

State of Alaska

Department of Transportation and Public Facilities Southeast Region

SITKA, ALASKA

SIT - SAWMILL CREEK ROAD/ HALIBUT POINT ROAD ROUNDABOUT

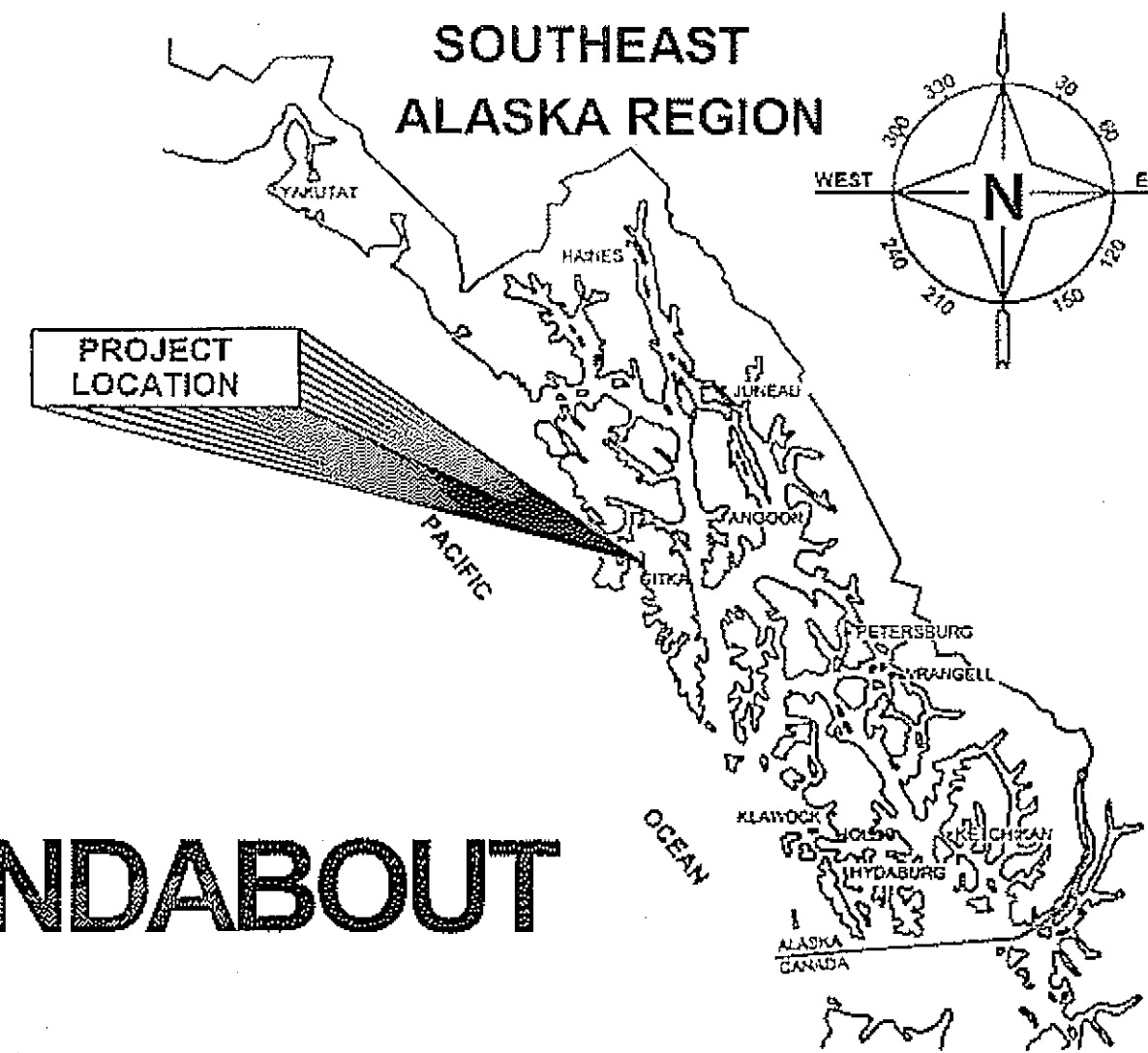
PROJECT No. ACHHE-000S(549)/HHE-000S(673) ~ 68943/68999

CITY AND BOROUGH OF SITKA UTILITIES UPGRADE RSA 68852

CITY AND BOROUGH OF SITKA ELECTRIC DEPARTMENT SELF SUPPORTING UTILITY POLE RSA 69059

As-Built Plans

Project Engineer: Todd Fleming
Contractor: Southeast Earthmovers, Inc.
Start Date: 4-22-09
End Date: 8-31-09



INDEX

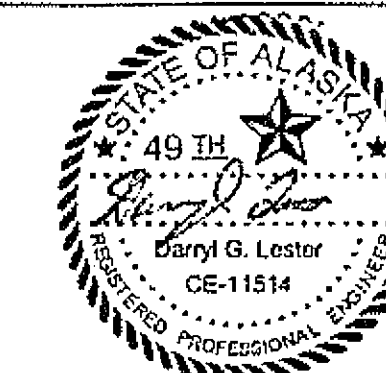
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SURVEY CONTROL PLAN
A3	PROJECT ALIGNMENT LAYOUT PLAN
B1-B3	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	MISCELLANEOUS SUMMARIES
D2	EXISTING UTILITIES, CONDUIT, & CULVERTS
F1	CENTRAL CIRCLE LAYOUT PLAN
F2-F6	PROJECT PLAN & PROFILE
F7	SPLITTER ISLAND LAYOUT PLAN
F8	LAYOUT POINT DATA
H1-H3	DRAINAGE PROFILE
J1-J2	MISCELLANEOUS DETAILS
K1-K2	LANDSCAPING DETAILS
P1-P3	SIGNING & STRIPING PLAN
R1-R2	ILLUMINATION PLAN & DETAILS
S1-S6	TRAFFIC CONTROL PLAN
T1	EROSION AND SEDIMENT CONTROL PLAN
U1-U12	UTILITY PLAN
V1-V3	SELF SUPPORTING UTILITY POLE
W1-W6	RIGHT OF WAY PLAN

