IP		IRON PIN (REBAR) / IRON PIPE
		BENCHMARK
		TEMPORARY BENCHMARK
		BRASS CAP MONU./BLM CORNER
		PK NAIL, SPIKE OR CONCRETE NAIL
		ALCAP OR PLASTIC CAP
		APPROXIMATE FILL SLOPE LIMITS
		APPROXIMATE CUT SLOPE LIMITS
		APPROXIMATE EXCAVATION LIMITS
C		UNDERGROUND CABLE TV LINE
OC		CABLE TV LINE (OVERHEAD)
E		UNDERGROUND ELECTRIC LINE
OE		ELECTRIC LINE (OVERHEAD)
		ELECTRIC & TELEPHONE (OVERHEAD)
OFO		FIBER OPTIC (OVERHEAD)
FO		UNDERGROUND FIBER OPTIC
SLD		SLOT DRAIN
L		UNDERGROUND LIGHTING LINE
FMS		FORCE MAIN, SEWER
		CONCRETE, 4" THICK
		CONCRETE SIDEWALK, 6" THICK WITH WELDED WIRE FABRIC
		AC PAVEMENT
		CLASSIFIED FILL & BACKFILL
		GRAVEL
		GRASS & LANDSCAPE AREA

SYMBOL EXISTING	SYMBOL PROPOSED	
		STORM DRAIN MANHOLE (TYPE I)
		STORM DRAIN MANHOLE (TYPE II)
		CATCH BASIN MANHOLE (TYPE I)
		CATCH BASIN MANHOLE (TYPE II)
		CATCH BASIN
		SANITARY SEWER MANHOLE
C.O.	C.O.	SANITARY SEWER/STORM DRAIN CLEANOUT
CP	CP	CESSPOOL/SEPTIC TANK
		WATER WELL
W	W	WATERTIGHT SANITARY SEWER MANHOLE
		WATER KEY BOX/VALVE MARKER
		FIRE HYDRANT
		DRY WELL
		STUBOUT CAPPED OR PLUGGED END
		GAS VALVE
G.M.		GAS METER
U.E.		UNDERGROUND ELECTRIC PEDESTAL
E		ELECTRICAL MANHOLE/J-BOX
OEM	OEM	ELECTRIC METER
		JB TYPE IA
		JB TYPE II
		JB TYPE III
E	E	ELECTRICAL VAULT
		LUMINAIRE/LIGHT
		UTILITY POLE
		GUY POLE
		GUY ANCHOR
		LOAD CENTER
SC		SWITCH CABINET
		ELECTRIC TRANSFORMER
		JOINT USE POWER & TELE. POLE
T		TELEPHONE MANHOLE
U.T.		UNDERGROUND TELE. PEDESTAL
U.C.		UNDERGROUND TV CABLE PEDESTAL
FO		UNDERGROUND FIBER OPTIC PEDESTAL
		TRAFFIC SIGNAL POLE/LUMINARE
		TRAFFIC SIGNAL POLE
		CLUSTER MAILBOX
#	#	PARCEL NUMBERS
P		PARKING METER
		OPTICOM DETECTOR
G	G	GAS LINE
S		SANITARY SEWER LINE
SD	SD	STORM DRAIN LINE
AP	AP	STORM DRAIN (ARCTIC PIPE)
T		UNDERGROUND TELEPHONE LINE
OT		TELEPHONE LINE (OVERHEAD)
TF		UNDERGROUND TRAFFIC LINE
W	W	WATER LINE
		SWALE

PROFILE LEGEND

SYMBOL EXISTING	SYMBOL PROPOSED	
		WEST OR NORTH PROPERTY LINE
		EAST OR SOUTH PROPERTY LINE
	0.00%	GRADE AT CENTER LINE
		EXISTING GROUND OVER PIPE
		APPROXIMATE EXCAVATION LIMITS
	0.00%	PIPE (PROFILE)
		UTILITY PIPE/CONDUIT/LINE (SECTION)
		WATER LEVEL
		SANITARY SEWER/ STORM DRAIN MANHOLE & PIPE

NOTES:

1. STANDARD LEGEND SHOWN. NOT ALL LEGEND OR ITEMS ARE PART OF THIS CONTRACT.
2. ADDITIONAL LEGEND ITEMS NOT SHOWN HERE ARE PROVIDED ON SPECIFIC SHEETS THROUGHOUT THE DRAWINGS.

PERMIT STAMP

CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 522-1707
AECC3353-AK

STATE OF ALASKA — 49TH — REGISTERED PROFESSIONAL ENGINEER — Philip D. Abbott — CE-13651 — 10/23/2026

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
LEGEND

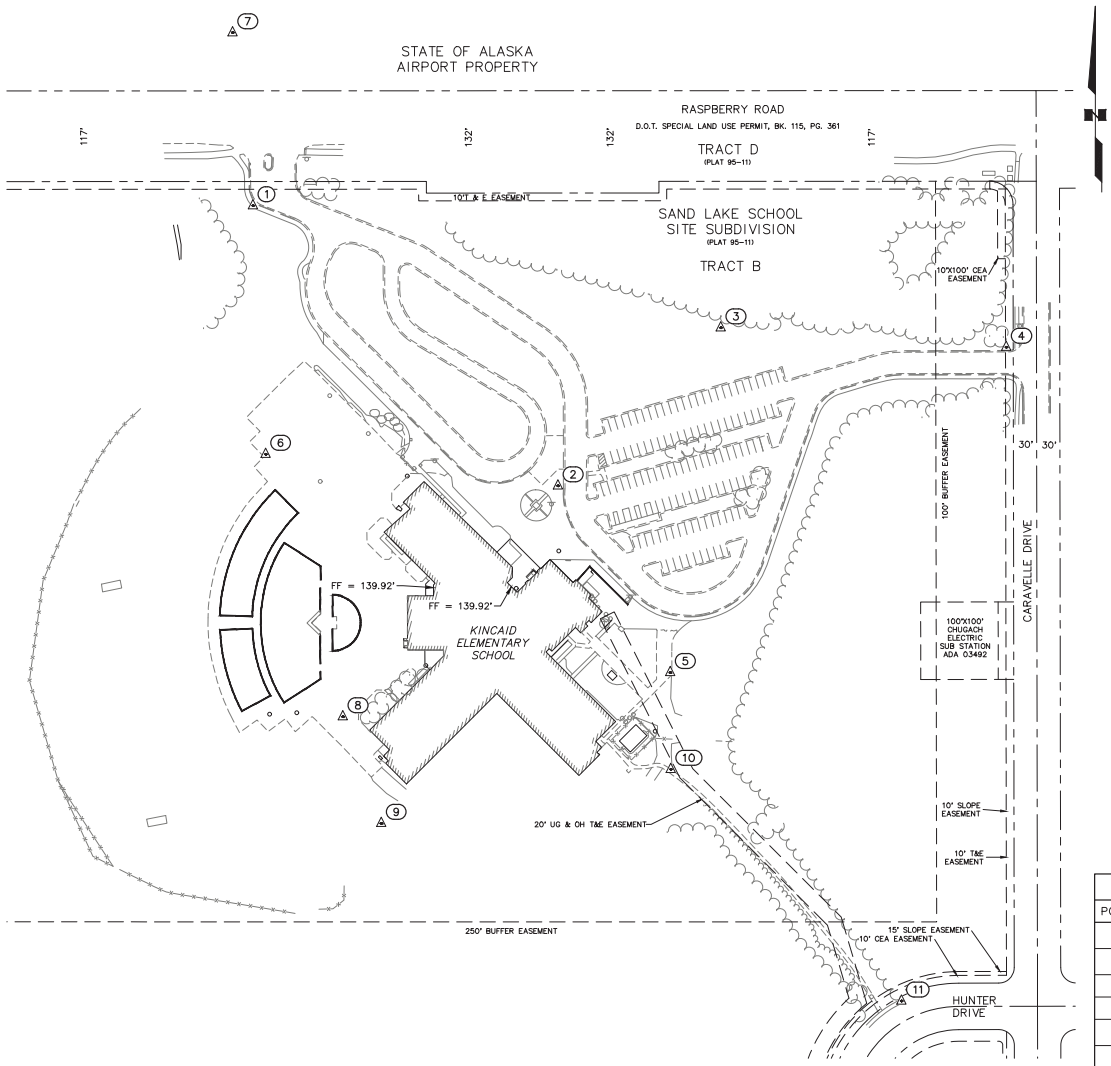
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	BY
		REVISION	

SCALE HOR: N/A VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
G003

File: J:\JobData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Legend Notes Abbreviations.dwg PLOT DATE: 10/23/2026 11:50 AM



LEGEND

- CONTROL SET BY CRW
- REBAR FOUND
- (500) CONTROL POINT NUMBER

80' 0 80' 160'

PERMIT STAMP

HORIZONTAL CONTROL

COORDINATE SYSTEM:
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.

BASIS OF BEARINGS:
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 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.

VERTICAL CONTROL

VERTICAL CONTROL IS BASED ON MOA BENCHMARK "GAAB 127", ELEVATION = 109.54 FEET (GAAB) AS DESCRIBED ON PAGE D-32 OF THE MOA BENCHMARK BOOK.

THE FINISHED FLOOR ELEVATIONS SHOWN ARE BASED ON DIFFERENTIAL LEVEL LOOPS FROM GAAB 127.

NOTES

1. ALL COORDINATES AND DIMENSIONS SHOWN ARE IN U.S. SURVEY FEET.
2. THE FIELD SURVEY OF THE EXISTING CONDITIONS AND SURVEY CONTROL WERE COMPLETED FROM APRIL 11TH TO MAY 3RD, 2022.
3. ALL POINTS SHOWN HEREON WERE ESTABLISHED BY STATIC GPS AND TOTAL STATION SURVEY METHODS, USING GS14 & GS16 GPS RECEIVERS OR LEICA TOTAL STATION AND POST PROCESSED USING LEICA INFINITY SOFTWARE, VER. 3.6.1.
4. WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS, CORNERS, OR ACCESSORIES, WHICH WILL BE DISTURBED OR BURIED, SHALL BE REFERENCED OR RE-ESTABLISHED IN THEIR ORIGINAL POSITION (A.S. 19.10.260) AND RECORDED (A.S. 34.65.040).
5. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT, ADDITIONAL ENCUMBRANCES OR EASEMENTS MAY EXIST BEYOND THOSE PLOTTED AND SHOWN HEREON.

HORIZONTAL CONTROL

POINT NO.	NORTHING	EASTING	DESCRIPTION
1	318860.0476	332920.9062	SET 1 1/4" COPPER PLUG "CRW CONTROL" FLUSH WITH PAVEMENT
2	318498.4808	333314.5404	SET 1 1/4" COPPER PLUG "CRW CONTROL" FLUSH WITH CONCRETE
3	318702.4504	333524.6781	SET REBAR WITH 2" ALUMINUM CAP "CRW CONTROL" FLUSH WITH SURFACE
4	318677.3600	333892.9803	SET REBAR WITH 2" ALUMINUM CAP "CRW CONTROL" FLUSH WITH SURFACE
5	318257.5720	333459.4027	SET 1 1/4" COPPER PLUG "CRW CONTROL" FLUSH WITH PAVEMENT
6	318539.2458	332937.3197	SET 1 1/4" COPPER PLUG "CRW CONTROL" FLUSH WITH PAVEMENT
7	319083.2045	332894.7116	SET REBAR WITH 1 1/2" RPC "CRW CONTROL" FLUSH WITH SURFACE
8	318200.5075	333036.9623	SET 1 1/4" COPPER PLUG "CRW CONTROL" FLUSH WITH PAVEMENT
9	318062.9039	333086.4623	SET REBAR WITH 2" ALUMINUM CAP "CRW CONTROL" FLUSH WITH SURFACE
10	318132.6088	333460.0820	SET 1 1/4" COPPER PLUG "CRW CONTROL" FLUSH WITH PAVEMENT
11	317833.6614	333757.7842	SET 1 1/4" COPPER PLUG "CRW CONTROL" FLUSH WITH CONCRETE

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
AECC3552-AK

STATE OF ALASKA
49TH
JAMES W. WARD
LS-12519
10/23/2026
REGISTERED PROFESSIONAL LAND SURVEYOR

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SURVEY CONTROL

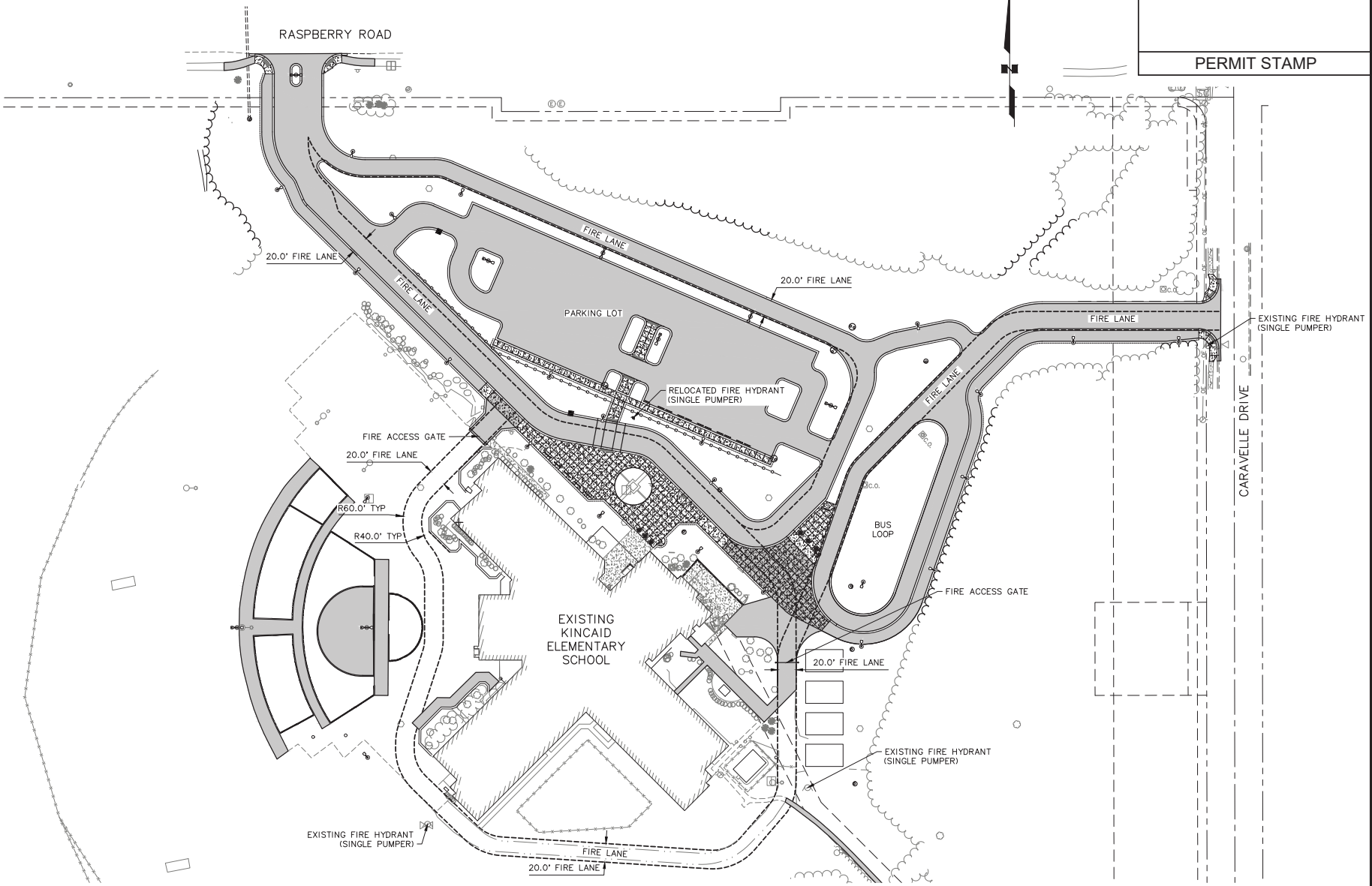
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STATUS: BID SET

REV	DATE	DESCRIPTION	BY
REVISION			

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DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
V101

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\02 Survey\03 Survey Control\10417.00 SCS.dwg PLOT DATE: 10/23/2026 11:51 AM



DRAWINGS

CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 522-1707
AECC-USDC-AK

STATE OF ALASKA
49TH
PAUL D. ABEL
CE-13581
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
FIRE ACCESS MAP

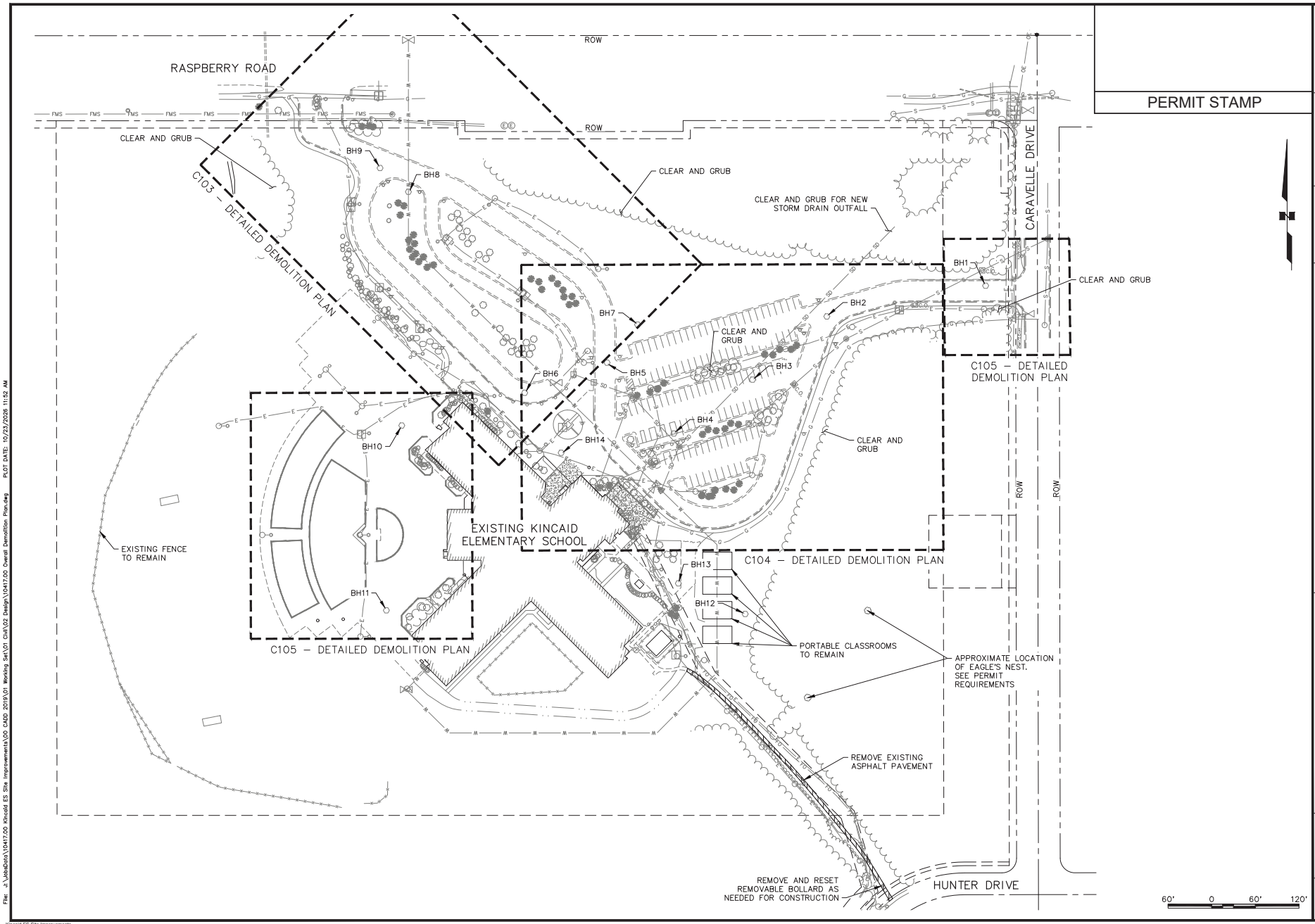
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DATE: 10/23/2026

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE HOR: GRAPHIC
VERT: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C101

File: J:\JobData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Fire Access Map.dwg PLOT DATE: 10/23/2026 11:52 AM



PERMIT STAMP

DRAWINGS

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 677-3637
AECC-1553-AK

STATE OF ALASKA
49TH
PAUL D. ABEO
CE-13581
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.	10417.00
CITY GRID	SW2124
WATER GRID	SW2124
SEWER GRID	SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
OVERALL DEMOLITION PLAN

STATUS: BID SET
DATE: 10/23/2026

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR. GRAPHIC
VER. N/A
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: RC
APPROVED BY: RC

SHEET NO.
C102

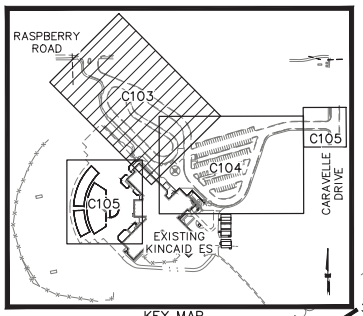
File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Overall Demolition Plan.dwg PLOT DATE: 10/23/2026 11:52 AM

LEGEND

- (1) REMOVE EXISTING CONCRETE SIDEWALK OR PAD
- (2) REMOVE EXISTING ASPHALT PAVEMENT
- (3) REMOVE EXISTING CURB & GUTTER
- (4) REMOVE AND SALVAGE EXISTING SIGN, SEE NOTE 1
- (5) PROTECT IN PLACE
- (6) REMOVE EXISTING STRUCTURE, AND FOUNDATION, SEE NOTE 1
- (7) REMOVE RETAINING WALL, SEE LANDSCAPE PLANS
- (8) REMOVE EXISTING TREE/SHRUB
- (9) REMOVE EXISTING UTILITY
- (10) REMOVE EXISTING JUNCTION BOX
- (11) REMOVE EXISTING LIGHT/POWER POLE
- (12) REMOVE EXISTING BOLLARD
- (13) RELOCATE EXISTING HYDRANT
- (14) REMOVE EXISTING STORM DRAIN STRUCTURE
- (15) CLEARING AND GRUBBING
- APPROXIMATE LIMITS OF PROJECT DISTURBANCE

NOTES:

1. SALVAGE EXISTING SIGNS AND DELIVER TO ASD MAINTENANCE.
2. SEE ELECTRICAL SHEETS FOR DEMOLITION OF ELECTRICAL ITEMS.
3. LIMITS OF CLEARING SHALL BE STAKED BY THE CONTRACTOR. AFTER THE SITE HAS BEEN STAKED AND FLAGGED FOR CLEARING LIMITS, THE LIMITS SHALL BE FIELD VERIFIED JOINTLY BY THE ASD PM, THE LANDSCAPE ARCHITECT AND THE CONTRACTOR. NO CLEARING SHALL BEGIN UNTIL FINAL WRITTEN APPROVAL OF THE CLEARING LIMITS IS GIVEN BY THE CONTRACTING OFFICER. WRITTEN APPROVAL FOR CLEARING WILL NOT BE PROVIDED IN ADVANCE OF JOINT FIELD VERIFICATION OF THE CLEARING LIMITS. CLEARING OF TREES SHALL BE KEPT TO A MINIMUM PRACTICAL AREA WITHIN THE APPROVED LIMITS. THE CONTRACTING OFFICER RESERVES THE RIGHT TO ADJUST CLEARING LIMITS BY UP TO EIGHT FEET TO SAVE TREES. THE CONTRACTING OFFICER MAY ELECT TO ALTER GRADES, OR ADJUST THE PLANS TO SAVE TREES.
4. LOCATION OF STORM DRAIN, SEWER, AND WATER LINES ARE BASED ON ASBUILT INFORMATION. CONTRACTOR SHALL VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION.
5. SEE STORM DRAIN PLAN FOR ADDITIONAL DEMOLITION.



KEY MAP
SCALE: 1"=250'

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 522-1707
AECC0002-AK

STATE OF ALASKA
49TH
PHILIP A. CRAIG
CE-13681
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.	10417.00
CITY GRID	SW2124
WATER GRID	SW2124
SEWER GRID	SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED DEMOLITION PLAN

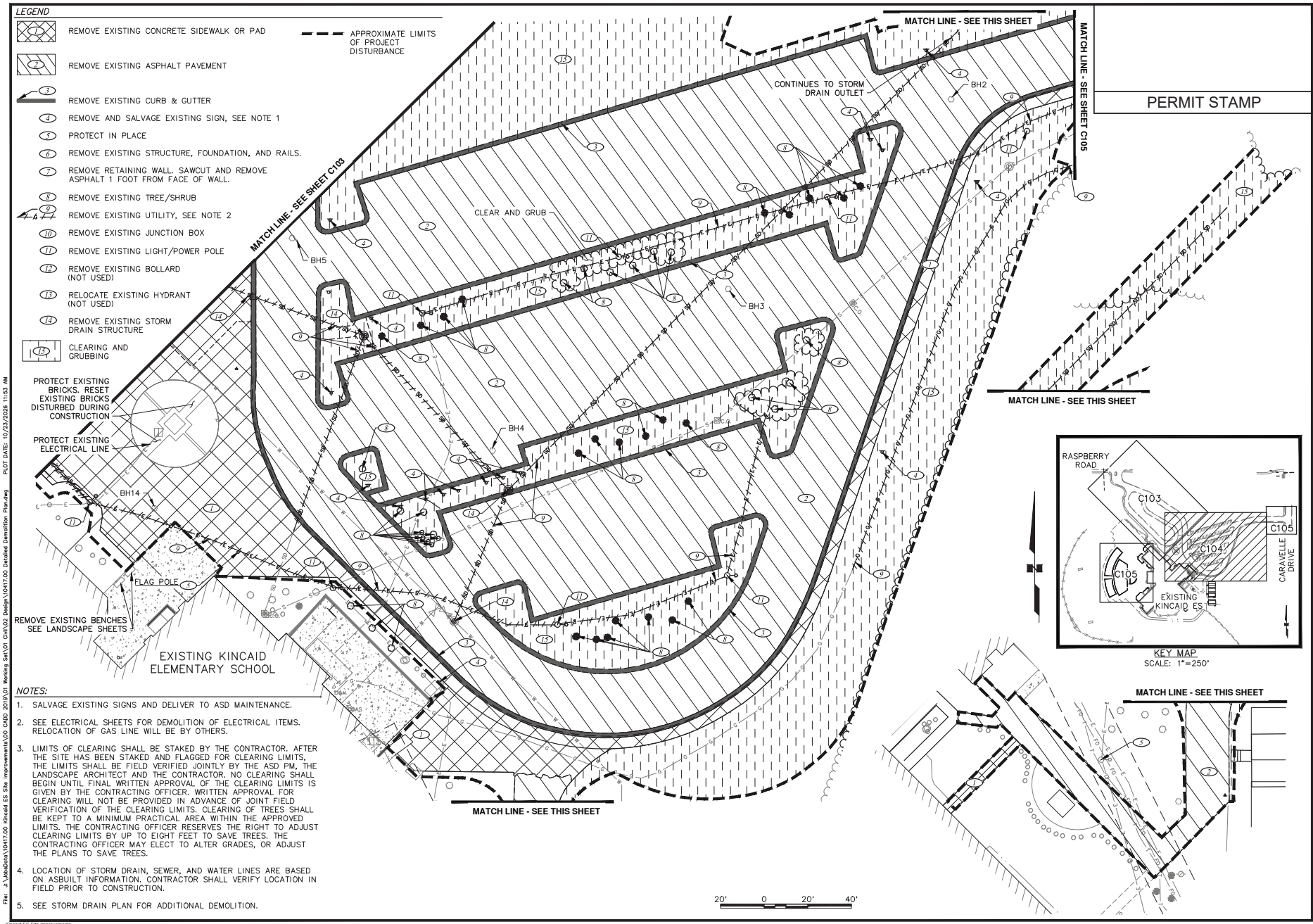
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DATE: 10/23/2026

REV	DATE	DESCRIPTION	BY
		REVISION	

SCALE: HOR: 1"=20' VERT: N/A
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: RC
APPROVED BY: RC

SHEET NO.
C103

File: J:\JobData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Demolition Plan.dwg PLOT DATE: 10/23/2026 11:53 AM



NOTES:

1. SALVAGE EXISTING SIGNS AND DELIVER TO ASD MAINTENANCE.
2. SEE ELECTRICAL SHEETS FOR DEMOLITION OF ELECTRICAL ITEMS. RELOCATION OF GAS LINE WILL BE BY OTHERS.
3. LIMITS OF CLEARING SHALL BE STAKED BY THE CONTRACTOR. AFTER THE SITE HAS BEEN STAKED AND FLAGGED FOR CLEARING LIMITS, THE LIMITS SHALL BE FIELD VERIFIED JOINTLY BY THE ASD PM, THE LANDSCAPE ARCHITECT AND THE CONTRACTOR. NO CLEARING SHALL BEGIN UNTIL FINAL WRITTEN APPROVAL OF THE CLEARING LIMITS IS GIVEN BY THE CONTRACTING OFFICER. WRITTEN APPROVAL FOR CLEARING WILL NOT BE PROVIDED IN ADVANCE OF JOINT FIELD VERIFICATION OF THE CLEARING LIMITS. CLEARING OF TREES SHALL BE KEPT TO A MINIMUM PRACTICAL AREA WITHIN THE APPROVED LIMITS. THE CONTRACTING OFFICER RESERVES THE RIGHT TO ADJUST CLEARING LIMITS BY UP TO EIGHT FEET TO SAVE TREES. THE CONTRACTING OFFICER MAY ELECT TO ALTER GRADES, OR ADJUST THE PLANS TO SAVE TREES.
4. LOCATION OF STORM DRAIN, SEWER, AND WATER LINES ARE BASED ON ASBUILT INFORMATION. CONTRACTOR SHALL VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION.
5. SEE STORM DRAIN PLAN FOR ADDITIONAL DEMOLITION.

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD, SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 677-3520

STATE OF ALASKA — 49TH — REGISTERED PROFESSIONAL ENGINEER — PAUL D. ADAS — CE-13651 — 10/23/2026

PROJECT NO.	10417.00
CITY GRID	SW2124
WATER GRID	SW2124
SEWER GRID	SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED DEMOLITION PLAN

DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR. GRAPHIC VER. N/A
DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: RC
APPROVED BY: RC

SHEET NO.
C104

Plot Date: 10/23/2026 11:53 AM
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DRAWINGS

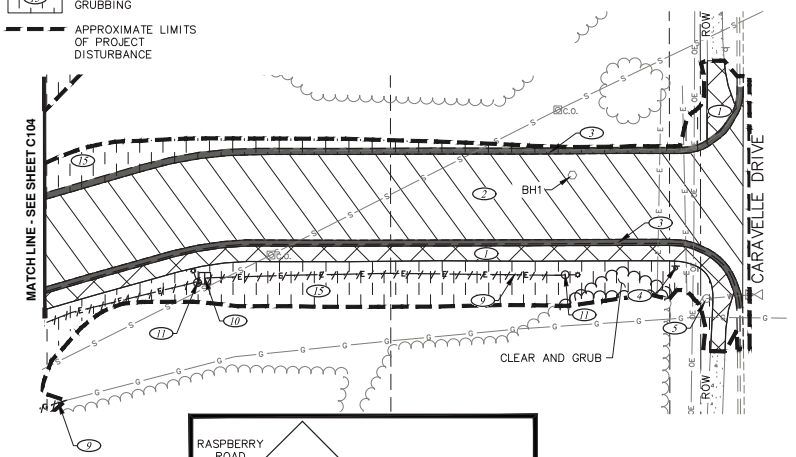
LEGEND

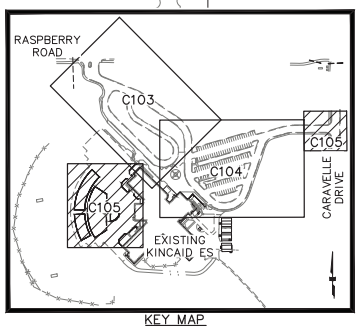
- (1) REMOVE EXISTING CONCRETE SIDEWALK OR PAD
- (2) REMOVE EXISTING ASPHALT PAVEMENT
- (3) REMOVE EXISTING CURB & GUTTER
- (4) REMOVE AND SALVAGE EXISTING SIGN, SEE NOTE 1
- (5) PROTECT IN PLACE
- (6) REMOVE EXISTING STRUCTURE, FOUNDATION, AND RAILS.
- (7) REMOVE RETAINING WALL. SAWCUT AND REMOVE ASPHALT 2 FEET FROM FACE OF WALL.
- (8) REMOVE EXISTING TREE/SHRUB
- (9) REMOVE EXISTING UTILITY, SEE NOTE 2
- (10) REMOVE EXISTING JUNCTION BOX
- (11) REMOVE EXISTING LIGHT/POWER POLE
- (12) REMOVE EXISTING BOLLARD (NOT USED)
- (13) RELOCATE EXISTING HYDRANT (NOT USED)
- (14) REMOVE EXISTING STORM DRAIN STRUCTURE
- (15) CLEARING AND GRUBBING
- APPROXIMATE LIMITS OF PROJECT DISTURBANCE

NOTES:

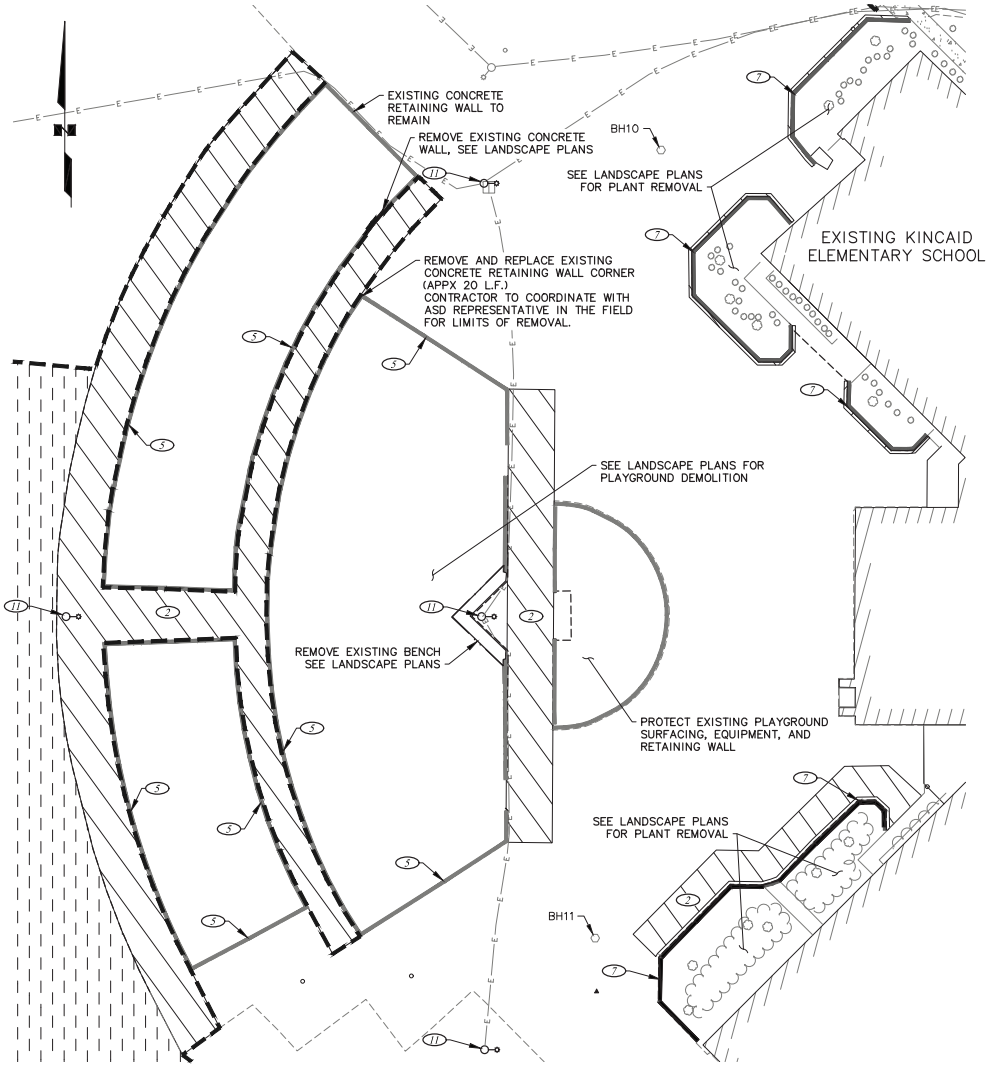
1. SALVAGE EXISTING SIGNS AND DELIVER TO ASD MAINTENANCE.
2. SEE ELECTRICAL SHEETS FOR DEMOLITION OF ELECTRICAL ITEMS. RELOCATION OF GAS LINE WILL BE BY OTHERS.
3. SEE LANDSCAPE PLANS FOR PLAYGROUND EQUIPMENT DEMOLITION.
4. LIMITS OF CLEARING SHALL BE STAKED BY THE CONTRACTOR. AFTER THE SITE HAS BEEN STAKED AND FLAGGED FOR CLEARING LIMITS, THE LIMITS SHALL BE FIELD VERIFIED JOINTLY BY THE ASD PM, THE LANDSCAPE ARCHITECT AND THE CONTRACTOR. NO CLEARING SHALL BEGIN UNTIL FINAL WRITTEN APPROVAL OF THE CLEARING LIMITS IS GIVEN BY THE CONTRACTING OFFICER. WRITTEN APPROVAL FOR CLEARING WILL NOT BE PROVIDED IN ADVANCE OF JOINT FIELD VERIFICATION OF THE CLEARING LIMITS. CLEARING OF TREES SHALL BE KEPT TO A MINIMUM PRACTICAL AREA WITHIN THE APPROVED LIMITS. THE CONTRACTING OFFICER RESERVES THE RIGHT TO ADJUST CLEARING LIMITS BY UP TO EIGHT FEET TO SAVE TREES. THE CONTRACTING OFFICER MAY ELECT TO ALTER GRADES, OR ADJUST THE PLANS TO SAVE TREES.
5. LOCATION OF STORM DRAIN, SEWER, AND WATER LINES ARE BASED ON ASBUILT INFORMATION. CONTRACTOR SHALL VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION.
6. SEE STORM DRAIN PLAN FOR ADDITIONAL DEMOLITION.

