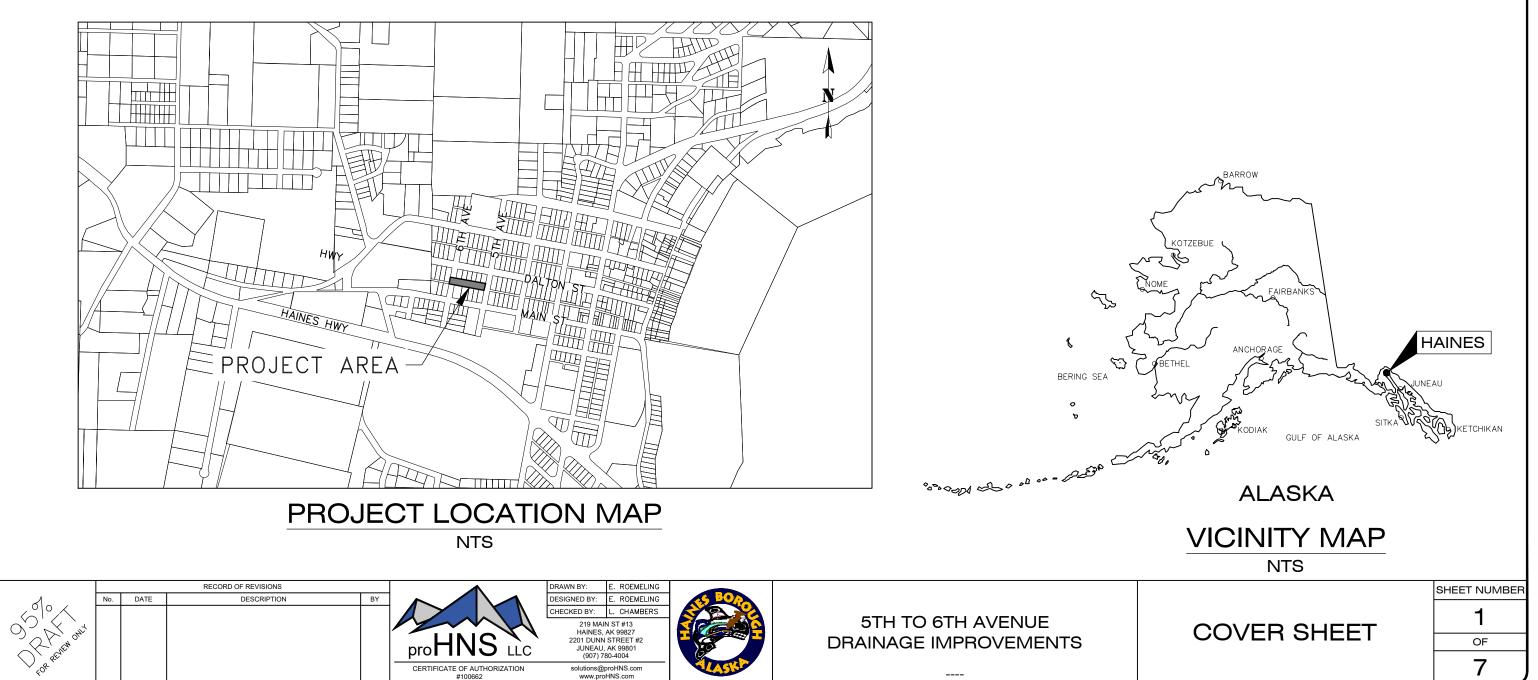
5TH TO 6TH AVENUE DRAINAGE IMPROVEMENTS

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	SHEET INDEX
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	LEGEND ABBREVIATIONS GENERAL NOTES
3	EXISTING SITE CONDITIONS & DRAINAGE PATTERNS
4	PLAN VIEW
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6	CONSTRUCTION DETAILS
7	SURVEY CONTROL SHEET

