

PROJECT LOCATION



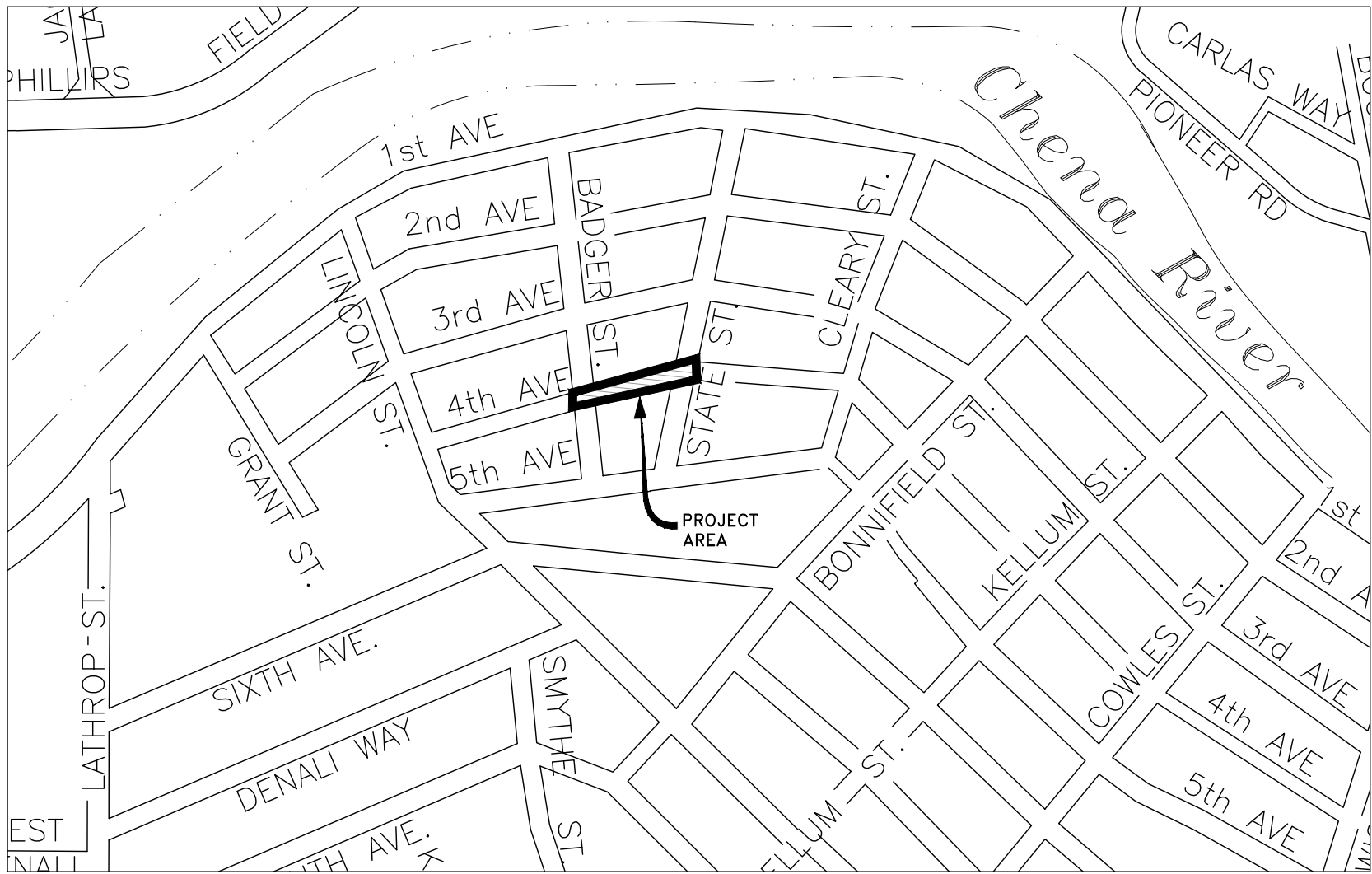
CITY OF FAIRBANKS

PROPOSED UTILITY PROJECT

ITB-24-10

4TH & STATE STORM DRAIN PROJECT

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1.01	TITLE SHEET
1.02	QUANTITIES AND GENERAL NOTES
1.03	SURVEY CONTROL
2.01	TYPICAL SECTION
3.01 - 3.02	PLAN & PROFILE
4.01	EROSION & SEDIMENT CONTROL PLAN
5.01	TRAFFIC CONTROL PLAN
SD1 - SD2	CITY OF FAIRBANKS STANDARD DETAILS - STORM DRAIN



DATE	REVISION	BY

SCALE: NONE

DESIGNED: RHP/KLL
 DRAWN:
 CHECKED: RHP
 DATE: 06/20/24

APPROVED

 CITY ENGINEER
 DATE

4TH & STATE STORM DRAIN PROJECT

CITY OF FAIRBANKS, ALASKA
 Engineering Department
 Project ITB-24-10

1.01
 OF 10
 SHEETS

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
3.08.0001.0000	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	960
401.0001.002B	HMA, TYPE II; CLASS B	TON	120
401.0004.0000	ASPHALT BINDER, GRADE PG 52E-40	TON	7
603.0021.0015	CORRUGATED POLYETHYLENE PIPE 12 INCH	LINEAR FOOT	315
604.0003.0000	RECONSTRUCT EXISTING MANHOLE	EACH	1
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	2
604.0005.000A	INLET, TYPE A	EACH	5
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED

ESTIMATING FACTORS

ITEM NO.	PAY ITEM	FACTOR
401.0001.002B	HMA, TYPE II; CLASS B	150 LB / CF
401.0004.0000	ASPHALT BINDER, GRADE PG 52E-40	5.5% WEIGHT OF 401.0001.002B

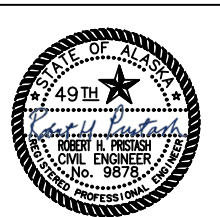
GENERAL NOTES

1. GRADES, ALIGNMENTS, APPROACH LOCATIONS, LENGTHS AND LOCATIONS OF CONDUIT RUNS SHOWN ON THESE PLANS ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER. ALL DISTANCES SHOWN IN THE PLANS ARE HORIZONTAL MEASUREMENTS.
2. SAWCUT ALL MATCH LINES WHERE NEW CONSTRUCTION OF PAVEMENT, SIDEWALK OR CURBING ABUTS EXISTING. SAWCUTS SUBSIDIARY TO RESPECTIVE PAY ITEMS.
3. APPLY WATER FOR DUST CONTROL DAILY OR AS DIRECTED BY THE ENGINEER. PAY SUBSIDIARY TO PAY ITEM 643.0002.0000 TRAFFIC MAINTENANCE.
4. PAYMENT FOR PAY ITEM 202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL BE A LUMP SUM PAYMENT FOR REMOVING ALL ITEMS IN CONFLICT WITH THE IMPROVEMENTS. THESE ITEMS ARE NOT LISTED. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY THE NATURE OF THIS WORK BEFORE BIDDING.
5. ALL PAYMENTS REQUESTED BY THE CONTRACTOR SHALL BE DEVELOPED BY THE CONTRACTOR IN A FORM ACCEPTABLE TO THE ENGINEER. PAY ESTIMATES SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN STAGING AREA.
7. CONTRACTOR SHALL GET ENGINEER'S APPROVAL PRIOR TO ANY WORK OUTSIDE THE STREET RIGHT OF WAY.
8. NUMEROUS UNDERGROUND UTILITIES EXIST WITHIN THE PROJECT CORRIDOR. THE CONTRACTOR SHALL CONTACT UTILITY OWNERS AND GET LOCATES PRIOR TO EXCAVATION.