PERMIT STAMP





KEY MAP
SCALE: 1"=250'



CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 677-3520
AECC3520-AK

STATE OF ALASKA
49TH
PAUL D. ABEL
CE-13581
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.	CITY GRID	WATER GRID	SEWER GRID
10417.00	SW2124	SW2124	SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED DEMOLITION PLAN

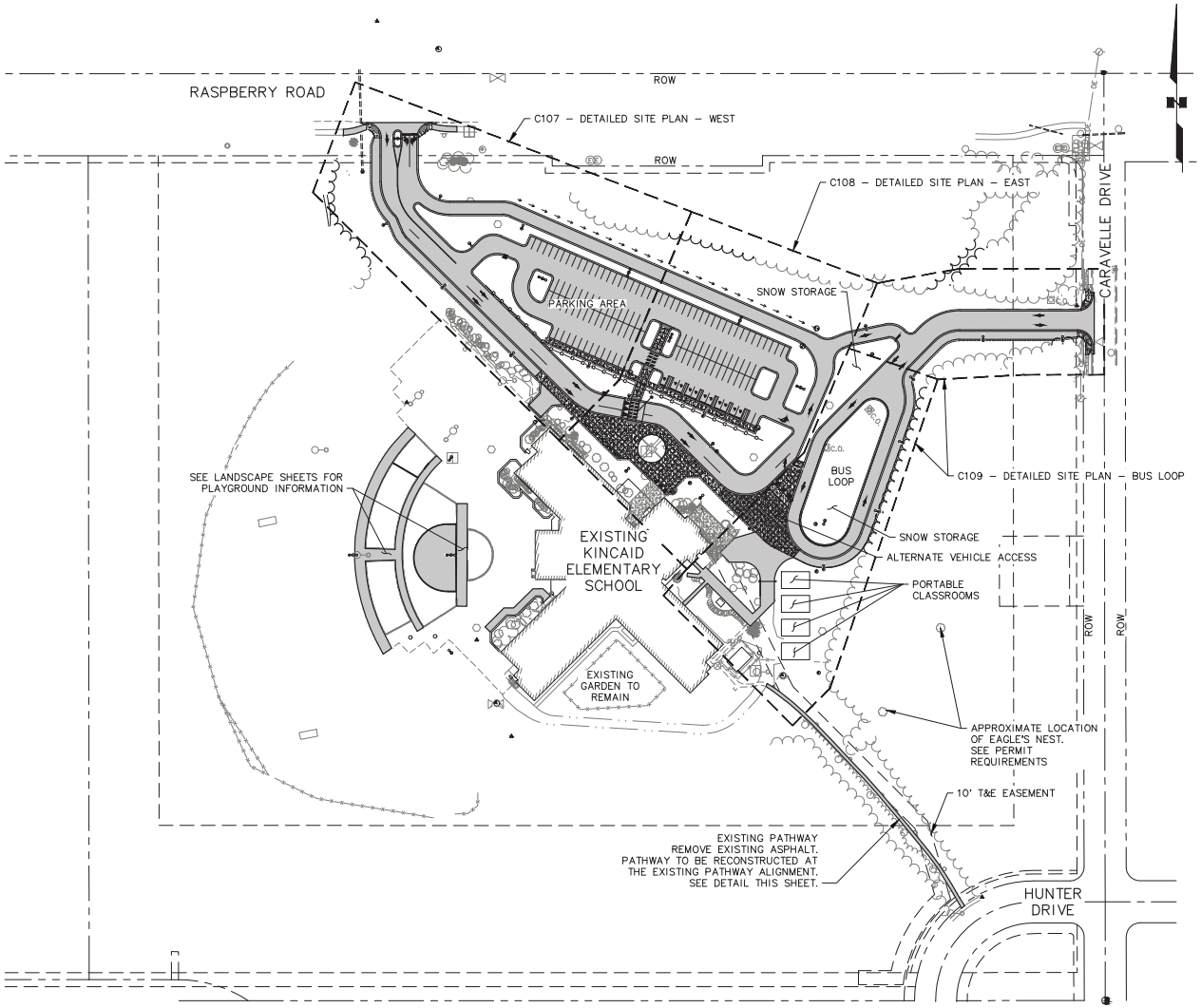
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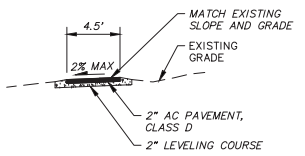
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REVISION			

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DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: RC
APPROVED BY: RC

SHEET NO.
C105

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A **PATHWAY SECTION**
SCALE: NTS

80' 0 80' 160'

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
pro@crweng.com

STATE OF ALASKA
99TH
ALEX D. ADAMS
12-10451
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
OVERALL SITE PLAN

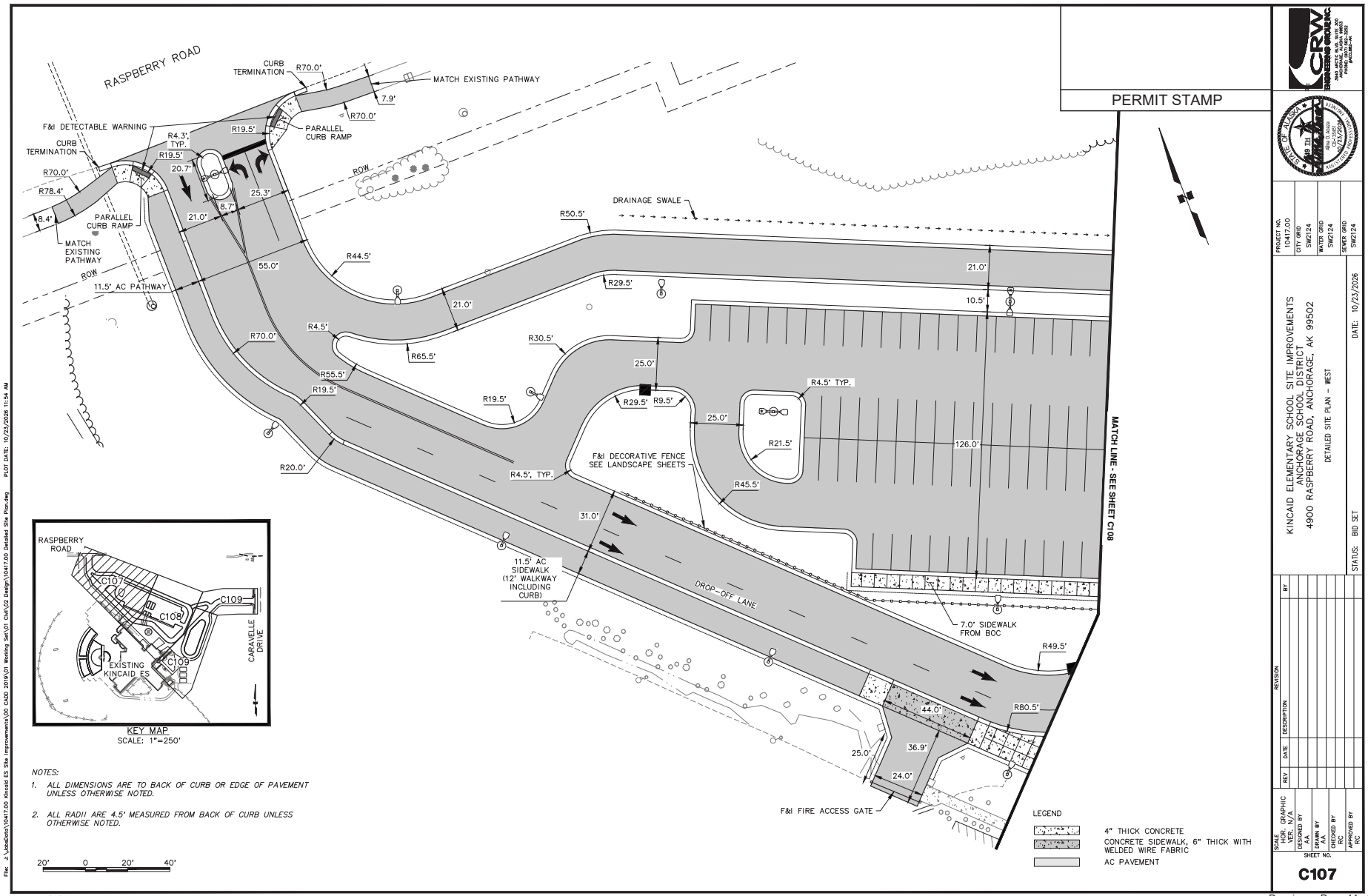
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STATUS: BID SET

REV	DATE	DESCRIPTION	BY

SCALE: HOR: GRAPHIC VERT: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C106

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Overall Site Plan.dwg PLOT DATE: 10/23/2026 11:54 AM



PERMIT STAMP

NOTES:

1. *ALL DIMENSIONS ARE TO BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.*
2. *ALL RADII ARE 4.5' MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED.*

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD, SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
FAX: (907) 562-1297

STATE OF ALASKA
JOHN D. ABBOTT
10/23/2026

PROJECT NO.	10417.00
CITY GRID	SW2124
WATER GRID	SW2124
SEWER GRID	SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED SITE PLAN - WEST

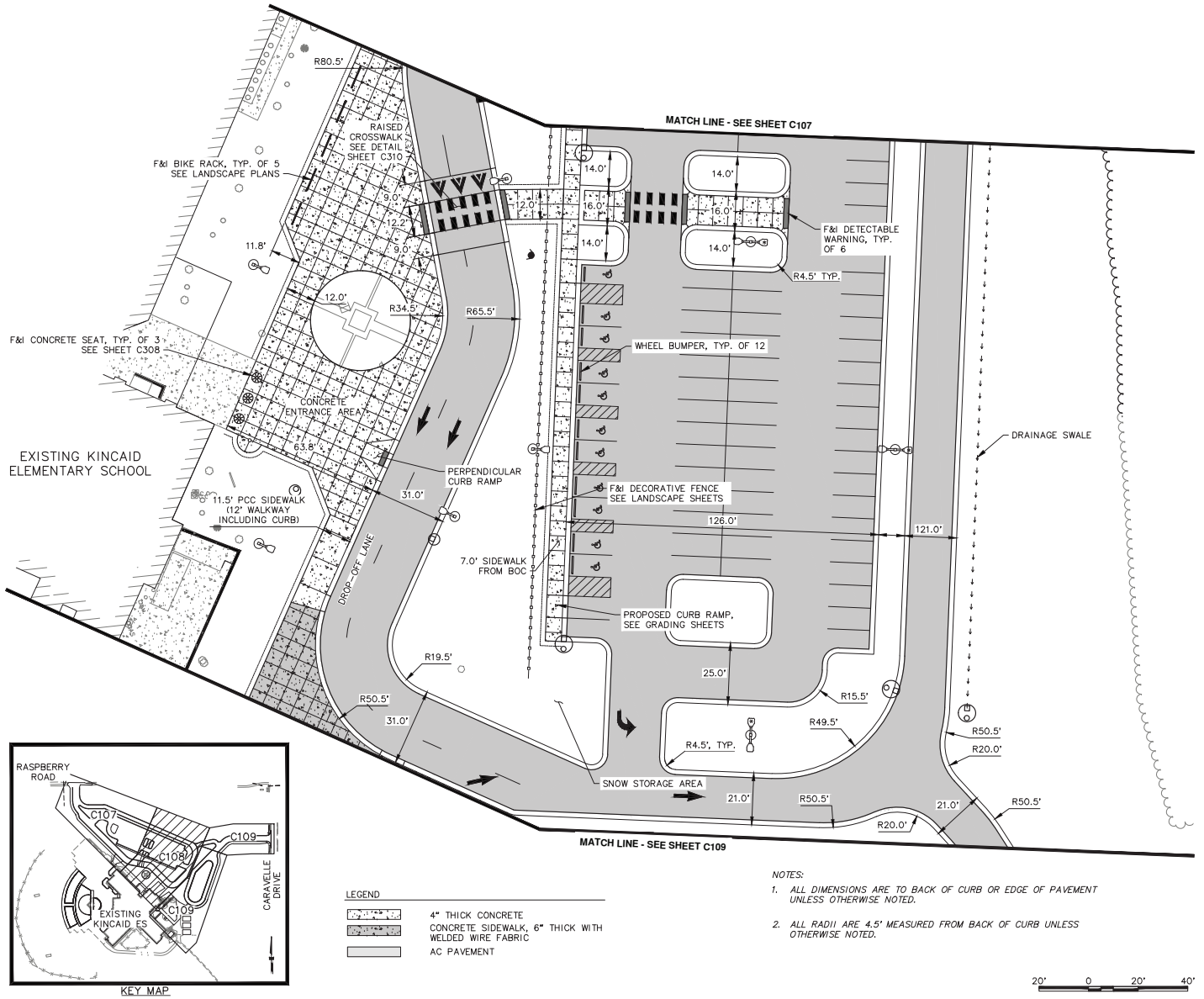
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STATUS: BID SET

REV.	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR. GRAPHIC VERT. N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C107

File: J:\Jobs\Civil\10417.00 Kincaid ES Site Improvements\00 CAD\ 2018\01 Working Set\01 Civil\02 Design\10417.00 Detailed Site Plan.dwg PLOT DATE: 10/23/2026 11:54 AM



KEY MAP
SCALE: 1"=250'

LEGEND

- 4" THICK CONCRETE
- CONCRETE SIDEWALK, 6" THICK WITH WELDED WIRE FABRIC
- AC PAVEMENT

NOTES:

1. ALL DIMENSIONS ARE TO BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL RADII ARE 4.5' MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED.

20' 0 20' 40'

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
pro@crweng.com

STATE OF ALASKA
99TH
ALEX D. ADAMS
12-19451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED SITE PLAN - EAST

DATE: 10/23/2026
STATUS: BID SET

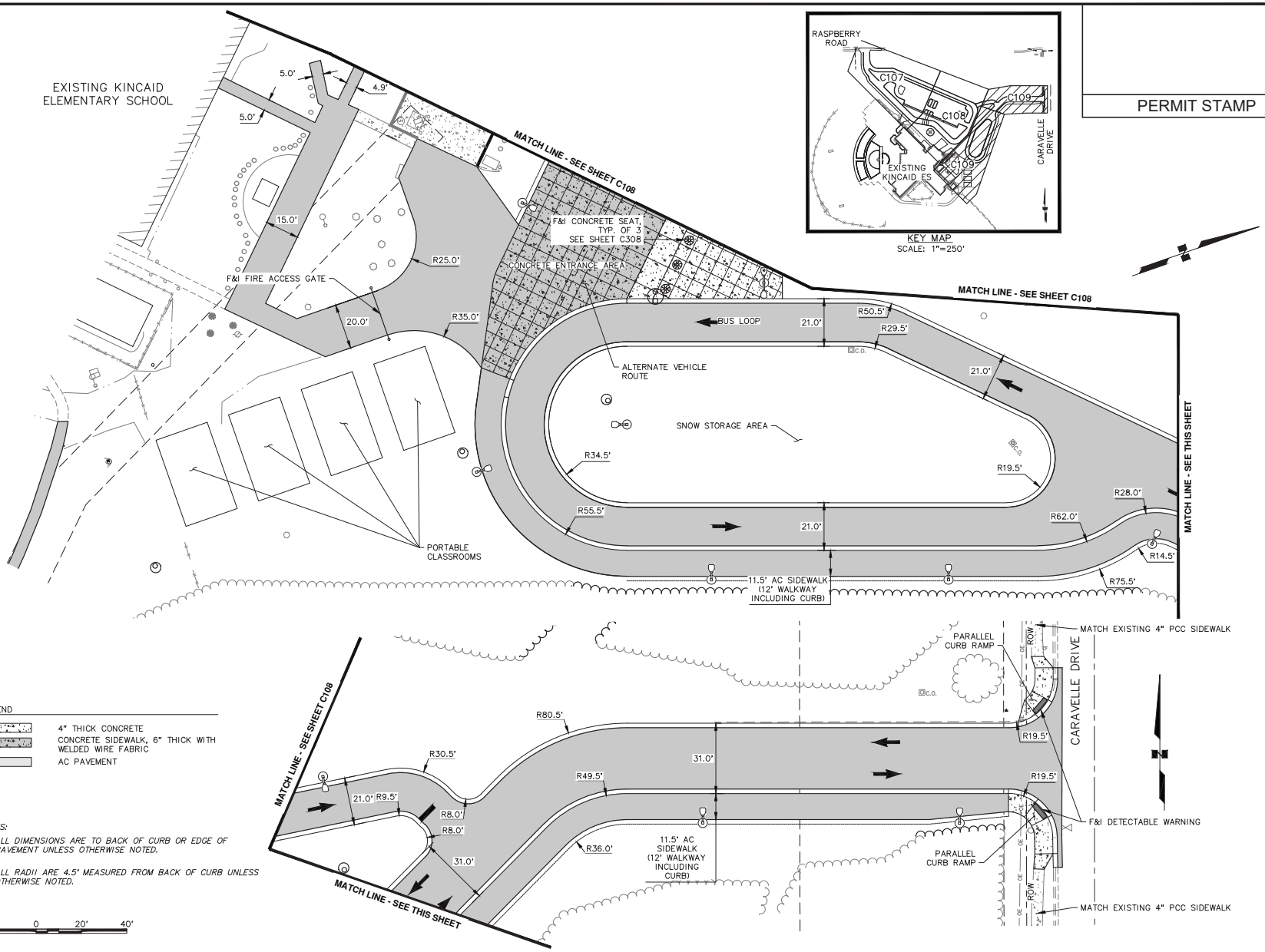
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REVISION

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY AA
APPROVED BY RC

SHEET NO.
C108

File: J:\JobData\10417.00 Kincaid ES Site Improvements\00 CAD\ 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Site Plan.dwg PLOT DATE: 10/23/2026 11:54 AM



PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
FAX: (907) 562-1297
info@crweng.com

THE STATE OF ALASKA
99 TH
ANN O. ANDO
CE-12451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED SITE PLAN – BUS LOOP

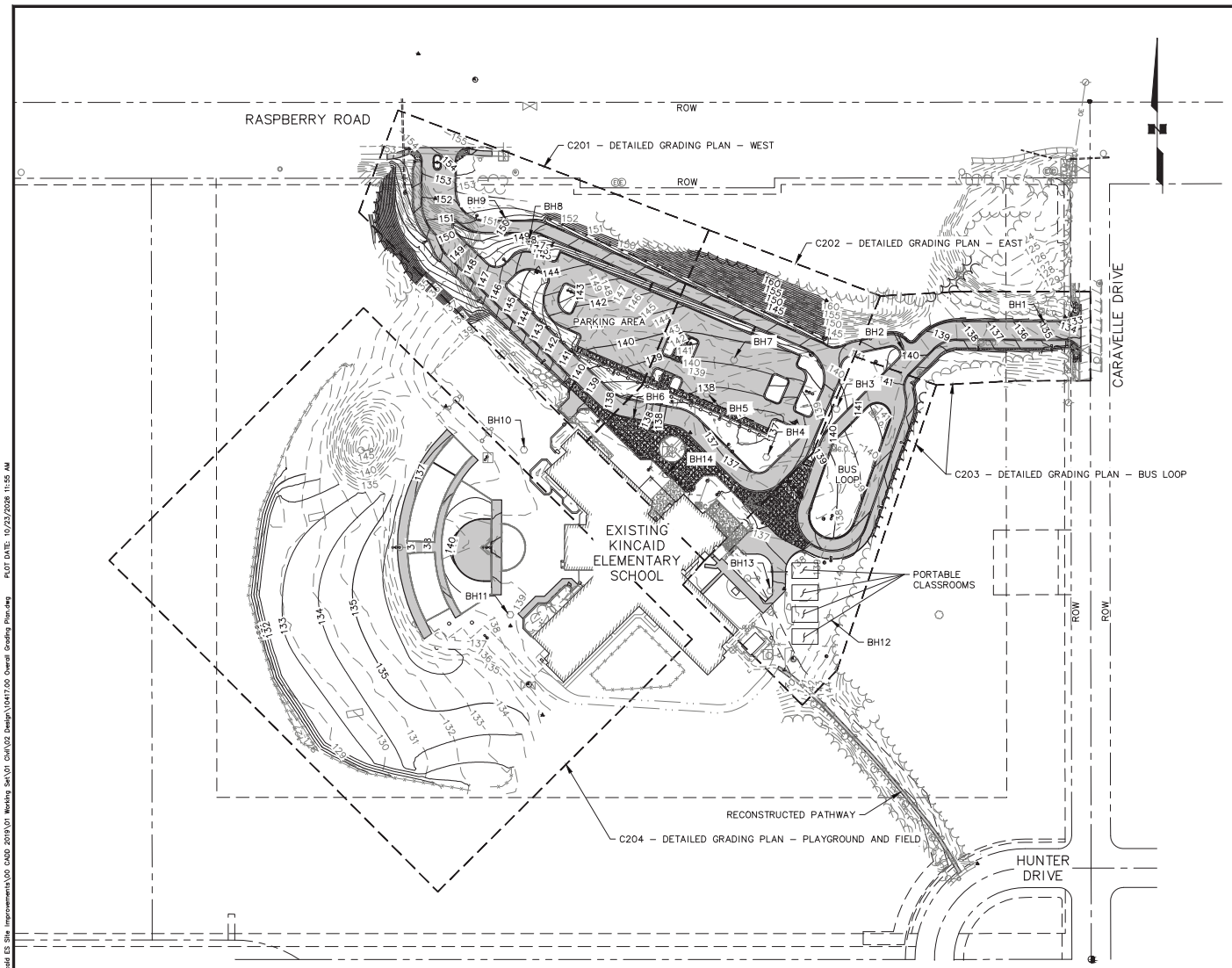
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STATUS: BID SET

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY
APPROVED BY RC

SHEET NO.
C109

Plot: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Site Plan.dwg PLOT DATE: 10/23/2026 11:54 AM



PERMIT STAMP

80' 0 80' 160'

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
OVERALL GRADING PLAN

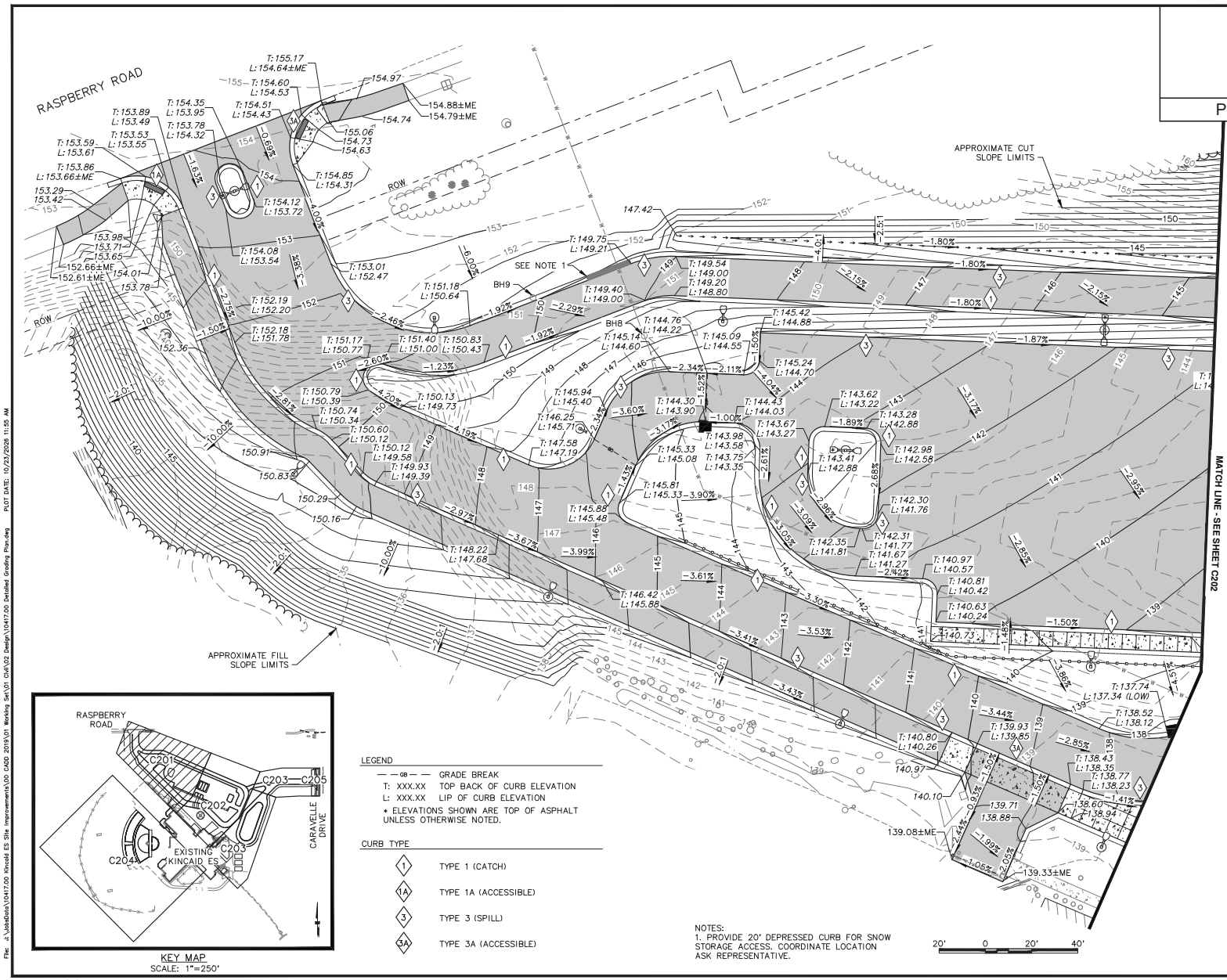
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	REVISION BY

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C200

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Overall Grading Plan.dwg PLOT DATE: 10/23/2026 11:55 AM



KEY MAP
SCALE: 1"=250'

LEGEND

— — GB — — GRADE BREAK
T: XXX.XX TOP BACK OF CURB ELEVATION
L: XXX.XX LIP OF CURB ELEVATION
* ELEVATIONS SHOWN ARE TOP OF ASPHALT UNLESS OTHERWISE NOTED.

CURB TYPE

1 TYPE 1 (CATCH)
1A TYPE 1A (ACCESSIBLE)
3 TYPE 3 (SPILL)
3A TYPE 3A (ACCESSIBLE)

NOTES:
1. PROVIDE 20' DEPRESSED CURB FOR SNOW STORAGE ACCESS. COORDINATE LOCATION ASK REPRESENTATIVE.

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
info@crweng.com

STATE OF ALASKA
99 TH
ANN O. ANDO
12-19451
REGISTERED ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED GRADING PLAN - WEST

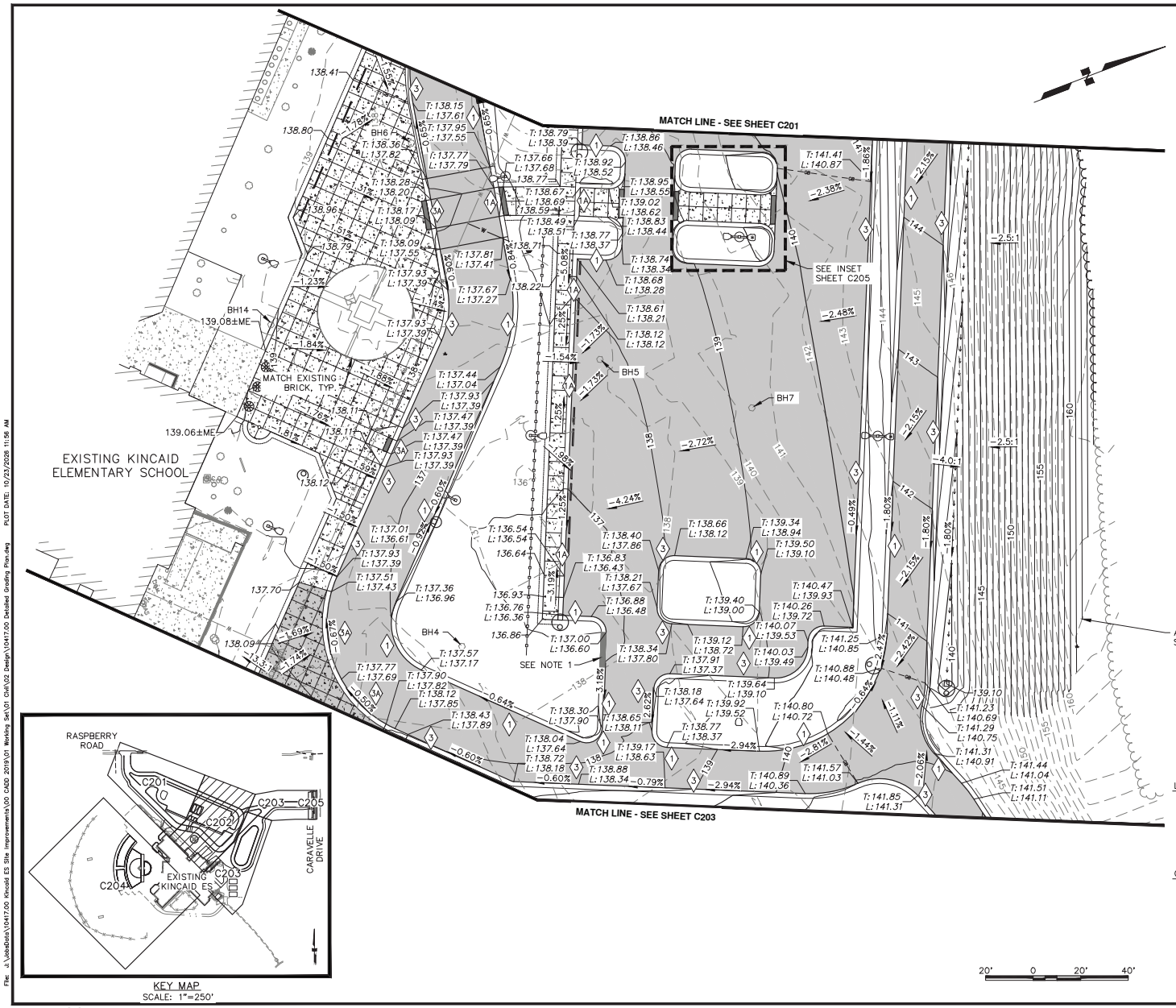
STATUS: BID SET
DATE: 10/23/2026

REV	DATE	DESCRIPTION	REVISION BY

SCALE HOR: GRAPHIC VERT: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C201

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Grading Plan.dwg PLOT DATE: 10/23/2026 11:55 AM



KEY MAP
SCALE: 1"=250'

20' 0 20' 40'

PERMIT STAMP

LEGEND

— — GB — — GRADE BREAK
T: XXX.XX TOP BACK OF CURB ELEVATION
L: XXX.XX LIP OF CURB ELEVATION
* ELEVATIONS SHOWN ARE TOP OF ASPHALT UNLESS OTHERWISE NOTED.

CURB TYPE

1 TYPE 1 (CATCH)
1A TYPE 1A (ACCESSIBLE)
3 TYPE 3 (SPILL)
3A TYPE 3A (ACCESSIBLE)

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
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STATE OF ALASKA
99 TH
ANCHORAGE
ALEX D. ANDIS
CR-13451
10/23/26
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED GRADING PLAN - EAST

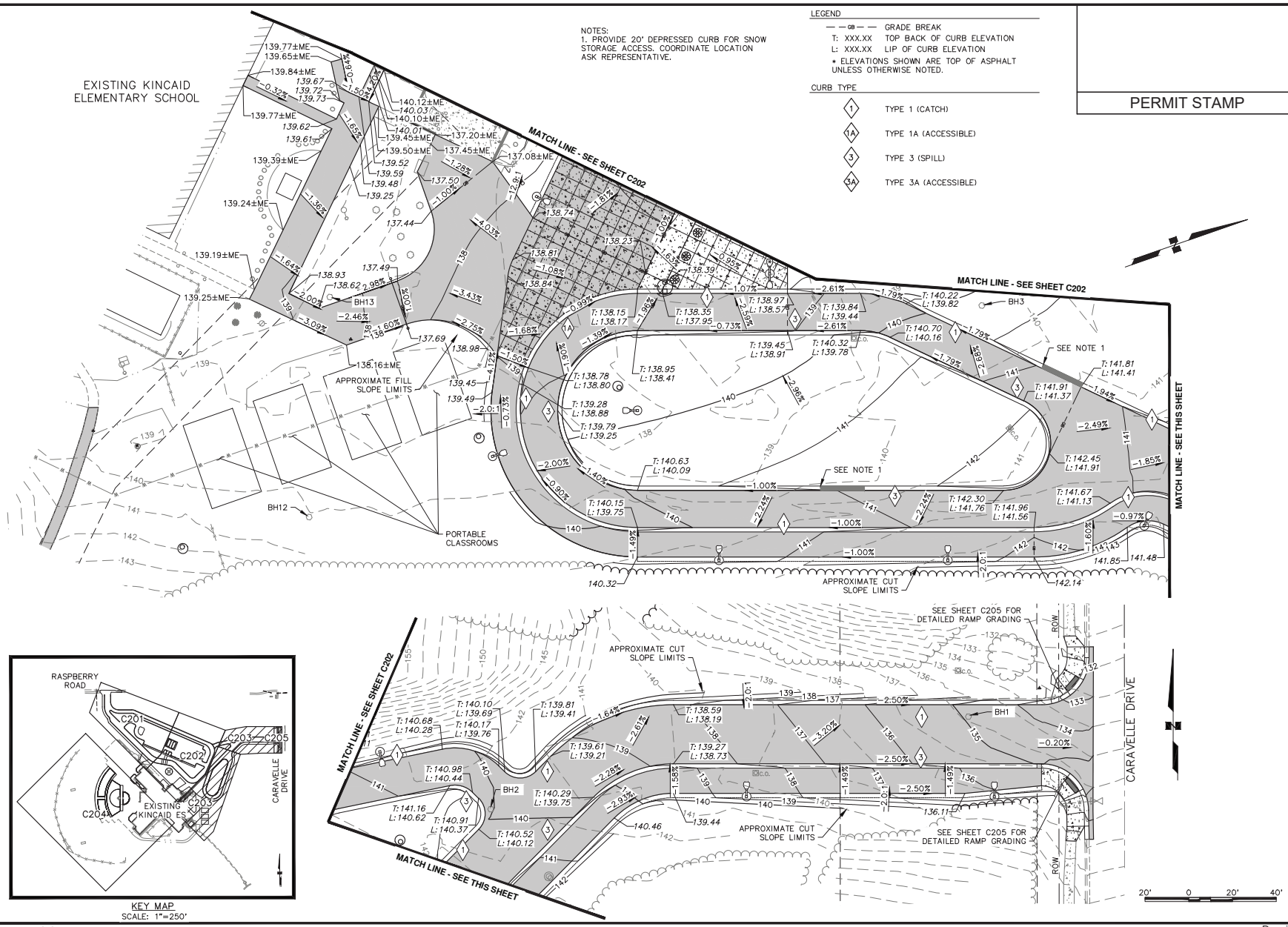
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	REVISION BY

SCALE: HOR: GRAPHIC VERT: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C202

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Grading Plan.dwg PLOT DATE: 10/23/2026 11:56 AM



PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
FAX: (907) 562-1238
www.crweng.com

STATE OF ALASKA
99TH
ANDREW ALTMAN
ANDREW D. ALTMAN
CERTIFICATE NUMBER
12-21045
EXPIRES: 12/31/2027

PROJECT NO.	10417.00
CITY GRID	SW2124
WATER GRID	SW2124
SEWER GRID	SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED GRADING PLAN – BUS LOOP