HAINES BOROUGH, ALASKA

#100662



DESCRIPTION EXISTING ASPHALT EDGE_OF_ASPHAL BOLLARDS • BUILDING		PROPOSED HATCHED AREA	AC BOP BTM BVC CB Q CMP CPP CONC CTE DIP DIA EL EOP	ASPHALT CONCRETE BEGINNING OF PROJECT BOTTOM BEGIN VERTICAL CURVE CATCH BASIN CENTERLINE CORRUGATED METAL PIPE CORRUGATED POLYETHYENE PIPE CONCRETE CONNECT TO EXISTING DUCTILE IRON PIPE DIAMETER
BOLLARDS BUILDING ROCKERY WALL DITCH FLOW LINE GUTTER FENCE FIRE HYDRANT MONUMENT PROPERTY LINE		HATCHED AREA	BVC CB CMP CPP CONC CTE DIP DIA EL	BEGIN VERTICAL CURVE CATCH BASIN CENTERLINE CORRUGATED METAL PIPE CORRUGATED POLYETHYENE PIPE CONCRETE CONNECT TO EXISTING DUCTILE IRON PIPE
BUILDING ROCKERY WALL DITCH FLOW LINE GUTTER FENCE FIRE HYDRANT MONUMENT PROPERTY LINE	7777) 3028 		€ CMP CPP CONC CTE DIP DIA EL	CENTERLINE CORRUGATED METAL PIPE CORRUGATED POLYETHYENE PIPE CONCRETE CONNECT TO EXISTING DUCTILE IRON PIPE
ROCKERY WALL DITCH FLOW LINE GUTTER FENCE FIRE HYDRANT MONUMENT PROPERTY LINE			CONC CTE DIP DIA EL	CONCRETE CONNECT TO EXISTING DUCTILE IRON PIPE
DITCH FLOW LINE			DIA EL	
GUTTER FENCE				ELEVATION END OF PROJECT
FENCE		>>	EX FG	EXISTING FINISHED GRADE FIRE HYDRANT
FIRE HYDRANT			FH GV HB HDPE	GATE VALVE HAINES BOROUGH HIGH DENSITY POLYETHYLENE
MONUMENT $ eggin{array}{c} & & \\ & $	××		IE INV LT	INVERT ELEVATION INVERT LEFT
PROPERTY LINE			L I LVC MH MIN	LENGTH OF VERTICAL CURVE MANHOLE MINIMUM
			MIN MTE NIC NO	MATCH TO EXISTING NOT IN CONTRACT NUMBER
EASEMENT LINE · ·			NTS OD	NOT TO SCALE OUTSIDE DIAMETER OVERHEAD ELECTRIC
		· ·	OHE PC PSI	POINT OF CURVATURE POUNDS PER SQUARE INCH POINT OF TANGENT
SANITARY SEWER CLEANOUT O			PT PVC PVI	POLYVINYL CHLORIDE PIPE POINT OF VERTICAL INTERSECTION RADIUS POINT
SANITARY SEWER PIPE	PE		RP RT ROW	RIGHT RIGHT-OF-WAY
SANITARY SEWER MANHOLE			SDMH SSMH STA	STORM DRAIN MANHOLE SANITARY SEWER MANHOLE STATION STANDARD
SAWCUT & MTE LIMITS		· ·	STD TBC TBG TBM	TOP BACK OF CURB TOP BACK OF GUTTER TEMPORARY BENCHMARK
SIGN			TP TYP	TOP OF PAVEMENT TYPICAL
STORM DRAIN CATCH BASIN			VPC VPI VPT	VERTICAL POINT OF CURVATURE VERTICAL POINT OF INTERSECTION VERTICAL POINT OF TANGENCY
STORM DRAIN PIPE	PE PIPE SIZE & TYPE D			
STORM DRAIN MANHOLE, GRATE		\bigcirc		
TOP OF DITCH				
	YY.			
UNDERGROUND PIPE CAP [
UTILITY POLE WITH LUMINAIRE $\downarrow +$				
OVERHEAD ELECTRICAL LINE OHE OHE	Ε			
WATER LINE PIPE	PE			
WATER VALVE BOX				

- BREVIATIONS SPHALT CONCRETE 1. GINNING OF PROJECT LAWS AND STANDARDS. MOTTC GIN VERTICAL CURVE ATCH BASIN INTERLINE ORRUGATED METAL PIPE ORRUGATED POLYETHYENE PIPE ONCRETE ONNECT TO EXISTING JCTILE IRON PIPE IAMETER I EVATION ND OF PROJECT KISTING 3. NISHED GRADE RE HYDRANT ATE VALVE AINES BOROUGH IGH DENSITY POLYETHYLENE VERT ELEVATION VERT ENGTH OF VERTICAL CURVE ANHOLE INIMUM ATCH TO EXISTING OT IN CONTRACT JMBER OT TO SCALE
 - A) HAINES BOROUGH PUBLIC FACILITIES, 907-766-6414. B) ALASKA POWER & TELEPHONE(AP&T), 907-766-6500. C) HAINES CABLE TV, 907-766-2337.