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U4-U10	CBS UTILITIES Revision #1 & #2
R1	ILLUMINATION Layout Plan
V3	TRANSMISSION Pole Foundation
E1	WATER Meter Conduit Layouts

PATH: Q:\SIT\68943\PLANSET\68943_A1-TITLE.DWG TAB:A1
2/19/2009 1:15:01 PM
PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION



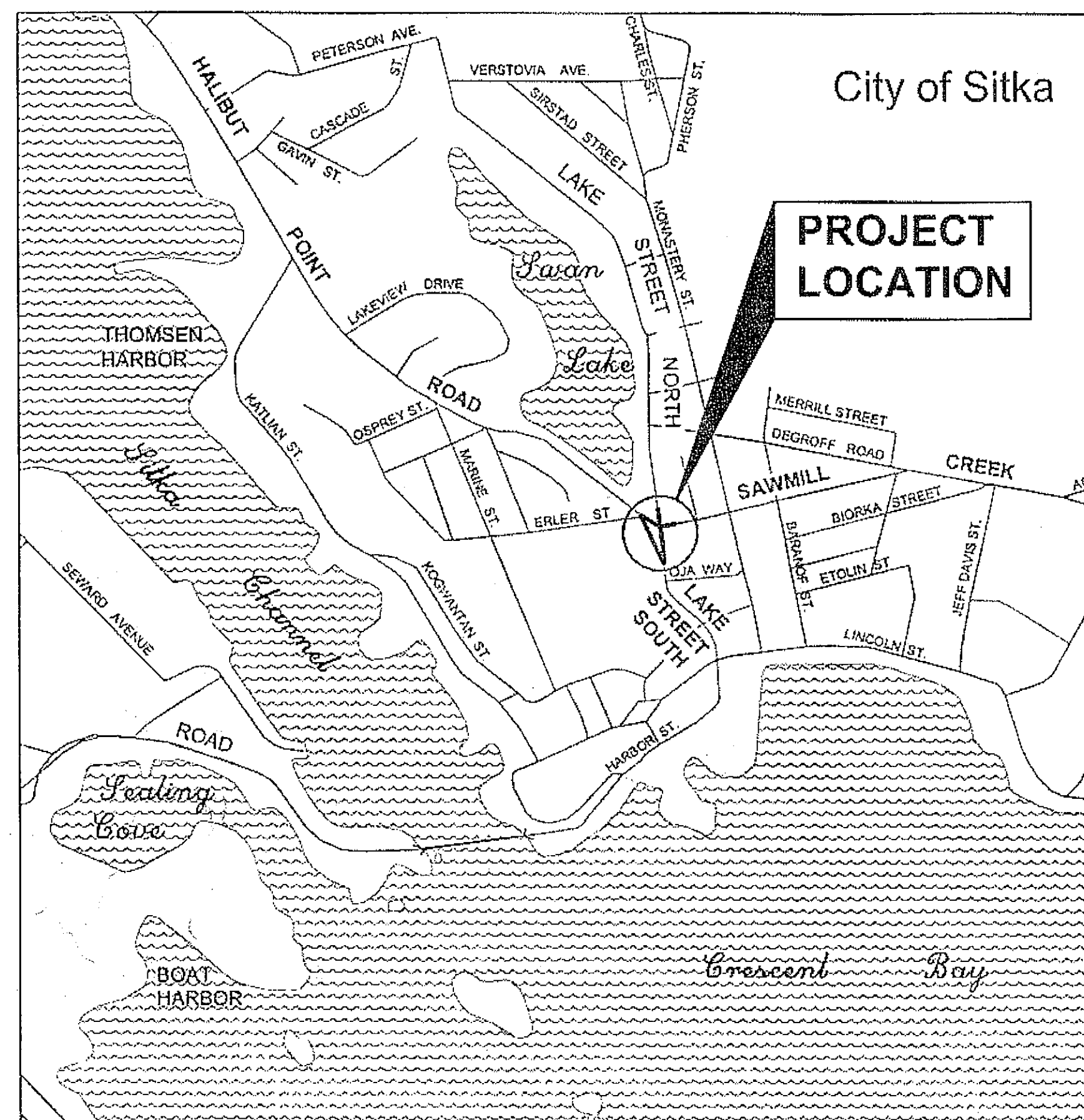
APPROVED: *Victor M. Winters* 2-24-09
REGIONAL PRE-CONSTRUCTION ENGINEER DATE
VICTOR M. WINTERS, P.E.