ABBREVIATIONS

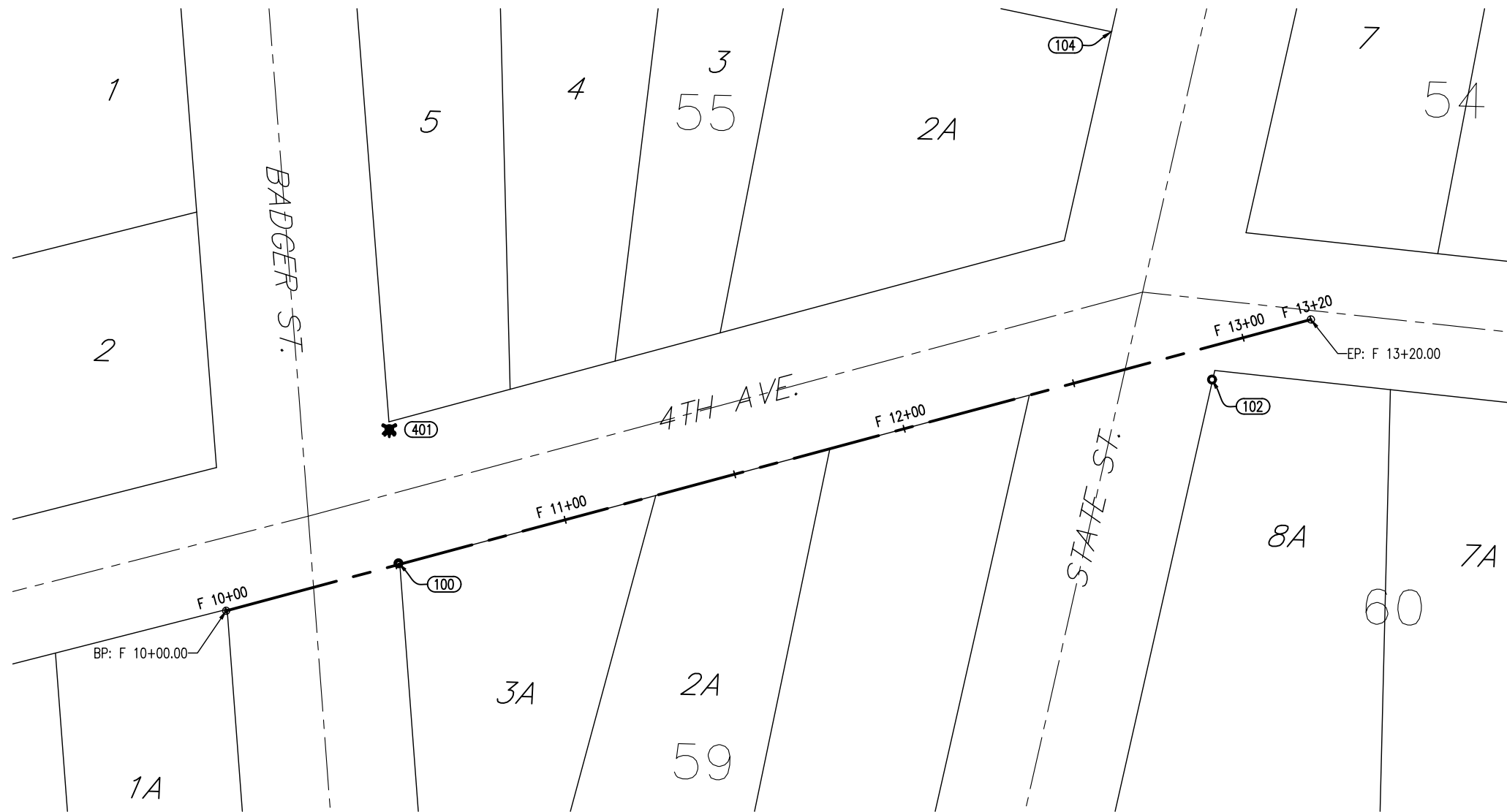
<p>ABD – ABANDONED AC – ASPHALT CONCRETE AP – ANGLE POINT ABC – AGGREGATE</p> <p>BASE COURSE BK SDWK – BACK OF SIDEWALK BLDG – BUILDING BL – BASELINE BOP – BEGINNING OF PROJECT BV – BUTTERFLY VALVE</p> <p>C – CONDENSATE CB – CATCH BASIN CC – CURB CUT CI – CAST IRON CL – CENTER LINE CONC – CONCRETE CS – CONDENSATE SERVICE CSP – CORRUGATED STEEL PIPE</p> <p>D – DUCT BANK DIP – DUCTILE IRON PIPE DL – DITCH LINE DG – DOWN GUY DW – DRIVEWAY</p> <p>E – EAST e – SUPERELEVATION EA – EACH ELEV – ELEVATION EOP – END OF PROJECT EP – EDGE OF PAVEMENT ES – END SECTION EXIST – EXISTING</p> <p>FG – FINISH GRADE FH – FIRE HYDRANT FL – FLOW LINE FLG – FLANGE FOC – FACE OF CURB FRM – FRAME FW – FLUSHWELL</p> <p>G – GUTTER GP – GRADE POINT GRP – GUARD POST GR – GRADE GRT – GRATE GV – GATE VALVE</p> <p>HB – HORIZONTAL BEND HDPE – HIGH DENSITY POLYETHYLENE HPS – HIGH PRESSURE SODIUM LUMINAIRE HWR – HOT WATER RETURN HWS – HOT WATER SUPPLY HWSS – HOT WATER SERVICE SUPPLY</p> <p>ID – INSIDE DIAMETER IE – INVERT ELEVATION INS – INSULATION</p> <p>L – LENGTH OF CURVE LTDL – LEFT DITCH LINE LT – LEFT LF – LINEAL FEET</p> <p>MAX – MAXIMUM MB – MAILBOX MH – MANHOLE MIN – MINIMUM MON – MONUMENT MV – MERCURY VAPOR LUMINAIRE</p>	<p>NC – NORMALLY CLOSED NE – NORTHEAST NW – NORTHWEST N – NORTH N.I.C. – NOT IN CONTRACT</p> <p>OD – OUTSIDE DIAMETER OG – ORIGINAL GROUND</p> <p>PC – POINT OF CURVATURE PCC – POINT OF COMPOUND CURVE PI – POINT OF INTERSECTION PIV – POST INDICATOR VALVE PL – PROPERTY LINE POT – POINT ON TANGENT PRC – PROPERTY CORNER PP – POWER POLE PT – POINT OF TANGENCY PLVC – POLYVINYL CHLORIDE PUE – PERMANENT UTILITY EASEMENT PVC – POINT OF VERTICAL CURVATURE PVI – POINT OF VERTICAL INTERSECTION PVMT – PAVEMENT PVT – POINT OF VERTICAL TANGENCY</p> <p>R – RADIUS RTDL – RIGHT DITCH LINE RMC – RIGID METAL CONDUIT ROW – RIGHT OF WAY R&R – REMOVE AND REPLACE RT – RIGHT RPM – REINFORCED PLASTIC MORTAR</p> <p>SMTA – SELECTED MATERIAL TYPE A s – SLOPE S – SOUTH SE – SOUTHEAST SM – SEWER MAIN SMH – SEWER MANHOLE SMHS – SEWER MANHOLES SCH – SCHEDULE SD – STORM DRAIN SI – STREET INTERSECTION SL – STREET LIGHT SP – STEEL PIPE SS – SEWER SERVICE ST – STEAM STA – STATION STS – STEAM SERVICE SW – SOUTHWEST</p> <p>T – TELEPHONE TC – TOP OF CURB TCP – TEMP. CONSTRUCTION PERMIT TOC – TOP OF CONDUIT TOP – TOP OF PIPE TYP – TYPICAL</p> <p>UG – UNDERGROUND VB – VALVE BOX</p> <p>W – WEST WM – WATER MAIN WS – WATER SERVICE WSP – WOOD STAVE PIPE</p>
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GENERAL NOTES, ABBREVIATIONS,
AND ESTIMATE OF QUANTITIES



07/15/2024

		SCALE: NONE	DESIGNED: RHP/KLL	APPROVED	4TH & STATE STORM DRAIN PROJECT	CITY OF FAIRBANKS, ALASKA Engineering Department	Project ITB-24-10	1.02
			DRAWN:	_____ CITY ENGINEER				OF 10
DATE	REVISION	BY	CHECKED: RHP DATE: 06/20/24	DATE				SHEETS



1"=20' HORIZ.,
(FULL SIZE)
1"=40' HORIZ.,
(HALF SIZE)

- LEGEND:
- REBAR FOUND
 - IRON PIPE
 - ⊗ HYDRANT

CONTROL NOTES

Coordinates shown hereon are Alaska State Plane Coordinate System Zone 3, NAD83 (2011) (Epoch: 2010).