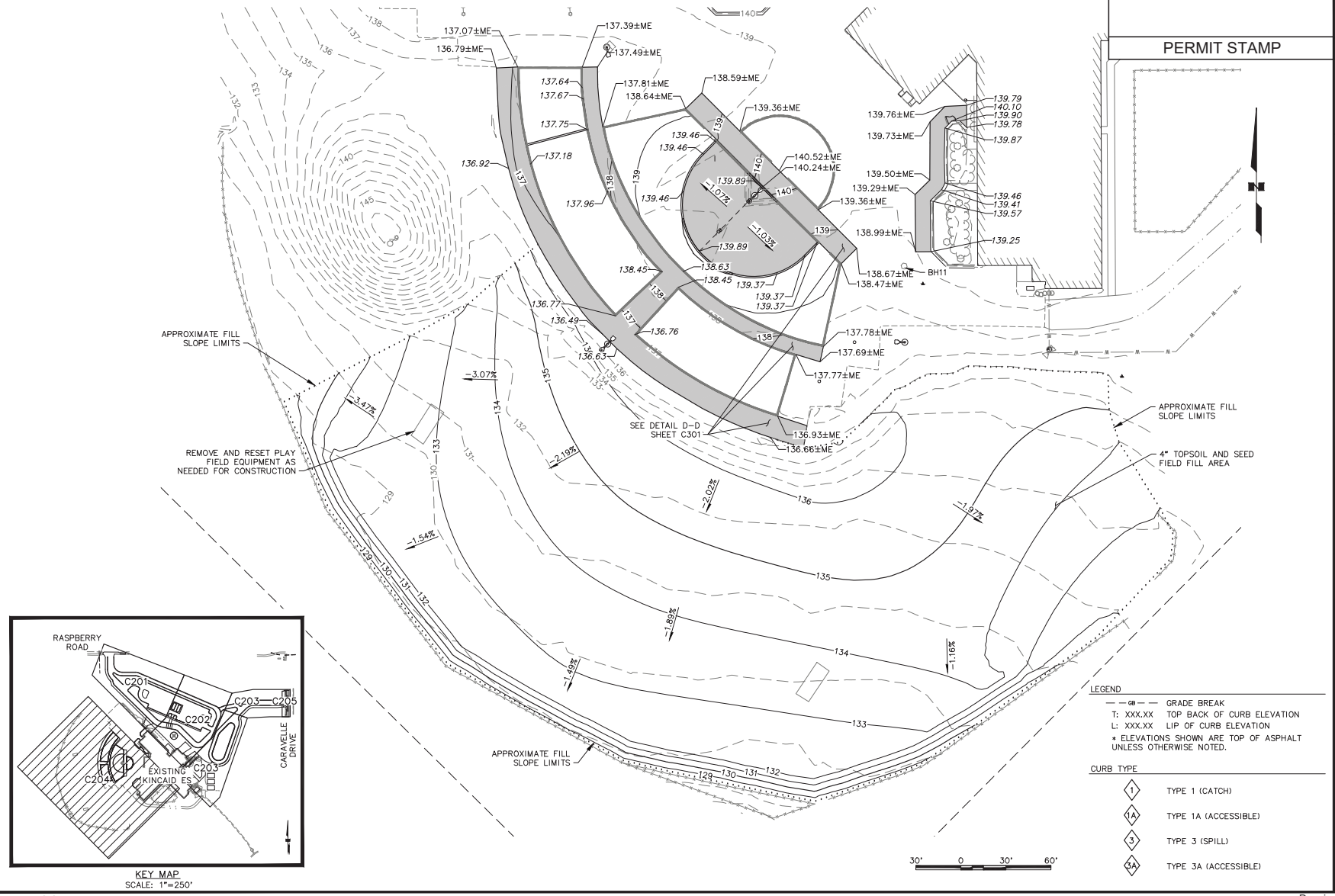
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	BY
		REVISION	

SCALE: HOR: 1"=20' VERT: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C203

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CAD\ 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Grading Plan.dwg PLOT DATE: 10/23/2026 11:56 AM



KEY MAP
SCALE: 1"=250'

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
FAX: (907) 562-1297
info@crweng.com

STATE OF ALASKA
99 TH
ALEXIS D. ANDIS
12-13451
REGISTERED ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
DETAILED GRADING PLAN - PLAYGROUND AND FIELD

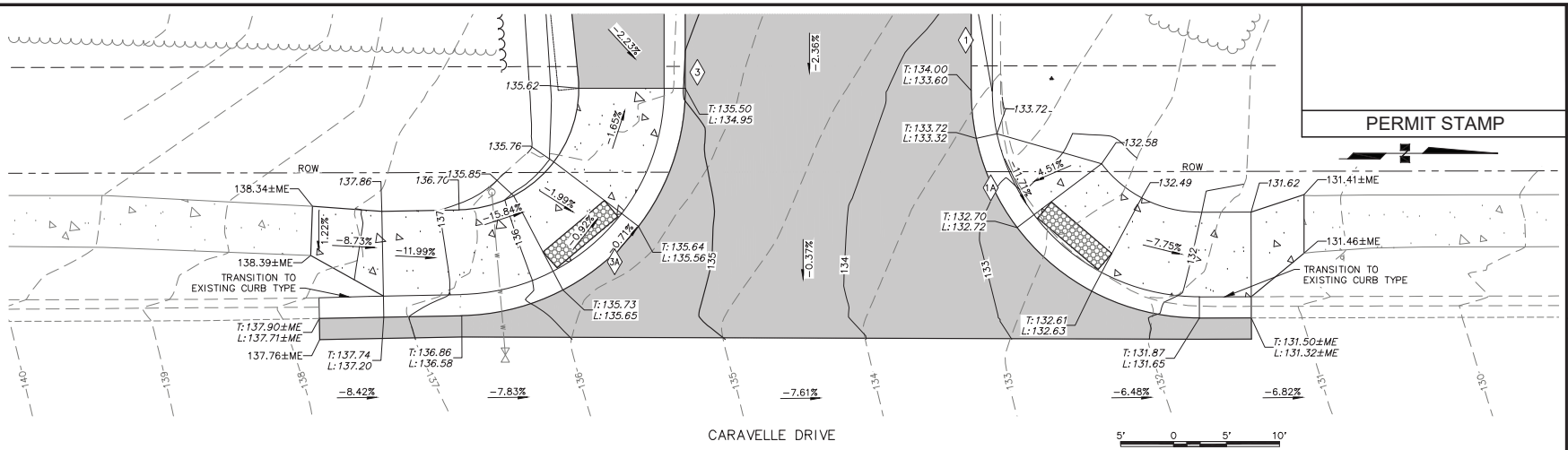
STATUS: BID SET
DATE: 10/23/2026

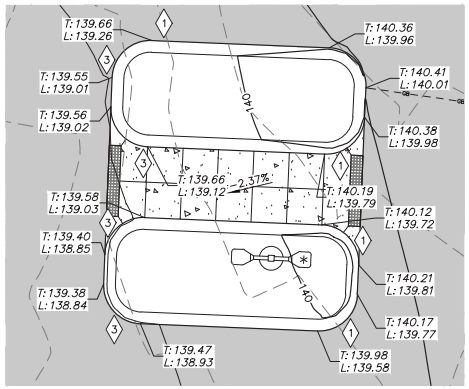
REV	DATE	DESCRIPTION	BY
		REVISION	

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C204

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Grading Plan.dwg PLOT DATE: 10/23/2026 11:56 AM

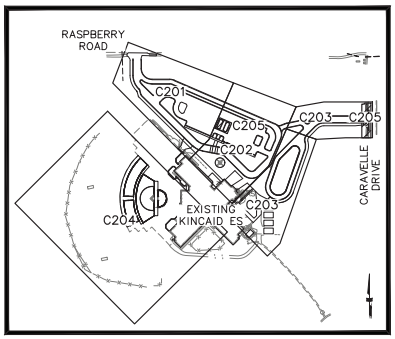




1 **INSET FROM SHEET C202**

SCALE: 1"=10'

10' 0 10' 20'



KEY MAP

SCALE: 1"=250'

LEGEND

— — GB — — GRADE BREAK

T: XXX.XX TOP BACK OF CURB ELEVATION

L: XXX.XX LIP OF CURB ELEVATION

* ELEVATIONS SHOWN ARE TOP OF ASPHALT UNLESS OTHERWISE NOTED.

CURB TYPE

1 TYPE 1 (CATCH)

1A TYPE 1A (ACCESSIBLE)

3 TYPE 3 (SPILL)

3A TYPE 3A (ACCESSIBLE)

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
pro@crweng.com

STATE OF ALASKA
99 TH
ANTHONY D. ANDRES
12-21451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
GRADING DETAILS

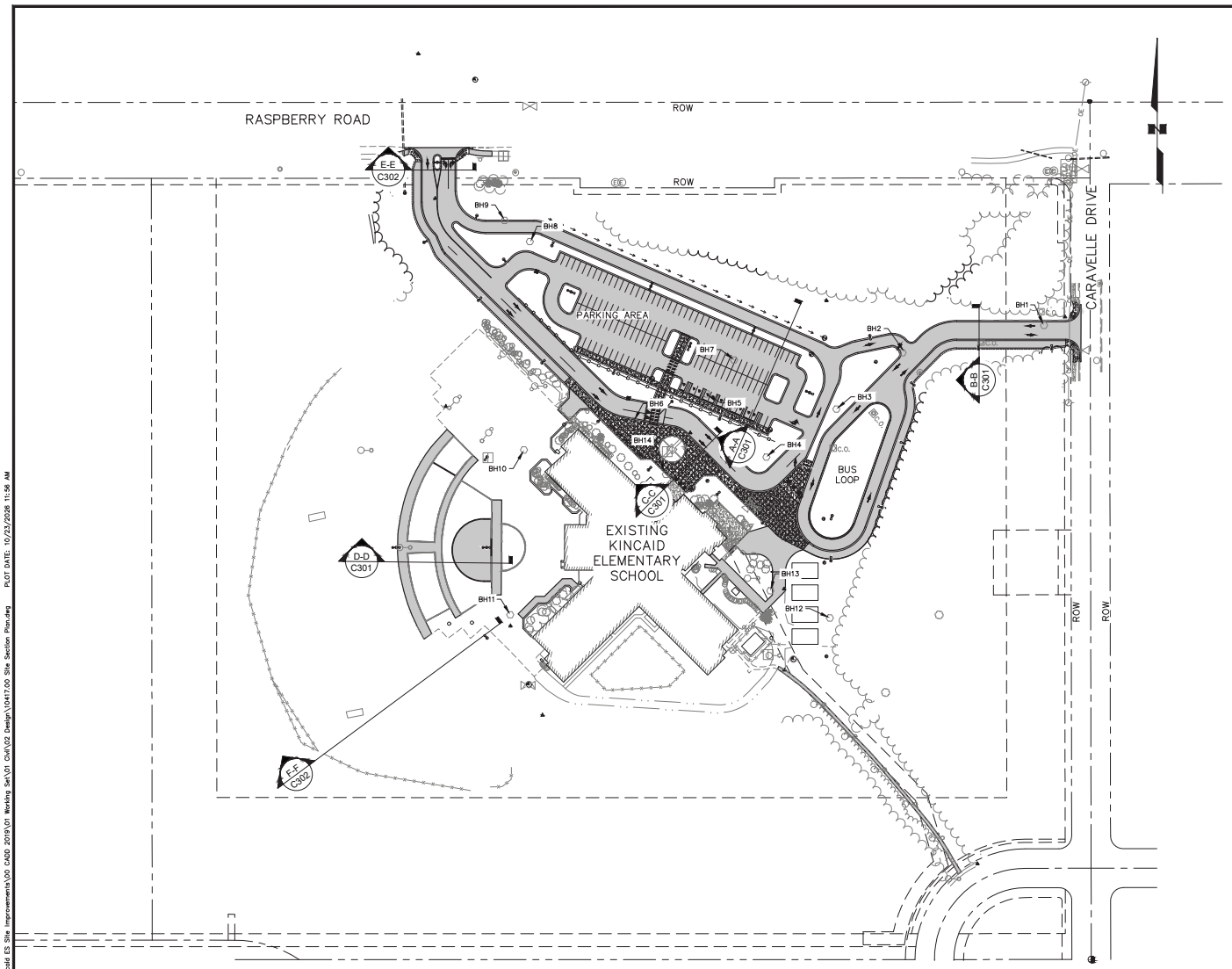
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	REVISION	BY

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C205

File: J:\JobsData\10417.00 Kincaid ES Site improvements\00 CAD\ 2019\01 Working Set\01 Civil\02 Design\10417.00 Detailed Grading Plan.dwg PLOT DATE: 10/23/2026 11:56 AM



PERMIT STAMP

80' 0 80' 160'

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
FAX: (907) 562-1297
info@crweng.com

STATE OF ALASKA
99TH
ALEXANDER C. ATKINSON
CE-12451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SITE SECTION PLAN

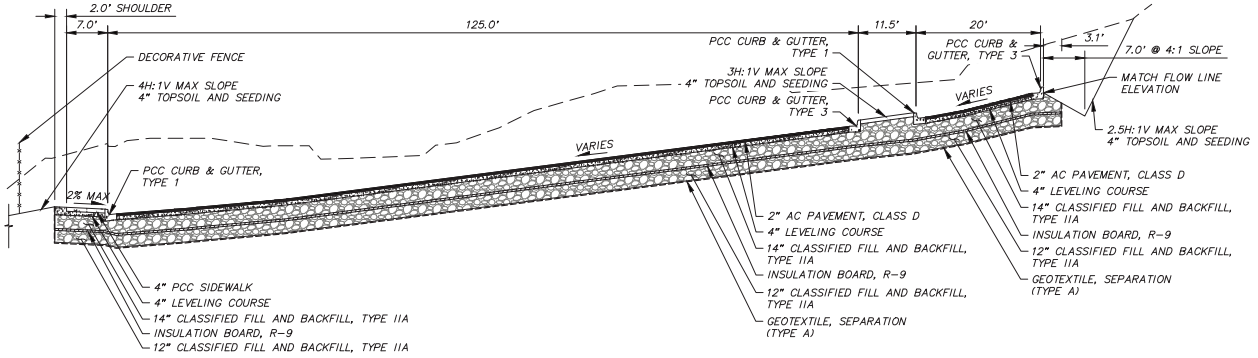
STATUS: BID SET
DATE: 10/23/2026

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

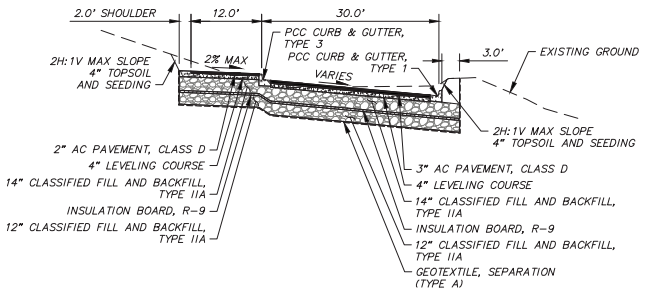
SHEET NO.
C300

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Site Section Plan.dwg PLOT DATE: 10/23/2026 11:56 AM

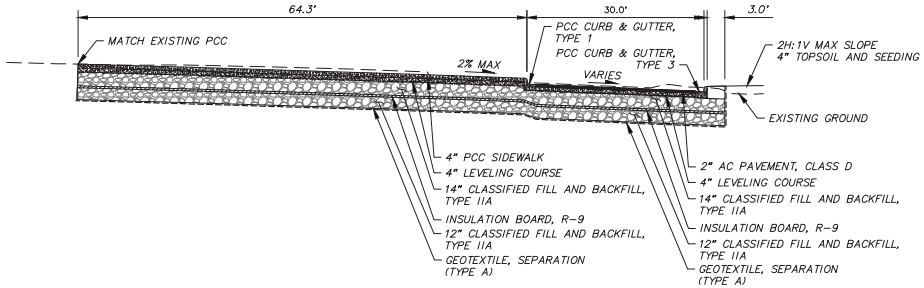


NOTES:
1. WHERE PARKING LOT SLOPE IS SHOWN AS "VARIES", SLOPE RANGE IS BETWEEN 0.5%-5%

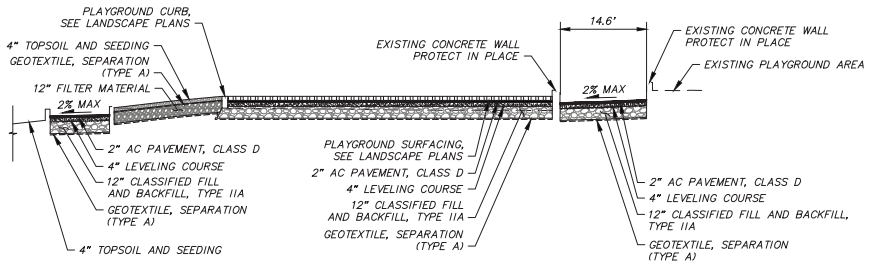
A-A TYPICAL PARKING LOT SECTION
SCALE: NTS



B-B TYPICAL BUS LOOP SECTION
SCALE: NTS



C-C TYPICAL DROP-OFF LOOP SECTION
SCALE: NTS



D-D TYPICAL PLAYGROUND SIDEWALK SECTION
SCALE: NTS

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
FAX: (907) 562-1297
info@crweng.com

STATE OF ALASKA 99TH
ANN O. ADAMS
AA-15451
EXPIRES: 12/31/2027
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SITE SECTIONS

DATE: 10/23/2026
STATUS: BID SET

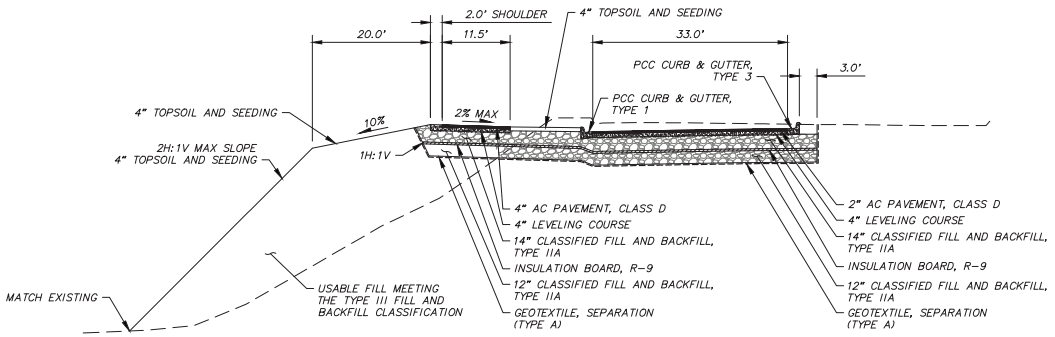
REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR: GRAPHIC VERT: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

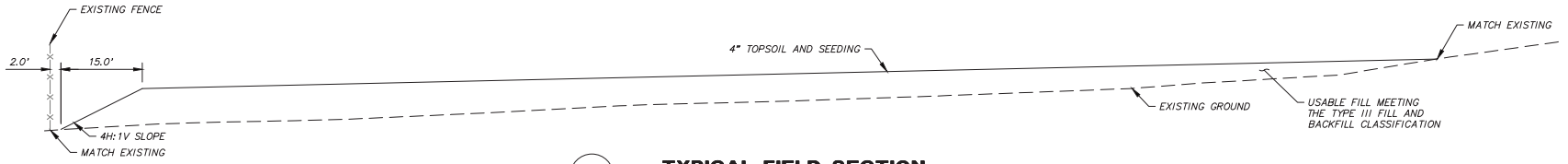
SHEET NO.
C301

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CAD\ 2019\01 Working Set\01 Civil\02 Design\10417.00 Sections.dwg PLOT DATE: 10/23/2026 11:57 AM

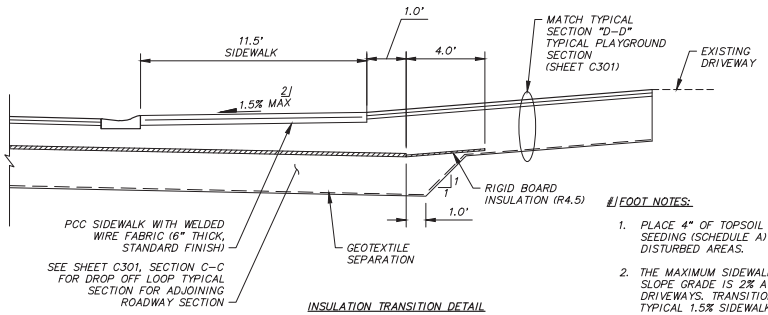
PERMIT STAMP



E–E **TYPICAL RASPBERRY DRIVEWAY SECTION**
SCALE: NTS



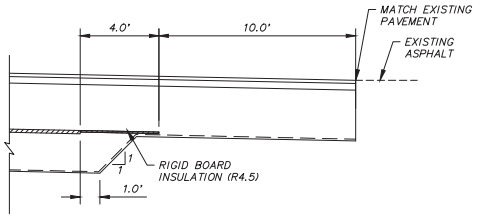
F–F **TYPICAL FIELD SECTION**
SCALE: NTS



#/FOOT NOTES:

1. PLACE 4" OF TOPSOIL AND SEEDING (SCHEDULE A) ON ALL DISTURBED AREAS.
2. THE MAXIMUM SIDEWALK CROSS SLOPE GRADE IS 2% AT DRIVEWAYS. TRANSITION FROM TYPICAL 1.5% SIDEWALK CROSS SLOPE OVER 5 FEET.

G–G **TYPICAL SECTION 'H' DRIVEWAY CONNECTION SECTION**
SCALE: NTS



H–H **DRIVEWAY TO ROADWAY INSULATION TRANSITION**
SCALE: NTS

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FAX: (907) 562-1297
info@crweng.com

STATE OF ALASKA — 99TH — ALEX D. ABBOTT — 12-17451 — REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SITE SECTIONS

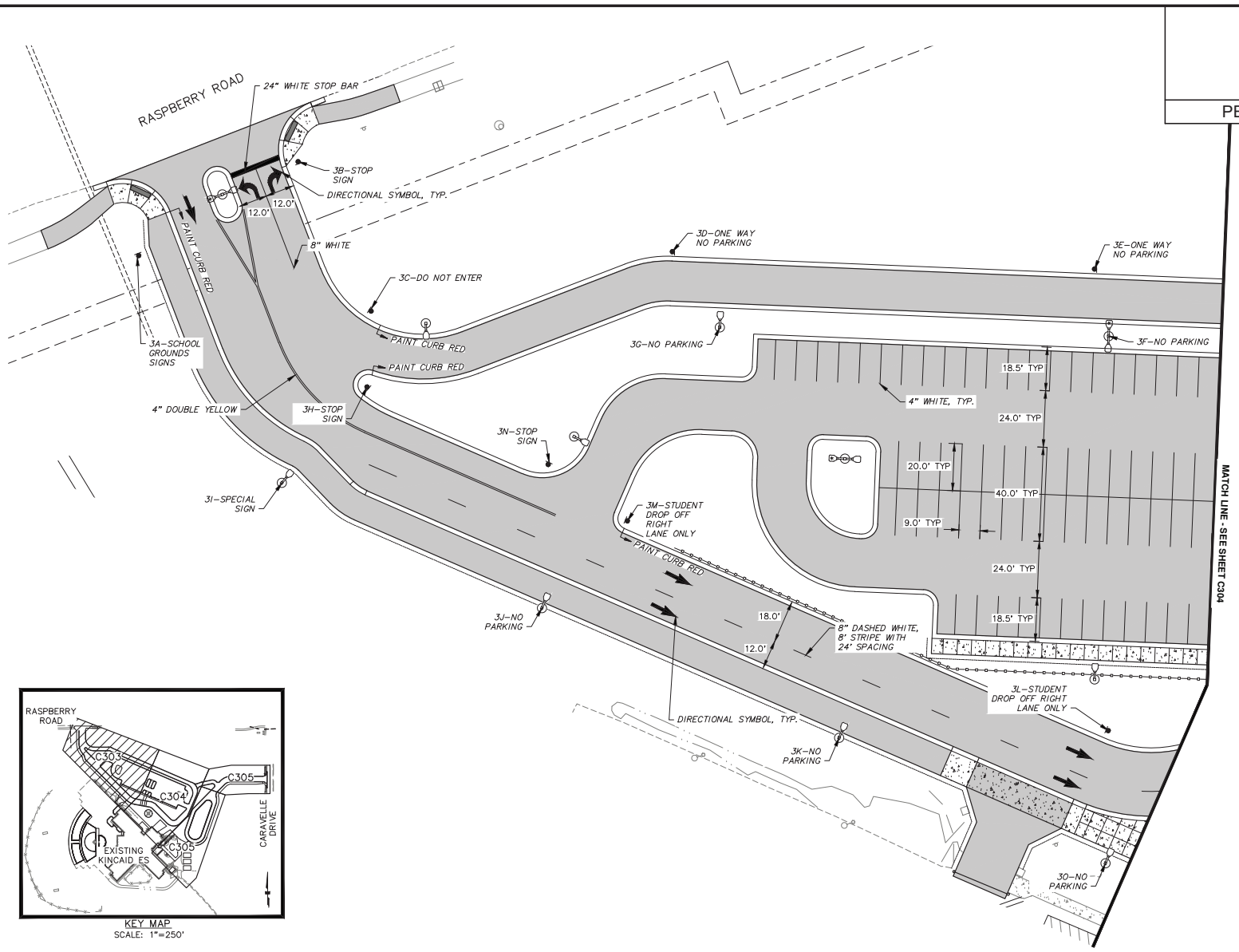
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR: GRAPHIC VERT: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
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SHEET NO.
C302

File: J:\JobData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Sections.dwg PLOT DATE: 10/23/2026 11:57 AM



KEY MAP
SCALE: 1"=250'

20' 0 20' 40'

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
pmc@crweng.com

STATE OF ALASKA
99TH
Alex O. Aldaz
12-19451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SIGNING AND STRIPING PLAN – WEST

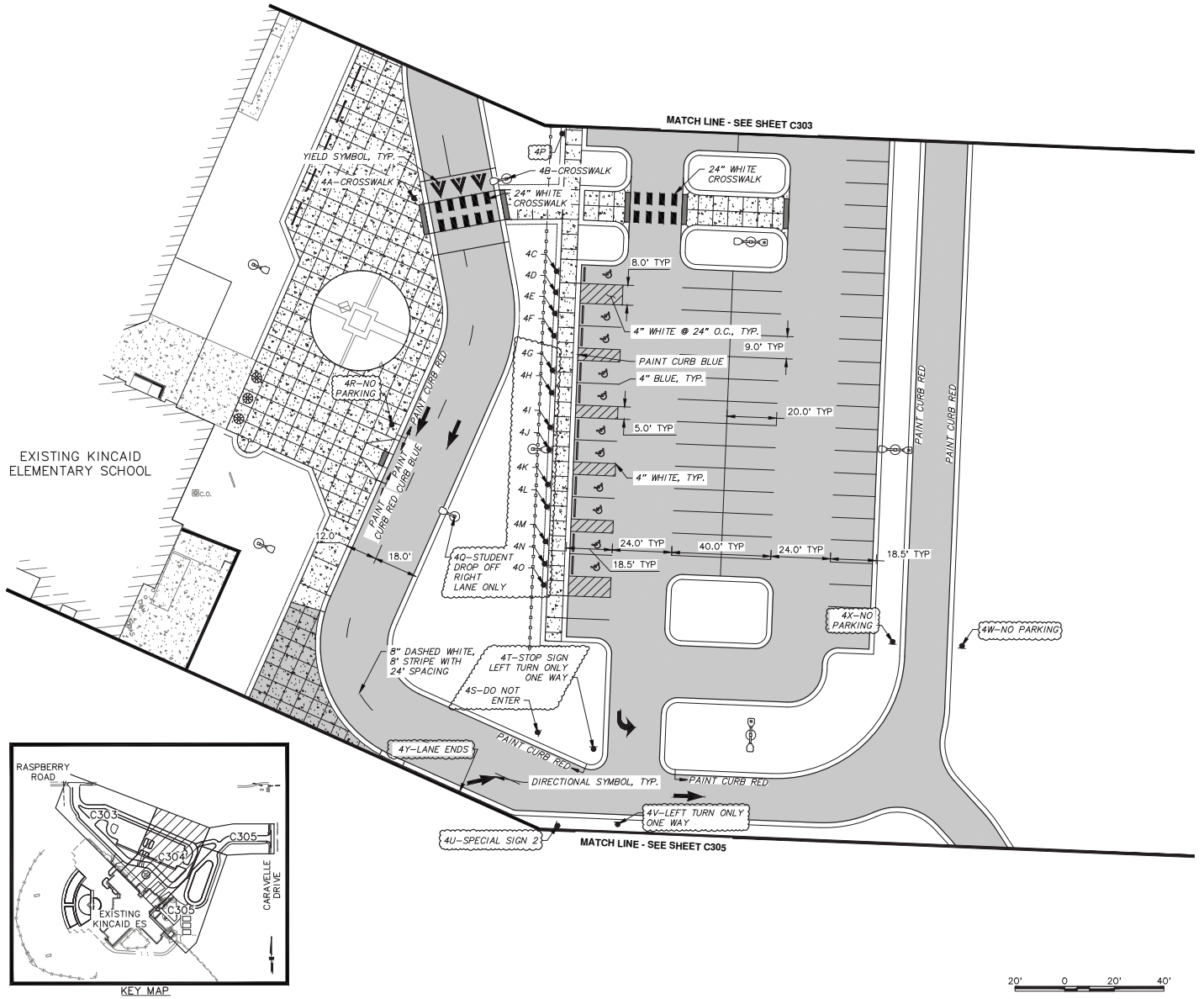
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	BY
		REVISION	

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C303

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Signing And Striping Plan.dwg PLOT DATE: 10/23/2026 11:57 AM



KEY MAP
SCALE: 1"=250'

PERMIT STAMP

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
pro@crweng.com

STATE OF ALASKA
99TH
Alexis O. Alaska
12-12345
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SIGNING AND STRIPING PLAN – EAST

DATE: 10/23/2026
STATUS: BID SET

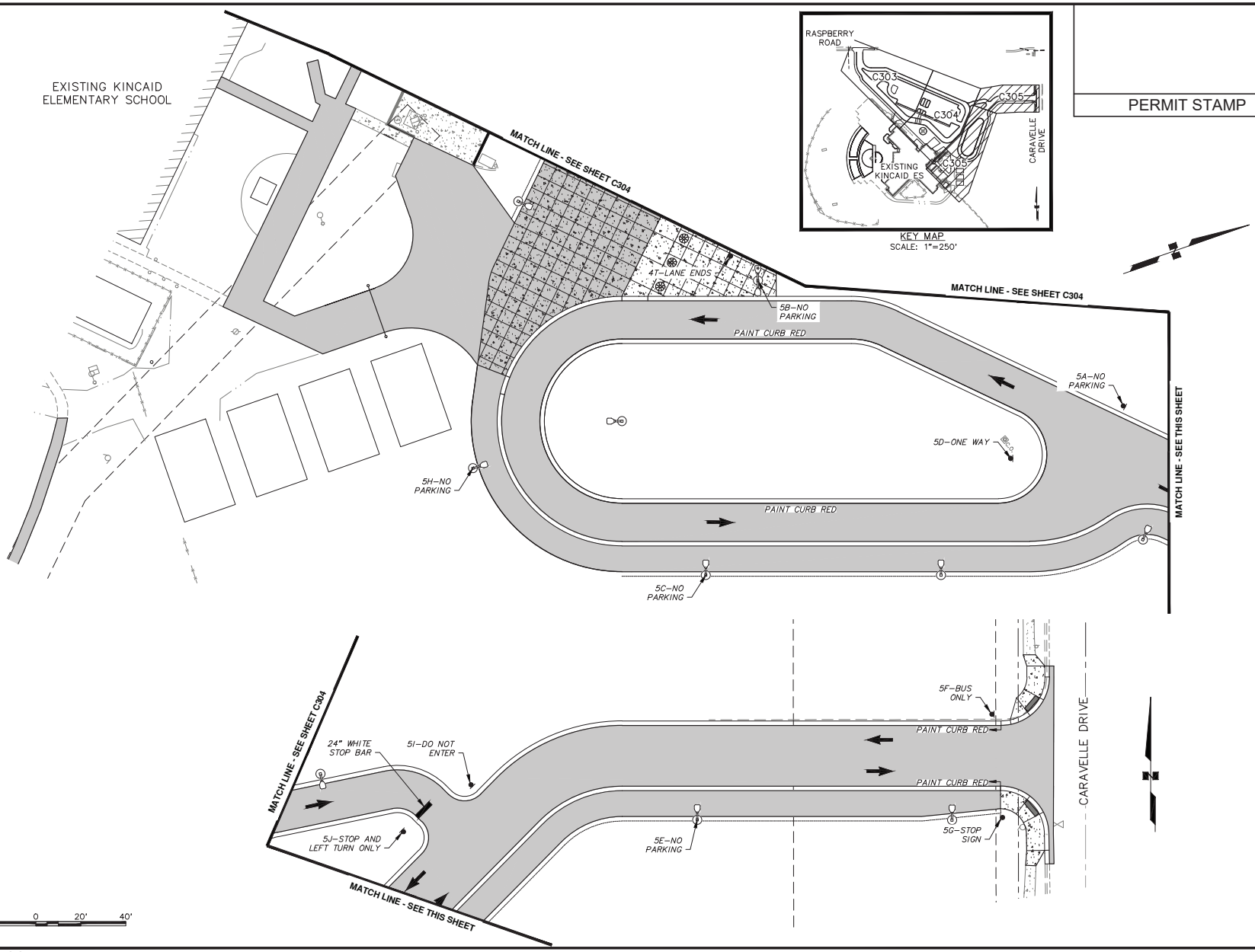
REV	DATE	DESCRIPTION	BY
1	01/26	MOA COMMENTS	JM

REVISION

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C304

File: J:\JobData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Signing And Striping Plan.dwg PLOT DATE: 10/23/2026 11:57 AM



KEY MAP
SCALE: 1"=250'

PERMIT STAMP

CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD., SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 562-3252
FAX: (907) 562-1297
pmail@crweng.com

STATE OF ALASKA
99TH
ALEX D. ADAMS
CE-10451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SIGNING AND STRIPING PLAN - BUS LOOP

DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR: GRAPHIC VER: N/A
DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C305

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Signing And Striping Plan.dwg PLOT DATE: 10/23/2026 11:58 AM

SIGN SCHEDULE SUMMARY

SHEET NO.	POST NO.	NORTHING	EASTING	TYPE	LEGEND	WIDTH (INCHES)	HEIGHT (INCHES)	AREA (SF)	SIGN FACES	SIGN POST	COMMENTS
C303	3A	318,904.02	332,881.33	SP-5	SCHOOL GROUNDS CLOSED 11 PM TO 6 AM DAILY	24	18	3.00	N	2.5" SQ.	
				SP-8	NOTICE THIS FACILITY MAY BE PROTECTED BY VIDEO	12	18	1.50	N		
	3B	318,916.98	332,958.82	R1-1	STOP	30	30	6.25	S	2.5" SQ.	
				SP-5	SCHOOL GROUNDS CLOSED 11 PM TO 6 AM DAILY	24	18	3.00	N		
				SP-8	NOTICE THIS FACILITY MAY BE PROTECTED BY VIDEO	12	18	1.50	N		
	3C	318,846.65	332,965.02	R5-1	DO NOT ENTER	30	30	6.25	NW		MOUNT ON LIGHT POLE
				R6-1R/L	ONE WAY	36	12	3.00	NE/SW		2 SIGNS BACK TO BACK
	3D	318,824.25	333,093.50	R6-1R	ONE WAY	36	12	3.00	E	2" SQ.	
				R7P-115	NO PARKING FIRE LANE	12	18	1.50	E		
	3E	318,753.09	333,258.20	R6-1R	ONE WAY	36	12	3.00	E	2" SQ.	
				R7P-115	NO PARKING FIRE LANE	12	18	1.50	E		
	3F	318,724.32	333,253.58	R7P-115	NO PARKING FIRE LANE	12	18	1.50	E		MOUNT ON LIGHT POLE
	3G	318,787.02	333,100.76	R7P-115	NO PARKING FIRE LANE	12	18	1.50	E	2" SQ.	MOUNT ON LIGHT POLE
	3H	318,817.16	332,951.83	R1-1	STOP	30	30	6.25	S	2.5" SQ.	
				R5-1	DO NOT ENTER	30	30	6.25	N		
				R6-1R/L	ONE WAY	36	12	3.00	E/W		2 SIGNS BACK TO BACK
	3I	318,792.08	332,903.42	SPECIAL-1	SEE SPECIAL PROVISIONS	48	36	12.00	N		MOUNT ON LIGHT POLE
	3J	318,702.84	332,987.46	R7P-115	NO PARKING FIRE LANE	12	18	1.50	N		MOUNT ON LIGHT POLE
	3K	318,606.16	333,085.55	R7P-115	NO PARKING FIRE LANE	12	18	1.50	N		MOUNT ON LIGHT POLE
				R2-1	SPEED LIMIT 5 MPH	12	18	1.50	N		
	3L	318,568.03	333,193.36	SP-2	STUDENT DROP OFF RIGHT LANE ONLY	24	24	4.00	N	2" SQ.	
				SP-1	NO STOPPING LEFT LANE	12	18	1.50	N		
	3M	318,724.41	333,034.67	SP-2	STUDENT DROP OFF RIGHT LANE ONLY	24	24	4.00	N	2" SQ.	
				SP-1	NO STOPPING LEFT LANE	12	18	1.50	N		
	3N	318,758.83	333,011.85	R1-1	STOP	30	30	6.25	E	2.5" SQ	
	3O	318,515.83	333,172.01	R7P-115	NO PARKING FIRE LANE	12	18	1.50	N		MOUNT ON LIGHT POLE
C304	4A	318,511.21	333,247.91	W11-2	PEDESTRIAN CROSSING	30	30	6.25	W	2.5" SQ.	
	4B	318,548.87	333,253.95	W11-2	PEDESTRIAN CROSSING	30	30	6.25	W		MOUNT ON LIGHT POLE
	4C	318,554.32	333,295.94	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
				R7-8A	VAN ACCESSIBLE	12	6	0.50	N		
	4D	318,550.95	333,303.74	R7P-101	NO PARKING ANY TIME	12	18	1.50	N	2" SQ.	
	4E	318,547.58	333,311.55	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
				R7-8A	VAN ACCESSIBLE	12	6	0.50	N		
	4F	318,544.01	333,319.81	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
	4G	318,538.46	333,332.66	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
	4H	318,534.89	333,340.92	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
	4I	318,529.34	333,353.77	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
	4J	318,525.77	333,362.03	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		