APPROVED: *Gary L. Davis* 2-24-09
DIRECTOR, SOUTHEAST REGION DATE
GARY L. DAVIS

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD
CONDITION:

CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	ACHHE-000S(549)~68943	2009	A1	57



VICINITY MAP

DESIGN DESIGNATION

A.D.T. 2007	=	11,000
A.D.T. 2027	=	12,160
D.H.V. (10.7%) 2027	=	1,170
% T	=	4.0%
V	=	20 M.P.H.
E.A.L.	=	650,000

PROJECT SUMMARY

LENGTH OF PAVING	=	0.2 MI.
LENGTH OF PROJECT	=	0.2 MI.
WIDTH OF ROADWAY PAVING	=	VARIES

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-01.02	D-26.02	L-03.10	S-00.10	T-20.02
C-03.10	D-04.21	D-35.00	L-23.01	S-05.01	T-21.02
C-05.10	D-22.01	E-13.00	L-26.00	S-20.10	T-22.03
	D-25.00	I-20.13	M-13.01	S-23.00	T-23.00
		I-21.01	M-16.01	S-30.03	

THE FOLLOWING CITY AND BOROUGH OF SITKA STANDARD DRAWINGS APPLY TO THIS PROJECT:

20-8	50-4	50-9	55-13	60-5	70-3	70-9
30-6	50-5	50-10	60-1	60-6	70-5	
50-1	50-6	50-11	60-2	60-7	70-6	
50-2	50-7	50-13	60-3	60-8	70-7	
50-3	50-8	50-14	60-4	70-2	70-8	

986

968

HORIZONTAL CONTROL:

The Basis of Bearing for Japonski Island and downtown Sitka is the state plane grid bearing of **S 43° 02' 50" E** from the recovered threshold runway centerline monument #110 to the recovered threshold runway centerline monument #107. CL mon #110 is a 2" alcap grouted into the threshold of runway 11. CL mon #107 is a 2" brass cap grouted into the threshold of Runway 29.

The Project Specific Horizontal Control is the bearing of **N 15°38'57" W** from #204 to #205. #204 is stamped "SL-204", and is a DOT/PF 2" alcap/rebar located at back of sidewalk near a power pole and just south of a projection of the southerly building face of the fire station. #205 is stamped "SL-205", and is a DOT/PF 2" alcap/rebar located in the middle of the large traffic island separating lake street and halibut point road.

Local coordinates are as follows:

#204 N 30817.4343
E 53874.7273
#205 N 31218.0542
E 53762.5011

VERTICAL CONTROL:

The Basis of Vertical Control is the nos benchmark "16 1941"

"The bench mark is set in the concrete sidewalk leading diagonally eastward to the pioneer monument at the NW corner of the Alaska Pioneers Home grounds, 17 feet (5 m) south of the homes north boundary wall, 2.5 feet (0.8 m) from the inner edge of the Katlian Street sidewalk, and 0.8 foot (0.2 m) north of a low retaining wall."

The published elevation for benchmark "16 1941" is 20.36' above MLLW based on the 1960-1978 tidal epoch.

The Project Specific Basis of Vertical Control is "SL-205" with an accepted elevation of 33.73 ft above MLLW.

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205

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204

CONTROL NOTE:

If any pair of control points disagrees from published value by more than 1:10.000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

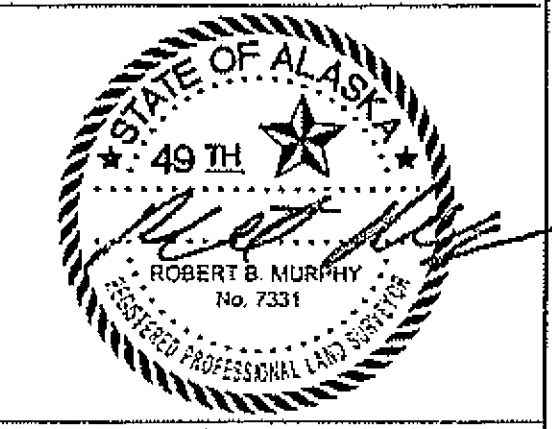
Whether listed or not, all monuments or property markers or accessories which will be disturbed or buried shall be referenced prior to being disturbed and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.

CONTROL POINT TABLE

POINT	NORTHING (ft)	EASTING (FT)	ELEV (mlw)	DESCRIPTION
204	30817.4343	53874.7273	32.62	ALCTRL2"/REBAR_SL204
205	31218.0542	53762.5011	33.73	ALCTRL2"/REBAR_SL205
221	31067.4220	53714.1668	36.67	ALSEC2"
222	31059.4938	53715.2257	34.77	ALSEC2"@SPINHOLE
223	31101.8831	53731.4306	32.52	BC_2.5"
965	31068.7743	53791.6821	34.35	ALSEC1.5" _6304S
966	31107.5474	53778.9530	34.09	ALSEC2" _6304S
967	31220.5778	53719.7317	33.63	ALSEC1.5" _6304S
968	31330.8096	53511.2044	35.78	ALSEC1.5" _6304S
969	31392.3151	53818.0829	34.69	ALSEC1.5"
970	31168.5155	53809.8046	32.66	CL_MON_DOH_BC2.5"
971	31269.1012	53768.2417	32.85	CL_MON_DOH_BC2.5"
972	31297.3743	53741.4264	33.64	CL_MON_DOT_BC2.5"
973	31366.3599	53662.5825	33.81	ALCAP2"
974	31278.5558	53810.9738	33.48	CL_MON_DOH_BC2.5"
975	31326.7226	54030.2859	35.23	CL_MON_DOH_BC2.5"
976	30993.9248	53831.4454	33.32	CL_MON_DOH_BC2.5"
986	31321.7581	53233.6637	62.23	CL_MON_BC2.5" _DOH