The Basis of Coordinates for this project is Point No. 2, "City Hall Base Station 2," a Trimble Zephyr 3 Geodetic Antenna on the roof of Fairbanks City Hall. The NAD83 (2011) (Epoch 2010) position for Point No. 2 is based on the results obtained from static GPS observations sent to the NGS OPUS utility for processing.

NAD83 (2011) (Epoch: 2010)
Latitude 64° 50'23.61722" North, Longitude 147°43'16.35657" West

Alaska State Plane Zone 3 Coordinates (US Survey Feet)
North 3965091.405 usft, East 1372475.351 usft
Orthometric Height: 515.794, Geoid 12B Alaska

Project bearings are Alaska State Plane Zone 3 bearings.

ROW lines shown were determined by City of Fairbanks (William Irving, PLS 13315,) and are based the Theile Plat of 1922, and the unrecorded Beck Maps of 1954 using best fit lines between existing monuments.

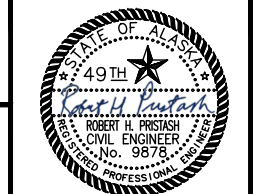
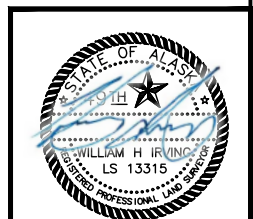
The basis of vertical control is the NGS benchmark "P-5", point # 2 elev, 446.65' NAVD 88; PID: TT2861. TBMs on site established using differential levels to fire hydrant "x" bolts.

HORIZONTAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	3967121.03	1369860.11	440.8	IPF NW BL59
101	3967037.33	1369866.74	440.1	IPF SW L3A B59
102	3967173.38	1370091.91	440.8	RBF NWCOR B60
103	3967351.04	1370081.00	440.9	FIP NE BLK 55
104	3967272.56	1370063.20	440.9	RBCF 3TIER L2A/L1A B55
107	3967327.90	1369819.31	439.3	SI 3RD BADGER

VERTICAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
401	3967159	1369861	442.67	TBM 4TH & BADGER
402	3967399	1370144	442.87	TBM 3RD & STATE
403	3966974	1370418	441.48	TBM 5TH & CLEARY

DESIGN ALIGNMENT - "F"					
START STATION	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
10+00	N 3967107.4819 E 1369811.0137	13+20.00	N 3967190.51 E 1370120.05	N 74°57'41" E	320.00'

SURVEY CONTROL

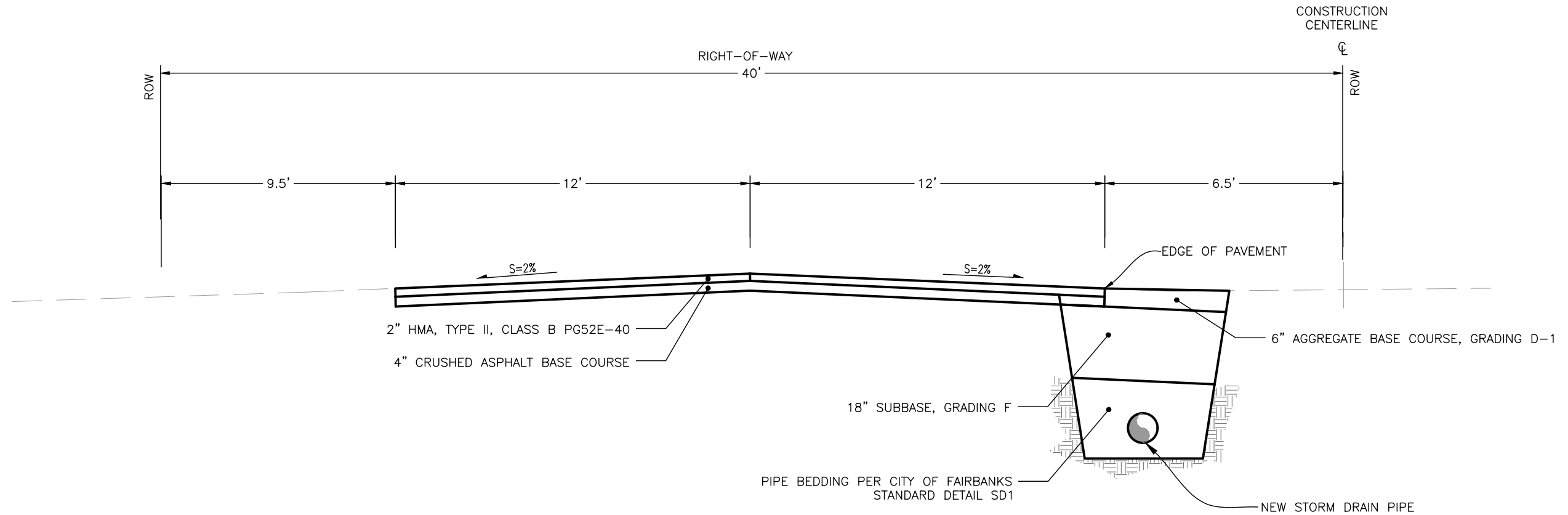


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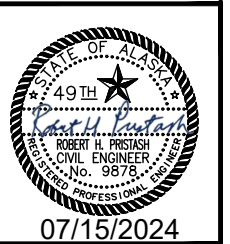
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			DRAWN:	_____ CITY ENGINEER				
			CHECKED: RHP	DATE				
DATE	REVISION	BY	DATE: 06/20/24	DATE				

TYPICAL SECTION NOTE:

1. AGGREGATE BASE COURSE, GRADING D-1 AND SUBBASE, GRADING F WILL NOT BE MEASURED FOR PAYMENT BUT ARE SUBSIDIARY TO THE RESPECTIVE STORM DRAIN STRUCTURE OR PIPE.