SIGN SCHEDULE SUMMARY

SHEET NO.	POST NO.	NORTHING	EASTING	TYPE	LEGEND	WIDTH (INCHES)	HEIGHT (INCHES)	AREA (SF)	SIGN FACES	SIGN POST	COMMENTS
C304	4K	318,520.21	333,374.89	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
	4L	318,516.64	333,383.15	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
	4M	318,511.09	333,396.00	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
	4N	318,507.52	333,404.26	R7-201A	TOW AWAY	12	6	0.50	N	2" SQ.	
				R7-8	HANDICAP SIGN	12	18	1.50	N		
				R7-8A	VAN ACCESSIBLE	12	6	0.50	N		
	4O	318,504.15	333,412.06	R7P-101	NO PARKING ANY TIME	12	18	1.50	N	2" SQ.	
	4P	318,576.34	333,244.99	SP-9	EMPLOYEE OF THE MONTH	12	18	1.50	N	2" SQ.	REUSE EXISTING SIGN
	4Q	318,480.52	333,373.50	SP-2	STUDENT DROP OFF RIGHT LANE ONLY	24	24	4.00	W	2" SQ	MOUNT ON LIGHT POLE
				SP-1	NO STOPPING LEFT LANE	12	18	1.50	W		
	4R	318,470.13	333,329.91	R7P-115	NO PARKING FIRE LANE	12	18	1.50	W	2" SQ.	
				SP-6	ADA LOADING ZONE	12	18	1.50	W		
				R2-1	SPEED LIMIT 5 MPH	12	18	1.50	W		
	4S	318,480.55	333,466.63	R5-1	DO NOT ENTER	30	30	6.25	NE	2" SQ.	
	4T	318,499.16	333,481.01	R1-1	STOP	30	30	6.25	W	2.5" SQ.	
				R3-5	LEFT TURN ONLY	30	36	7.50	W	2" SQ	
				R6-1L	ONE WAY	36	12	3.00	W		
	4U	318,474.59	333,504.62	SPECIAL-2	SEE SPECIAL PROVISIONS	42	24	7.00	N	2.5" SQ.	
	4V	318,497.38	333,512.83	R3-5	LEFT TURN ONLY	30	36	7.50	W	2.5" SQ.	
				R6-1L	ONE WAY	36	12	3.00	W		
	4W	318,652.70	333,495.45	R7P-115	NO PARKING FIRE LANE	12	18	1.50	E	2" SQ.	
	4X	318,627.19	333,483.90	R7P-115	NO PARKING FIRE LANE	12	18	1.50	E	2" SQ.	
	4Y	318,440.33	333,479.92	W9-2L	LANE ENDS MERGE LEFT	30	30	6.25	E	2" SQ.	
C305	5A	318,583.29	333,600.44	R7P-115	NO PARKING FIRE LANE	12	18	1.50	NE	2" SQ.	
	5B	318,448.22	333,494.26	R7P-115	NO PARKING FIRE LANE	12	18	1.50	N	2" SQ.	
	5C	318,383.18	333,610.31	R7P-115	NO PARKING FIRE LANE	12	18	1.50	W		MOUNT ON LIGHT POLE
	5D	318,528.28	333,605.95	R6-1R	ONE WAY	36	12	3.00	NE	2" SQ.	
	5E	318,627.75	333,759.03	R7P-115	NO PARKING FIRE LANE	12	18	1.50	W		MOUNT ON LIGHT POLE
	5F	318,674.75	333,890.10	SP-7	BUSES AND STAFF ONLY	24	24	4.00	E	2.5" SQ.	
				SP-5	SCHOOL GROUNDS CLOSED 11 PM TO 6 AM DAILY	24	18	3.00	E		
				SP-8	NOTICE THIS FACILITY MAY BE PROTECTED BY VIDEO	12	18	1.50	E		
	5G	318,628.80	333,894.79	R1-1	STOP	30	30	6.25	W	2.5" SQ.	
				SP-5	SCHOOL GROUNDS CLOSED 11 PM TO 6 AM DAILY	24	18	3.00	E		
				SP-8	NOTICE THIS FACILITY MAY BE PROTECTED BY VIDEO	12	18	1.50	E		
	5H	318,301.08	333,531.29	R7P-115	NO PARKING FIRE LANE	12	18	1.50	N		MOUNT ON LIGHT POLE
	5I	318,643.35	333,658.46	R5-1	DO NOT ENTER	30	30	6.25	SE	2.5" SQ	
	5J	318,622.50	333,628.40	R1-1	STOP	30	30	6.25	NW	2.5" SQ	
				R3-5	LEFT TURN ONLY	30	36	7.50	NW		

PERMIT STAMP

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STATE OF ALASKA
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ALEX O. ADAMS
12-19451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SIGNING AND STRIPING SCHEDULE

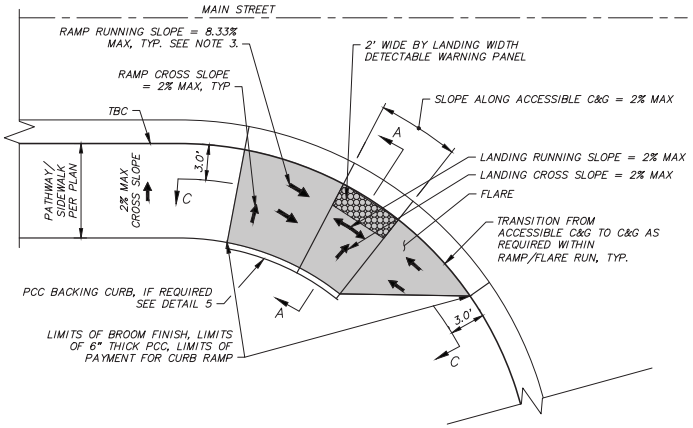
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STATUS: BID SET

REV	DATE	DESCRIPTION	BY
1	01/26	MOA COMMENTS	JM

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DESIGNED BY: AA
DRAWN BY: AA
CHECKED BY: RC
APPROVED BY: RC

SHEET NO.
C306

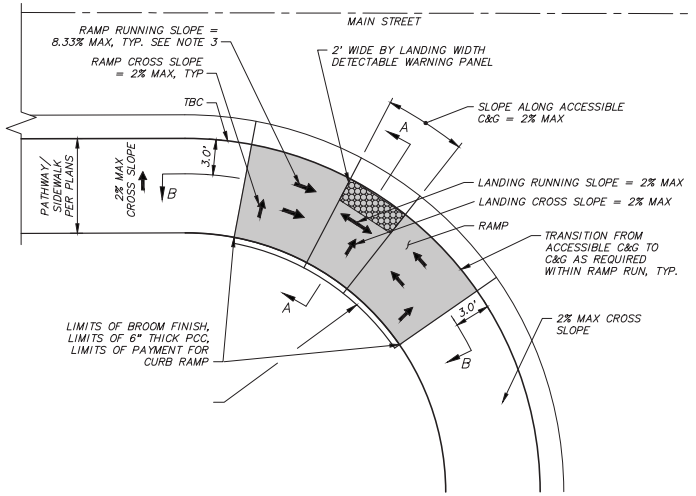
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TYPICAL PARALLEL CURB RAMP WITHOUT CONNECTING SIDEWALK - PLAN VIEW

1

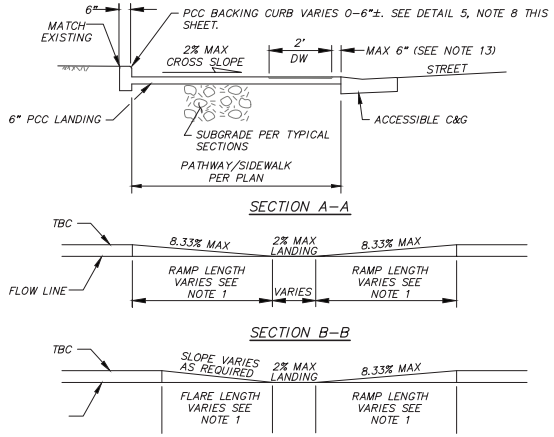
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TYPICAL PARALLEL CURB RAMP WITH CONNECTING SIDEWALK - PLAN VIEW

2

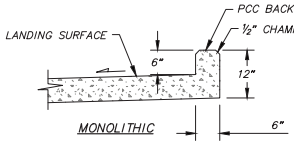
SCALE: N.T.S.



TYPICAL CURB RAMP SECTIONS

3

SCALE: N.T.S.



BACKING CURB DETAIL NOTES:

1. THE TOP OF BACKING CURB SHALL TRANSITION BACK TO TOP OF SIDEWALK ALONG RAMP SECTION OF CURB RAMP.

BACKING CURB DETAIL

4

SCALE: N.T.S.

PERMIT STAMP

SHEET NOTES

1. SEE SHEETS C107-C109 FOR CURB RAMP LOCATIONS, RAMP, LANDING AND FLARE LENGTHS AND ELEVATIONS. RAMP/FLARE/LANDING LENGTH FOR PARALLEL CURB RAMPS SHALL BE AS MEASURED 3' OFF BACK OF CURB.
2. NOTIFY ASD REPRESENTATIVE PRIOR TO INSTALLATION OF CONCRETE IF MAXIMUM/MINIMUM SLOPES CANNOT BE MAINTAINED.
3. FOR PARALLEL CURB RAMPS, RAMPS SHALL BE 15 FEET MAXIMUM. RAMPS SHALL HAVE THE OUTSIDE EDGES AND JOINTS TRIMMED WITH A 1/4-INCH RADIUS EDGING TOOL.
4. ALL SLOPES ARE IN REFERENCE TO THE HORIZONTAL.
5. MINIMUM FLOWLINE SLOPE IN CURB RETURN IS 0.5%.
6. PROVIDE CONSTANT FLOWLINE BETWEEN CHANGE IN CURB TYPE.
7. CONSTRUCT SIDEWALK ADJACENT TO CURB RAMP PER THE TYPICAL SECTIONS SHOWN ON SHEET C301 AND C302.
8. FORM BACKING CURB TO MATCH EXISTING GROUND. IF EXISTING GROUND BEHIND SIDEWALK IS GRAVEL OR GRASS, GRADE TO MATCH EXISTING GROUND. 4" TOPSOIL AND SEEDING SHALL BE PLACED ON DISTURBED GRASS AREAS PER THE LANDSCAPING PLANS.
9. CONSTRUCT RAMPS AND LANDINGS WITH A BROOM FINISH RUNNING PERPENDICULAR TO THE DIRECTION OF TRAVEL.
10. INSTALL YELLOW ADA APPROVED DETECTABLE WARNING (DW) PANELS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. SET DETECTABLE WARNINGS SO THAT THE FIELD AREA AT THE BASE OF THE DOMES IS FLUSH WITH THE SURROUNDING CONCRETE. THERE SHALL BE NO LIP AT THE EDGE OF THE DETECTABLE CURB WARNINGS.
11. DETECTABLE WARNING DOMES AT PARALLEL CURB RAMPS SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINATE DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
12. RAMP LOCATIONS MAY BE ADJUSTED TO ENSURE MINIMUM 48" CLEARANCE AROUND APPURTENANCES SUCH AS SIGNAL POLES, POWER POLES, LIGHT POLES, J-BOXES, SIGNS, CATCH BASINS AND MANHOLES. PRIOR TO PLACEMENT OF CONCRETE AND APPURTENANCES, THE RAMP LAYOUT AND LOCATION SHALL BE APPROVED BY THE ASD REPRESENTATIVE.
13. GAP BETWEEN DETECTABLE WARNING PANELS AND BACK OF CURB ONLY ALLOWABLE AT CENTER OF CURB RAMPS. CORNERS OF DETECTABLE WARNINGS SHALL BE FLUSH WITH BACK OF CURB. IF REQUIRED BY THE ENGINEER, CONTRACTOR SHALL CUT DETECTABLE WARNING PANELS PER THE MANUFACTURER'S RECOMMENDATIONS.

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STATE OF ALASKA
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ALEXANDER C. ATWOOD
12-21451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SITE DETAILS

DATE: 10/23/2026
STATUS: BID SET

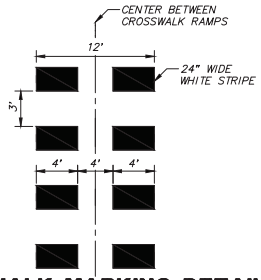
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REVISION

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DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

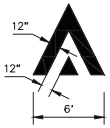
SHEET NO.
C307

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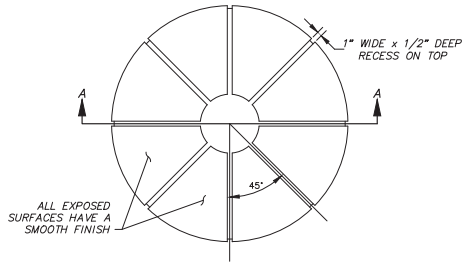
1 **CROSSWALK MARKING DETAIL**

SCALE: N.T.S.



2 **YEILD MARKING DETAIL**

SCALE: N.T.S.

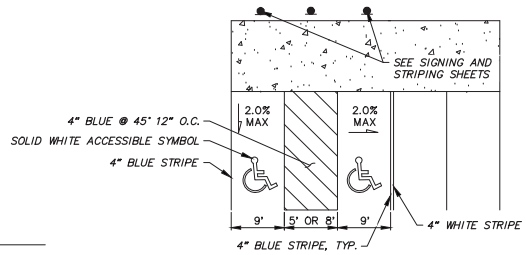


NOTES:

1. ALL REINFORCEMENT AT 1-1/2" CLEAR MINIMUM.

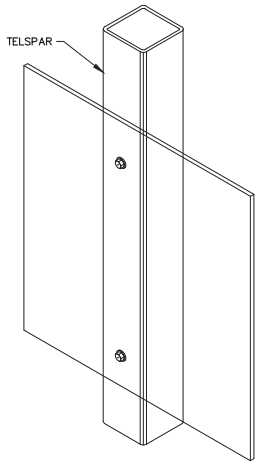
5 **48" DIAMETER CONCRETE SEAT**

SCALE: N.T.S.



4 **ACCESSIBLE STRIPING DETAIL**

SCALE: N.T.S

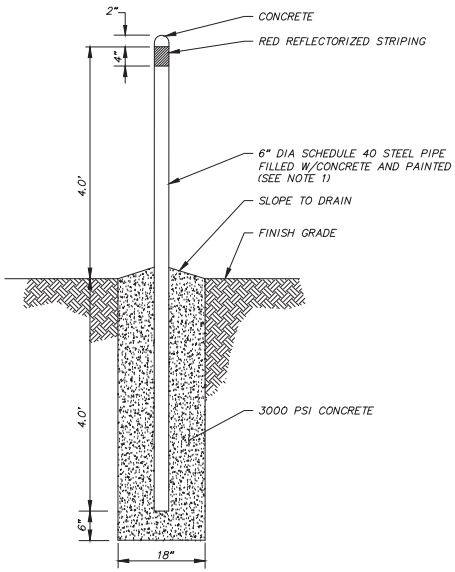


SIGN NOTES:

1. ATTACH SIGNS, FRAMED AND UNFRAMED TO THEIR SUPPORTS WITH ZINC PLATED 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PERFORATED TUBES WITH ACCESSORY DRIVE RIVETS AND TO SADDLES WITH 5/16" BOLTS.
2. BOLT UNFRAMED SIGNS DIRECTLY TO TUBES.
3. THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
4. INSTALL THE TOP EDGE OF SIGNS 1" ABOVE THE TOPS OF POSTS.
5. INSTALL THE TOP EDGE OF SIGNS 3" BELOW THE TOP OF POST, WHENEVER THEY ARE MOUNTED BELOW SIGNS SECURED BY POST TOP MOUNTING BRACKETS.
6. THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
7. INSTALL WEATHER TIGHT CAPS ON ALL PIPE AND TUBE POSTS, EXCEPT PERFORATED TUBING.
8. ALL NEW SIGNS SHALL BE MOUNTED AT MINIMUM HEIGHT OF 7 FEET FROM FINISHED GROUND.
9. INSTALL SIGNS 2.5' BEHIND BACK OF CURB. CENTER SIGN ON PARKING SPACE.
10. SEE SPECIFICATIONS FOR ADDITIONAL INSTALLATION DETAILS.

6 **SIGN INSTALLATION DETAIL**

SCALE: N.T.S



STEEL BOLLARD NOTES:

1. POSTS SHALL BE PRIMED AND RECEIVE TWO COATS MINIMUM OF PAINT (SAFETY YELLOW) I.A.W. MANUFACTURER'S RECOMMENDATIONS.
2. FINAL PLACEMENT OF STEEL BOLLARDS SHALL BE DETERMINED IN FIELD. COORDINATE LOCATION WITH ENGINEER.

7 **BOLLARD**

SCALE: N.T.S.

PERMIT STAMP

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STATE OF ALASKA 99 TH

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SITE DETAILS

DATE: 10/23/2026
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REV	DATE	DESCRIPTION	BY

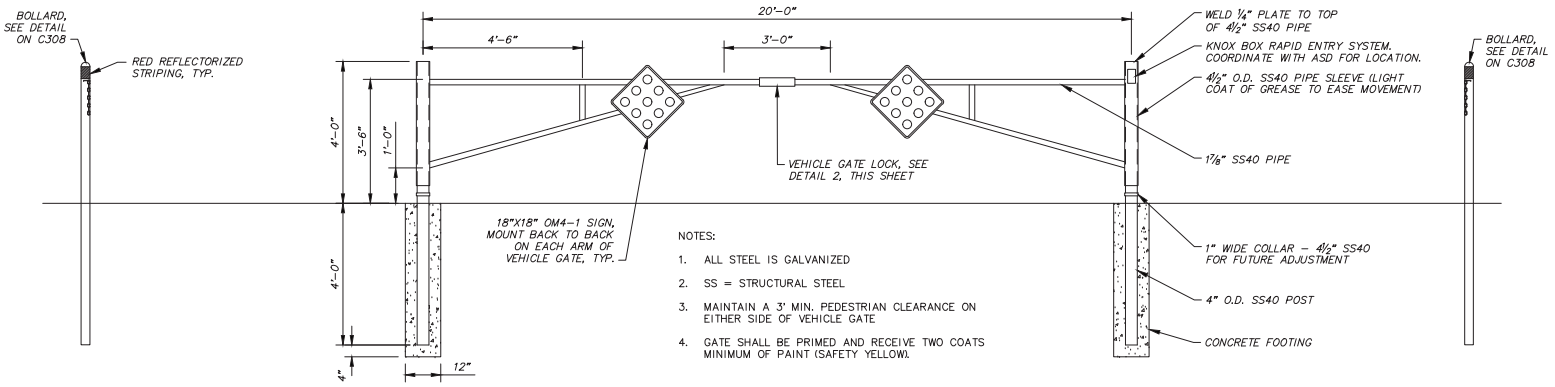
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DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C308

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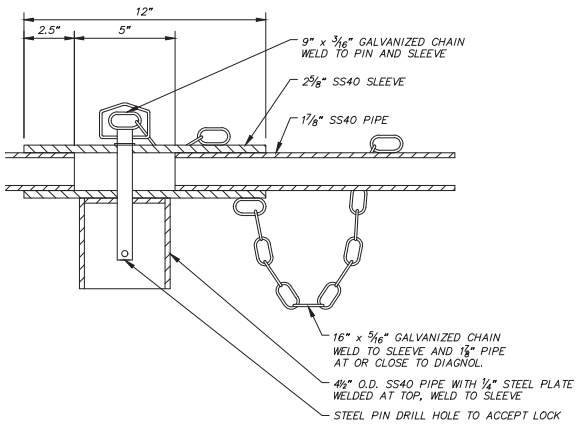


NOTES:

1. ALL STEEL IS GALVANIZED
2. SS = STRUCTURAL STEEL
3. MAINTAIN A 3' MIN. PEDESTRIAN CLEARANCE ON EITHER SIDE OF VEHICLE GATE
4. GATE SHALL BE PRIMED AND RECEIVE TWO COATS MINIMUM OF PAINT (SAFETY YELLOW).

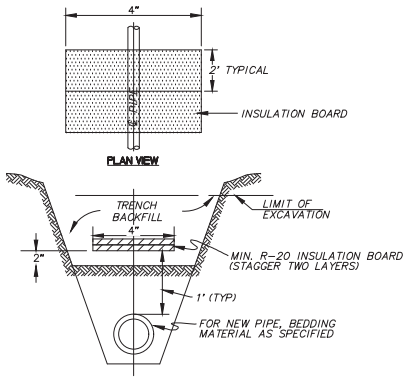
1 **FIRE ACCESS GATE**

SCALE: N.T.S.



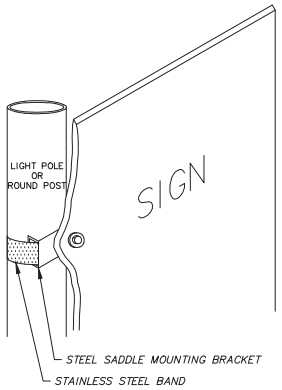
2 **FIRE ACCESS GATE LOCK**

SCALE: N.T.S.



4 **PIPE INSULATION**

SCALE: N.T.S.



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PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
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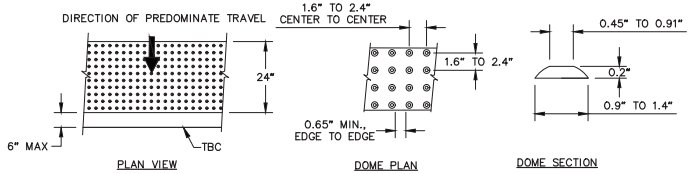
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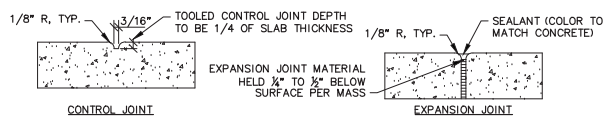
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1 DETECTABLE WARNING PANEL

SCALE: N.T.S.

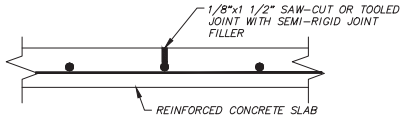


CONCRETE PANEL NOTES:

1. *UNLESS OTHERWISE NOTED, CONTROL JOINTS SHALL OCCUR AT DISTANCES EQUAL TO 6' O.C., WITH EXPANSION JOINTS NO FARTHER THAN 18 FEET O.C.*
2. *UNLESS OTHERWISE NOTED, ALL CONCRETE FLATWORK TO BE OF BROOM FINISH, WITH PATTERN RUNNING PERPENDICULAR TO FLOW OF PEDESTRIAN TRAFFIC.*

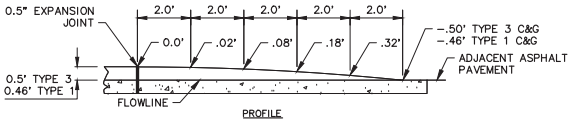
2 EXPANSION AND CONTROL JOINTS

SCALE: N.T.S.



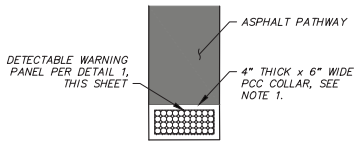
3 TYPICAL CONCRETE CONTROL JOINT

SCALE: N.T.S.



4 TYPICAL CURB AND GUTTER TERMINATION TRANSITION

SCALE: N.T.S.

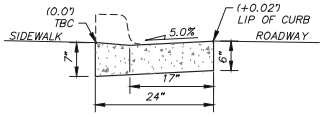


NOTES:

1. *GAP BETWEEN DETECTABLE WARNING PANELS AND BACK OF CURB ONLY ALLOWABLE AT CENTER OF CURB RAMPS. CORNERS OF DETECTABLE WARNINGS SHALL BE FLUSH WITH BACK OF CURB.*

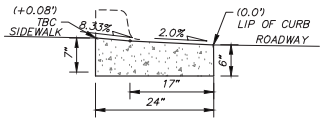
5 DETECTABLE WARNING PCC COLLAR

SCALE: N.T.S.



ACCESSIBLE PCC CURB AND GUTTER TYPE 1A

FOR USE IN CURB RAMPS WITH TYPE 1A C&G.



ACCESSIBLE PCC CURB AND GUTTER TYPE 3A

FOR USE IN CURB RAMPS WITH TYPE 3A C&G.

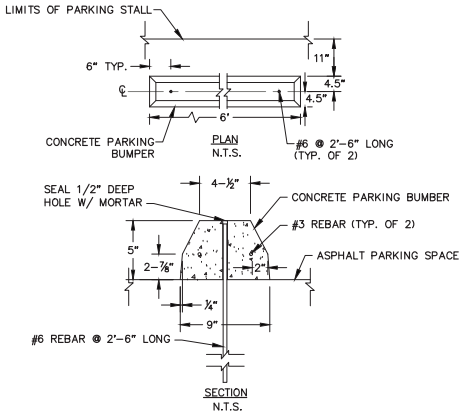
** SEE MASS STANDARD DETAIL 30.01 FOR DETAILS OF PCC CURB & GUTTER TYPES 1, 2, 3, 5 & 6*

CURB RAMP NOTES:

1. *TRANSITION CURBS TO MAINTAIN CONSTANT FLOWLINE ACROSS CURB RAMP AND AROUND CURB RETURN IAW PLANS.*

6 CURB & GUTTER SECTIONS

SCALE: N.T.S.



7 WHEEL STOPS

SCALE: GRAPHIC

PERMIT STAMP

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STATE OF ALASKA
99TH
ARCH. & ENGR.
CHRISTOPHER A. ROSE
CR-13451
EXPIRES: 12/31/2027

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SITE DETAILS

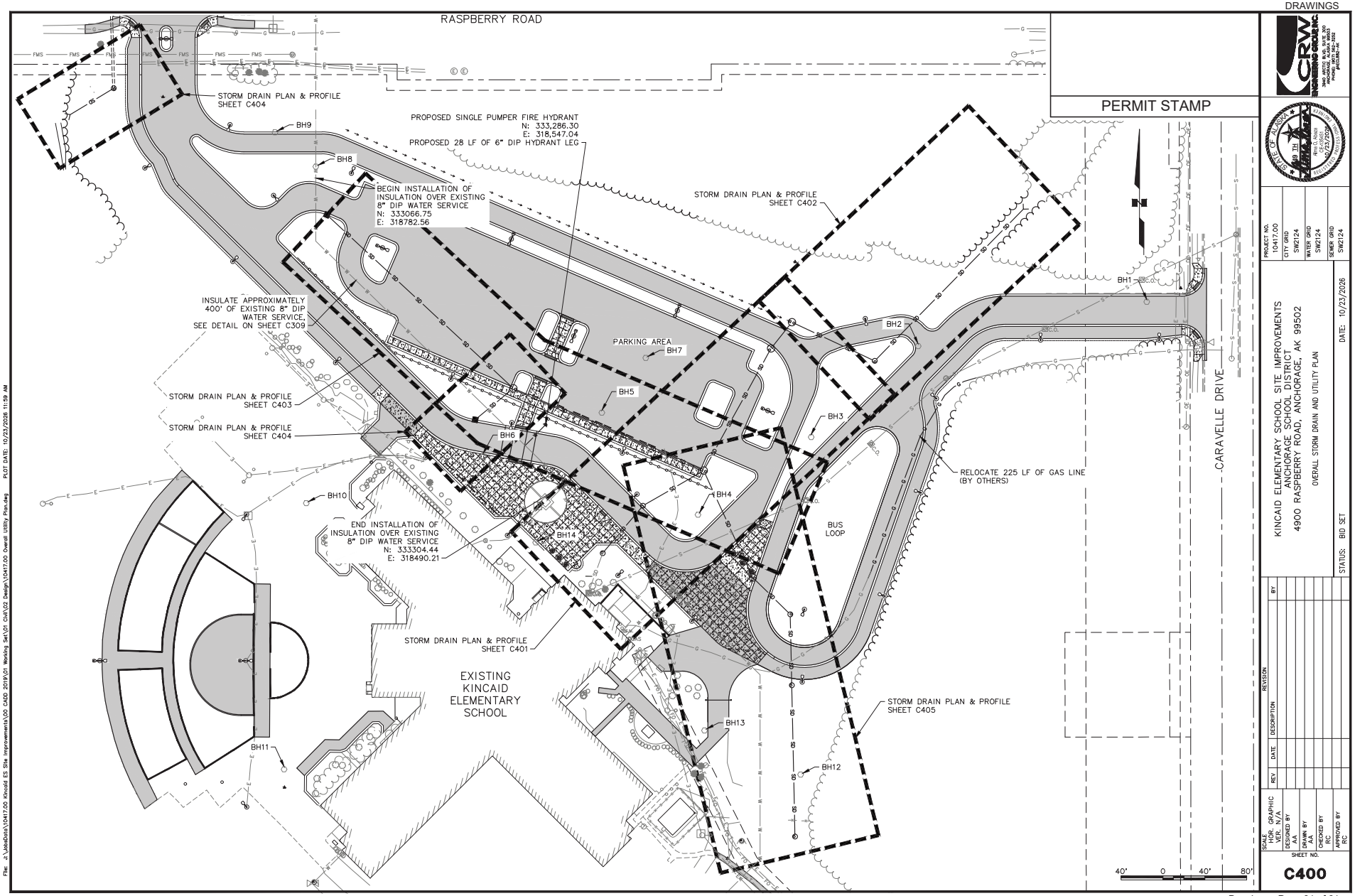
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STATUS: BID SET

REV	DATE	DESCRIPTION	BY
REVISION			

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DESIGNED BY AA
DRAWN BY AA
CHECKED BY RC
APPROVED BY RC

SHEET NO.
C310

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CRW ENGINEERING GROUP, LLC
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STATE OF ALASKA
49TH
Glenn C. Kitzan
12-4750
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
OVERALL STORM DRAIN AND UTILITY PLAN

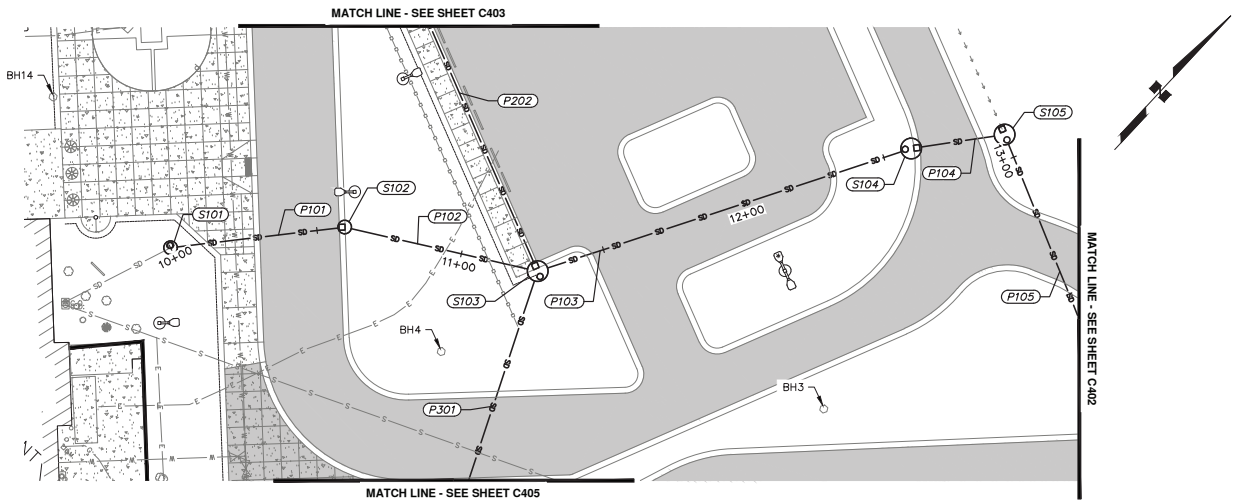
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DATE: 10/23/2026

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REVISION			

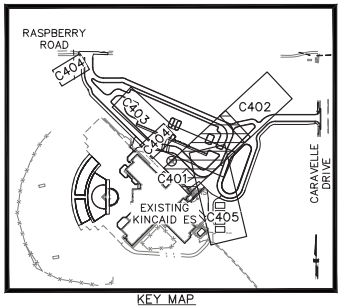
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CHECKED BY RC
APPROVED BY RC

SHEET NO.
C400

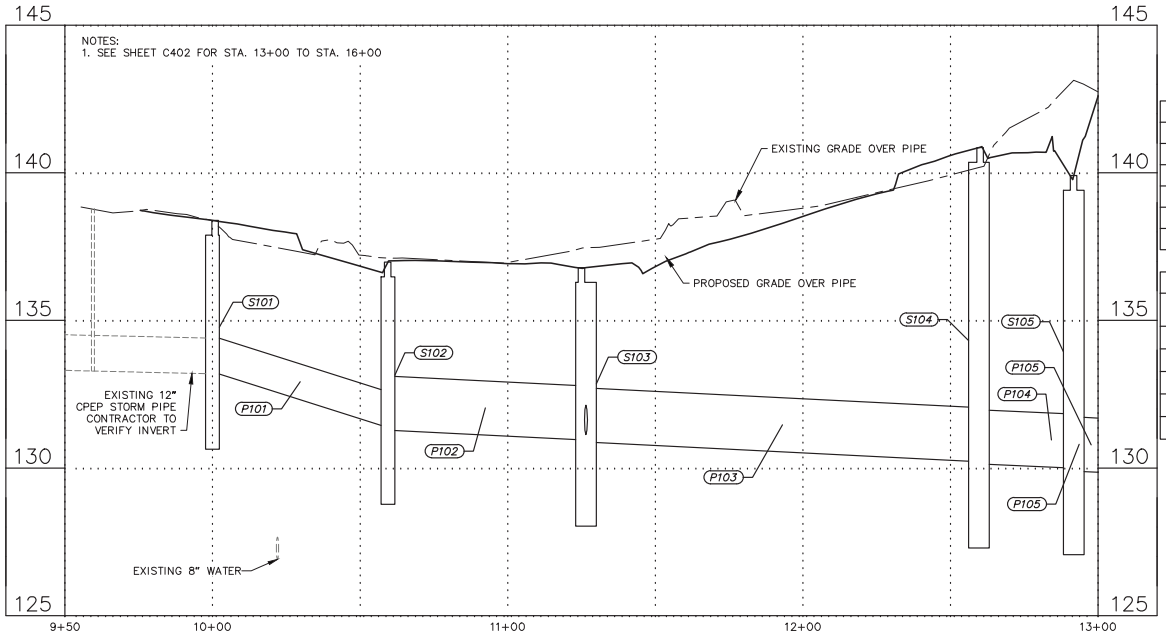
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PERMIT STAMP



KEY MAP
SCALE: 1"=250'



NOTES:

1. REFER TO SHEET C406 FOR GENERAL STORM DRAIN STRUCTURE/PIPE NOTES AND STRUCTURE ABBREVIATIONS USED ON SUMMARY TABLES SHOWN ON THIS SHEET.
2. REFER TO SHEETS C406–C407 FOR STORM DRAIN DETAILS.