 - HYDRAULIC GROWTH MEDIUM AND GRASS SEED UNLESS OTHERWISE SHOWN ON THE PLANS.
 - UNINTERRUPTED TO ALL BUSINESS AND RESIDENCES AFFECTED BY THIS PROJECT.
 - SATISFACTION OF THE ENGINEER.
 - ON PRIVATE PROPERTY, WITHOUT THE APPROVAL OF THE PROPERTY OWNER.
 - DRAWINGS OR DIRECTED BY THE ENGINEER.
 - CONCRETE, ASPHALT, UNSUITABLE SOILS AND ETC.
 - 11. WORK SHALL BE PERFORMED MONDAY THROUGH FRIDAY, 8AM TO 5PM ONLY.

- "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' AND THE ALASKA SUPPLEMENT.

- PROJECT SITE.
- 5. PROVIDE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.

PERFORM THE WORK SHOWN BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2020 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE PROJECT MANUAL.



5TH TO 6TH AVENUE DRAINAGE IMPROVEMENTS

GENERAL NOTES

ALL WORK FOR THESE PLANS SHALL BE CONDUCTED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL

2. LOCATIONS AND ELEVATION OF EXISTING UNDERGROUND WATER, SEWER, POWER, TELEPHONE AND CABLE TELEVISION SHOWN ON THE PLANS WERE DERIVED FROM HAINES BOROUGH AS-BUILTS AND FIELD LOCATES. THE ACTUAL LOCATION OF UTILITIES MAY VARY FROM THOSE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING EXISTING UTILITIES THROUGHOUT THE CONSTRUCTION OF THE PROJECT. ANY DAMAGE TO UTILITIES DURING CONSTRUCTION SHALL BE PAID FOR BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL CONTACT AND REQUEST UTILITY LOCATES, AT A MINIMUM, FROM THE FOLLOWING PRIOR TO BEGINNING EARTH DISTURBING ACTIVITIES:

A GEOTECHNICAL INVESTIGATION WAS NOT PERFORMED AS PART OF THIS DESIGN. HARDPAN, CLAY, GROUNDWATER, LARGE BOULDERS, BEDROCK, STUMPS, LOGS, ORGANICS, AND OTHER NATIVE MATERIALS MAY BE ENCOUNTERED AT VARIOUS DEPTHS DURING TRENCHING AND SITE GRADING OPERATIONS.

4. THE TOTAL DISTURBED AREA FOR THIS PROJECT IS ANTICIPATED TO BE LESS THAN ONE ACRE.

5. ALL DISTURBED AREAS SHALL BE RESTORED TO EXISTING CONDITIONS AND GRADES, AND STABILIZED WITH AN APPROVED

6. CONTRACTOR SHALL ENSURE GARBAGE PICKUP, PRIVATE AND BUSINESS DELIVERIES, AND DAILY MAIL SERVICE WILL BE

7. THE CONTRACTOR SHALL NOTIFY EACH PROPERTY OWNER OF DRIVEWAY CLOSURE 48 HOURS PRECEDING THE DAY THE DRIVEWAY IS TO BE CLOSED TO VEHICULAR ACCESS. THE PROPERTY OWNER SHALL BE INFORMED OF THE PERIOD OF TIME THE CLOSURE WILL BE IN EFFECT. NO DRIVEWAY CLOSURES WILL BE PERMITTED UNTIL THIS REQUIREMENT HAS BEEN MET TO THE

8. THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT, OR OPERATE EQUIPMENT WITH ITS TRACKS OR WHEELS PLACED

9. THE PLAN DRAWINGS DO NOT SHOW ALL PLANTINGS, AND OTHER LANDSCAPING THAT WILL BE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES. NO PLANTINGS OR LANDSCAPING ARE TO BE REMOVED OR DAMAGED, UNLESS SHOWN ON THE

10. ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE DISPOSED OF OFF-SITE, EXCEPT AS NOTED IN THE CONTRACT DOCUMENTS. ALL OTHER MATERIALS TO BE REMOVED AND DISPOSED OF SHALL BECOME THE PROPERTY OF THE CONTRACTOR, INCLUDING