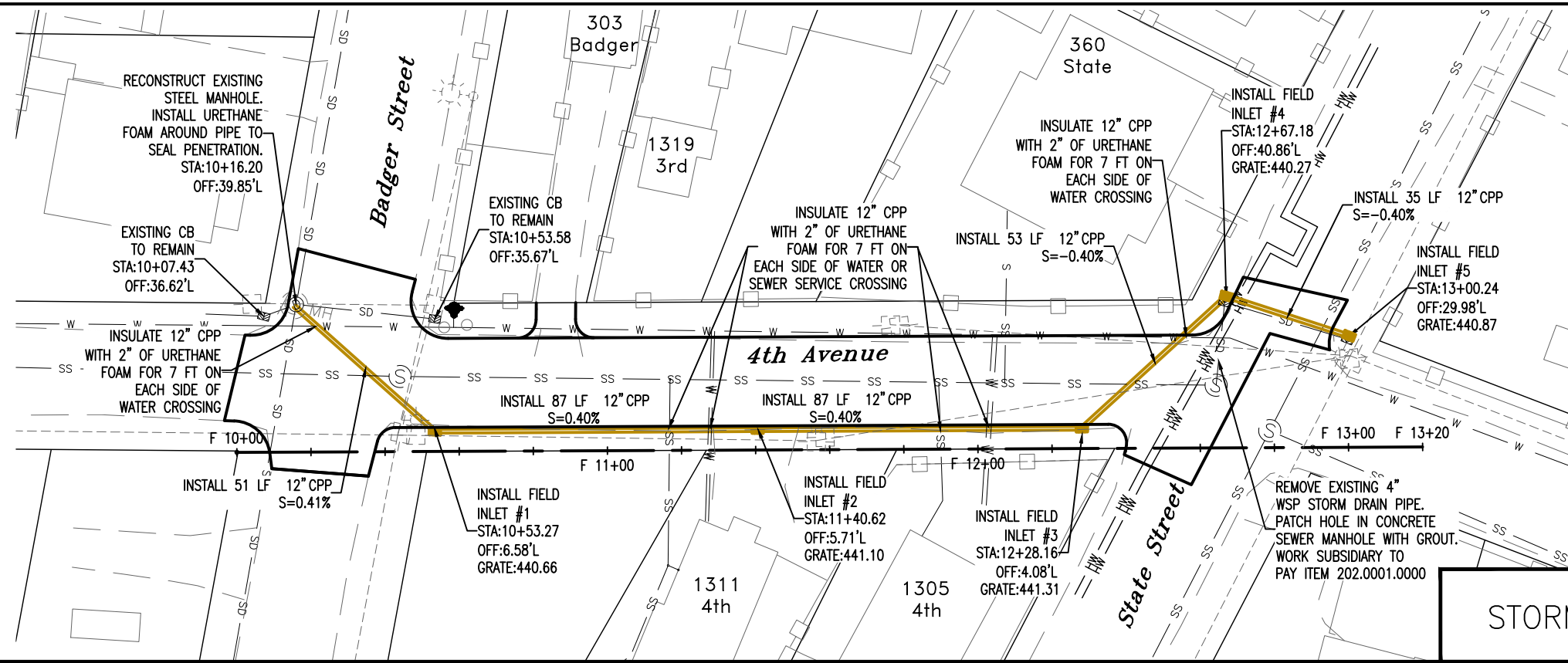


TYPICAL SECTION



07/15/2024

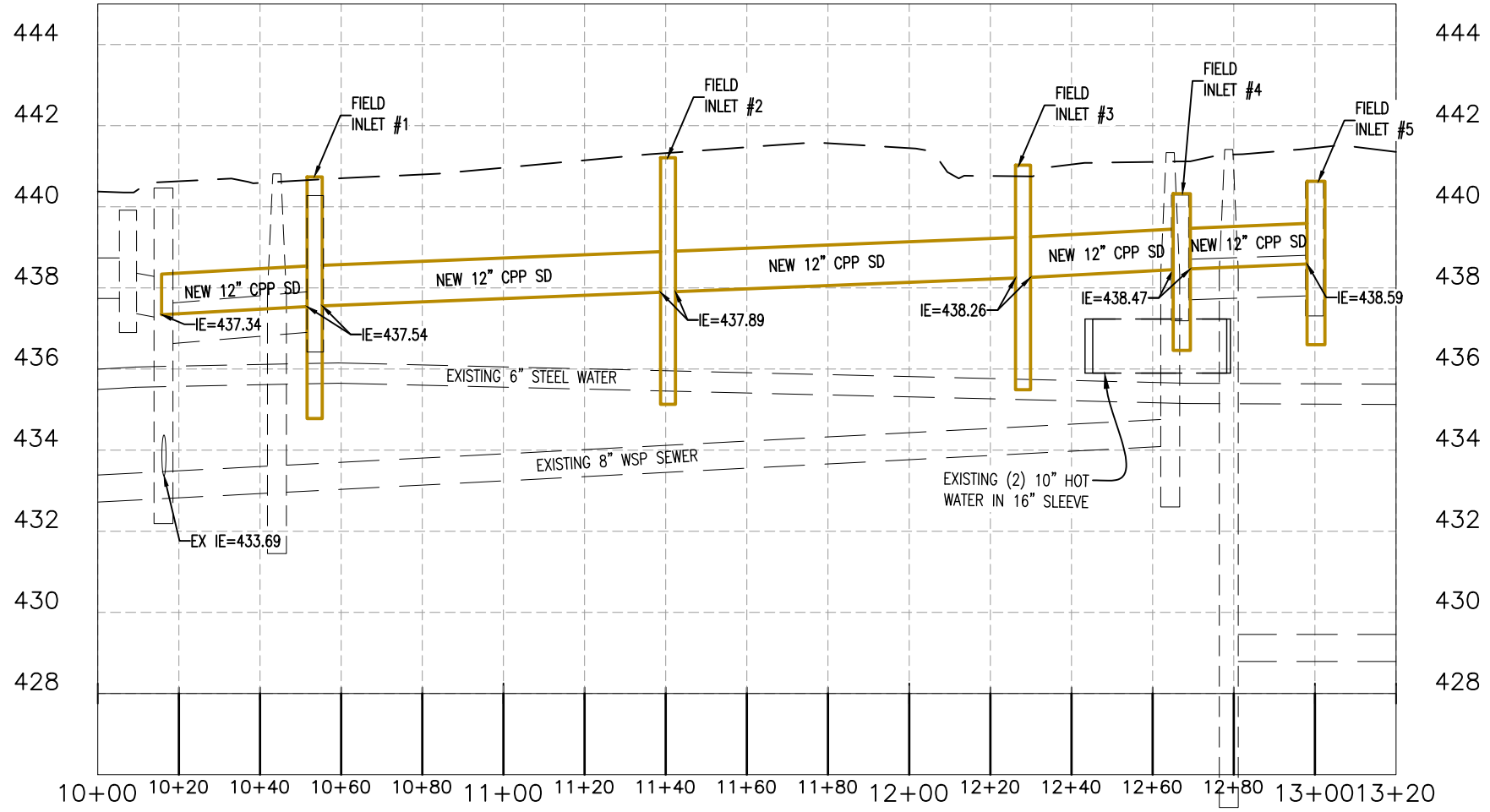
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			DRAWN:	_____			
			CHECKED: RHP	CITY ENGINEER			
DATE	REVISION	BY	DATE: 06/20/24	DATE			