STORM DRAIN STRUCTURES

STRUCTURE ID	TYPE OF STRUCTURE	NORTHING	EASTING	RIM	COMMENTS
S101	TYPE I SDMH	318424.17	333340.70	138.39	
S102	TYPE I SDMH WITH CURB TYPE 1 INLET	318469.44	333379.16	136.98	
S103	TYPE II SDMH WITH CURB TYPE 1 INLET	318503.09	333437.21	136.79	
S104	TYPE II SDMH WITH CURB TYPE 1 INLET	318619.71	333501.51	140.86	
S105	TYPE II SDMH WITH BEEHIVE INLET	318644.78	333521.50	139.91	

STORM DRAIN PIPES

PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET	OUTLET	SLOPE	PIPE BEARING
P101	12	CPEP, TYPE S	55.40	S101	S102	133.30	131.54	3.18%	N40° 20' 48"E
P102	18	CPEP, TYPE S	62.10	S102	S103	131.44	131.13	0.50%	N59° 54' 00"E
P103	18	CPEP, TYPE S	127.17	S103	S104	131.03	130.39	0.50%	N28° 52' 20"E
P104	18	CPEP, TYPE S	29.07	S104	S105	130.29	130.16	0.45%	N38° 34' 19"E
P105	18	CPEP, TYPE S	87.31	S105	S106	130.06	129.64	0.48%	S64° 58' 57"E

VERT. SCALE 5' 0 5' 10'
HORZ. SCALE 20' 0 20' 40'

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ALEX D. ABBOTT
12-13451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
STORM DRAIN PLAN & PROFILE

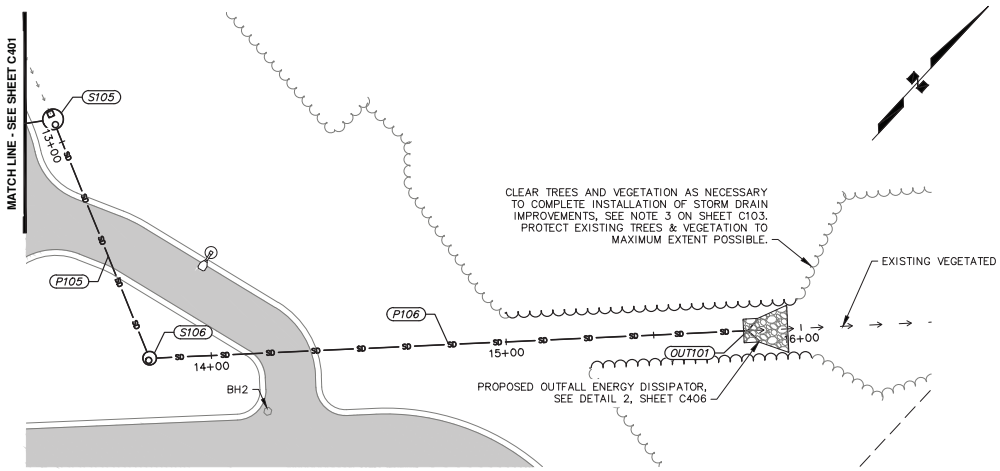
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REVISION			

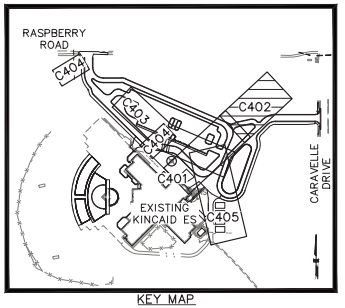
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CHECKED BY RC
APPROVED BY RC

SHEET NO.
C401

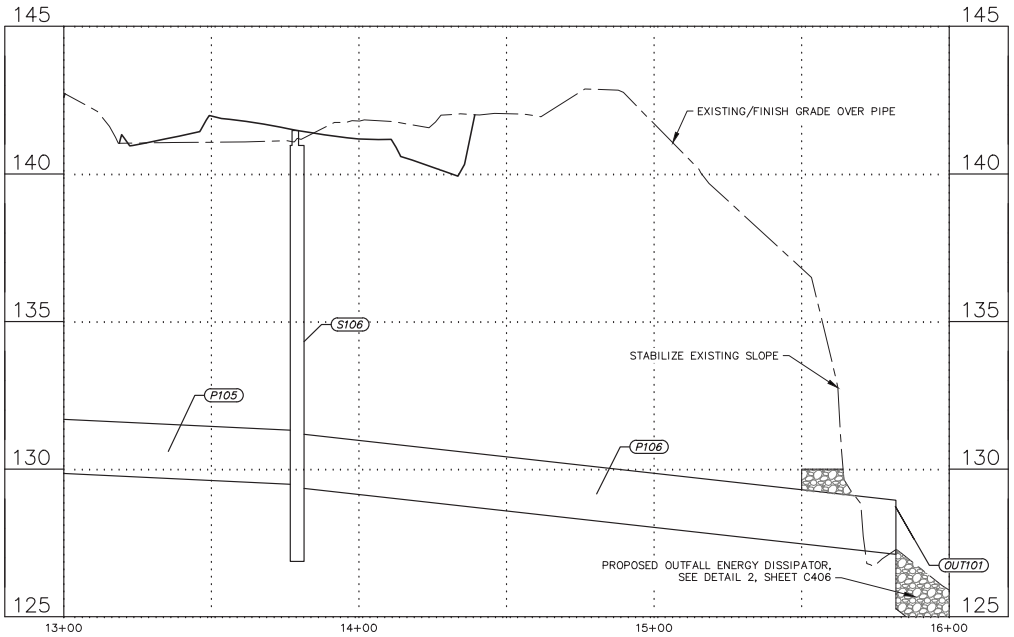
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PERMIT STAMP



KEY MAP
SCALE: 1"=250'



NOTES:

1. REFER TO SHEET C406 FOR GENERAL STORM DRAIN STRUCTURE/PIPE NOTES AND STRUCTURE ABBREVIATIONS USED ON SUMMARY TABLES SHOWN ON THIS SHEET.
2. REFER TO SHEETS C406–C407 FOR STORM DRAIN DETAILS.

STORM DRAIN STRUCTURES					
STRUCTURE ID	TYPE OF STRUCTURE	NORTHING	EASTING	RIM	COMMENTS
OUT101	18 INCH END SECTION	318752.77	333742.57	129.03	
S106	TYPE I SDMH	318607.86	333600.62	141.47	

STORM DRAIN PIPES									
PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET	OUTLET	SLOPE	PIPE BEARING
P105	18	CPEP, TYPE S	87.31	S105	S106	130.06	129.64	0.48%	S64° 58' 57"E
P106	18	CPEP, TYPE S	202.86	S106	OUT101	129.54	127.28	1.12%	N44° 24' 28"E

VERT. SCALE 5' 0 5' 10'
HORZ. SCALE 20' 0 20' 40'

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JAMES D. ANDO
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REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
STORM DRAIN PLAN & PROFILE

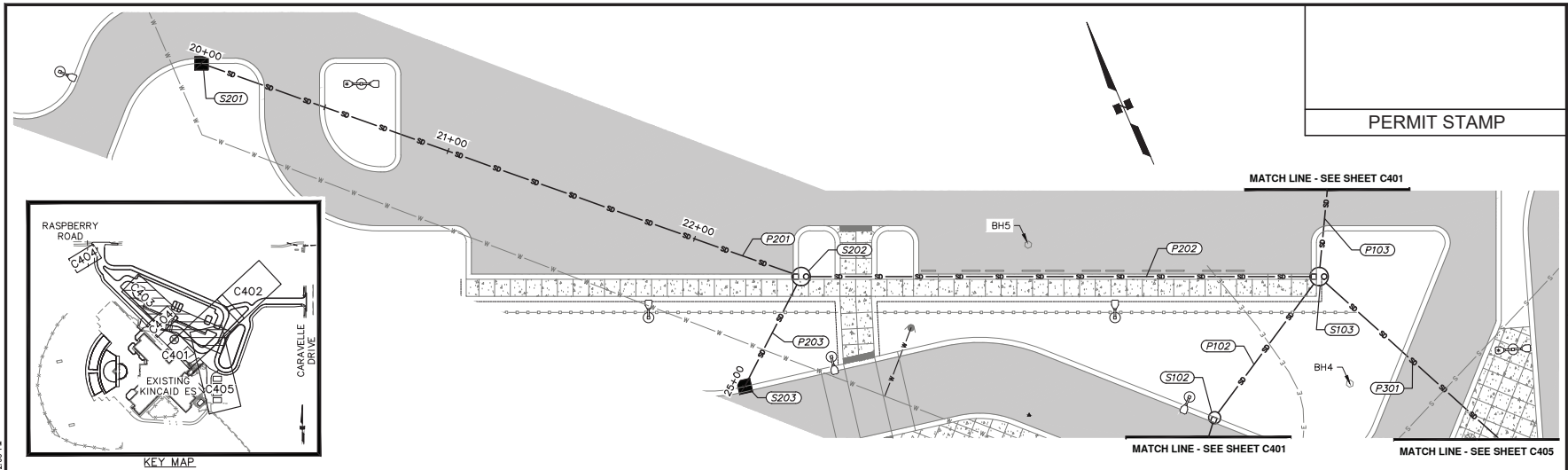
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STATUS: BID SET

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REVISION			

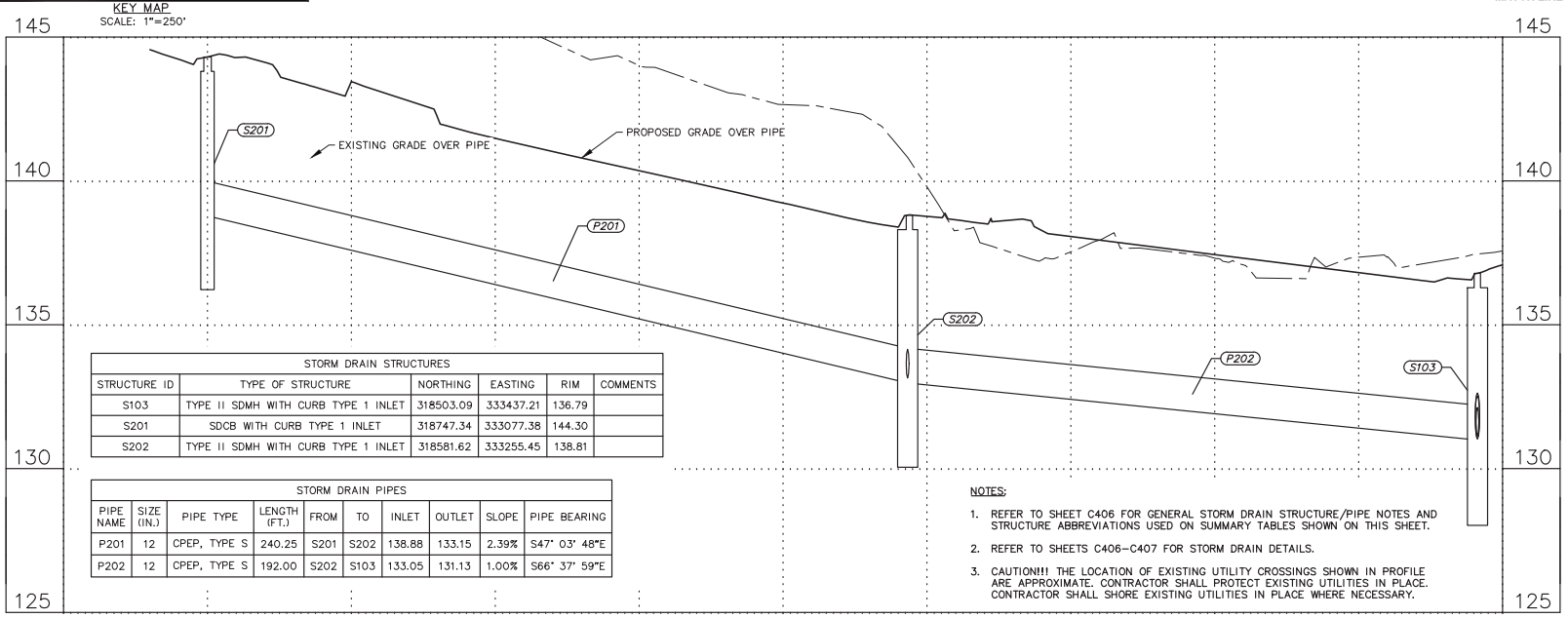
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SHEET NO.
C402

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CAD\ 2019\01 Working Set\01 Civil\02 Design\10417.00 Storm Drain Plan & Profile.dwg PLOT DATE: 10/23/2026 12:00 PM



KEY MAP
SCALE: 1"=250'



STORM DRAIN STRUCTURES					
STRUCTURE ID	TYPE OF STRUCTURE	NORTHING	EASTING	RIM	COMMENTS
S103	TYPE II SDMH WITH CURB TYPE 1 INLET	318503.09	333437.21	136.79	
S201	SDCB WITH CURB TYPE 1 INLET	318747.34	333077.38	144.30	
S202	TYPE II SDMH WITH CURB TYPE 1 INLET	318581.62	333255.45	138.81	

STORM DRAIN PIPES									
PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET	OUTLET	SLOPE	PIPE BEARING
P201	12	CPEP, TYPE S	240.25	S201	S202	138.88	133.15	2.39%	S47° 03' 48"E
P202	12	CPEP, TYPE S	192.00	S202	S103	133.05	131.13	1.00%	S66° 37' 59"E

NOTES:

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2. REFER TO SHEETS C406–C407 FOR STORM DRAIN DETAILS.
3. CAUTION!!! THE LOCATION OF EXISTING UTILITY CROSSINGS SHOWN IN PROFILE ARE APPROXIMATE. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE. CONTRACTOR SHALL SHORE EXISTING UTILITIES IN PLACE WHERE NECESSARY.

VERT. SCALE 5' 0 5' 10'
HORZ. SCALE 20' 0 20' 40'

PERMIT STAMP

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WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
STORM DRAIN PLAN & PROFILE

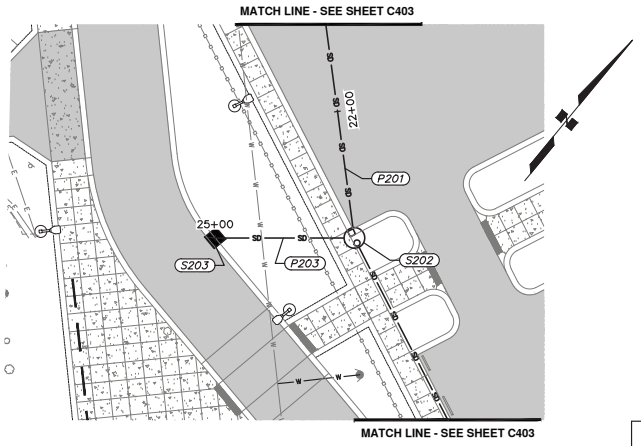
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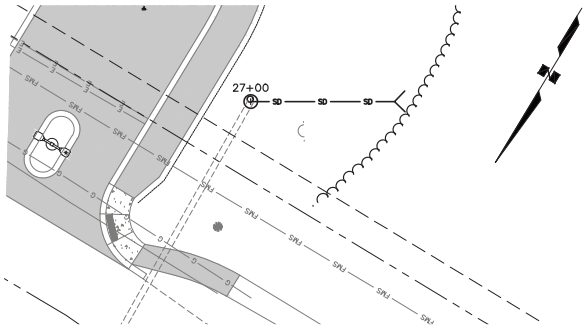
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REVISION			

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SHEET NO.
C403

File: J:\JobsData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\01 Civil\02 Design\10417.00 Storm Drain Plan & Profile.dwg PLOT DATE: 10/23/2026 12:00 PM





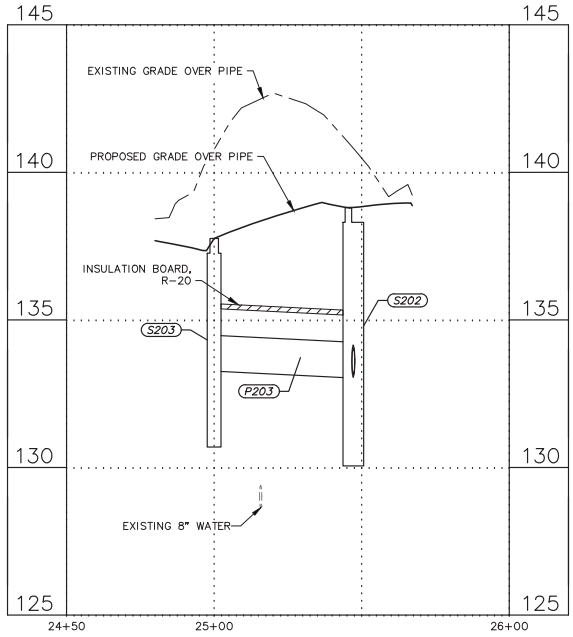
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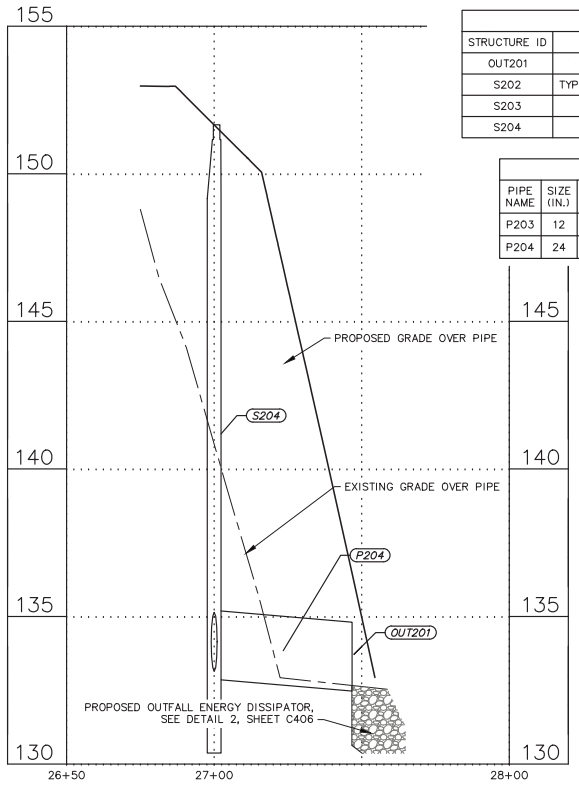
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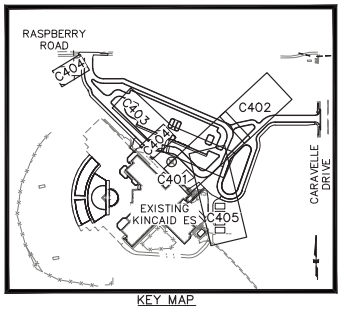
1. REFER TO SHEET C406 FOR GENERAL STORM DRAIN STRUCTURE/PIPE NOTES AND STRUCTURE ABBREVIATIONS USED ON SUMMARY TABLES SHOWN ON THIS SHEET.
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STORM DRAIN STRUCTURES					
STRUCTURE ID	TYPE OF STRUCTURE	NORTHING	EASTING	RIM	COMMENTS
OUT201	24 INCH END SECTION	318843.01	332832.04	134.89	
S202	TYPE II SDMH WITH CURB TYPE 1 INLET	318581.62	333255.45	138.81	
S203	SDCB WITH CURB TYPE 1 INLET	318551.67	333219.05	137.76	
S204	TYPE I SDMH	318868.26	332873.71	151.66	

STORM DRAIN PIPES									
PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET	OUTLET	SLOPE	PIPE BEARING
P203	12	CPEP, TYPE S	42.13	S203	S202	133.36	133.15	0.50%	N50° 32' 51"E
P204	24	CPEP, TYPE S	46.73	S204	OUT201	133.04	132.64	0.86%	S58° 47' 02"W







KEY MAP
SCALE: 1"=250'

VERT. SCALE 5' 0 5' 10'

HORZ. SCALE 20' 0 20' 40'

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PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
STORM DRAIN PLAN & PROFILE

DATE: 10/23/2026
STATUS: BID SET

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REVISION			

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APPROVED BY RC

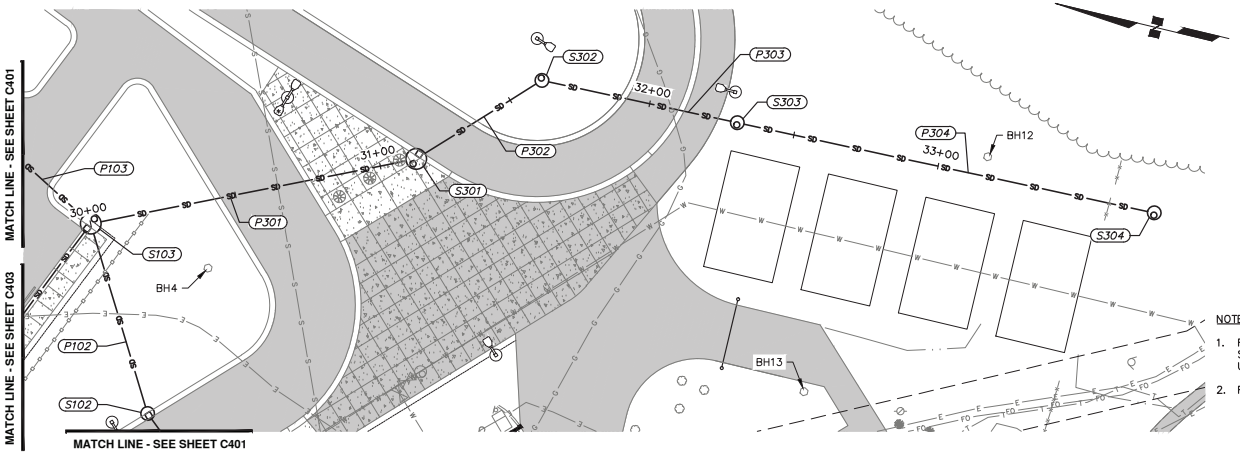
SHEET NO.
C404

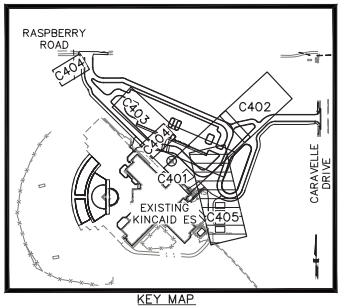
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STORM DRAIN STRUCTURES					
STRUCTURE ID	TYPE OF STRUCTURE	NORTHING	EASTING	RIM	COMMENTS
S103	TYPE II SDMH WITH CURB TYPE 1 INLET	318503.09	333437.21	136.79	
S301	TYPE II SDMH WITH CURB TYPE 1 INLET	318400.98	333484.12	138.37	
S302	TYPE I SDMH WITH BEEHIVE INLET	318365.71	333519.91	139.58	
S303	TYPE I SDMH WITH BEEHIVE INLET	318298.01	333521.36	139.31	
S304	TYPE I SDMH WITH BEEHIVE INLET	318153.49	333524.44	141.93	

STORM DRAIN PIPES									
PIPE NAME	SIZE (IN.)	PIPE TYPE	LENGTH (FT.)	FROM	TO	INLET	OUTLET	SLOPE	PIPE BEARING
P301	12	CPEP, TYPE S	112.38	S301	S103	132.70	131.13	1.39%	N24° 40' 38"W
P302	12	CPEP, TYPE S	50.25	S302	S301	133.05	132.80	0.50%	N45° 25' 09"W
P303	12	CPEP, TYPE S	65.71	S303	S302	133.46	133.15	0.48%	N01° 13' 19"W
P304	12	CPEP, TYPE SP	140.56	S304	S303	136.73	133.56	2.25%	N01° 13' 19"W

PERMIT STAMP

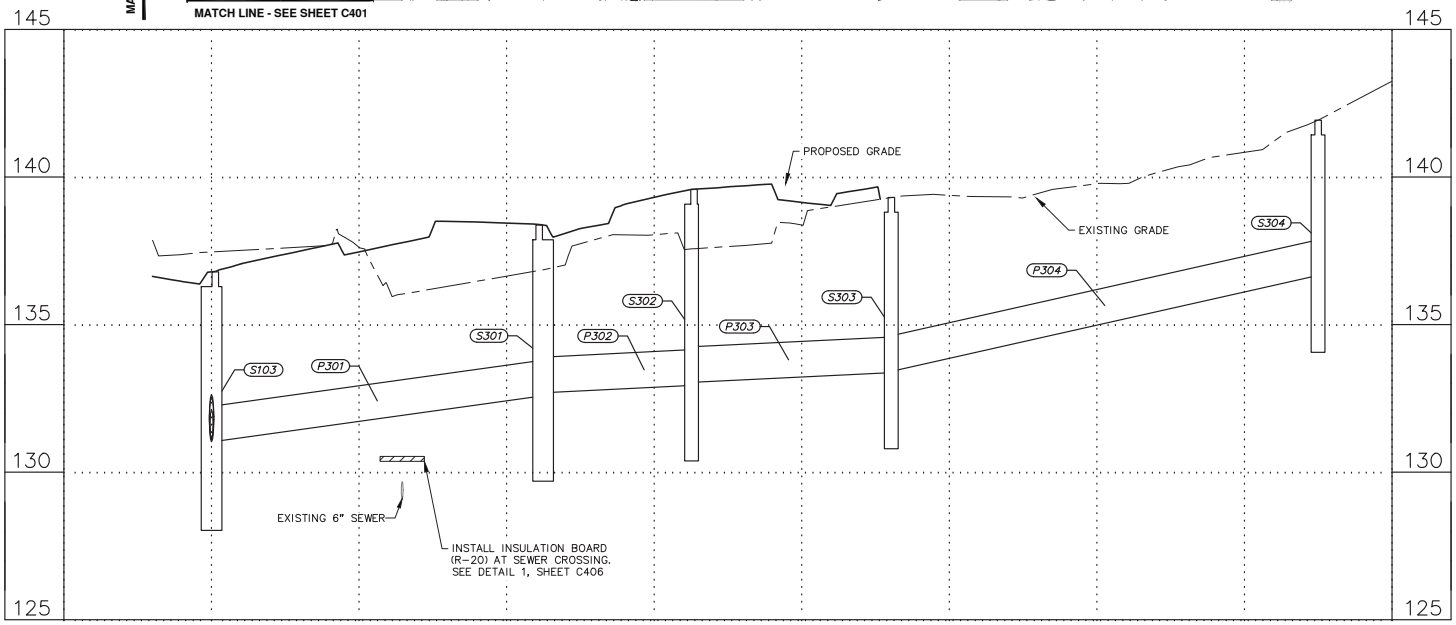




KEY MAP
SCALE: 1"=250'

NOTES:

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2. REFER TO SHEETS C406–C407 FOR STORM DRAIN DETAILS.



VERT. SCALE 5' 0 5' 10'
HORZ. SCALE 20' 0 20' 40'

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REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
STORM DRAIN PLAN & PROFILE

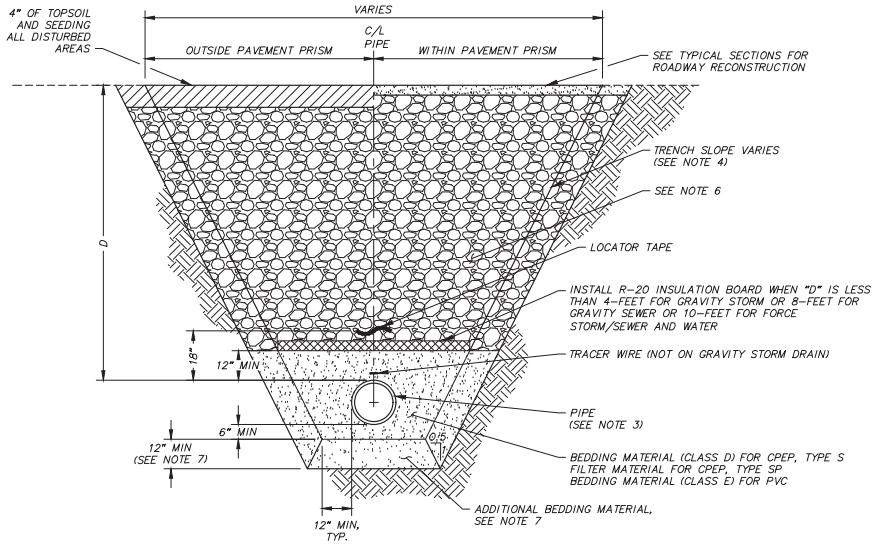
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C405

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TRENCH SECTION NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL ENCOUNTERED UTILITIES AND TO RECORD ANY CHANGES ON THE CONTRACTOR'S RECORD DRAWINGS.
2. PIPE LENGTHS ARE BASED ON THE HORIZONTAL DISTANCE BETWEEN THE ACTUAL LENGTH OF PIPE FROM THE INSIDE FACE OF MANHOLES/STRUCTURES. PIPE SLOPES ARE CALCULATED USING THE ACTUAL LENGTH OF PIPE FROM THE INSIDE FACE OF MANHOLES/STRUCTURES.
3. UNLESS OTHERWISE NOTED STORM DRAIN PIPE SHALL BE CPEP TYPE S.
4. TRENCH EXCAVATION AND SHORING SHALL COMPLY WITH ALL LOCAL, STATE AND OSHA REGULATIONS AND REQUIREMENTS.
5. TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTER. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
6. IN NON PAVED AREAS, TRENCH BACKFILL SHALL BE COMPACTABLE TO 90% NON ORGANIC NATIVE MATERIALS. IN PAVED OR CONCRETE AREAS, TRENCH BACKFILL SHALL BE NATIVE MATERIAL MEETING THE TYPE II CLASSIFICATION (MINIMUM) AS APPROVED BY THE ENGINEER. NATIVE MATERIAL NOT MEETING TYPE III CLASSIFICATION SHALL BE REMOVED AND REPLACED WITH TYPE II CLASSIFIED MATERIAL. TRENCH BACKFILL SHALL BE COMPACTED TO 95% MAX. DENSITY.
7. OVER-EXCAVATE A MINIMUM OF 12-INCHES IF ORGANICS OR DISTURBED MINERAL SOILS ARE ENCOUNTERED.

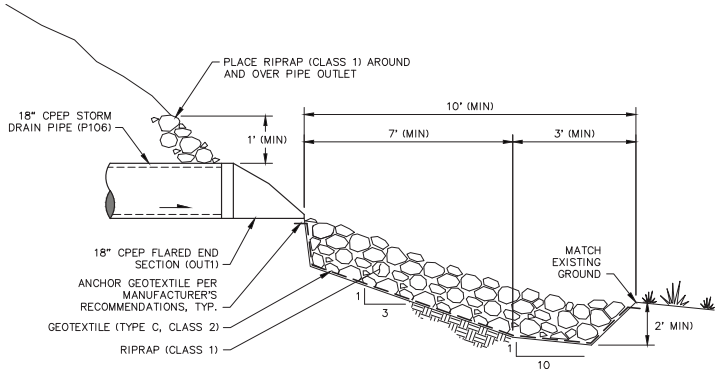
1 TYPICAL TRENCH SECTION (LESS THAN 30" DIAMETER PIPES)

SCALE: N.T.S.

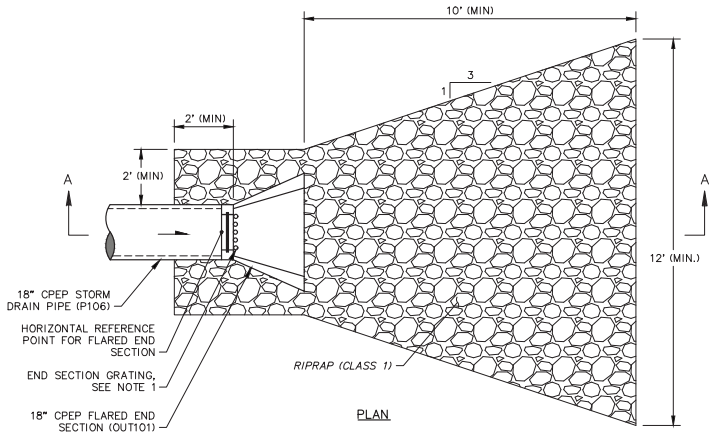
NOTES:

1. HORIZONTAL AND VERTICAL CONTROL POINTS FOR STORM DRAIN STRUCTURES (REFERENCE POINTS CALLED OUT IN PLAN & PROFILE SHEETS AREA:

STRUCTURES	HORZ. CONTROL	REFERENCE ELEV.
SDMH TYPE I	CENTER OF MH	FG/TOP OF LID
SDMH TYPE II	CENTER OF MH	FG/TOP OF LID
SDMH TYPE I W/ CURB INTAKE	CENTER OF MH	TBC @ MID. PT. OF CURB INTAKE
SDMH TYPE II W/ CURB INTAKE	CENTER OF MH	TBC @ MID. PT. OF CURB INTAKE
SDMH TYPE I W/ BEEHIVE INTAKE	CENTER OF MH	FG/TOP OF LID
SDMH TYPE II W/ BEEHIVE INTAKE	CENTER OF MH	FG/TOP OF LID
SDCB W/ CURB INTAKE	CENTER OF MH	TBC @ MID. PT. OF CURB INTAKE



SECTION A-A



PLAN

2 OUTFALL ENERGY DISSIPATOR DETAIL

SCALE: NTS

RIPRAP APRON NOTES

1. GRATE OPENINGS SHALL BE NO MORE THAN 4-INCHES AND SHALL BE EITHER HINGED OR REMOVABLE FOR MAINTENANCE ACCESS. IF CONTRACTOR OPTS FOR HINGED GRATE, LOCKING MECHANISM SHALL BE PROVIDED TO AVOID ACCESS.

PERMIT STAMP

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STATE OF ALASKA
99 TH
ANNE M. ANDERSON
CERTIFICATE NUMBER
12-17451
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID SW2124
SEWER GRID SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
STORM DRAIN DETAILS

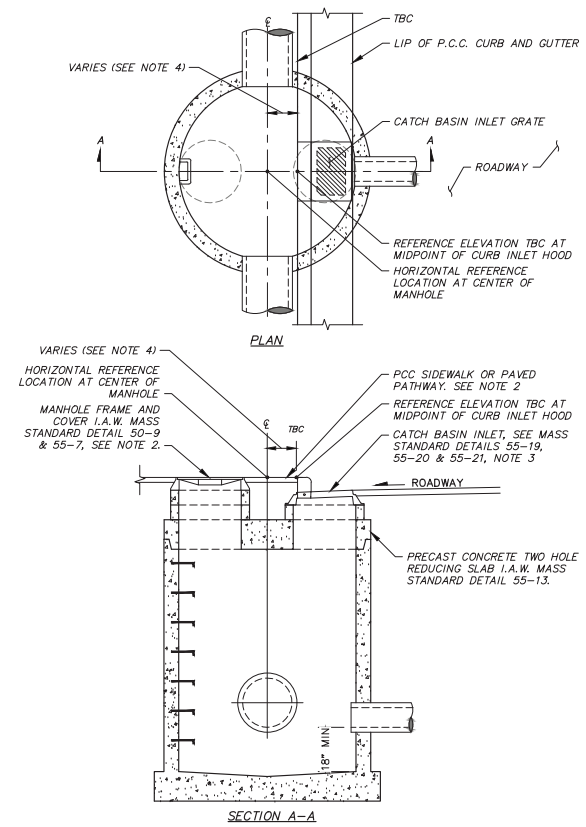
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TYPE II CATCH BASIN MANHOLE NOTES

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

1 **TYPE II CATCH BASIN MANHOLE DETAIL**

SCALE: NTS

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STATE OF ALASKA
99TH
ANCHORAGE
Alexis O. Alcazo
12-13451
12/31/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.	10417.00
CITY GRID	SW2124
WATER GRID	SW2124
SEWER GRID	SW2124

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
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STORM DRAIN DETAILS

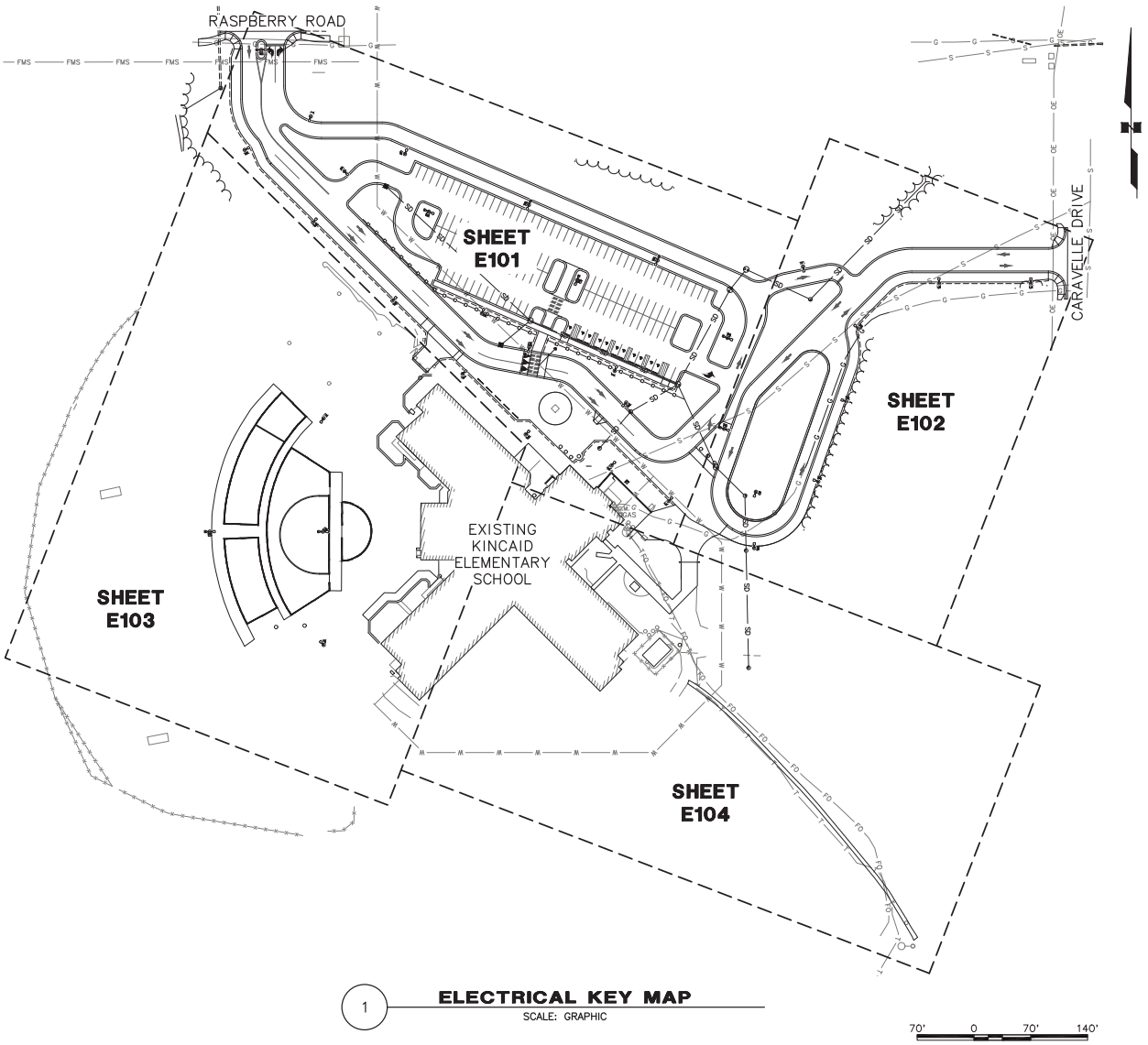
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C407

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1 **ELECTRICAL KEY MAP**
SCALE: GRAPHIC

70' 0 70' 140'

LEGEND

- CONDUIT – TYPE AND SIZE AS SHOWN
- EXISTING CONDUIT, BURIED OR IN-SLAB
- PROPOSED CONDUIT, BURIED OR IN-SLAB
- EXISTING JUNCTION BOX
- PROPOSED TYPE 2 JUNCTION BOX
- PROPOSED TYPE 1A JUNCTION BOX
- PANELBOARD
- EXISTING LUMINAIRE
- LUMINAIRE POLE, PROPOSED UNLESS OTHERWISE NOTED

LIGHTING DESIGN CRITERIA

1. TITLE 21 DESIGN CRITERIA

   SECTION 21.07.100

2. IES GUIDELINE FOR SECURITY LIGHTING FOR PEOPLE, PROPERTY & PUBLIC SPACES (IESNA G-1-03/7.2.13)

   BUILDING EXTERIOR/SIDEWALKS –
   MINIMUM AVERAGE ILLUMINATION = 1fc
   UNIFORMITY (AVG/MIN) < 4:1

   DRIVEWAYS FOR HIGH TRAFFIC AREAS (LOOP) & PARKING AREAS –
   MINIMUM AVERAGE ILLUMINATION = 3fc
   UNIFORMITY (AVG/MIN) < 4:1

3. IES ROADWAY LIGHTING (ANSI/RP-8-00/3.5.1.4)

   CROSSWALK –
   MINIMUM AVERAGE ILLUMINATION = 3.4fc
   UNIFORMITY (AVG/MIN) < 3:1

CALCULATION SUMMARY				
AREA	AVG. ILLUMINANCE		UNIFORMITY	
	REQ'D	DESIGN	*REQ'D*	DESIGN
BUS LOOP	*≥3.0*	3.8	*≤4.0:1*	3.2:1
DROP-OFF LOOP	*≥3.0*	3.3	*≤4.0:1*	3.0:1
PARKING LOT	*≥3.0*	3.1	*≤4.0:1*	2.8:1
SIDEWALKS	*≥1.0*	2.4	*≤4.0:1*	4.0:1
CROSSWALK	*≥3.4*	4.5	*≤3.0:1*	1.9:1

THE PARKING AREA LIGHTING MEETS THE LEVELS SPECIFIED BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA AND THE REQUIREMENTS SET FORTH BY THE MUNICIPALITY OF ANCHORAGE. IN ADDITION, THE LIGHTING IS DESIGNED TO PREVENT GLARE TO MOTORIST ON PUBLIC STREETS AND RESIDENTS OF ADJOINING PROPERTIES IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.