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

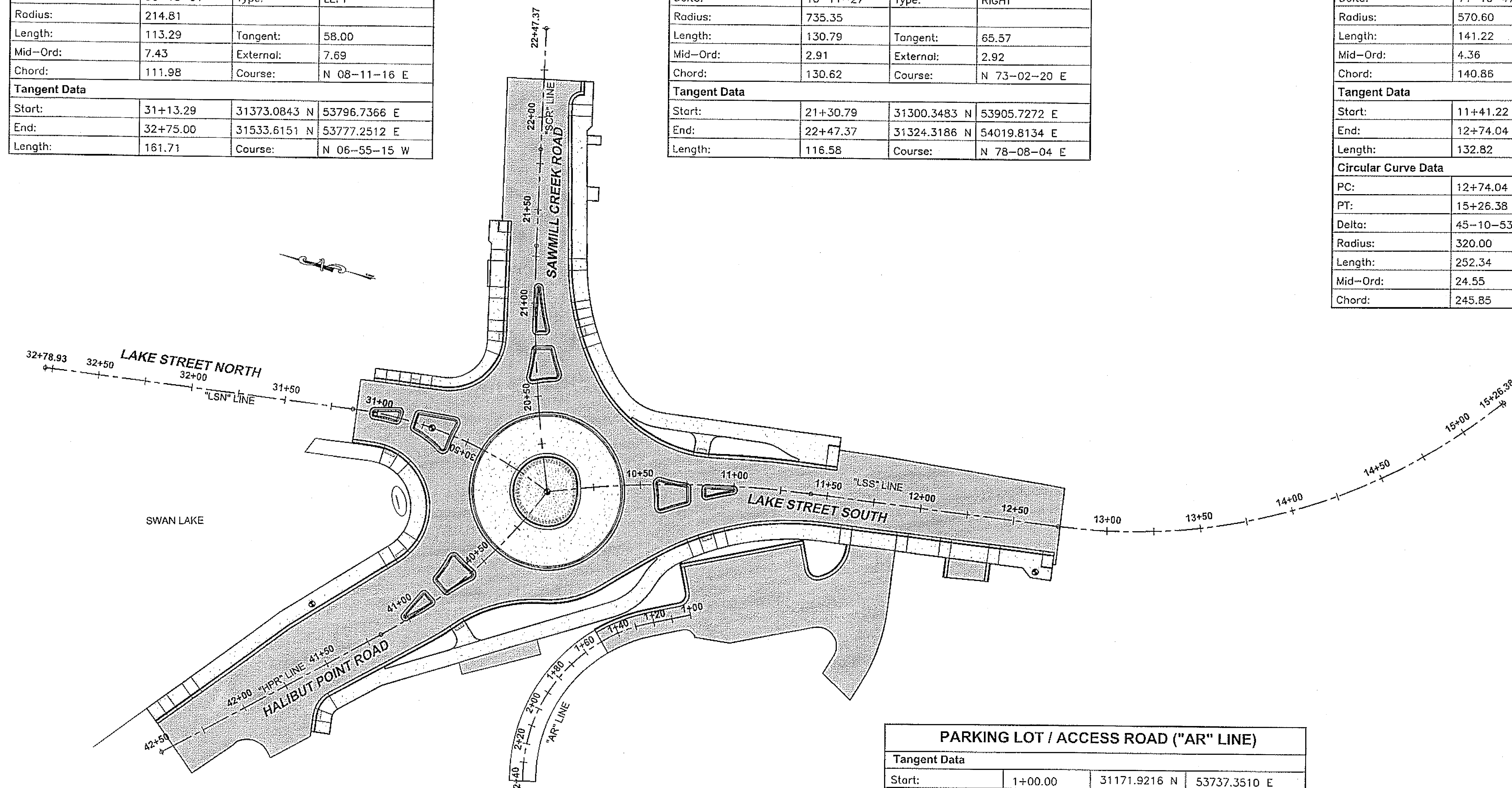
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. MURPHY		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SITKA-SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT	
DESIGNED BY: T. REED		SURVEY CONTROL PLAN	
DRAWN BY: T.R./R.S.			
PATH: Q:\SIT\68943\PLANSET\68943_A2-CONTROL.DWG			
TAB: A2		Monday, February 23, 2009 3:44:24 PM WILSON, BRIAN G (DOT)	
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	
ACHHE-000S(549)~ PROJECT #68943		2009	A2
		SHEET NO.	TOTAL SHEETS
			57

LAKE STREET NORTH ("LSN" LINE)			
Circular Curve Data			
PC:	30+00.00	31262.2435 N	53780.7883 E
PT:	31+13.29	31373.0843 N	53796.7366 E
Delta:	30-13-01	Type:	LEFT
Radius:	214.81		
Length:	113.29	Tangent:	58.00
Mid-Ord:	7.43	External:	7.69
Chord:	111.98	Course:	N 08-11-16 E
Tangent Data			
Start:	31+13.29	31373.0843 N	53796.7366 E
End:	32+75.00	31533.6151 N	53777.2512 E
Length:	161.71	Course:	N 06-55-15 W