TRAFFIC CONTROL NOTES

ALL TRAFFIC TO BE CONTROLLED PER REQUIREMENTS OF THE ALASKA TRAFFIC MANUAL, U.S. DEPARTMENT OF TRANSPORTATION

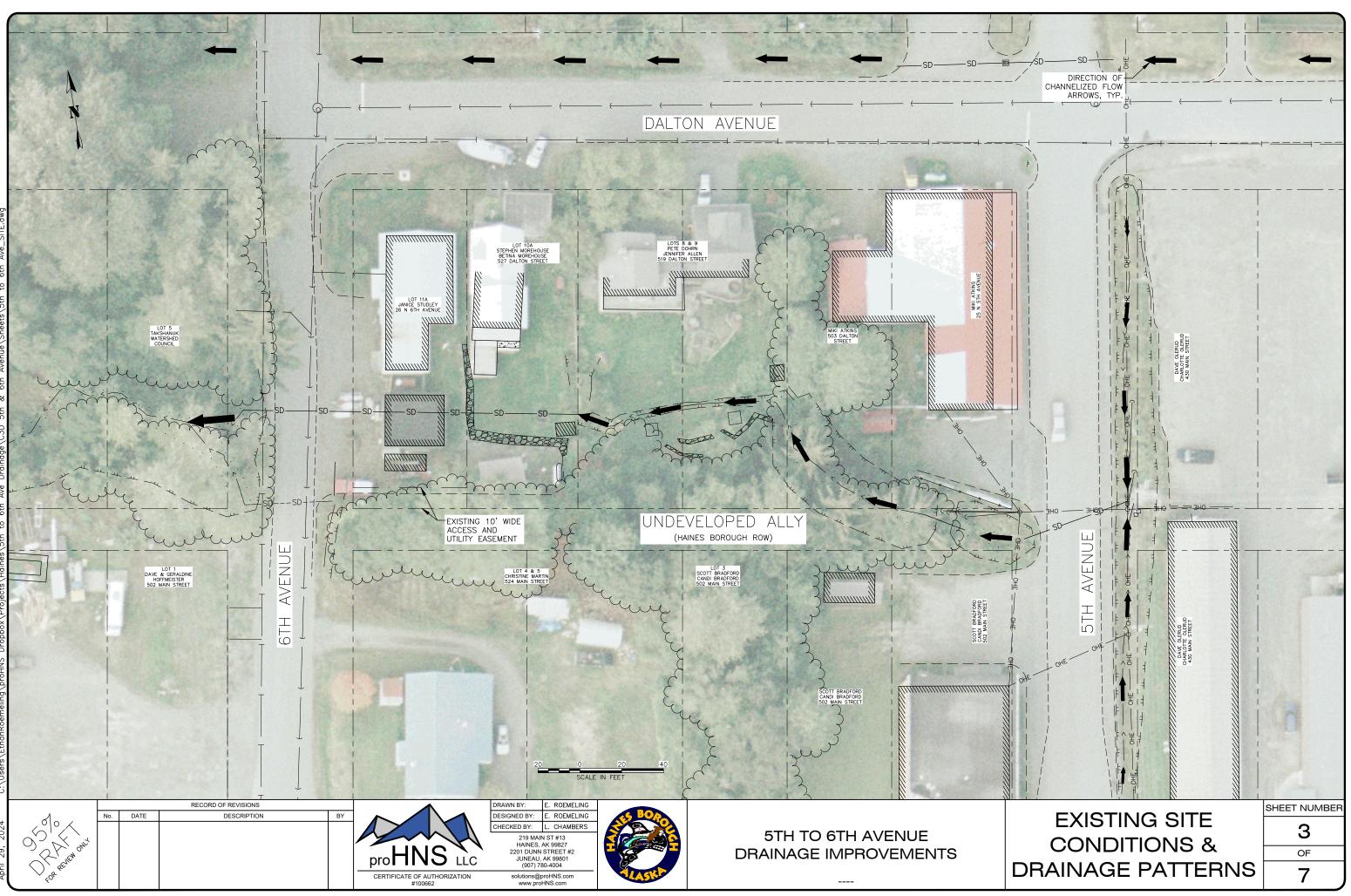
2. MAINTAIN ONE (1) LANE FOR TRAFFIC AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