BY: TYLER KEENE, PE DATE: 1/17/2023

SERVICE LOAD	
NEC Art, 220.87 EXISTING LOAD =	239.0 kVA
NEC MULTIPLIER	X1.25
NEC EXISTING LOAD =	298.8 kVA
CHANGES	
LOAD TO BE REMOVED (LIGHTING)	
PANEL LS	(21.9) KVA
LOAD TO BE ADDED (LIGHTING)	
PANEL LS	11.1 KVA
TOTAL SERVICE LOAD =	288.0 kVA
AMPERES @ 208Y	799.3 A

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STATE OF ALASKA — TYLER KEENE — 49TH — EE-1401 — 10/23/2026 — PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID –
SEWER GRID –

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES & KEY MAP

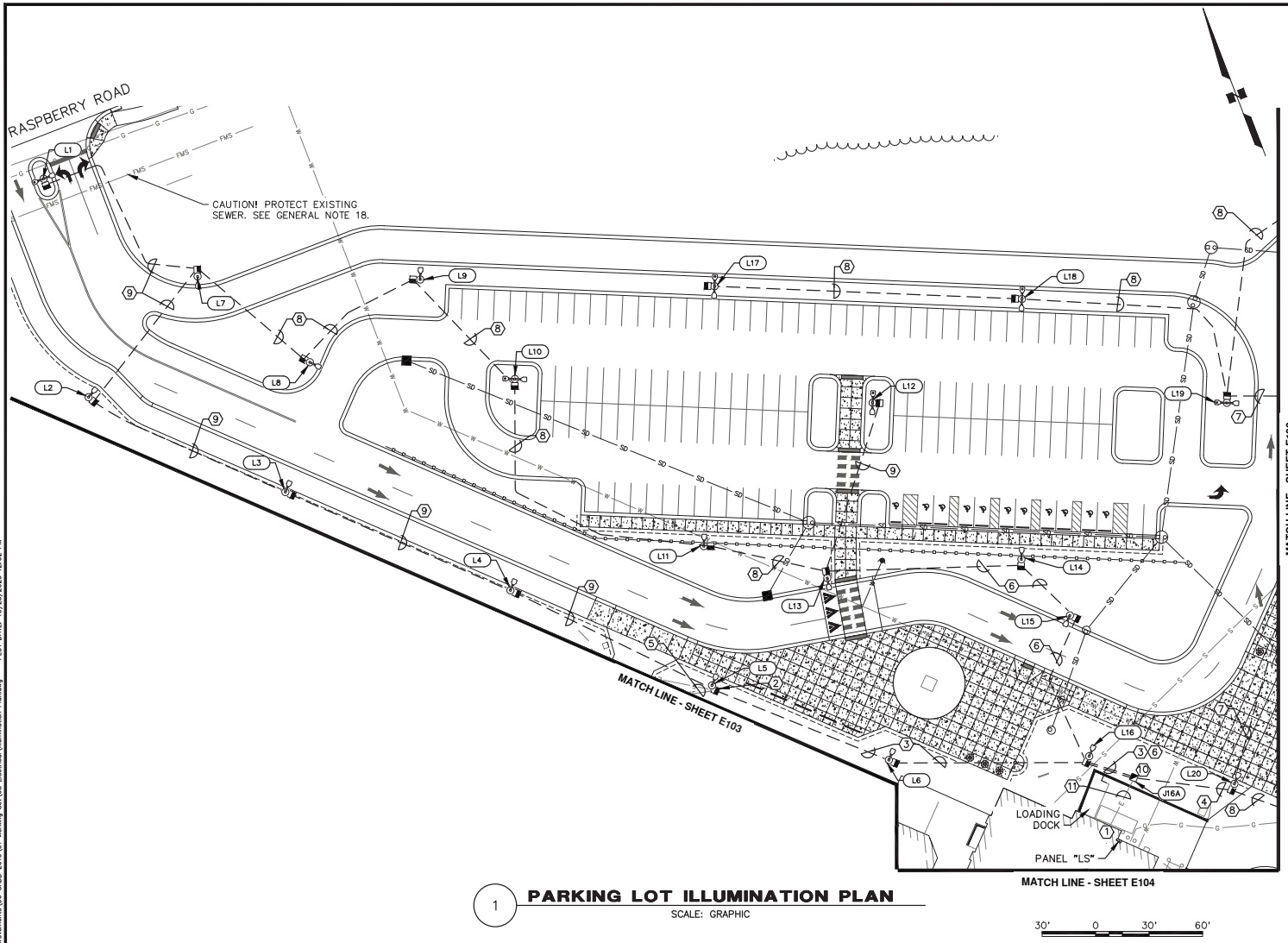
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		REVISION	

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VERT. N/A
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DRAWN BY JH
CHECKED BY TK
APPROVED BY TK

SHEET NO.
E001

File: J:\JobData\10417.00 Kincaid ES Site Improvements\00 CADD 2019\01 Working Set\03 Electrical\Illumination Plan.dwg PLOT DATE: 10/23/2026 12:02 PM



1 PARKING LOT ILLUMINATION PLAN

SCALE: GRAPHIC

30' 0 30' 60'

GENERAL NOTES:

1. WHEN POLE LOCATION IS WITHIN 10' OF A UTILITY, EXCAVATE A HOLE TO 12" BELOW ANTICIPATED UTILITY'S DEPTH WITH A VACTOR TRUCK BEFORE DRIVING PILE. CONTRACTOR SHALL STAKE LUMINAIRE POLE LOCATIONS IN THE FIELD FOR ENGINEER REVIEW AND APPROVAL PRIOR TO INSTALLATION OF PILES.
2. ALL CONDUIT BETWEEN JUNCTION BOXES SHALL BE HDPE WITH MINIMUM 5' RMC BETWEEN RMC RISER AND HDPE CONDUIT. ALL CONDUIT SHALL BE INSTALLED USING TRENCH AND BACKFILL PER THE SPECIFICATIONS. INSTALLATION BY PLOWING IS NOT ALLOWED.
3. INSTALL THE JUNCTION BOX WITHIN 3' OF THE POLE. DO NOT INSTALL JUNCTION BOXES IN SIDEWALKS, PATHWAYS, TRAILS, OR DRAINAGE DITCHES. JUNCTION BOXES INSTALLED BEHIND SIDEWALKS, PATHWAYS OR TRAILS SHALL HAVE A MINIMUM SETBACK OF 2' AND BE PLACED BEHIND OR ON THE DOWN TRAFFIC SIDE OF FOUNDATIONS.
4. IN THE DRAWINGS, EACH JUNCTION BOX HAS THE SAME IDENTIFYING NUMBER AS THE LIGHT POLE NEXT TO IT. FOR JUNCTION BOXES LOCATED BETWEEN POLES, THE IDENTIFYING NUMBER INCLUDES THE SMALLER OF THE TWO POLE NUMBERS BETWEEN WHICH THE JUNCTION BOX IS LOCATED AND AN "A" SUFFIX.

SHEET NOTES:

1. ROUTE CONDUCTORS BACK TO EXISTING LIGHTING CONTACTORS THOUGH EXISTING CONDUIT.
2. INTERSECT EXISTING HOCKEY RINK AND PLAYGROUND LIGHTING CONDUIT WITH NEW JUNCTION BOX AND PRESERVE CONDUIT TO LIGHTING. INSTALL NEW CONDUCTORS TO SERVE EXISTING AND NEW LIGHTING.
3. 1-1/2"C, 6#8 (6H), 5#6 (4H, G).
4. 1-1/2"C, 7#8 (6H, G).
5. EXISTING 1"C, NEW 3#8 (2H, G), EXISTING 1"C, NEW 3C#8 (2H, G), EXISTING 1"C, NEW 2#8 (2H), 3#6 (2H, G).
6. 1-1/2"C, 2#8 (2H), 3#6 (2H, G).
7. 1"C, 5#8 (4H, G).
8. 1"C, 3#8 (2H, G).
9. 1"C, 3#6 (2H, G).
10. FIELD LOCATE JUNCTION BOX TO INTERCEPT (5) EXISTING CONDUIT FOR PARKING LOT, PLAYGROUND AND HOCKEY LIGHTING FROM BUILDING. INSTALL SWEEPS AND RISERS TO ROUTE CONDUITS TO NEW JUNCTION BOX. PRESERVE CONDUIT AND CONDUCTORS FOR COURTYARD/TRAIL LIGHTING TO THE SOUTH.
11. EXISTING 1"C, NEW 5#8 (4H, G), EXISTING 1"C, NEW 5C#8 (4H, G), EXISTING 1"C, NEW 5#8 (4H, G), EXISTING 1"C, NEW 2#8 (2H), 3#6 (2H, G), EXISTING 1"C, NEW 4#6 (4H, G).

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FAX: (907) 677-3637

STATE OF ALASKA
49TH
JAMES M. HEBERT
CE-14011
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID –
SEWER GRID –

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ILLUMINATION PLAN

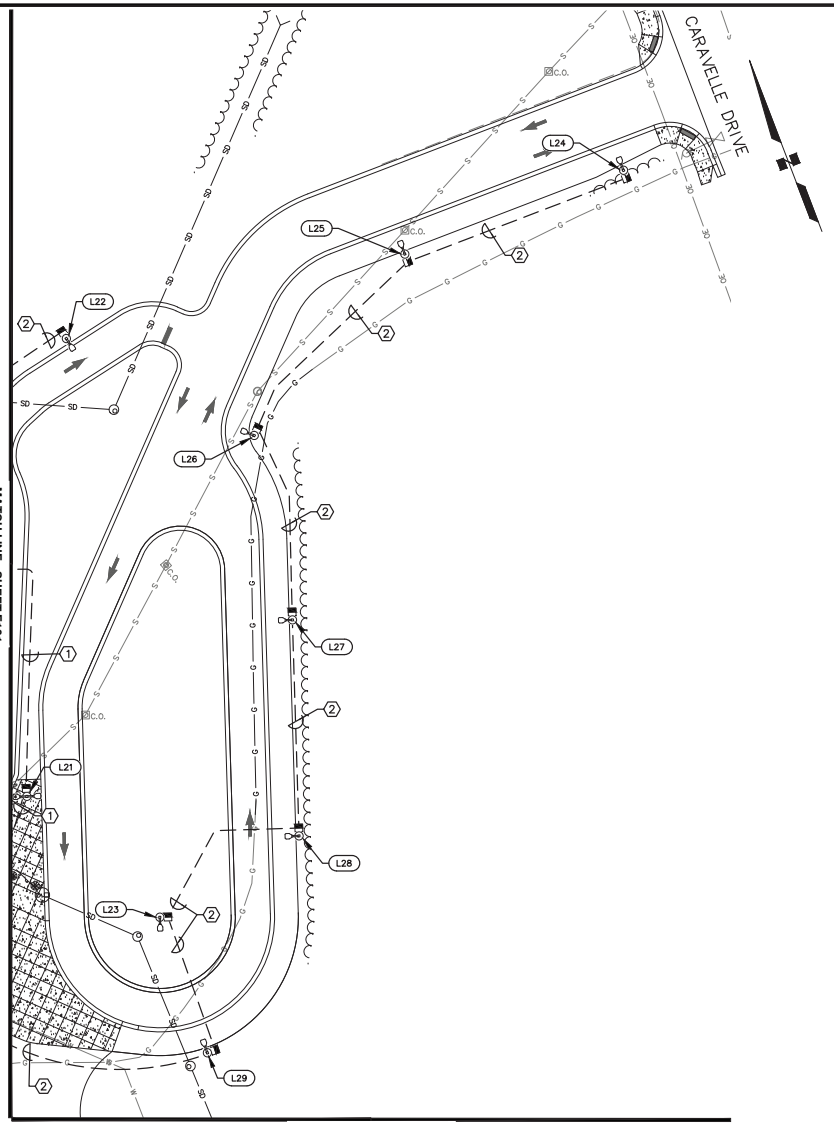
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SHEET NO.
E101

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1 **BUS LOOP ILLUMINATION PLAN**

SCALE: GRAPHIC

30' 0 30' 60'

GENERAL NOTES:

1. WHEN POLE LOCATION IS WITHIN 10' OF A UTILITY, EXCAVATE A HOLE TO 12" BELOW ANTICIPATED UTILITY'S DEPTH WITH A VACTOR TRUCK BEFORE DRIVING PILE. CONTRACTOR SHALL STAKE LUMINAIRE POLE LOCATIONS IN THE FIELD FOR ENGINEER REVIEW AND APPROVAL PRIOR TO INSTALLATION OF PILES.
2. ALL CONDUIT BETWEEN JUNCTION BOXES SHALL BE HDPE WITH MINIMUM 5' RMC BETWEEN RMC RISER AND HDPE CONDUIT. ALL CONDUIT SHALL BE INSTALLED USING TRENCH AND BACKFILL PER THE SPECIFICATIONS. INSTALLATION BY PLOWING IS NOT ALLOWED.
3. INSTALL THE JUNCTION BOX WITHIN 3' OF THE POLE. DO NOT INSTALL JUNCTION BOXES IN SIDEWALKS, PATHWAYS, TRAILS, OR DRAINAGE DITCHES. JUNCTION BOXES INSTALLED BEHIND SIDEWALKS, PATHWAYS OR TRAILS SHALL HAVE A MINIMUM SETBACK OF 2' AND BE PLACED BEHIND OR ON THE DOWN TRAFFIC SIDE OF FOUNDATIONS.
4. IN THE DRAWINGS, EACH JUNCTION BOX HAS THE SAME IDENTIFYING NUMBER AS THE LIGHT POLE NEXT TO IT. FOR JUNCTION BOXES LOCATED BETWEEN POLES, THE IDENTIFYING NUMBER INCLUDES THE SMALLER OF THE TWO POLE NUMBERS BETWEEN WHICH THE JUNCTION BOX IS LOCATED AND AN "A" SUFFIX.

⬡ SHEET NOTES:

1. 1"C, 5#8 (4H, G).
2. 1"C, 3#8 (2H, G).

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STATE OF ALASKA
JAMES R. HANNA
EE-14611
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.	CITY GRID	WATER GRID	SEWER GRID
10417.00	SW2124	-	-

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ILLUMINATION PLAN

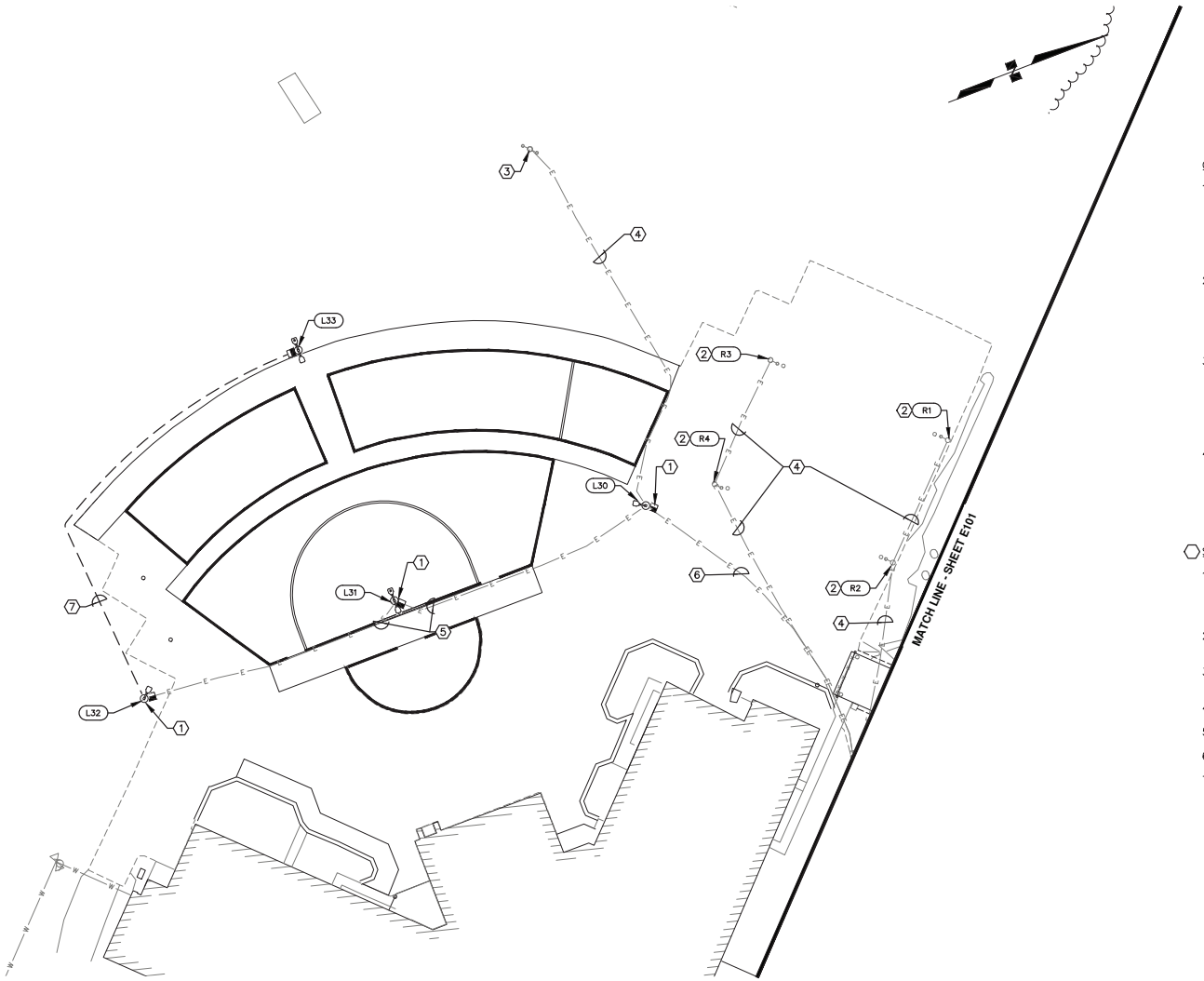
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VER.: N/A
DESIGNED BY: JH
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APPROVED BY: TK

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E102

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1 **PLAYGROUND ILLUMINATION PLAN**
SCALE: GRAPHIC

30' 0 30' 60'

GENERAL NOTES:

1. WHEN POLE LOCATION IS WITHIN 10' OF A UTILITY, EXCAVATE A HOLE TO 12" BELOW ANTICIPATED UTILITY'S DEPTH WITH A VACTOR TRUCK BEFORE DRIVING PILE. CONTRACTOR SHALL STAKE LUMINAIRE POLE LOCATIONS IN THE FIELD FOR ENGINEER REVIEW AND APPROVAL PRIOR TO INSTALLATION OF PILES.
2. ALL CONDUIT BETWEEN JUNCTION BOXES SHALL BE HDPE WITH MINIMUM 5' RMC BETWEEN RMC RISER AND HDPE CONDUIT. ALL CONDUIT SHALL BE INSTALLED USING TRENCH AND BACKFILL PER THE SPECIFICATIONS. INSTALLATION BY PLOWING IS NOT ALLOWED.
3. INSTALL THE JUNCTION BOX WITHIN 3' OF THE POLE. DO NOT INSTALL JUNCTION BOXES IN SIDEWALKS, PATHWAYS, TRAILS, OR DRAINAGE DITCHES. JUNCTION BOXES INSTALLED BEHIND SIDEWALKS, PATHWAYS OR TRAILS SHALL HAVE A MINIMUM SETBACK OF 2' AND BE PLACED BEHIND OR ON THE DOWN TRAFFIC SIDE OF FOUNDATIONS.
4. IN THE DRAWINGS, EACH JUNCTION BOX HAS THE SAME IDENTIFYING NUMBER AS THE LIGHT POLE NEXT TO IT. FOR JUNCTION BOXES LOCATED BETWEEN POLES, THE IDENTIFYING NUMBER INCLUDES THE SMALLER OF THE TWO POLE NUMBERS BETWEEN WHICH THE JUNCTION BOX IS LOCATED AND AN "A" SUFFIX.

⬡ SHEET NOTES:

1. INSTALL JUNCTION BOX AT LOCATION OF REMOVED LIGHT POLE AND INTERSECT EXISTING CONDUIT. INSTALL NEW CONDUCTORS IN EXISTING CONDUIT TO POWER NEW LIGHTS.
2. PRESERVE LIGHT POLES AND FOUNDATIONS AND REPLACE LUMINAIRES.
3. PRESERVE LIGHT POLE, FOUNDATION AND LUMINAIRES.
4. EXISTING 1"C, NEW 3#8 (2H, G).
5. EXISTING 1"C, NEW 3#6 (2H, G).
6. EXISTING 1"C, NEW 2#8 (2H), 3#6 (2H, G).
7. 1"C – 3#6 (2H, G).

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PHONE: (907) 522-1707
AECC-USBE-AK

STATE OF ALASKA — 49TH — REGISTERED ENGINEER — JAMES R. HANNA — EE-14611 — 10/23/2026 — PROFESSIONAL ENGINEER

PROJECT NO.	CITY GRID	WATER GRID	SEWER GRID
10417.00	SW2124	-	-

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ILLUMINATION PLAN

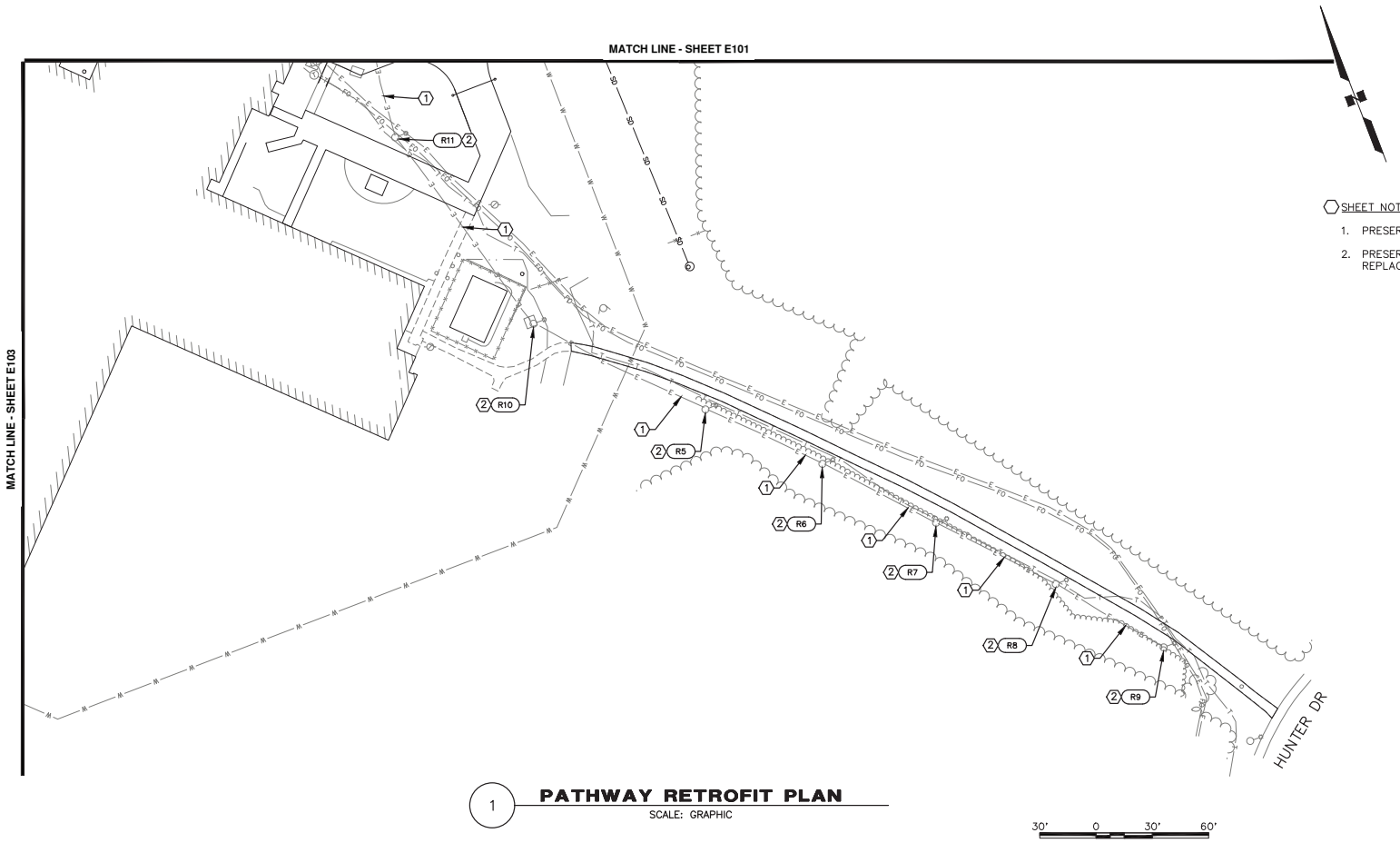
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SHEET NOTES:

1. PRESERVE CONDUIT AND CONDUCTORS.
2. PRESERVE LIGHT POLES AND FOUNDATIONS AND REPLACE LUMINAIRES.

1 **PATHWAY RETROFIT PLAN**
SCALE: GRAPHIC

30' 0 30' 60'

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3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
PHONE: (907) 677-3637
AECC3853-AK

STATE OF ALASKA
JAMES HOWARD
EE-14011
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID –
SEWER GRID –

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ILLUMINATION PLAN

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VERT. N/A
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SHEET NO.
E104

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NEW LUMINAIRES SCHEDULE

POLE	NORTHING	EASTING	SHAFT LENGTH	FOUNDATION DETAIL	LUMENS	DISTRIBUTION	CIRCUIT
L1	318915.5	332923.8	29'	SEE 5/E302	30,000	TYPE 3, MEDIUM*	LS17, 19
					30,000	TYPE 3, MEDIUM	
L2	318797.8	332914.0	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS17, 19
L3	318702.8	332987.5	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS17, 19
L4	318606.2	333085.6	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS17, 19
L5	318515.8	333172.0	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM	LS17, 19
L6	318441.2	333249.7	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS17, 19
L7	318838.1	332986.4	29'	SEE 7/E301	22,000	TYPE 2, MEDIUM	LS21, 23
L8	318765.9	333026.4	29'	SEE 7/E301	22,000	TYPE 4, MEDIUM	LS21, 23
L9	318787.0	333100.8	29'	SEE 7/E301	22,000	TYPE 2, MEDIUM	LS21, 23
L10	318718.9	333122.5	29'	SEE 7/E301	22,000	TYPE 2, MEDIUM*	LS21, 23
					30,000	TYPE 3, MEDIUM	
L11	318590.4	333195.7	29'	SEE 7/E301	30,000	TYPE 4, MEDIUM	LS21, 23
L12	318631.6	333313.0	29'	SEE 7/E301	22,000	TYPE 4, MEDIUM*	LS25, 27
					22,000	TYPE 4, MEDIUM	
L13	318548.9	333253.0	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS25, 27
L14	318519.7	333359.4	29'	SEE 7/E301	30,000	TYPE 4, MEDIUM	LS25, 27
L15	318480.5	333373.5	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS25, 27
L16	318402.9	333355.3	29'	SEE 7/E301	30,000	TYPE 4, MEDIUM	LS25, 27
L17	318726.7	333248.1	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM	LS29, 31
					30,000	TYPE 4, MEDIUM*	
L18	318655.9	333412.0	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM	LS29, 31
					30,000	TYPE 4, MEDIUM*	
L19	318560.3	333498.4	29'	SEE 7/E301	30,000	TYPE 4, MEDIUM	LS29, 31
					22,000	TYPE 2, MEDIUM*	
L20	318356.6	333428.4	29'	SEE 7/E301	22,000	TYPE 4, MEDIUM	LS33, 35
L21	318448.2	333494.3	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM*	LS33, 35
					22,000	TYPE 2, MEDIUM	
L22	318648.2	333591.5	27'	SEE 2/E301	30,000	TYPE 2, MEDIUM	LS33, 35
L23	318370.6	333533.3	29'	SEE 7/E301	30,000	TYPE 5, MEDIUM	LS37, 39
L24	318627.7	333872.3	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM	LS37, 39
L25	318627.7	333759.0	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM	LS37, 39
L26	318571.9	333659.5	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS37, 39
L27	318481.9	333644.8	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM	LS37, 39
L28	318383.2	333610.3	29'	SEE 7/E301	30,000	TYPE 2, MEDIUM	LS37, 39
L29	318301.1	333531.3	29'	SEE 7/E301	30,000	TYPE 3, MEDIUM	LS37, 39
L30	318461.2	333000.6	27'	SEE 2/E301	40,000	TYPE 4, MEDIUM	LS22, 24
L31	318321.5	332999.8	27'	SEE 2/E301	50,000	TYPE 4, MEDIUM*	LS26, 28
					30,000	TYPE 3, MEDIUM	
L32	318181.7	333000.7	27'	SEE 2/E301	40,000	TYPE 4, MEDIUM	LS26, 28
L33	318321.5	332860.4	27'	SEE 2/E301	40,000	TYPE 3, MEDIUM*	LS26, 28
					30,000	TYPE 2, MEDIUM	

NOTE: OPTICS WITH AN (*) CORRESPOND TO THE LUMINAIRE WITH THE SYMBOL ON THE SITE PLANS

EXISTING LUMINAIRE RETROFIT SCHEDULE

POLE	LUMENS	DISTRIBUTION	CIRCUIT
R1	30,000	TYPE 3, MEDIUM	LS2, 4
R2	30,000	TYPE 3, MEDIUM	LS2, 4
R3	30,000	TYPE 3, MEDIUM	LS10, 12
R4	30,000	TYPE 3, MEDIUM	LS10, 12
R5	9,000	TYPE 2, MEDIUM	LS13, 15
R6	9,000	TYPE 2, MEDIUM	LS13, 15
R7	9,000	TYPE 2, MEDIUM	LS13, 15
R8	9,000	TYPE 2, MEDIUM	LS13, 15
R9	9,000	TYPE 2, MEDIUM	LS13, 15
R10	22,000	TYPE 5, MEDIUM	LS13, 15
R11	22,000	TYPE 5, MEDIUM	LS13, 15

JUNCTION BOX SCHEDULE

J-BOX	TYPE	CIRCUIT	NORTHING	EASTING	NOTES
J16A	2	LS-2,4,10,12, 17,19,21-29, 31,33,35,37,39	FIELD LOCATE, SEE NOTE		LOCATE TO INTERCEPT EXISTING LIGHTING CONDUITS FROM BUILDING, SEE NOTE 10, SHEET E101.

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

LOCATION	NOTE:	PANEL	INTERRUPT RATING	INSTALLATION:
MECHANICAL ROOM	EXISTING PANEL	LS		SURFACE MOUNT

VOLTAGE	CONNECTION	TYPE	MAIN	AVAILABLE FAULT CURRENT:	SOURCE:
208 / 120V	3 φ — 4 W	MLO	400A		"PE"

CKT #	TRIP/ POLES	CIRCUIT DESCRIPTION	NOTE	VA	LOAD TYPE	CONNECTED KVA Aφ	Bφ	Cφ	TRIP/ POLES	CIRCUIT DESCRIPTION	NOTE	VA	LOAD TYPE	CKT #
1	20/1	W BLDG LTG – A WING		1025	L	1.2	–	–	20/2	N HOCKEY LTG		202	L	2
3	20/1	SE ENTRY & UPPER GYM LTG		760	L	–	1.0	–		R1–R2		202	L	4
5	20/1	S BLDG LTG – D WING		1050	L	–	–	1.1	20/2	SPARE				6
7	20/1	FRONT ENTRY LTG		450	L	0.5	–	–						8
9	20/1	SE BLDG LTG – C WING		1050	L	–	1.3	–	20/2	S HOCKEY LTG		202	L	10
11	20/1	SPARE				–	–	0.2		R3–R4		202	L	12
13	20/2	PATHWAY AND RELO POLE LTG		282	L	0.3	–	–	20/2	SPARE				14
15		R5–R11		282	L	–	0.3	–						16
17	20/2	PARKING ENTRANCE LP LTG		706	L	–	–	0.7	20/2	SPARE				18
19		L1–L6		706	L	0.7	–	–						20
21	20/2	W PARKING LOT LTG		466	L	–	1.0	–	20/2	PLAYGROUND & SLED HILL LTG		539	L	22
23		L7–L11		466	L	–	–	1.0		L30, (E) LIGHT		539	L	24
25	20/2	ENTRANCE /MID PARKING LTG		535	L	1.2	–	–	20/2	PLAYGROUND LTG		700	L	26
27		L12–L16		535	L	–	1.2	–		L31–L33		700	L	28
29	20/2	N&E PARKING LTG		570	L	–	–	0.7	20/1	HOCKEY TIMER SWITCH		100	S	30
31		L17–L19		570	L	0.6	–	–	20/1	SPARE				32
33	20/2	BUS LP WEST & CENTER LTG		636	L	–	0.6	–	30/2	HEAT TRACE			650	34
35		L20–L22, L24–L26		636	L	–	–	0.6					650	36
37	20/2	BUS LP SIDEWALK AND PAD LTG		706	L	0.7	–	–	20/1	SPARE				38
39		L23, L27–L29		706	L	–	0.7	–	20/1	SPARE				40
41	20/1	OUTSIDE LTG CONTACTOR		100	S	–	–	0.7	20/1	DOMESTIC HOT WATER HEATER		623	S	42
			TOTAL LOAD / PHASE:			5.2	6.1	5.0	KVA					
			DEMAND CURRENT / PHASE:			53	63	51	AMPS					

SUMMARY LOADS (KVA)

LOAD TYPE:	C	L	MM	M	N	R	X	S	
CONNECTED:	0.0	15.4	0.0	0.0	0.0	0.0	0.0	0.8	
DEMAND:	0.0	19.3	0.0	0.0	0.0	0.0	0.0	0.8	

TOTALS	KVA	AMPS
CONNECTED:	16.2	45
DEMAND:	20.1	56

VOLTAGE DROP

CIRCUIT	VOLTAGE	AMPS	DIST.	AWG	%VD
LS2, 4	208	1.68	447	#8	0.58
LS10, 12	208	1.68	505	#8	0.65
LS17, 19	208	5.88	825	#6	2.4
LS21, 23	208	3.88	773	#8	2.3
LS22, 24	208	4.49	661	#8	2.3
LS25, 27	208	4.46	379	#8	1.3
LS26, 28	208	5.83	987	#6	2.8
LS29, 31	208	4.75	688	#8	2.5
LS33, 35	208	5.30	363	#8	1.5
LS37, 39	208	3.36	742	#8	1.9

NOTE: DISTANCES ARE POINT–POINT MEASUREMENTS ALONG CONDUITS DRAWN AND DO NOT FACTOR LENGTHS SUCH AS CHANGES IN ELEVATION OR TERMINATIONS.