SAWMILL CREEK ROAD ("SCR" LINE)			
Circular Curve Data			
PC:	20+00.00	31262.2435 N	53780.7883 E
PT:	21+30.79	31300.3483 N	53905.7272 E
Delta:	10-11-27	Type:	RIGHT
Radius:	735.35		
Length:	130.79	Tangent:	65.57
Mid-Ord:	2.91	External:	2.92
Chord:	130.62	Course:	N 73-02-20 E
Tangent Data			
Start:	21+30.79	31300.3483 N	53905.7272 E
End:	22+47.37	31324.3186 N	54019.8134 E
Length:	116.58	Course:	N 78-08-04 E

LAKE STREET SOUTH ("LSS" LINE)			
Circular Curve Data			
PC:	10+00.00	31262.2435 N	53780.7883 E
PT:	11+41.22	31125.6476 N	53815.1659 E
Delta:	14-10-47	Type:	RIGHT
Radius:	570.60		
Length:	141.22	Tangent:	70.97
Mid-Ord:	4.36	External:	4.40
Chord:	140.86	Course:	S 14-07-35 E
Tangent Data			
Start:	11+41.22	31125.6476 N	53815.1659 E
End:	12+74.04	30993.8240 N	53831.4372 E
Length:	132.82	Course:	S 07-02-12 E
Circular Curve Data			
PC:	12+74.04	30993.8240 N	53831.4372 E
PT:	15+26.38	30780.1142 N	53952.9756 E
Delta:	45-10-53	Type:	LEFT
Radius:	320.00		
Length:	252.34	Tangent:	133.14
Mid-Ord:	24.55	External:	26.59
Chord:	245.85	Course:	S 29-37-38 E

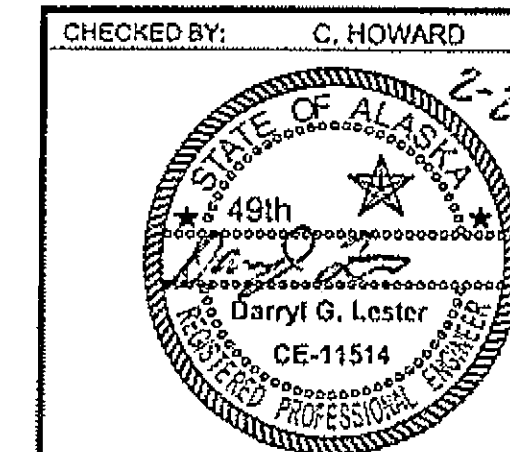


HALIBUT POINT ROAD ("HPR" LINE)			
Circular Curve Data			
PC:	40+00.00	31262.2435 N	53780.7883 E
PT:	41+17.09	31329.1254 N	53685.7668 E
Delta:	24-27-55	Type:	RIGHT
Radius:	274.21		
Length:	117.09	Tangent:	59.45
Mid-Ord:	6.23	External:	6.37
Chord:	116.20	Course:	N 54-51-35 W
Tangent Data			
Start:	41+17.09	31329.1254 N	53685.7668 E
End:	42+50.00	31426.9197 N	53595.7546 E
Length:	132.91	Course:	N 42-37-38 W

PARKING LOT / ACCESS ROAD ("AR" LINE)			
Tangent Data			
Start:	1+00.00	31171.9216 N	53737.3510 E
End:	1+22.38	31192.0449 N	53727.5495 E
Length:	22.38	Course:	N 25-58-10 W
Circular Curve Data:			
PC:	1+22.38	31192.0449 N	53727.5495 E
PT:	2+35.20	31237.9616 N	53633.4367 E
Delta:	76-02-47	Type:	Left
Radius:	85.00		
Length:	112.82	Tangent:	66.46
Mid-Ord:	18.04	External:	22.90
Chord:	104.72	Course:	N 63-59-34 W
Tangent Data			
Start:	2+35.20	31237.9616 N	53633.4367 E
End:	2+40.00	31236.9631 N	53628.7454 E
Length:	4.80	Course:	S 77-59-03 W

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



DESIGNED BY: C. IVANISZEK / D. LESTER
 DRAWN BY: W.H./R.S.

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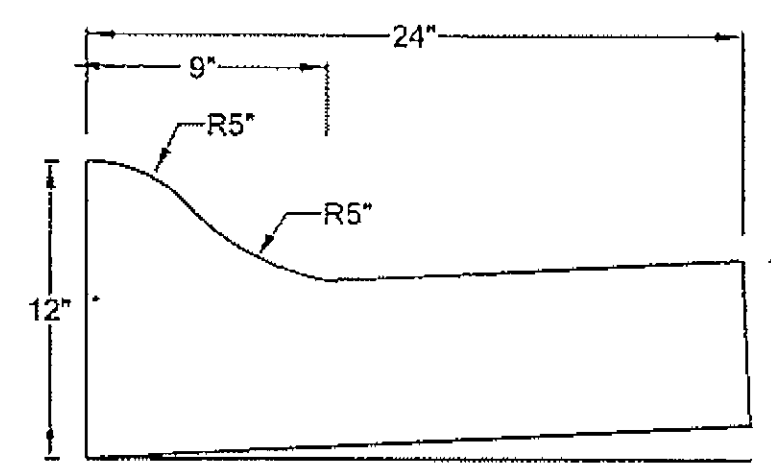
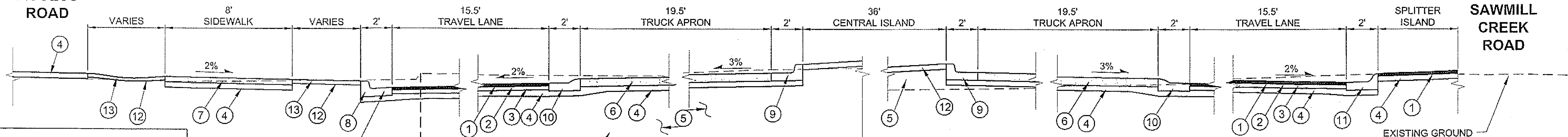
SITKA - SAWMILL CREEK ROAD
 HALIBUT POINT ROAD
 ROUNDABOUT