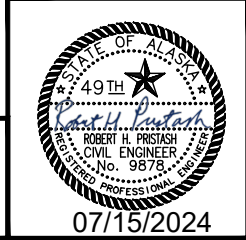
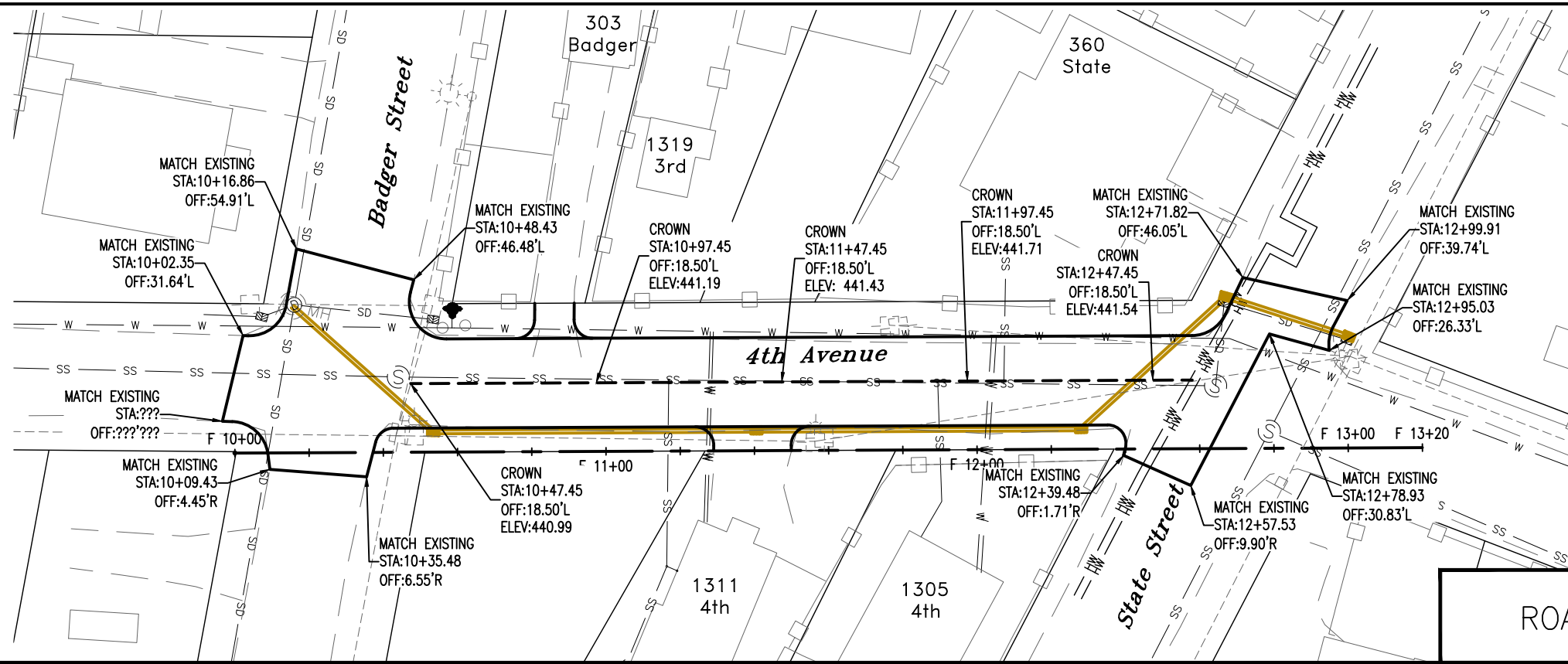
NOTES:

1. VERIFY ELEVATIONS OF STORM DRAIN CONNECTION POINTS AND REPORT THESE SURVEY ELEVATIONS TO THE ENGINEER SO CHANGES CAN BE MADE IN THE GRADES AND INVERTS AS REQUIRED.
2. CONTRACTOR TO POTHOLE AHEAD OF NEW STORM DRAIN WORK TO VERIFY ELEVATIONS OF EXISTING WATER AND SEWER SERVICES.
3. SUPPORT EXISTING POLES AS REQUIRED DURING STORM DRAIN INSTALLATION. THIS WORK IS SUBSIDIARY TO 603.0021.0012.

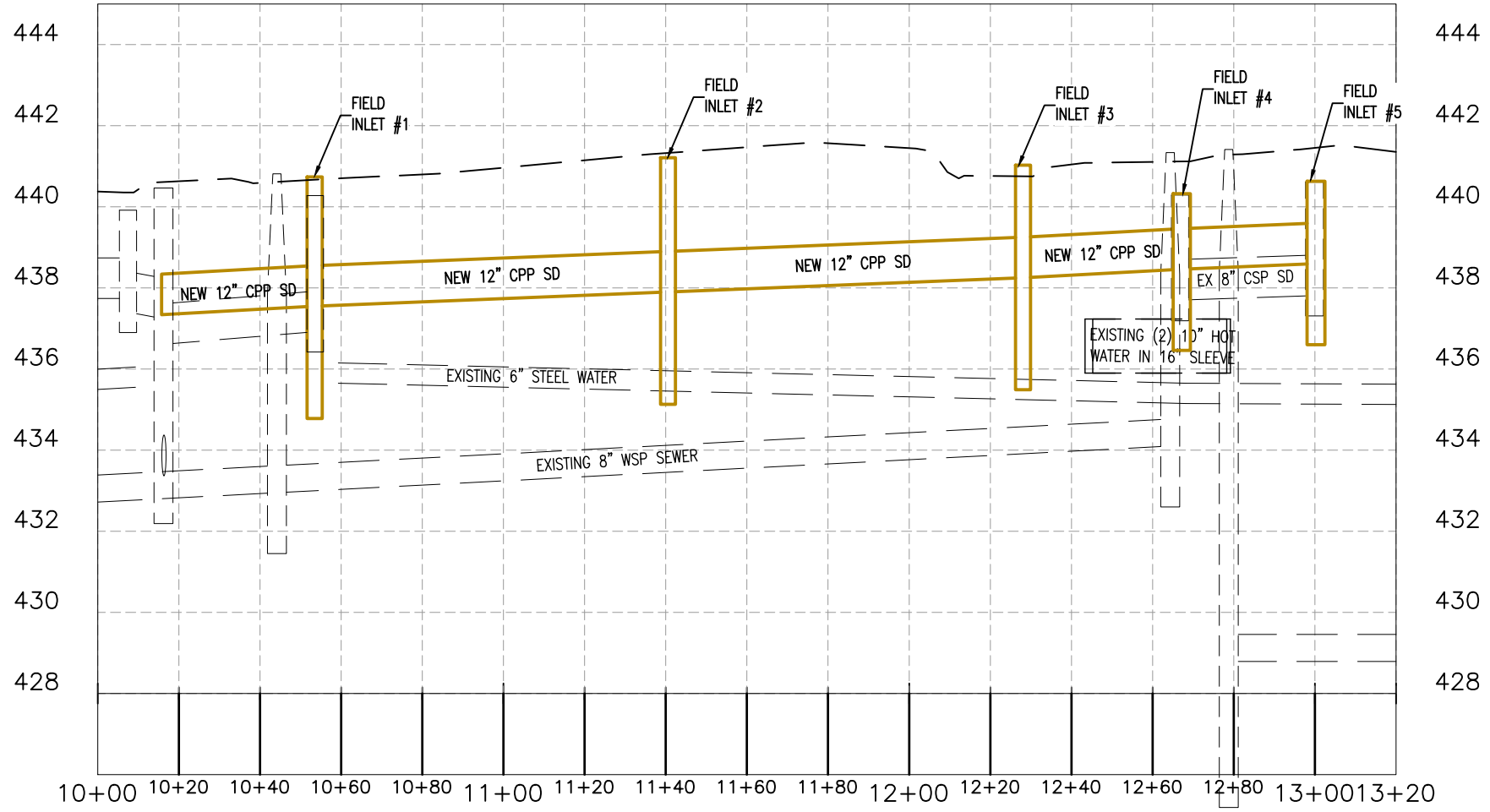
STORM DRAIN



		SCALE: 1"=20' HORIZ., 1"=2' VERT. (FULL SIZE)	1"=40' HORIZ., 1"=4' VERT. (HALF SIZE)	DESIGNED: RHP/KLL DRAWN: KLL CHECKED: RHP DATE: 06/20/24	APPROVED CITY ENGINEER DATE	4TH & STATE STORM DRAIN PROJECT	CITY OF FAIRBANKS, ALASKA Engineering Department Project ITB-24-10	3.01 OF 10 SHEETS
DATE	REVISION	BY						