LUMINAIRE SCHEDULE

TYPE	SYMBOL	MAKE	MODEL	LUMENS	CCT*	DISTRIBUTION	VOLTAGE	COLOR	LOCATION	MOUNT
AREA		CREE	OSQ	SEE POLE SCHEDULE	4000K	SEE POLE SCHEDULE	240	BRONZE	SEE POLE SCHEDULE	DIRECT MOUNT (OSQ–ML–B–DA)

*CCT = CORRELATED COLOR TEMPERATURE

DRAWINGS

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD, SUITE 300
ANCHORAGE, ALASKA 99503
PHONE (907) 677-3637
AECC3553-AK

STATE OF ALASKA
JAMES HOWARD
CE-11401
49TH
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID –
SEWER GRID –

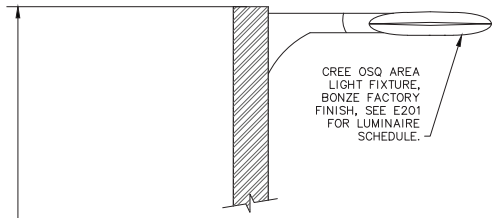
KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ELECTRICAL SCHEDULES

DATE: 10/23/2026
STATUS: BID SET

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REVISION			

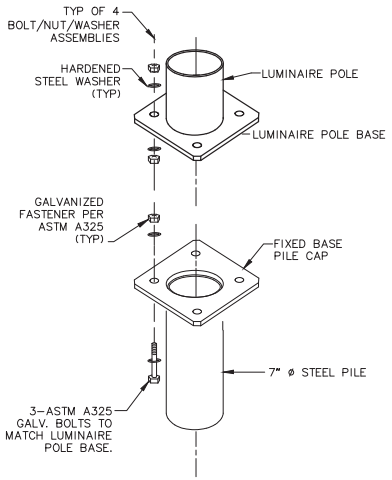
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DRAWN BY JH
CHECKED BY TK
APPROVED BY TK
SHEET NO.
E201

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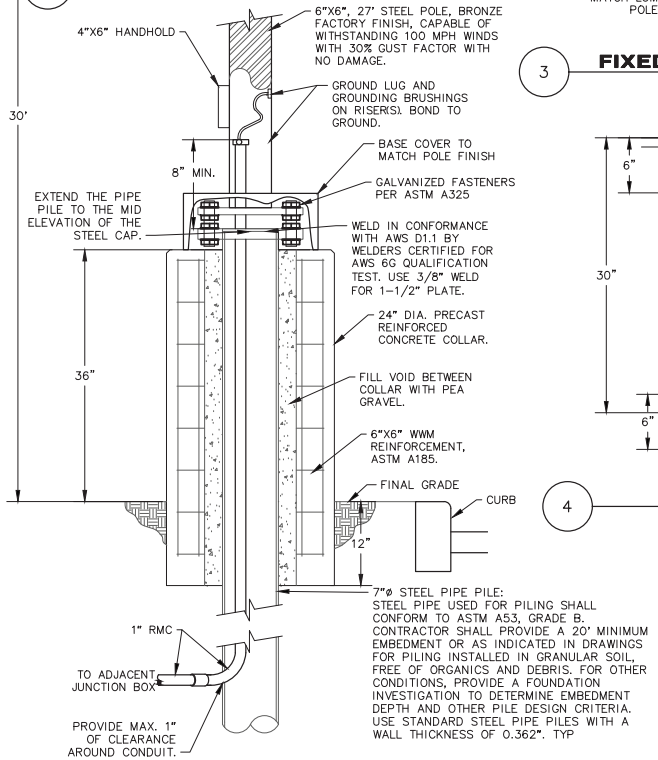
1 SINGLE LIGHTING FIXTURE ELEVATION

SCALE: NTS



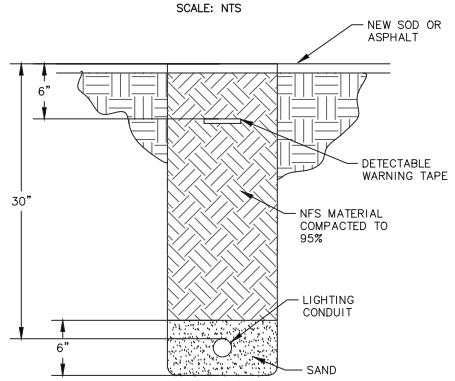
3 FIXED BASE ASSEMBLY DETAIL

SCALE: NTS



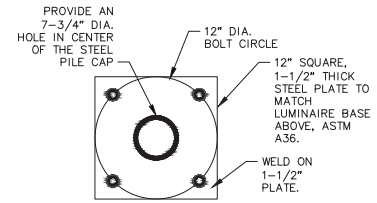
2 3' CONCRETE ENCLOSED PILING FOUNDATION DETAIL

SCALE: NTS



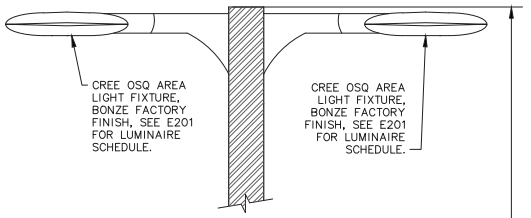
4 TYPICAL TRENCH DETAIL

SCALE: NTS



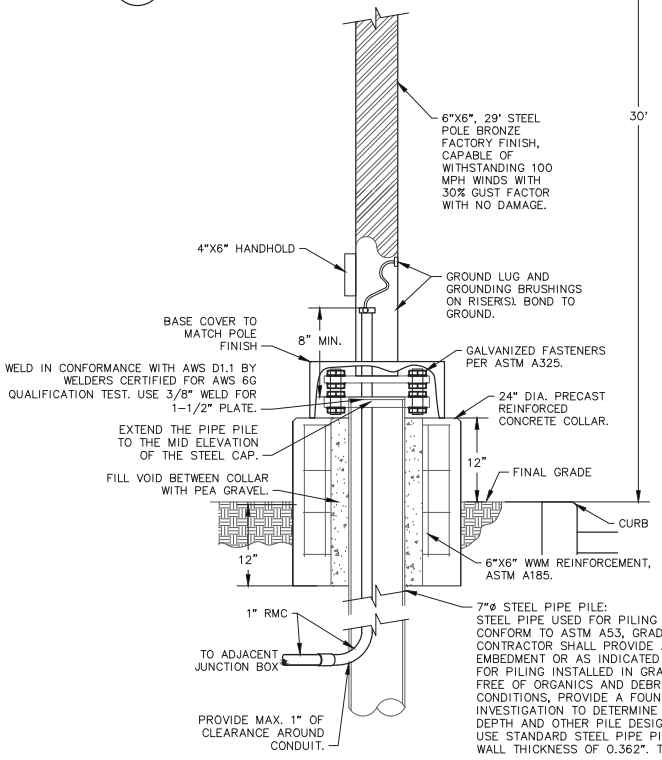
5 PILING BASE PLATE PLAN

SCALE: NTS



6 DOUBLE LIGHTING FIXTURE ELEVATION

SCALE: NTS



7 1' CONCRETE ENCLOSED PILING FOUNDATION DETAIL

SCALE: NTS

CRW ENGINEERING GROUP, INC.
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STATE OF ALASKA
JAMES M. HANNA
CE-14611
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. 10417.00
CITY GRID SW2124
WATER GRID –
SEWER GRID –

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ELECTRICAL DETAILS

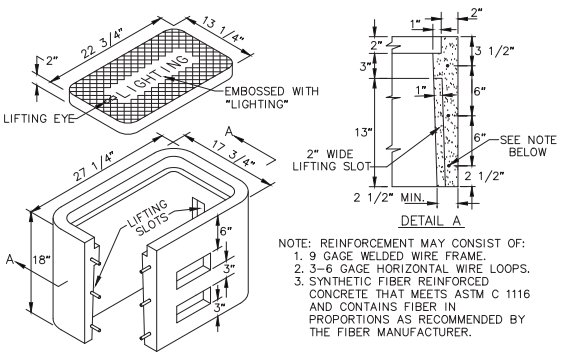
STATUS: BID SET
DATE: 10/23/2026

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REVISION			

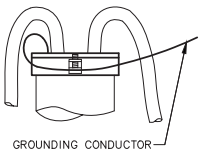
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SHEET NO.
E301

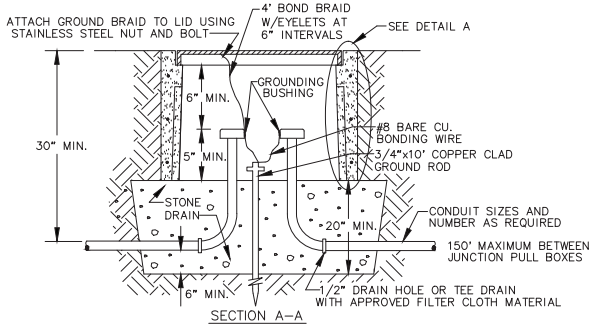
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NOTE: REINFORCEMENT MAY CONSIST OF:
1. 9 GAGE WELDED WIRE FRAME.
2. 3-6 GAGE HORIZONTAL WIRE LOOPS.
3. SYNTHETIC FIBER REINFORCED CONCRETE THAT MEETS ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER.



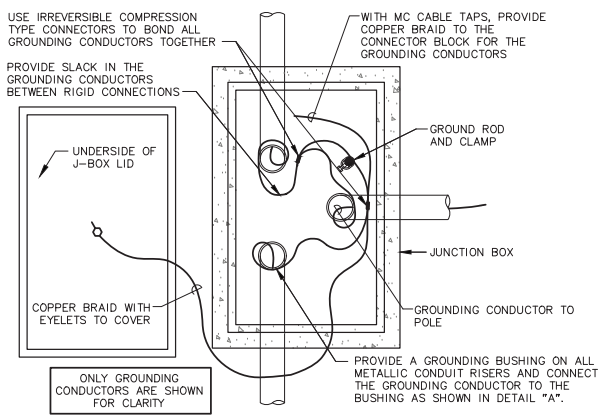
DETAIL A



NOTE: FOR ALL NEW CONDUIT, RISERS AND SWEEPS SHALL BE RMC.

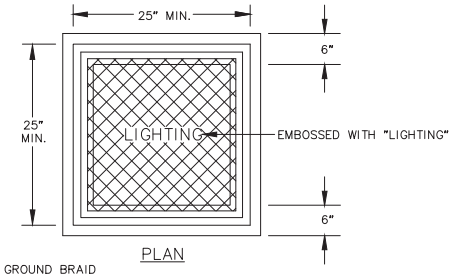
1 TYPE 1A JUNCTION BOX DETAIL

SCALE: NTS

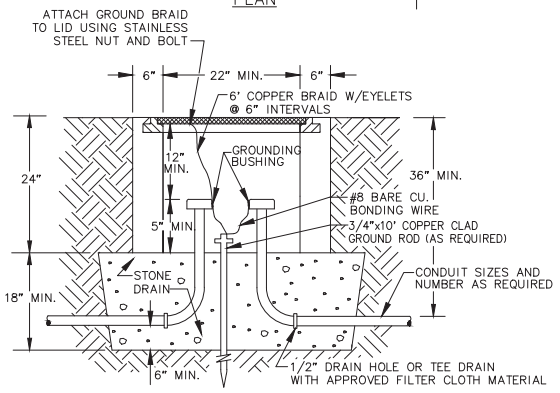


4 JUNCTION BOX GROUNDING DETAIL

SCALE: NTS



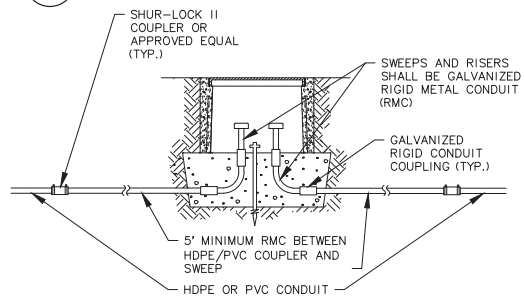
PLAN



SECTION

2 TYPE II JUNCTION BOX DETAIL

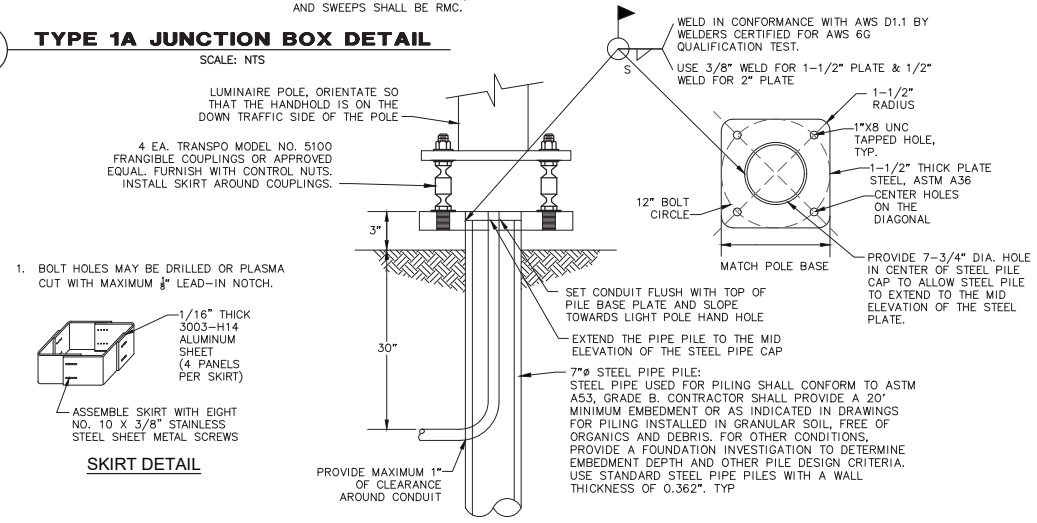
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SIZE CONDUIT AS SHOWN ON DRAWINGS

3 HDPE/PVC TRANSITION DETAIL

SCALE: NTS



1. BOLT HOLES MAY BE DRILLED OR PLASMA CUT WITH MAXIMUM 3/4" LEAD-IN NOTCH.

SKIRT DETAIL

5 DRIVEN PILE LUMINAIRE POLE FOUNDATION BREAKAWAY BASE

SCALE: NTS

CRW ENGINEERING GROUP, LLC
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STATE OF ALASKA — 49TH — REGISTERED PROFESSIONAL ENGINEER — JAMES R. HANNA — EE-1401 — 10/23/2026

PROJECT NO.	CITY GRID	WATER GRID	SEWER GRID
10417.00	SW2124	-	-

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
ELECTRICAL DETAILS

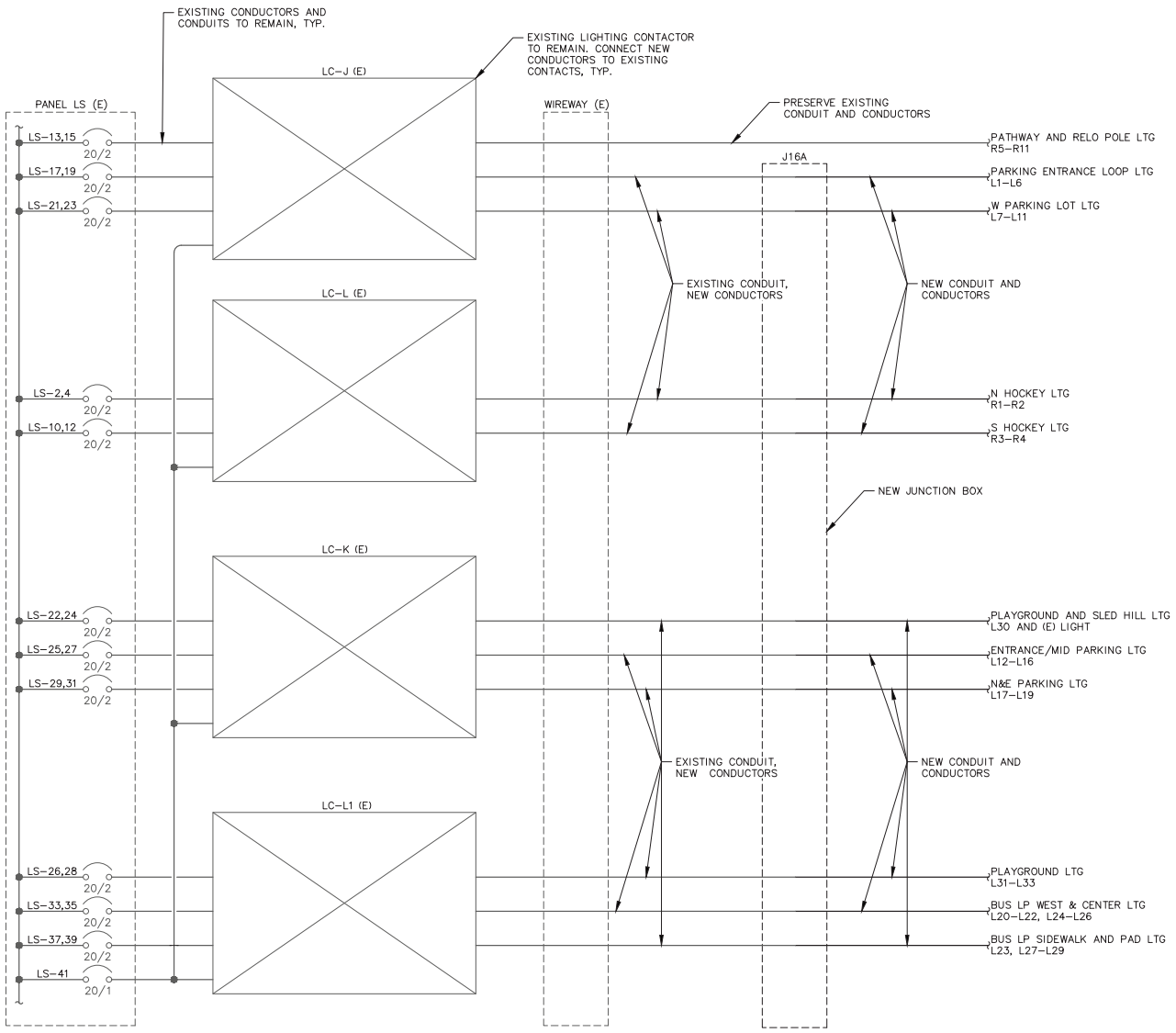
DATE: 10/23/2026
STATUS: BID SET

REV	DATE	DESCRIPTION	BY
REVISION			

SCALE: HOR: N/A VERT: N/A
DESIGNED BY: JH
DRAWN BY: JH
CHECKED BY: TK
APPROVED BY: TK

SHEET NO.
E302

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1 **SITE LIGHTING CONTROL SCHEMATIC**

SCALE: NTS

DRAWINGS

CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
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PHONE (907) 522-1707
FAX (907) 522-3853 AK

STATE OF ALASKA
JAMES HOWARD
CES-14011
49TH
10/23/2026
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.	10417.00
CITY GRID	SW2124
WATER GRID	–
SEWER GRID	–

KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENTS
ANCHORAGE SCHOOL DISTRICT
4900 RASPBERRY ROAD, ANCHORAGE, AK 99502
SITE LIGHTING CONTROL SCHEMATIC

STATUS: BID SET DATE: 10/23/2026

REV	DATE	DESCRIPTION	BY
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DESIGNED BY JH
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E303

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Perimeter Landscaping Requirements

		N1	N2	E1	E2	S1	S2	S3	W1
CODE BASIS	Landscape Type	Site Per	Pkg Per	Pkg Per	Site Per	Site Per	Site Per	Site Per	Pkg Per
	Landscape Level	L1	L1	L1	L1	L1	L2	L1	L1
	Length of Perimeter (LF)	750'	594'	379'	641'	233'	951'	288'	360'
CODE REQUIREMENTS	Required Trees	38	30	19	32	12	48	14	18
	Deciduous								
	Evergreen								
	Required Shrubs	225	179	114	192	70	285	86	108
OPTIONAL CREDITS USED	Existing Vegetation	Native Mass	Native Mass	Native Mass	Native Mass	N/A	Native Mass	Native Mass	Native Mass
ADJUSTED REQUIREMENTS	Adjusted Req'd Trees	0	0	0	0	12	0	0	0
	Deciduous								
	Evergreen								
	Adjusted Req'd Shrubs	0	0	0	0	70	0	0	0
LANDSCAPE PROVIDED	Total Trees Provided	0	0	0	0	12	0	0	0
	Deciduous								
	Evergreen								
	Total Shrubs Provided	0	0	0	0	70	0	0	0
CODE COMPARISON	Trees Above Code	+0	+0	+0	+0	+0	+0	+0	+0
	Shrubs Above Code	+0	+0	+0	+0	+0	+0	+0	+0

*For required landscape level see Sec. 21.07.08 Table 21.07-2: Minimum Site Perimeter Landscaping - By Abutting District or Street.
*For landscape requirements see Sec. 21.07.08 Table 21.07-1: Landscaping Specifications.
*Per section 21.07.08.E.2.b.i parking lots with 10 or greater spaces require parking lot perimeter landscaping.

Parking Lot Interior Landscaping Requirements

TOTAL AREA OF PARKING LOT AND APPURTENANT DRIVEWAYS (SF)	52,003	
TOTAL NUMBER OF PARKING SPACES	134	
LANDSCAPE REQUIREMENTS		REQUIRED
	REQUIRED PLANTING BED (SF)	4,160
	REQUIRED TREES (1 per 150sq.ft.)	28
	REQUIRED SHRUBS (6 per Tree)	166
LANDSCAPE PROVIDED	PLANTING BED (SF)	4,245
	TOTAL TREES PROVIDED	28
	TOTAL SHRUBS PROVIDED	169
CODE COMPARISON	PLANTING BED (SF)	+85
	TREES ABOVE CODE	+0
	SHRUBS ABOVE CODE	+3

*For Parking Lot Interior Landscaping requirements see section 21.07.08.E.2.c
Summary: Parking lot interior landscaping is required for any parking lot with 40 or more parking spaces. Lots with 40-100 spaces require at least 5% to be devoted to landscaping. 101 to 200 spaces require at least 8% to devoted to landscaping. Greater than 200 spaces require at least 10% to be devoted to landscaping.
*For landscape requirements see Sec. 21.07.08 Table 21.07-1: Landscaping Specifications.
*For existing individual tree specimen credits, see Sec. 21.07.080.F.d

Bicycle Parking Space Requirements

	REQUIRED	EXISTING	PROVIDED	CODE COMPARISON
TOTAL NUMBER OF PARKING SPACES			136	
TOTAL BICYCLE PARKING SPACES	4	55	0	+51

*For Bicycle Parking Space requirements see Sec. 21.07.090.K.
Summary: 4 Bicycle parking spaces are required for developments with greater than 40 vehicle parking spaces or 3% of the number of vehicle parking spaces required per Table 21.07-4, whichever is greater (136 vehicle parking spaces x 3% = 4.08 bike parking spaces). Specs shall meet standards per 21.07.606.F15.

Outdoor Space Requirements

	REQUIRED	PROVIDED	CODE COMPARISON
MAIN BUILDING CLASSROOM SPACE (SF)		33,709	
RELOCATABLE BUILDING CLASSROOM SPACE (SF)		3,006	
TOTAL COMBINED CLASSROOM SPACE (SF)		36,715	
TOTAL OUTDOOR SPACE	73,430	522,720	+449,290

*For Child Care Outdoor Space requirements see Sec. 21.05.040.E

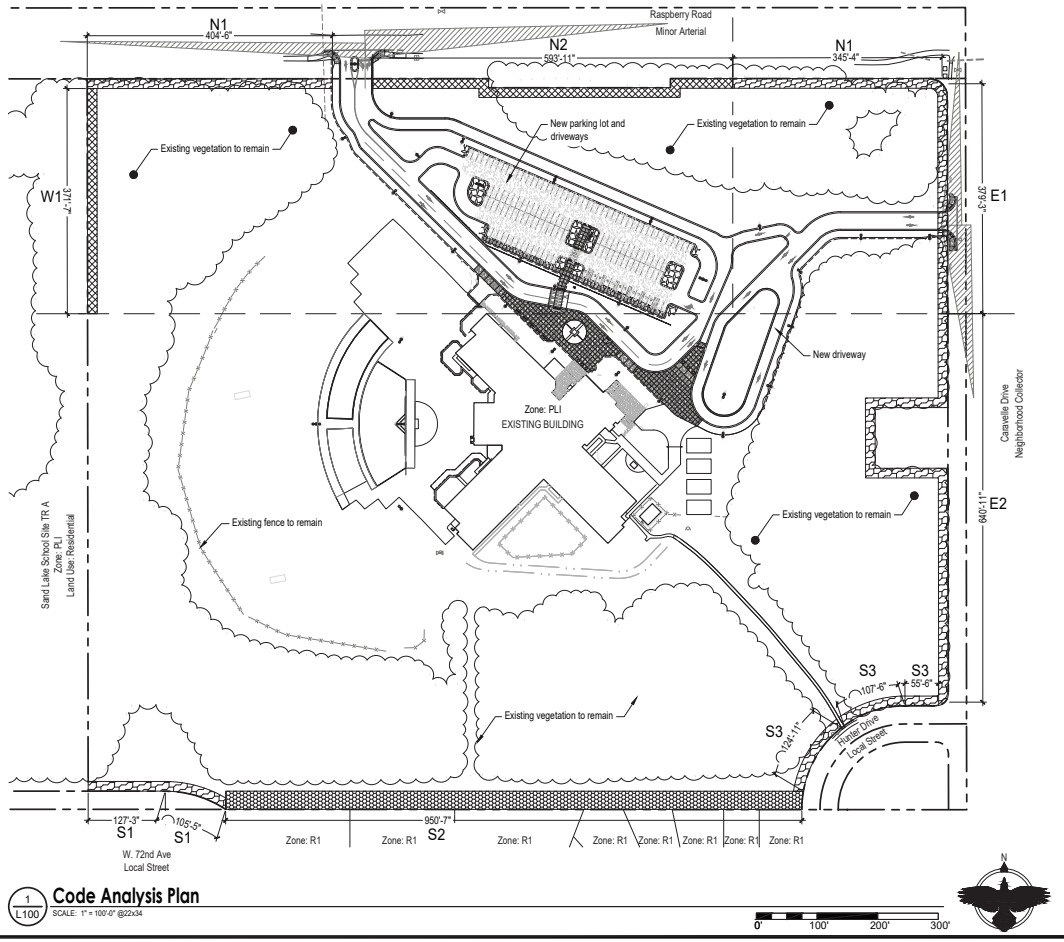
Title 21 Master Table (New Code)

Conformance per 21.12.060-C1	Yes. Site is being brought fully into conformance.
Site Perimeter Landscaping	Required. See Table this sheet.
Parking Lot Landscaping: Perimeter	Required. See Table this sheet.
Parking Lot Landscaping: Interior	Required. See Table this sheet.
Bicycle Parking Spaces	Required. See Table this sheet.
Open Space Requirements	Required. See Table this sheet.
Site Distance Triangles	45 MPH. See Plans.
Dumpster Screening	Required.
Landscape Warranty	See below

*Per MOA 21.07.080:F4.B a secured two year landscape guarantee in the form of a bond/surety/escrow is required to be provided to the MOA prior to landscape inspection. At the end of the two year period, this will be released back to the client providing that the landscape meets or exceeds the quantity and quality established by the permit set. At a minimum, this will require a letter attesting to meeting these minimums, issued by a landscape architect or arborist. Services related to this inspection are not included within this fee, but can be provided as an additional service to be billed as time and expenses or a negotiated lump sum.

Code Plan Legend

- Paved Parking Lot Area Contributing to Parking Lot Interior Requirements
- Site Perimeter Landscaping (L1)
- Site Perimeter Landscaping (L2)
- Parking Lot Perimeter Landscaping (L1)
- Parking Lot Interior Landscaping



1 L100 **Code Analysis Plan**
SCALE: 1" = 100'-0" @22x34

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CODE ANALYSIS

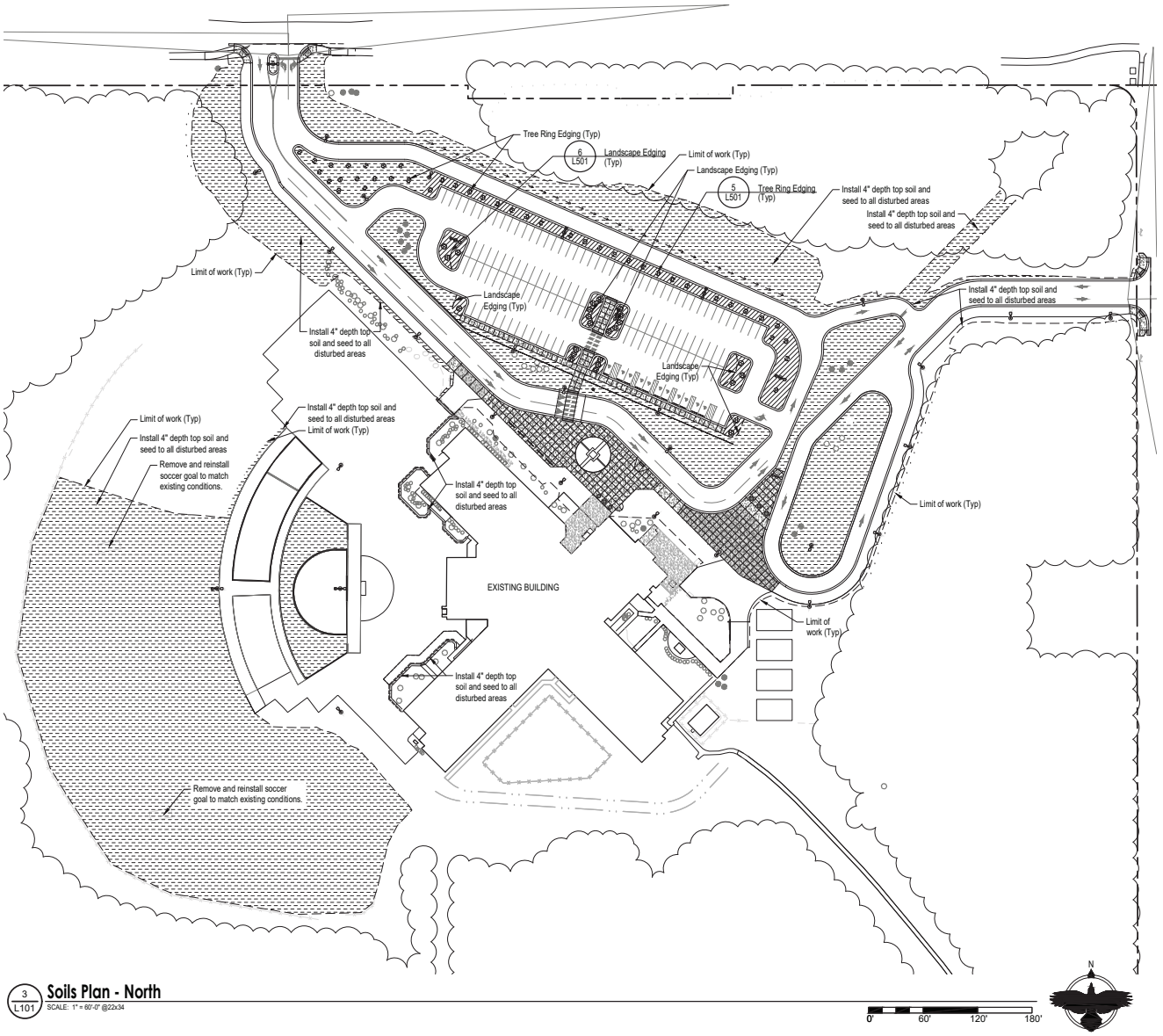
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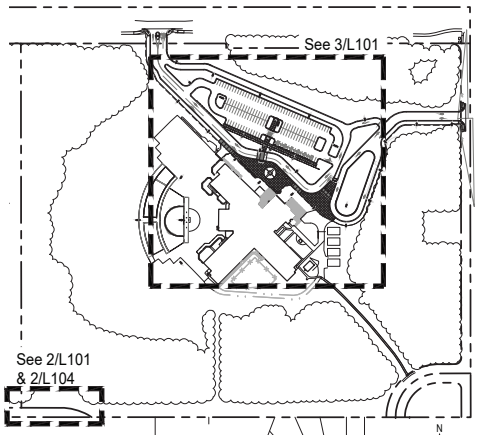
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DRAWN BY BL
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APPROVED BY PB

SHEET NO.
L100

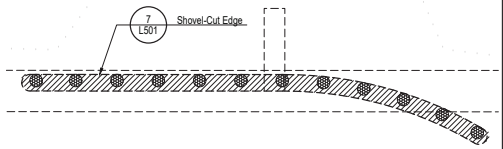
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3 L101 **Soils Plan - North**
SCALE: 1" = 60'-0" @22x34



1 L101 **Key Plan - Soils**
SCALE: 1" = 200'-0" @22x34
0' 200' 400' 600'



2 L101 **Soils Plan - South**
SCALE: 1" = 30'-0" @22x34
0' 30' 60' 90'

Soils Legend

	4" depth Planting Soil
	12" Min. depth Planting Soil - Additional Soil Depth per Planting Details
	Tree Location: Soil Depth per Tree Planting Details

Excavate as necessary to allow placement of planting soil per above (as measured after compaction) PLUS additional excavation as needed to install mulch (as relevant) and for soft surfaces to be 1" below adjacent hard surfaces (as relevant). Where planting materials are installed within soil areas, excavate deeper as needed to achieve soil depths and extents per planting details. Coordinate earthwork activities to ensure that final grades are met, and positive drainage is achieved.

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SOILS PLAN

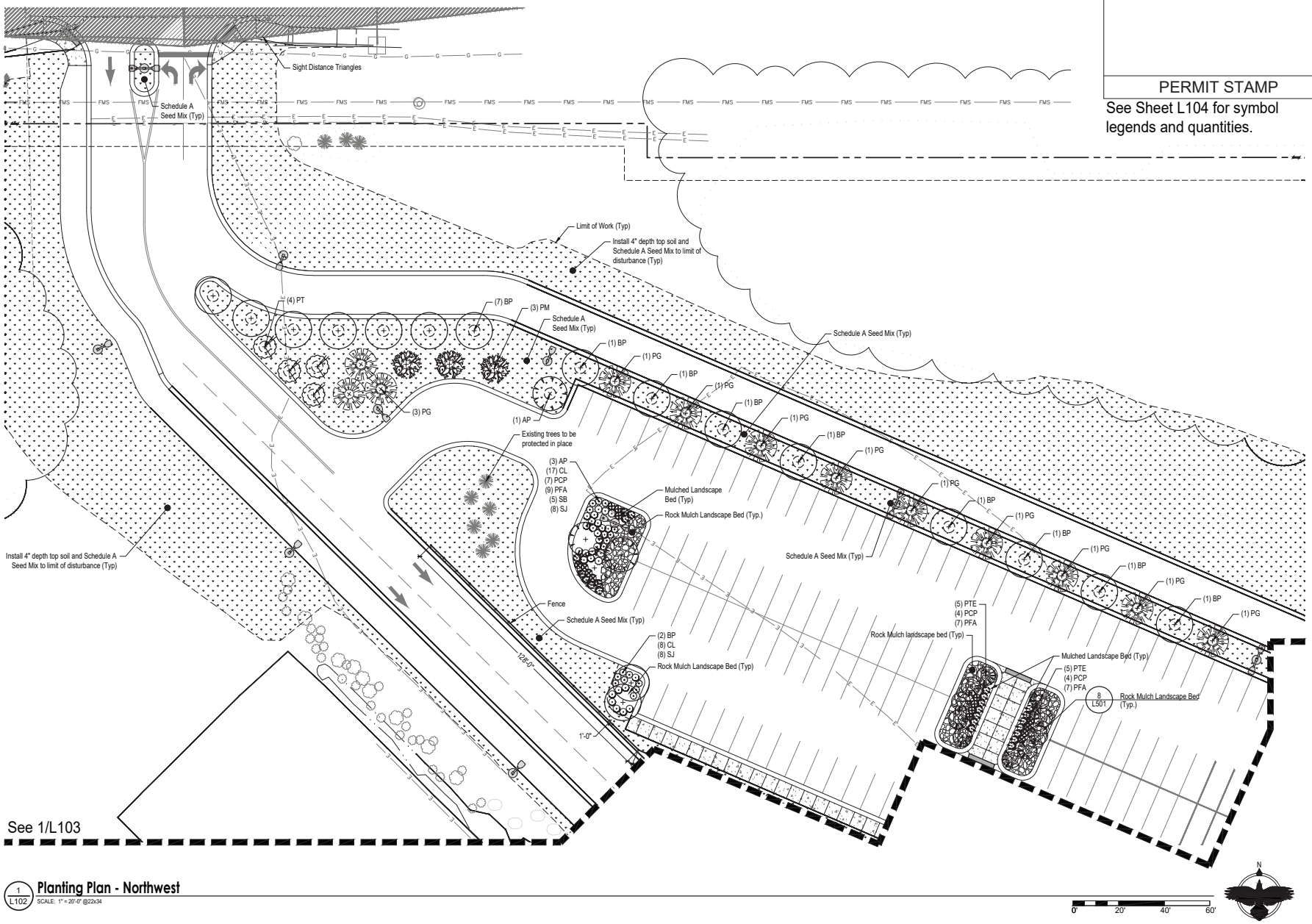
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L101

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1 / L102 **Planting Plan - Northwest**

SCALE: 1" = 20'-0" @22x34

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See Sheet L104 for symbol legends and quantities.