PROJECT ALIGNMENT
 LAYOUT PLAN

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			ACHHE-000S(549)- PROJECT #68943	2009	A3	57

ACCESS ROAD

NOTE: FOR CENTRAL ISLAND LANDSCAPING, SEE K SHEETS.

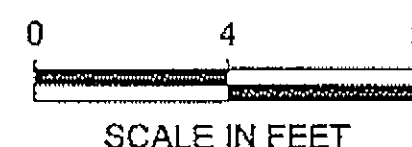


MOUNTABLE CURB AND GUTTER

NOTE LIMITS FOR CHANGE IN STANDARD CURB AND GUTTER STYLE TO MOUNTABLE CURB AND GUTTER. SEE LIMITS BELOW.

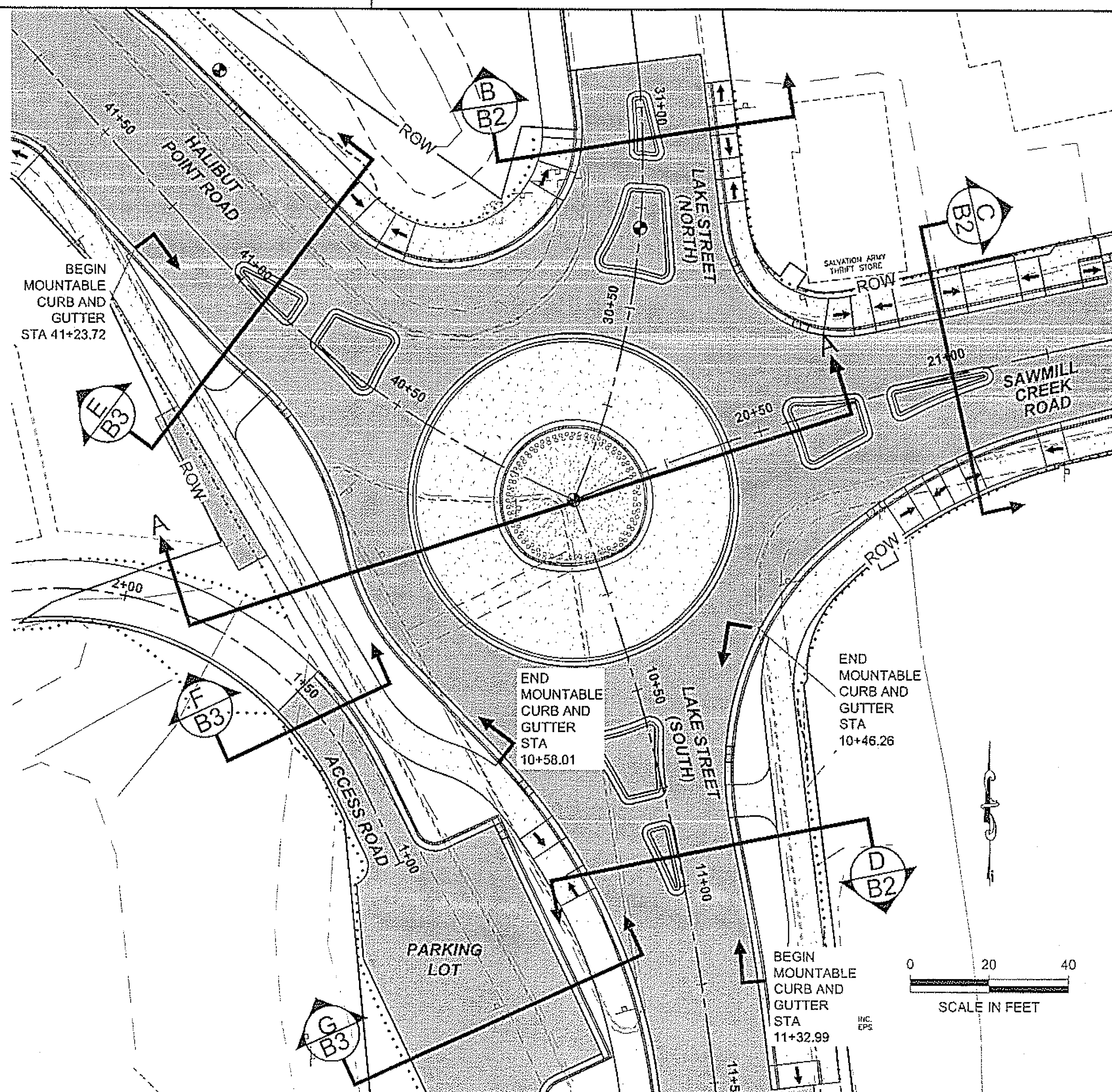
LIMITS OF SUBEXCAVATION AS DIRECTED
UNCLASSIFIED EXCAVATION

ROUNDABOUT SECTION A-A