ROADWAY



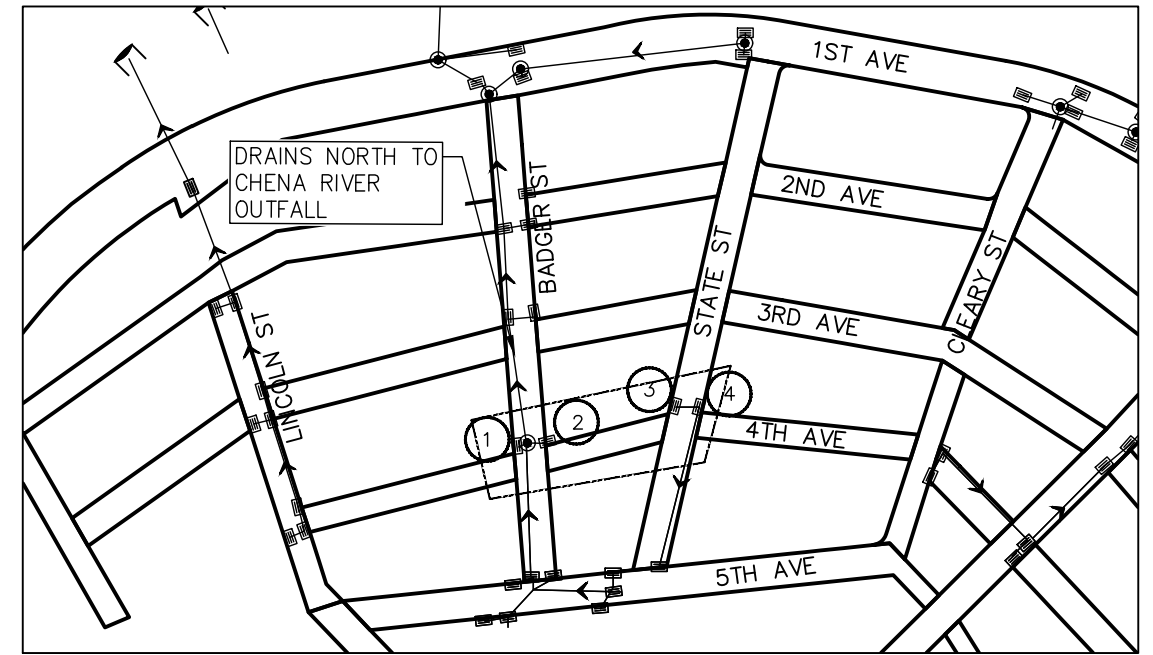
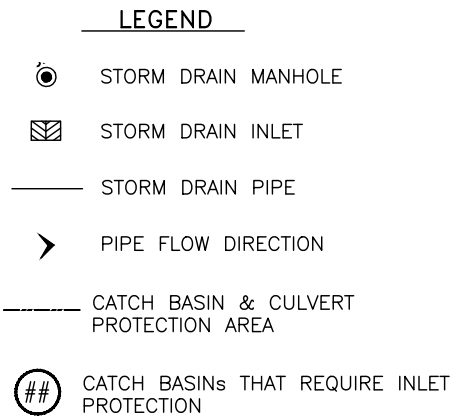
SCALE:		DESIGNED: RHP/KLL	APPROVED	4TH & STATE STORM DRAIN PROJECT	CITY OF FAIRBANKS, ALASKA Engineering Department	3.02
1"=20' HORIZ., 1"=2' VERT. (FULL SIZE)		DRAWN: KLL	CITY ENGINEER			
DATE	REVISION	BY	DATE: 06/20/24		Project ITB-24-10	OF 10 SHEETS

PROJECT SITE INFORMATION

- SITE FUNCTION: STORM DRAIN AND SANITARY SEWER CROSS CONNECTION REPAIR
- MEAN ANNUAL PRECIPITATION: 10.53 INCHES AT FAIRBANKS INTERNATIONAL AIRPORT
SOURCE: <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?ak2968>
- 2-YEAR, 24-HOUR RAINFALL EVENT: 1.09 INCHES, STATION: FAIRBANKS F.O. SITE ID: 10-0215 (SOURCE: https://hdsc.nws.noaa.gov/pfds/pfds_map_ak.html)
- PROJECT AREAS ARE LISTED BELOW, MATERIAL SITES NOT INCLUDED:
PROJECT AREA: 0.27 ACRES
DISTURBED AREA: 0.14 ACRES
PRE-CONSTRUCTION PERCENT IMPERVIOUS AREA: 66
POST CONSTRUCTION PERCENT IMPERVIOUS AREA: 66
PRE-CONSTRUCTION RUNOFF COEFFICIENT: 0.60
POST-CONSTRUCTION RUNOFF COEFFICIENT: 0.60
- MATERIAL SITES: MATERIALS WILL BE CONTRACTOR FURNISHED.
- LANDSCAPE TOPOGRAPHY: VERY FLAT RESIDENTIAL DEVELOPMENT IN PROJECT CORRIDOR. EXISTING SLOPES IN THIS AREA ARE RELATIVELY FLAT WITH POSITIVE DRAINAGE AWAY FROM STRUCTURES AND ROADS INTO EXISTING STORM DRAIN INFRASTRUCTURE.
- DRAINAGE PATTERNS: SURFACE DRAINAGE VIA PIPED STORM DRAIN SYSTEM FLOWS TO THE CHENA RIVER VIA EXISTING OUTFALL LOCATED AT THE GHU WATER TREATMENT PLANT.
- APPROXIMATE GROWING SEASON: MAY 3 THROUGH OCTOBER 3.
- EXISTING VEGETATION: PROJECT AREA IS COMMERCIAL LANDSCAPED GRASS, AND TREES.
- HISTORIC SITE CONTAMINATION: CONTAMINATED SITES HAVE BEEN IDENTIFIED WITHIN 1500 FEET THE PROJECT AREA (SOURCE: [HTTPS://DEC.ALASKA.GOV/SPAR/CSP](https://DEC.ALASKA.GOV/SPAR/CSP))
 - HAZARD ID: 23053, SITE NAME: FMUS FIRE WELL #3 (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 25024, SITE NAME: FMUS PUMP STA #8 (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 540, SITE NAME: FAIRBANKS POWER PLANT (USTs2 & 3) (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 24996, SITE NAME: FMUS - WAREHOUSE FUEL ISLAND (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 1385, SITE NAME: CITY OF FAIRBANKS 60K GALLON AGSTs (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 24956, SITE NAME: FMUS - FUEL ISLAND WAREHOUSE/GARAGE (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 24202, SITE NAME: FMUS - WATER TREATMENT PLANT PS #1 (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 1403, SITE NAME: GVEA STORAGE PROPERTY (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 3817, SITE NAME: ARRC FAIRBANKS HOT (FORMERLY MIDNIGHT SUN) (STATUS: CLEANUP COMPLETE)
 - HAZARD ID: 2918, SITE NAME: FORMER A&W WHOLESALE (STATUS: CLEANUP COMPLETE, INSTITUTIONAL CONTROL)
- STAGING AND STOCKPILE AREAS: CONTRACTOR MUST SEEK LOCATIONS FOR STOCKPILING MATERIAL AND STAGING AND STORAGE OF EQUIPMENT.