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PLANTING PLAN - NORTHWEST

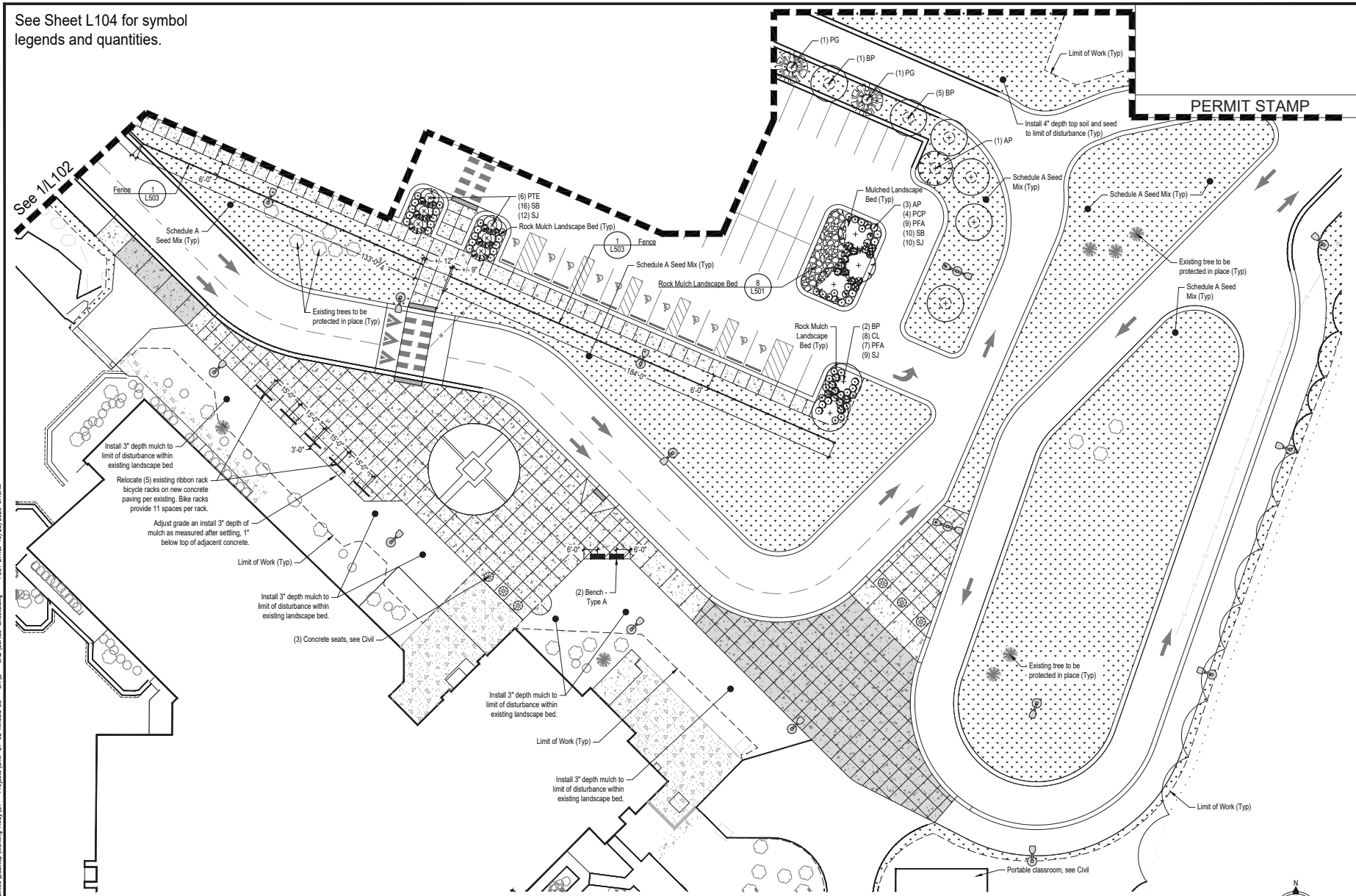
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SHEET NO.
L102

See Sheet L104 for symbol legends and quantities.



1 L103 **Planting Plan - Northeast**

SCALE: 1" = 20'-0" @22x34

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PLANTING PLAN - NORTHEAST

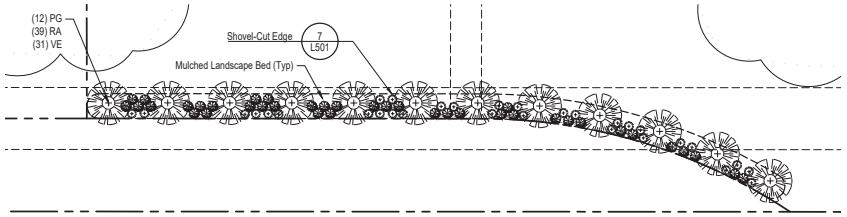
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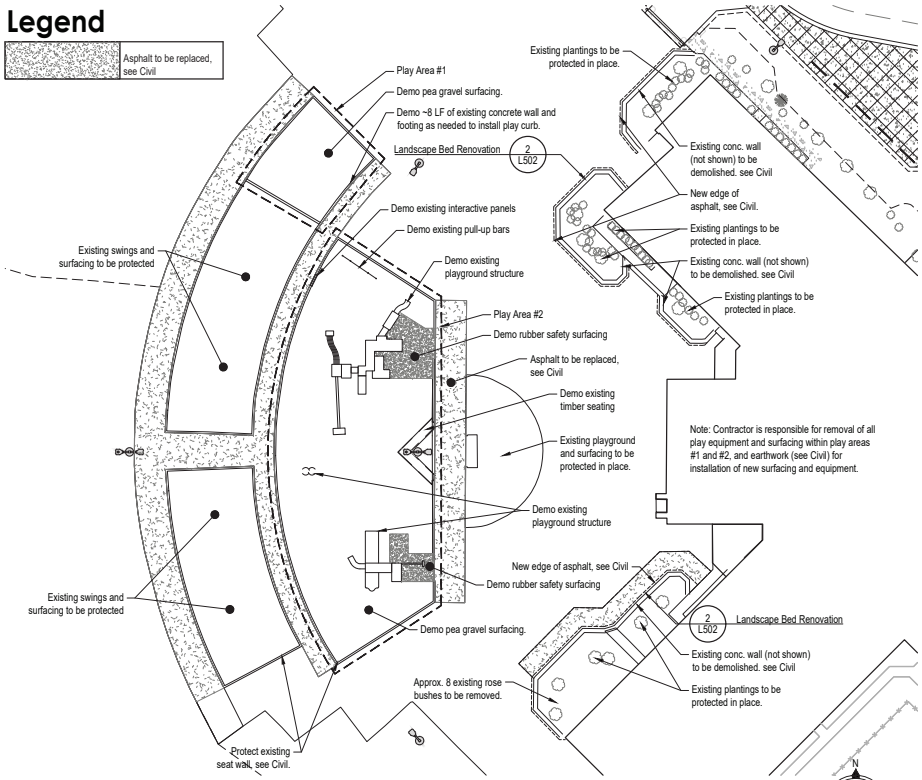
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2 L104 **Planting Plan - South**
SCALE: 1" = 20'-0" @22x34

Legend

Asphalt to be replaced, see Civil



3 L104 **Playground Area Demo Plan**
SCALE: 1" = 30'-0" @22x34

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Planting Schedule

Deciduous Trees- See Detail:

2 L501 Deciduous Tree Planting - Staked

4 L501 Moose Protection

Qty.	Symbol	Label	Botanical Name	Common Name	Size	Furnished	Notes
8		AP	Acer platanoides 'Helena'	Helena Maple	2" CAL (See Note 1)	B&B	Single stem
25		BP	Betula papyrifera 'Gracilis'	Cutleaf Weeping Birch	2" CAL (See Note 1)	B&B	Single stem
4		PT	Populus tremuloides	Quaking Aspen	2" CAL (See Note 1)	B&B	Single stem
16		PTE	Populus tremula 'Erecta'	Columnar Swedish Aspen	2" CAL (See Note 1)	B&B	Single stem
3		PM	Prunus maackii	Amur chokecherry	2" CAL (See Note 1)	B&B	Single stem

Note 1: Per MOA Sec. 21.07.080.F.1.a, all deciduous trees must be a minimum of 2" caliper at the time of planting. Container or root ball size per ANSI Z60.1 based on tree size .

Evergreen Trees- See Detail:

3 L501 Evergreen Tree Planting - Staked

Qty.	Symbol	Label	Botanical Name	Common Name	Size	Furnished	Notes
26		PG	Picea glauca	White Spruce	6' HT (See Note 1)	B&B	

Note 1: Per MOA Sec. 21.07.080.F.1.a, all deciduous trees must be a minimum of 2" caliper at the time of planting. Container or root ball size per ANSI Z60.1 based on tree size .

Shrubs - See Detail:

1 L501 Shrub Planting

Qty.	Symbol	Label	Botanical Name	Common Name	Size	Furnished	Notes
33		CL	Cotoneaster lucidus	Hedge Cotoneaster	18" Min. (See Note 2)	CG	
19		PCP	Potentilla cinqefoil 'Pink Beauty'	Pink Beauty Potentilla	18" Min. (See Note 2)	CG	
39		PF	Potentilla fruticosa 'Abbottswood'	Abbottswood Potentilla	18" Min. (See Note 2)	CG	
39		RAL	Ribes alpinum	Alpine Currant	18" Min. (See Note 2)	CG	
31		SB	Spiraea x bumalda	Bumald Spirea	18" Min. (See Note 2)	CG	
47		SJ	Spiraea x japonica 'Goldflame'	Goldflame Spirea	18" Min. (See Note 2)	CG	
31		VE	Viburnum edule	Highbush Cranberry	18" Min. (See Note 2)	CG	

Note 2: Per MOA Sec. 21.07.080.F.1.a, all shrubs must be a minimum height of 18" at the time of planting. Container size shall be per ANSI Z60.1 based on shrub size (minimum #2).

Miscellaneous

Schedule A Seed Mix

Rock Mulch

6 L501 Landscape Edging

5 L501 Tree Ring Edging

General Notes:

1. All plants: nursery grown to ANSI Z60.1 or native transplants to ANSI Z60.1.
2. Where planting materials are installed within soil areas, excavate as necessary to achieve soil depths and extents per planting details plus additional excavation as needed to install mulch (as relevant) and for soft surfaces to be 1" below adjacent hard surfaces (as relevant). Coordinate earthwork activities to ensure that final grades are met, and positive drainage is achieved.
3. Apply 4" depth top soil and seed to all disturbed areas not indicated on plans.
4. Install Moose Protection Fence to all Deciduous Trees. Refer to Detail 4/L501.
5. Landscape contractor: Coordinate the excavation of top soil areas and planting beds with the General or Prime Contractor.
6. Landscape contractor: Coordinate with the general or prime contractor for stabilization of all disturbed areas (disturbed soils) in accordance with Local, State, and Federal requirements for storm water pollution prevention plans.

1 L104 **Planting Schedule**
SCALE: NTS @22x34

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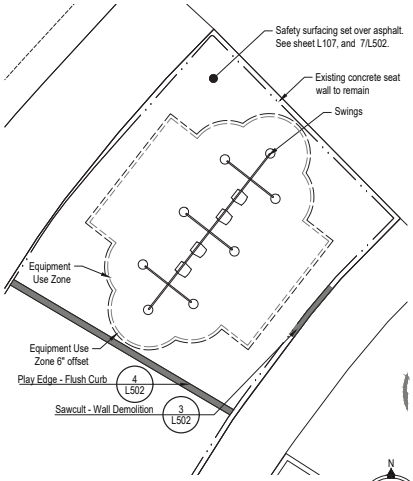
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PLANTING PLAN - SOUTH

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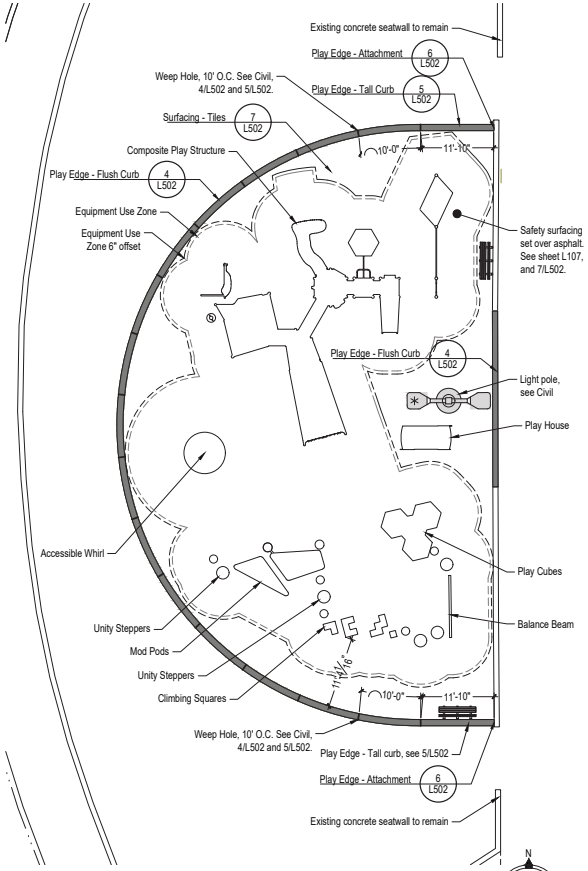
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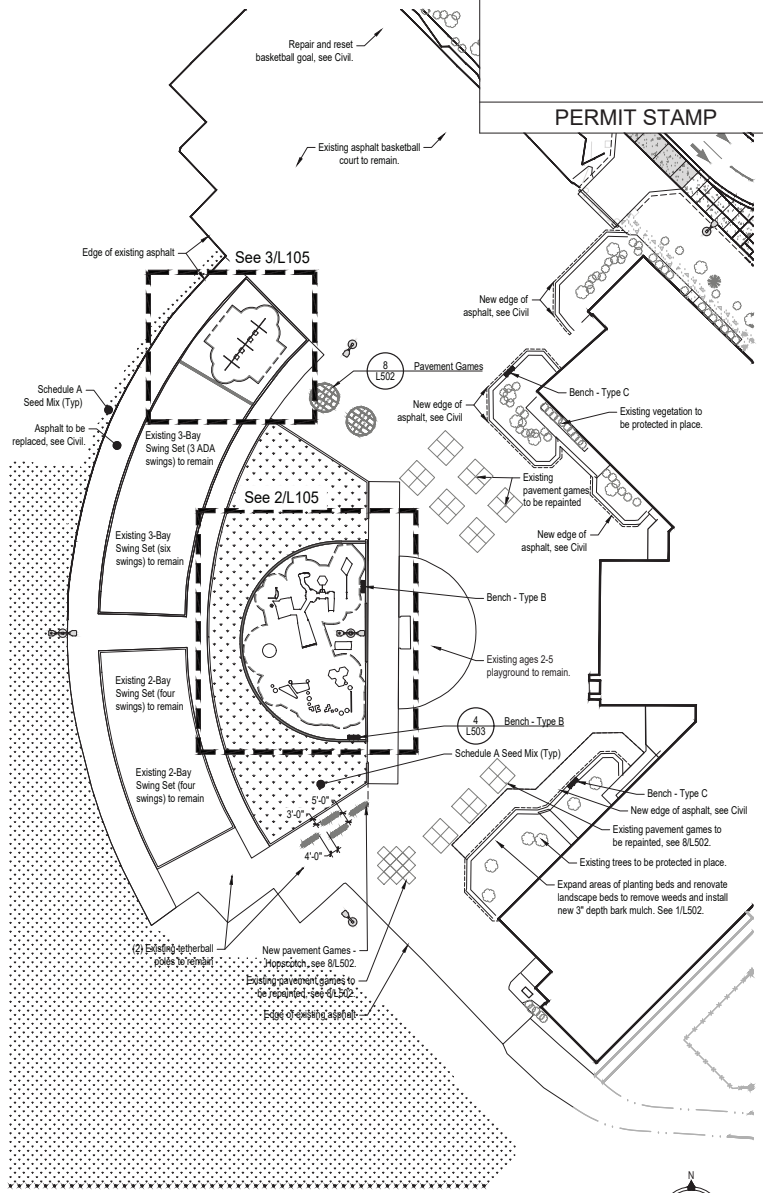
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3 L105 **Playground Enlargement - Play Area #1**
SCALE: 1" = 10'-0" @22x34
0' 10' 20' 30'



2 L105 **Playground Enlargement - Play Area #2**
SCALE: 1" = 10'-0" @22x34
0' 10' 20' 30'



1 L105 **Playground Layout Plan**
SCALE: 1" = 30'-0" @22x34
0' 30' 60' 90'

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PLAYGROUND PLAN

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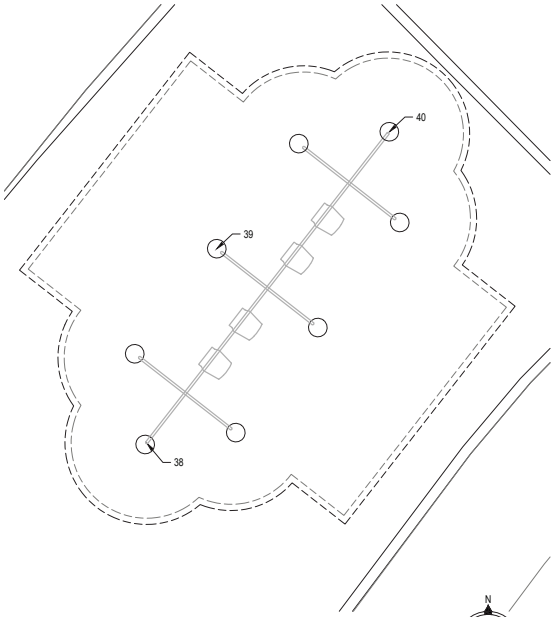
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PLAYGROUND EQUIPMENT FOOTING LOCATIONS		
POINT	NORTHING	EASTING
P1	318357.8079	332997.7809
P2	318349.4912	332997.7809
P3	318341.1995	332997.7809
P4	318338.1995	332997.7809
P5	318341.1995	332991.7809
P6	318332.4245	332991.4726
P7	318341.1995	332987.5519
P8	318346.9576	332986.0519
P9	318341.1995	332983.3229
P10	318345.3644	332976.8148
P11	318349.8235	332978.6607
P12	318348.5876	332976.1959
P13	318341.1995	332978.1267
P14	318336.6995	332980.7248
P15	318331.4491	332977.6935
P16	318328.851	332976.1935
P17	314217.3080	332970.5954
P18	318336.9491	332965.1672
P19	318338.4647	332964.0149
P20	318334.8167	332961.4738
P21	318313.0326	332979.5742
P22	318313.0326	332960.4312
P23	318295.9103	332961.8624
P24	318296.163	332969.6319
P25	318296.6391	332971.4201
P26	318292.5455	332979.0768
P27	318284.9659	332979.8780
P28	318283.7417	332983.3192
P29	318283.7079	332987.6460
P30	318284.2856	332992.8422
P31	318284.7694	333000.0656
P32	318291.7689	332999.9766
P33	318295.0554	332999.4764
P34	318297.195	332997.4788
P35	318298.0209	332994.7146
P36	318313.5937	332992.7925
P37	318317.4079	332999.4777
P38	318448.6444	332938.8599
P39	318464.4385	332944.6311
P40	318473.8723	332958.5463



NOTE: All footing locations are shown on this plan with Northings and Eastings called out in table for key footings. Footing locations to be verified by contractor prior to installation to ensure correct provision of correct equipment use zones.

2 / L106 **Footing Plan - Play Area #2**
SCALE: 1" = 5'-0" @22x34



1 / L106 **Footing Plan - Play Area #1**
SCALE: 1" = 5'-0" @22x34

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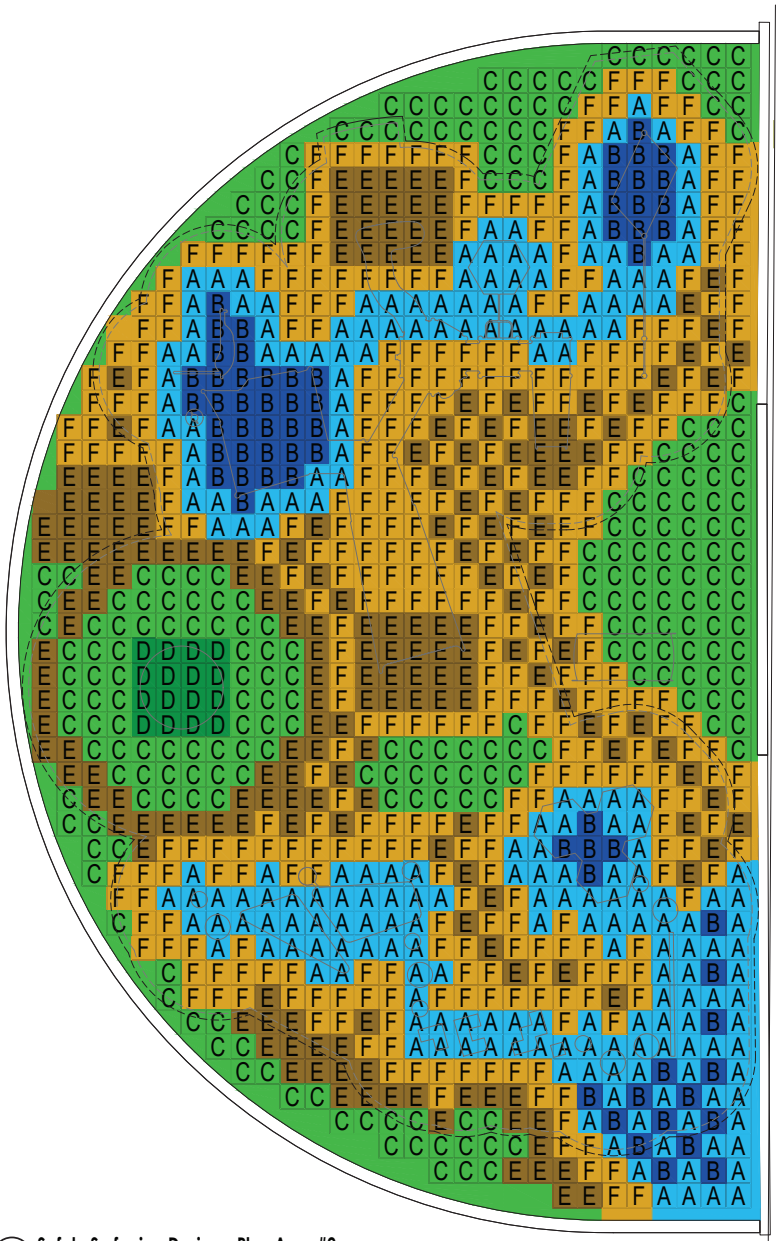
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PLAYGROUND EQUIPMENT FOOTING PLAN

STATUS: BID SET
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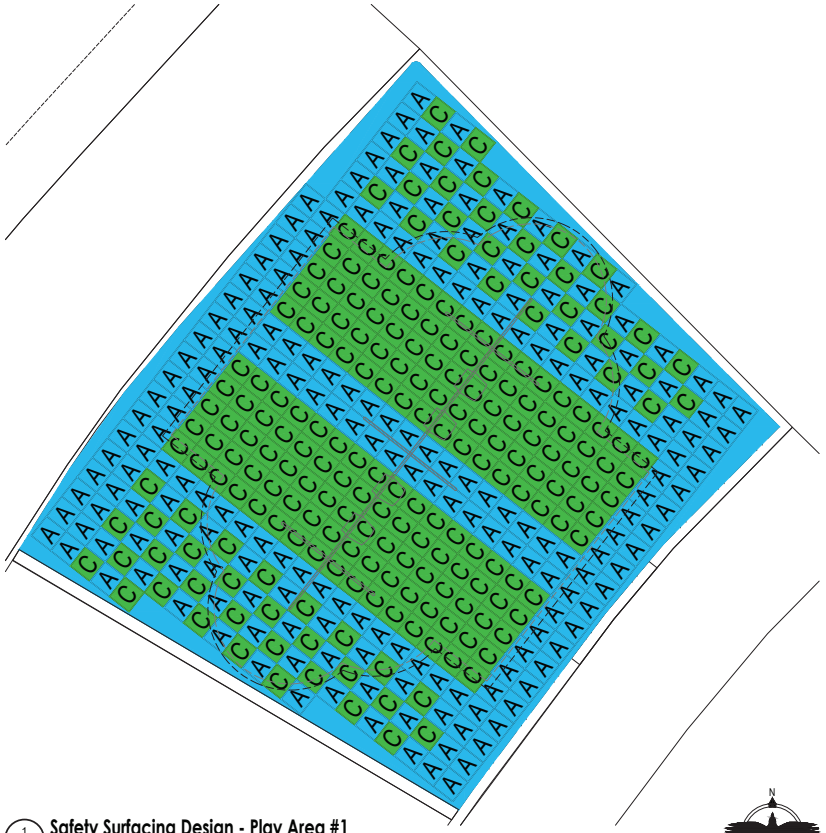
2 / L107 **Safety Surfacing Design - Play Area #2**
SCALE: 1" = 5'-0" @22x34

0' 5' 10' 15'

N

Safety Surfacing Color Legend

A	Azule
B	Denim
C	Emerald Green
D	Safari
E	Sierra Brown
F	Sedona



1 / L107 **Safety Surfacing Design - Play Area #1**
SCALE: 1" = 5'-0" @22x34

0' 5' 10' 15'

N

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SAFETY SURFACING PLAN

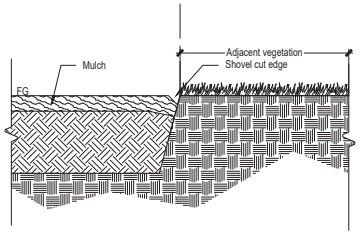
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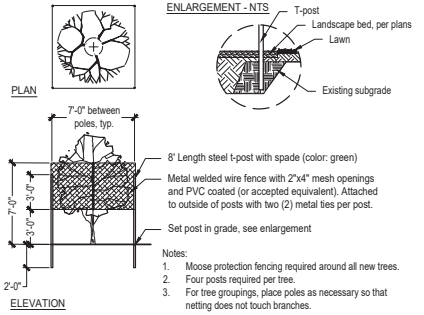
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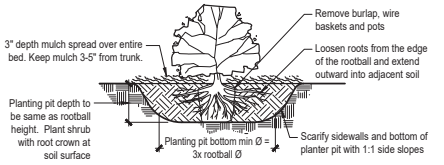
7 / L501 Shovel-Cut Edge

SCALE: NTS @22x34



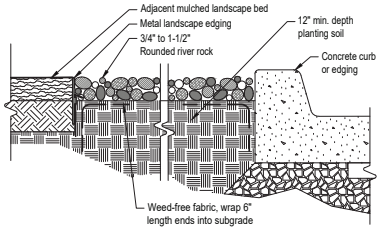
4 / L501 Moose Protection

SCALE: NTS @22x34



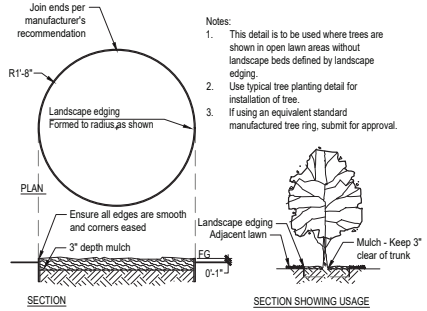
1 / L501 Shrub Planting

SCALE: NTS @22x34



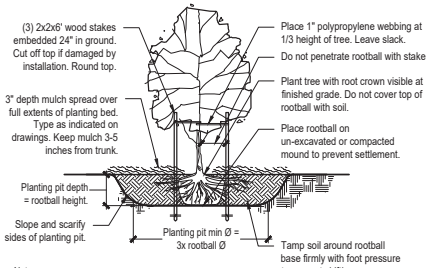
8 / L501 Rock Mulch Landscape Bed

SCALE: NTS @22x34



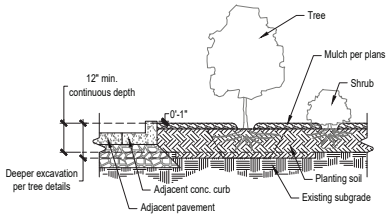
5 / L501 Tree Ring Edging

SCALE: NTS @22x34



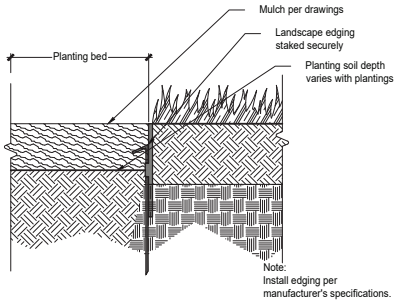
2 / L501 Deciduous Tree Planting - Staked

SCALE: NTS @22x34



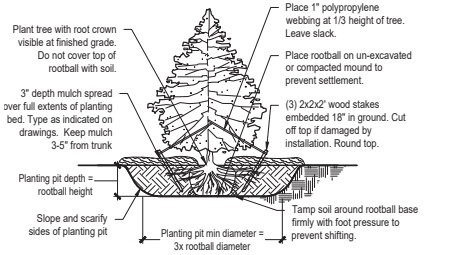
9 / L501 Planting Bed - Excavation

SCALE: NTS @22x34



6 / L501 Landscape Edging

SCALE: NTS @22x34



3 / L501 Evergreen Tree Planting - Staked

SCALE: NTS @22x34

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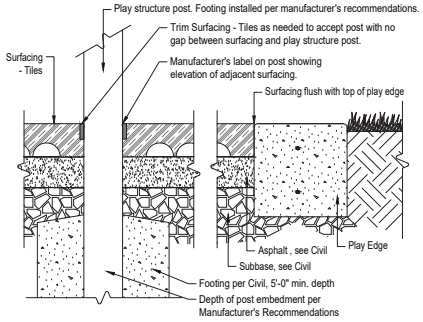
KINCAID ELEMENTARY SCHOOL SITE IMPROVEMENT
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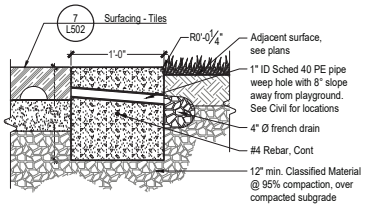
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DESIGNED BY PB /BL
DRAWN BY BL
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7 / L502 Surfacing - Tiles

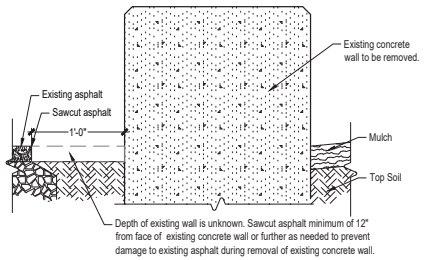
SCALE: 1 1/2" = 1'-0" @22x34



Note:
Expansion joints shall be located every 15' and control joints shall be located every 5' along the length of the curb and at corners.

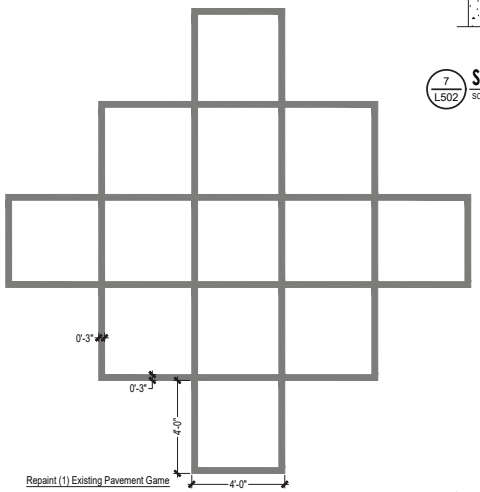
4 / L502 Play Edge - Flush Curb

SCALE: 1 1/2" = 1'-0" @22x34

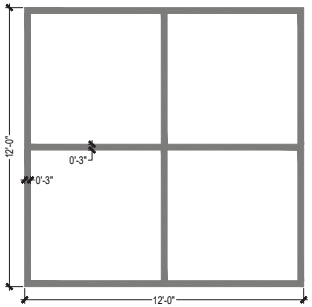


1 / L502 Landscape Bed Demolition

SCALE: 1 1/2" = 1'-0" @22x34

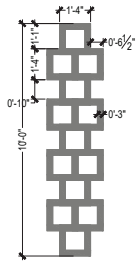


Repaint (1) Existing Pavement Game

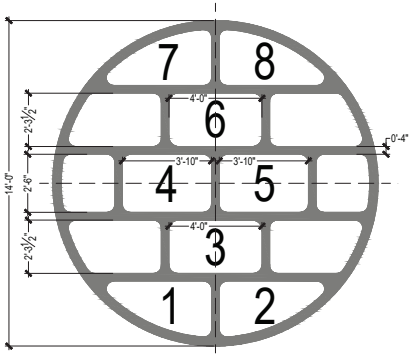


Repaint (9) Existing Pavement Games

Notes:
1. Outlines and letters shall be painted with durable and safe asphalt paint, striping shall be 3" width unless otherwise noted, location of games per plans.
2. Letters shall be 2" width unless otherwise noted.
3. See Civil specifications for exterior striping paint



Hopscotch - Square (Qty. 4)



Hopscotch - Circle (Qty. 2)

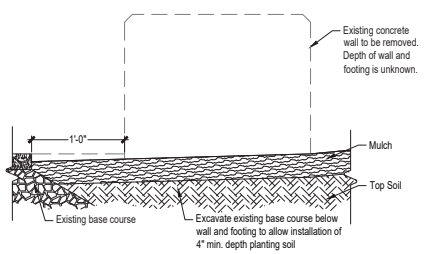
8 / L502 Pavement Games

SCALE: NTS @22x34

Note:
Expansion joints shall be located every 15' and control joints shall be located every 5' along the length of the curb and at corners.

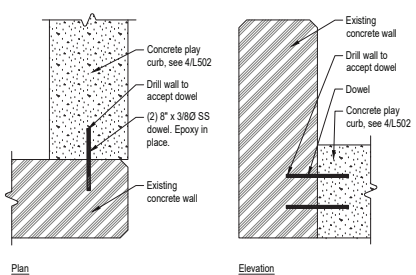
5 / L502 Play Edge - Tall Curb

SCALE: 1 1/2" = 1'-0" @22x34



2 / L502 Landscape Bed Renovation

SCALE: 1 1/2" = 1'-0" @22x34

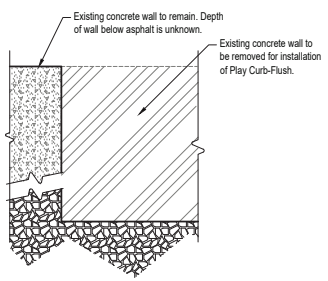


Plan

Elevation

6 / L502 Play Edge - Attachment

SCALE: 1 1/2" = 1'-0" @22x34



FRONT ELEVATION

3 / L502 Sawcult - Wall Demolition

SCALE: 1" = 1'-0" @22x34

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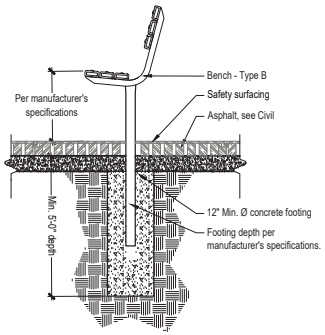
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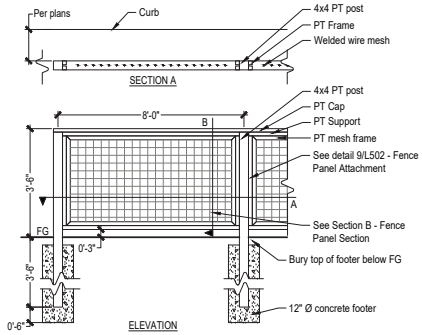
SHEET NO.
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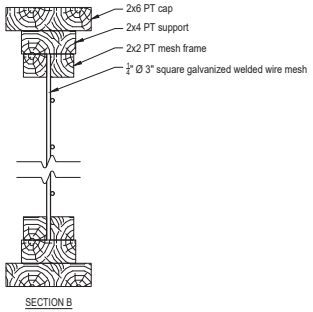
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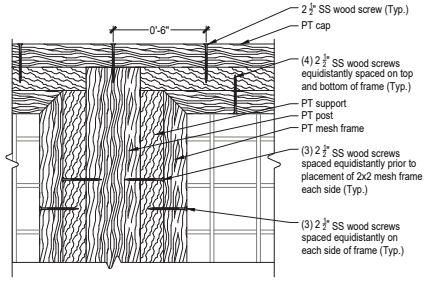
4 / L503 **Bench - Type B**
SCALE: NTS @22x34



1 / L503 **Fence**
SCALE: 1/2" = 1'-0" @22x34



2 / L503 **Fence Panel Section**
SCALE: 3" = 1'-0" @22x34



3 / L503 **Fence Panel Attachment**
SCALE: 3" = 1'-0" @22x34

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2 / L901 Existing Timber Steps

SCALE: NTS @22x34



3 / L901 Existing Bike Racks

SCALE: NTS @22x34



Pull-up Bars



Interactive Panels



Timber Play Structure # 2-a



Timber Play Structure # 2-b



Timber Overhead Climber



Timber Play Structure # 1-a



Timber Play Structure # 1-b



Climber

1 / L901 Existing Play Equipment

SCALE: NTS @22x34

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The playground renderings on this sheet do not show the safety surfacing accurately. See Sheet L107 for safety surfacing layout.

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Playground Rendering - 1



Playground Rendering - 2



Playground Rendering - 3



Playground Rendering - 4

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PLAYGROUND RENDERINGS

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DATE: 10/23/2026

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VER. N/A

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L902

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The playground renderings on this sheet do not show the safety surfacing accurately. See Sheet L107 for safety surfacing layout.

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Playground Rendering - 5



Playground Rendering - 6



Playground Rendering - 7



Playground Rendering - 8

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PLAYGROUND RENDERINGS

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