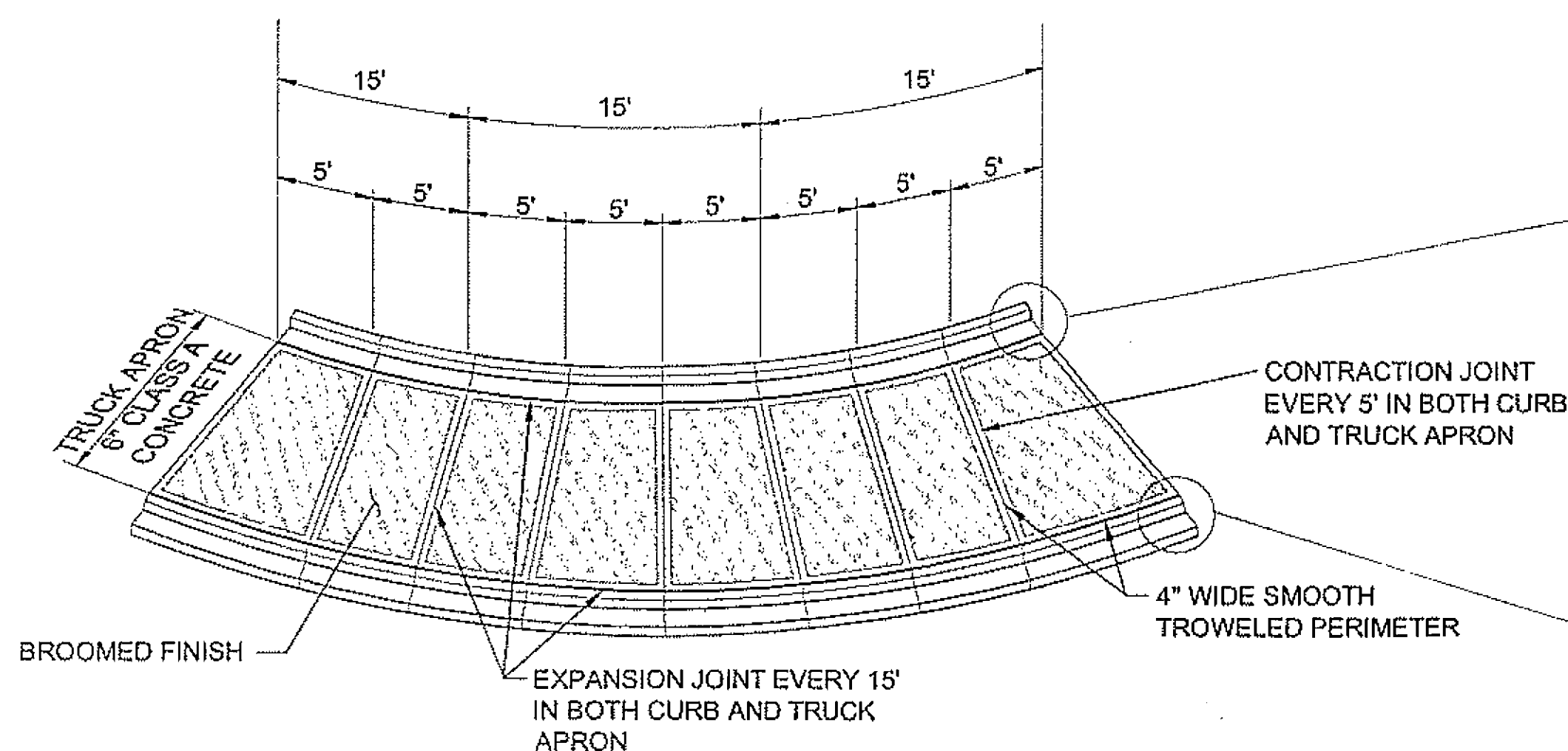


LEGEND

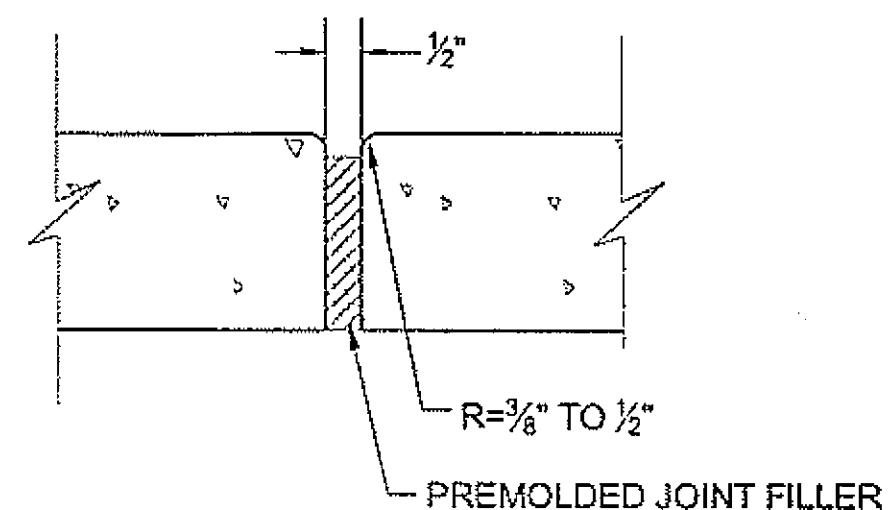
- | | |
|---|--------------------------------------|
| ① 2" ASPHALT CONCRETE, TYPE II; CLASS B | ⑧ STANDARD CURB AND GUTTER |
| ② STE-1 TACK COAT | ⑨ MODIFIED MOUNTABLE CURB AND GUTTER |
| ③ 3" ATB | ⑩ TRUCK APRON CURB AND GUTTER |
| ④ 4" AGGREGATE BASE COURSE, GRADING D-1 | ⑪ MOUNTABLE CURB AND GUTTER |
| ⑤ BORROW MEETING SELECTED MATERIAL TYPE A | ⑫ 3" TOPSOIL |
| ⑥ 6" CLASS A CONCRETE (TRUCK APRON) | ⑬ SEEDING |
| ⑦ 4" CONCRETE SIDEWALK | |