ENVIRONMENTAL INFORMATION

- RECEIVING WATERS: CHENA RIVER, FAIRBANKS MS4
- IMPAIRED WATER BODIES: NONE
- TOTAL MAXIMUM DAILY LOAD (TDML): NONE
- STORM SEWER / DRAINAGE SYSTEMS: CITY OF FAIRBANKS MS4 CONSISTING OF PIPED AND SURFACE WATER DRAINAGE NETWORK TO OUTFALLS AT CHENA RIVER.
- THREATENED AND ENDANGERED SPECIES: NONE
- HISTORICAL & CULTURAL RESOURCE PRESENCE: NONE
- FISH & WILDLIFE HABITAT PRESENCE: ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH THE MIGRATORY BIRD TREAT ACT TO PREVENT THE KILLING OR TAKING OF MIGRATORY BIRDS OR ANY PART, NEST, OR EGG OF ANY SUCH BIRDS.
- EXISTING PUBLIC WATER SYSTEM (PWS) DRINKING WATER PROTECTION AREAS:
 - PWSID: AK2310730
 - WATER SYSTEM NAME: GOLDEN HEART UTILITIES
 - PWS CONTACT INFORMATION NAME: TARIK SPEAR
PHONE: (907) 455-4444
EMAIL: TARIK.SPEAR@AKWATER.COM
ADDRESS: 3691 CAMERON ST #201, FAIRBANKS, AK 99709



4TH AND STATE

EROSION & SEDIMENT CONTROL PLAN (ESCP) NOTES

- THIS PROJECT IS UNDER ONE ACRE AND WILL NOT BE REQUIRED TO DEVELOP A SWPPP OR FILE AN NOI WITH ADEC. EVEN IF THIS PROJECT DOES NOT NEED PERMIT COVERAGE, EROSION AND SEDIMENT CONTROLS WILL BE REQUIRED AND WATER QUALITY WILL BE PROTECTED.
- THIS SHEET CONTAINS A PLAN VIEW OF MARIKA ROAD AND ITS EXISTING STORM DRAIN SYSTEM, INCLUDING ALL KNOWN STORM DRAIN INLETS, MANHOLES, AND PIPED SECTIONS. THE CONTRACTOR SHALL SELECT AND APPLY APPROPRIATE CONTROLS TO PREVENT SEDIMENT AND OTHER POLLUTANTS FROM ENTERING THE PIPED STORM DRAIN SYSTEM AND DISCHARGING TO THE NOYES SLOUGH.
- HAVE A SPILL KIT AVAILABLE AT EACH WORK AREA WHEN HEAVY EQUIPMENT IS BEING UTILIZED.
- ALL ENTRANCE AND EXITS WILL BE SWEEPED AT A FREQUENCY TO MINIMIZE THE TRACK OUT FORM THE PROJECT OR AS DIRECTED BY THE ENGINEER.

TEMPORARY BEST MANAGEMENT PRACTICES (BMPS)

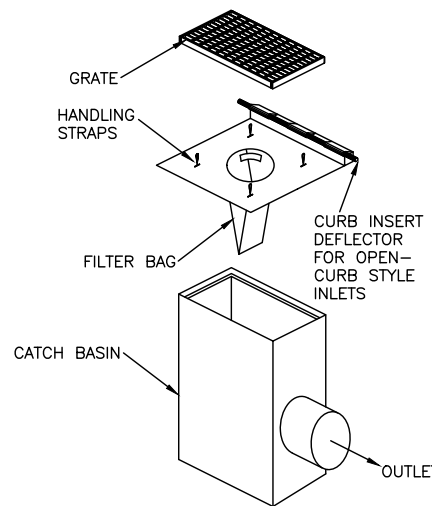
- BEST MANAGEMENT PRACTICES (BMPS) IMPLEMENTED ON THIS PROJECT WILL UTILIZE THE SPECIFICATIONS PROVIDED IN THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION STORM WATER GUIDE OR THE DOT&PF BMP GUIDE, WHENEVER POSSIBLE.
- INSTALL EROSION AND SEDIMENT CONTROL BMP'S PRIOR TO THE START OF CONSTRUCTION, AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ONSITE.
- AT A MINIMUM, INLET PROTECTION (I.E. FILTER BAGS PLACED UNDER THE INLET GRATE) SHALL BE PROVIDED AT ALL INLETS WITHIN AND IMMEDIATELY ADJACENT TO THE PROJECT LIMITS.
- MAINTAIN BMPS ON A REGULAR BASIS INCLUDING, BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF SEDIMENT AND REPLACING DAMAGED BMPS OR AS DIRECTED BY THE ENGINEER.

HAZARDOUS MATERIAL CONTROL PLAN (HMCP)

- SUBMIT AN ELECTRONIC COPY TO THE ENGINEER FOR APPROVAL. THE CITY WILL REVIEW THE HMCP SUBMITTAL WITHIN 14 DAYS AFTER IT IS RECEIVED.
- PREPARE THE HMCP FOR PREVENTION OF POLLUTION FROM STORAGE, USE, CONTAINMENT, CLEANUP, AND DISPOSAL OF ALL HAZARDOUS MATERIALS, INCLUDING PETROLEUM PRODUCTS RELATED TO CONSTRUCTION ACTIVITIES AND EQUIPMENT. COMPILE MATERIAL SAFETY DATA SHEETS IN ONE LOCATION AND REFERENCE THAT LOCATION IN THE HMCP.
- DESIGNATE A CONTRACTOR'S SPILL RESPONSE FIELD REPRESENTATIVE WITH 24 HOUR CONTACT INFORMATION. DESIGNATE A SUBCONTRACTOR SPILL RESPONSE COORDINATOR FOR EACH SUBCONTRACTOR. THE SUPERINTENDENT AND CONTRACTOR'S SPILL RESPONSE FIELD REPRESENTATIVE MUST HAVE 24 HOUR CONTACT INFORMATION FOR EACH SUBCONTRACTOR SPILL RESPONSE COORDINATOR AND THE UTILITY SPILL RESPONSE COORDINATOR.