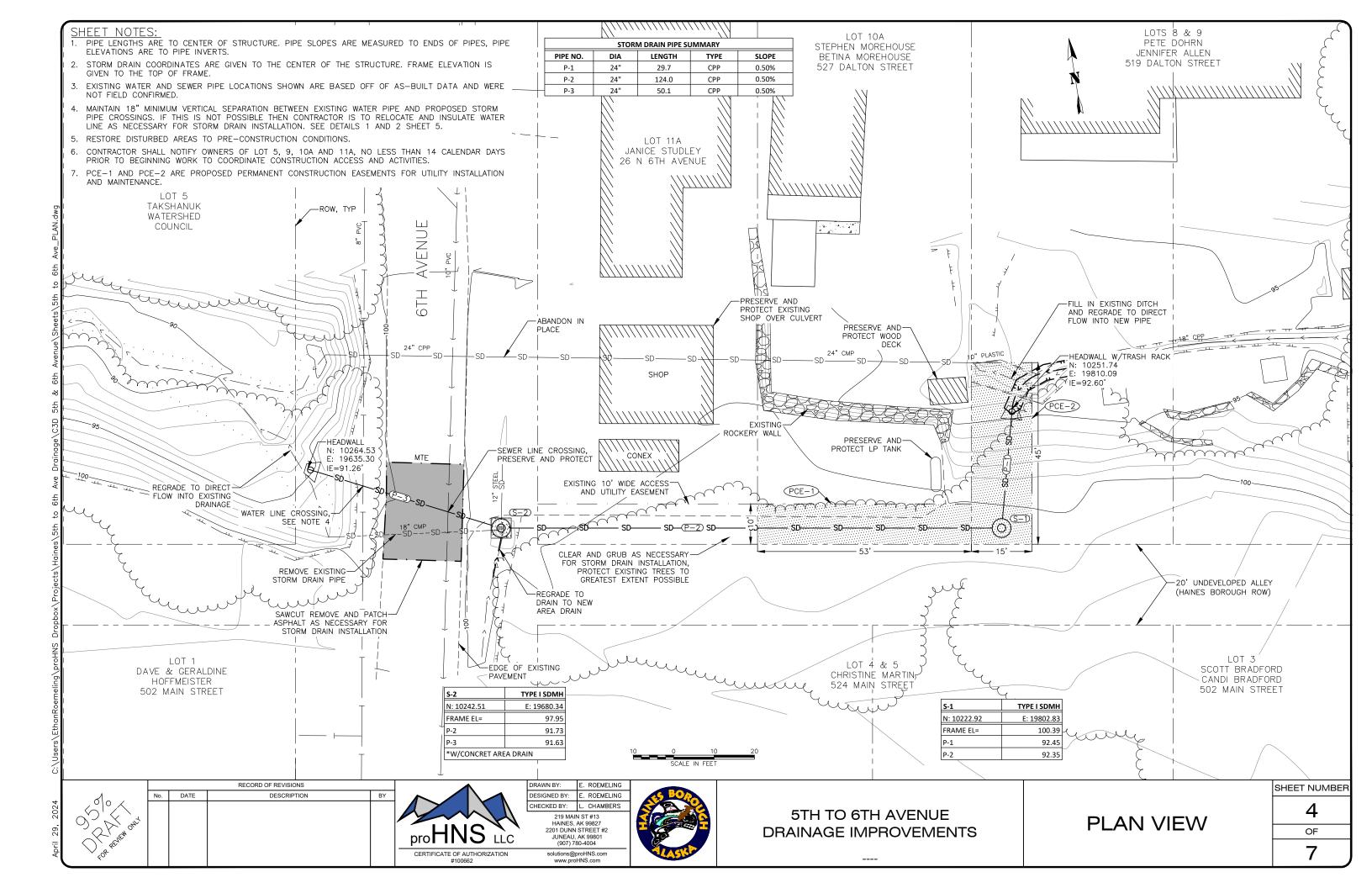
3. NOTIFICATION OF WORK THAT MAY IMPEDE TRAFFIC MUST BE PROVIDED TO THE HB PUBLIC WORKS DEPARTMENT, HB POLICE DEPARTMENT, HAINES VOLUNTEER FIRE DEPARTMENT, CHILKOOT INDIAN ASSOCIATION, ALASKA DOT&PF HAINES M&O FOREMAN, AND THE GENERAL PUBLIC A MINIMUM OF 72 HOURS IN ADVANCE OF IMPLEMENTING TRAFFIC CONTROL.

4. CONTRACTOR MUST PROVIDE ALL NECESSARY SIGNS AND TRAFFIC CONTROL DEVICES TO MOVE TRAFFIC THROUGH OR AROUND THE

STANDARD SPECIFICATION







S-2	TYPE I SDMH		
N: 10242.51	E: 19680.34		
FRAME EL=	97.95		
P-2	91.73		
P-3	91.63		
*W/CONCRET AREA DRAIN			

#100662

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STORM DRAIN PIPE SUMMARY						
PIPE NO.	DIA	LENGTH	TYPE	SLOPE		
P-1	24"	29.7	CPP	0.50%		
P-2	24"	124.0	СРР	0.50%		
P-3	24"	50.1	СРР	0.50%		

S-1	TYPE I SDMH
N: 10222.92	E: 19802.83
FRAME EL=	100.39
P-1	92.45
P-2	92.35