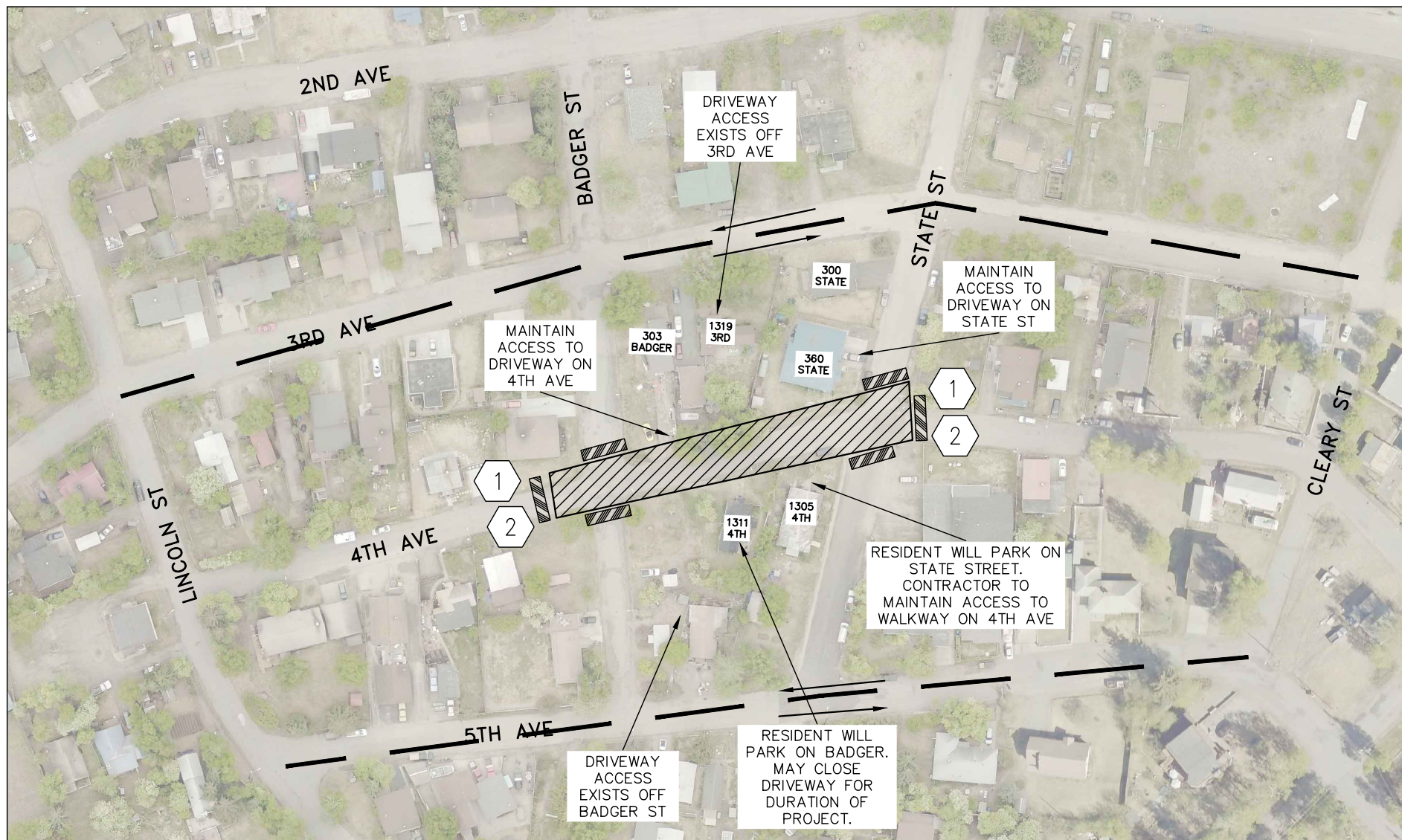
HAULING

- ENSURE LOADS ARE STABLE OR COVERED SO THAT NO MATERIAL ESCAPEMENT OCCURS DURING HAULING ACTIVITIES.



CATCH BASIN INLET PROTECTION DETAIL

SCALE:			DESIGNED: RHP/KLL	APPROVED	4TH & STATE STORM DRAIN PROJECT	CITY OF FAIRBANKS, ALASKA Engineering Department	4.01
			DRAWN:	CITY ENGINEER			
			CHECKED: RHP				
DATE	REVISION	BY	DATE: 06/20/24	DATE	Project ITB-24-10	OF 10 SHEETS	



4TH AVENUE CONSTRUCTION REQUIREMENT NOTES

- 1 4TH AVENUE FROM BADGER STREET TO STATE STREET MAY BE CLOSED TO THRU VEHICULAR TRAFFIC FOR THE DURATION OF THE PROJECT. USE 3RD AVENUE AND 5TH AVENUE FOR VEHICULAR DETOUR.
- 2 PEDESTRIAN ACCESS SHALL BE MAINTAINED THROUGH PROJECT AREA TO ALL RESIDENTIAL PROPERTIES.

LEGEND

- TYPE 3 BARRICADE WITH R11-2 SIGN
- WORK AREA - FULL CLOSURE
- DETOUR ROUTE

TRAFFIC CONTROL GENERAL NOTES

1. THESE TRAFFIC CONTROL PLANS (TCPs) ARE GENERAL IN NATURE. CONTRACTOR TO PROVIDE DETAILED TRAFFIC CONTROL PLANS TO ENGINEER FOR APPROVAL. NO WORK SHALL BEGIN WITHOUT AN APPROVED TCP.
2. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT ADOT ADOPTED EDITION FOR TRAFFIC CONTROL PLAN SPECIFICATIONS.
3. IMPLEMENT ONLY ONE TRAFFIC CONTROL SETUP AT A TIME AND RESTORE FULL FUNCTION AS SOON AS PRACTICABLE.
4. ALL SIGNS AND BARRICADES SHALL MEET REQUIREMENTS OF THE CURRENT ALASKA TRAFFIC MANUAL (ATM), MUTCD, AND ALASKA SIGN DESIGN SPECIFICATION (ASDS). THE FINAL JUDGMENT IN THE SELECTION, NUMBER AND APPLICATION OF THE TRAFFIC CONTROL DEVICES AND LOCATION OF ALL TRAFFIC CONTROL MEASURES WILL REST WITH THE ENGINEER.
5. EXISTING SIGNS WHICH CONFLICT WITH CONSTRUCTION SIGNING SHALL BE COVERED DURING PROJECT.
6. CONSTRUCTION SIGNING SPECIFIED MAY BE ALTERED BY THE ENGINEER TO MEET CHANGING CONDITIONS AND TO PROTECT THE TRAVELING PUBLIC.
7. BARRICADE SETUPS SHALL HAVE 1 OPERABLE FLASHING LIGHT FOR EACH 10 FEET OF BARRICADE, WITH A MINIMUM OF 2 LIGHTS PER TYPE III BARRICADE. EXCEPT IN A TAPER WHERE ONLY THE FIRST TWO LIGHTS SHALL FLASH (TYPE A) AND THE REMAINDER SHALL BE STEADY BURN (TYPE C).
8. WHEN STREETS ARE RESTRICTED TO ONE LANE, THE MINIMUM CLEAR WIDTH SHALL BE 12' UNLESS OTHERWISE SPECIFIED ON AN APPROVED TRAFFIC CONTROL PLAN (TCP) OR AS DIRECTED BY THE ENGINEER.
9. ACCESS SHALL BE MAINTAINED FOR THE PASSAGE OF EMERGENCY VEHICLES THROUGH THE PROJECT.
10. ACCESS SHALL BE PROVIDED TO RESIDENTIAL PROPERTIES DURING THEIR BUSINESS HOURS. CLOSURES SHALL NOT OCCUR WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. COORDINATE CLOSURE PLANS WITH THE AFFECTED BUSINESS OWNERS AND PROPERTY OWNERS. NOTIFY OWNERS A MINIMUM OF 48 HOURS PRIOR TO IMPLEMENTATION OF AN APPROVED CLOSURE.
11. PEDESTRIAN FLAGGERS SHALL BE PROVIDED FOR PUBLIC ACCESS AS REQUIRED THROUGHOUT THE PROJECT LIMITS.
12. ALTERNATE ACCESS MAY ALSO BE USED AS PART OF AN APPROVED TRAFFIC CONTROL PLAN. ALTERNATE ACCESS ROUTES SHALL BE CLEARLY SIGNED.
13. TYPE "A" FLASHING WARNING LIGHTS SHALL BE USED TO MARK THE TYPE III BARRICADES, ROAD CLOSURES AND ADVANCE DETOUR SIGNING AT NIGHT.
14. CONTRACTOR SHALL INTEGRATE TRAFFIC CONTROL WITH OTHER CONSTRUCTION IN THE AREA AS APPLICABLE.
15. CONTRACTOR SHALL PROVIDE AFFECTED PROPERTY OWNERS NOTICE OF CONSTRUCTION A MAXIMUM OF 3 WEEKS AND A MINIMUM OF 1 WEEK PRIOR TO CONSTRUCTION. NOTICE TO INCLUDE NEWSPAPER ADVERTISEMENT AND FLYERS TO BUSINESS OWNERS.
16. ALL SPECIAL SIGNS SHALL BE FABRICATED OF MATERIALS CONFORMING TO SECTION 615 OF THE SPECIFICATIONS.
17. TEMPORARY DRIVING SURFACE SHALL AT A MINIMUM BE COMPACTED GRAVEL OR AS APPROVED BY THE ENGINEER.

CONSTRUCTION
REQUIREMENTS
1 OF 1

SCALE:			DESIGNED: RHP/KLL	APPROVED	4TH & STATE STORM DRAIN PROJECT	CITY OF FAIRBANKS, ALASKA Engineering Department	5.01
			DRAWN:	_____			
			CHECKED: RHP	CITY ENGINEER			
DATE	REVISION	BY	DATE: 06/20/24	DATE		Project ITB-24-10	OF 10 SHEETS