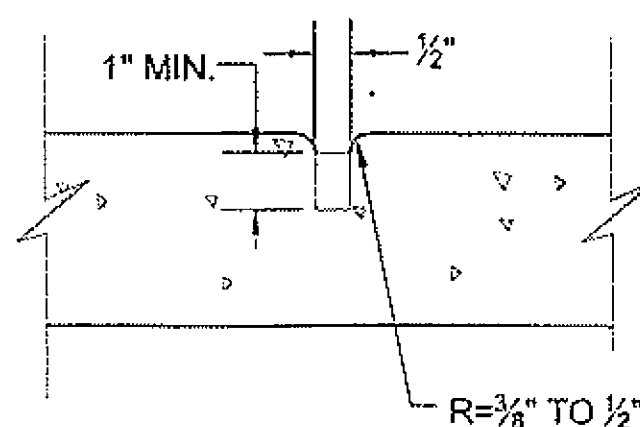
ROUNDABOUT PLAN VIEW



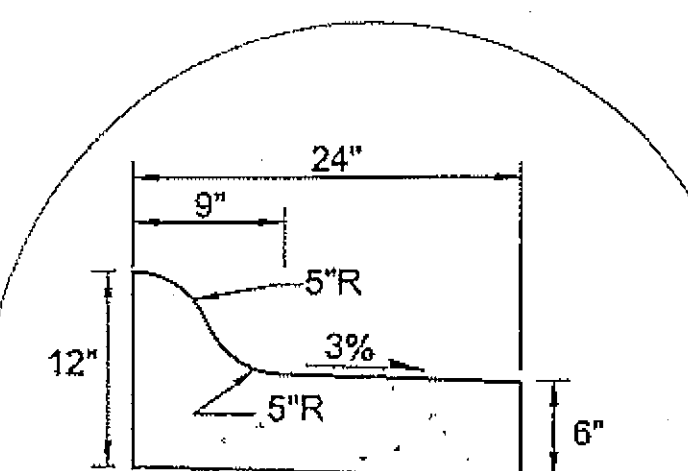
TRUCK APRON EXPANSION JOINT DETAIL



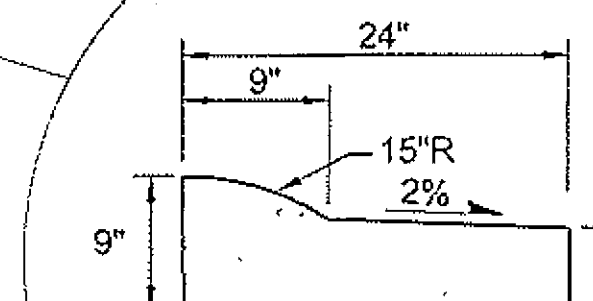
EXPANSION JOINT DETAIL



CONTRACTION JOINT DETAIL



MODIFIED MOUNTABLE CURB & GUTTER

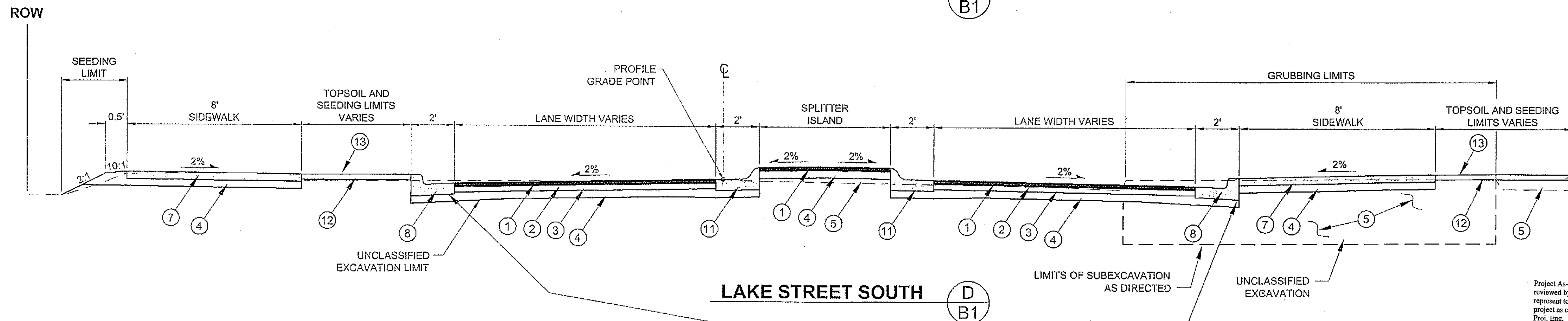
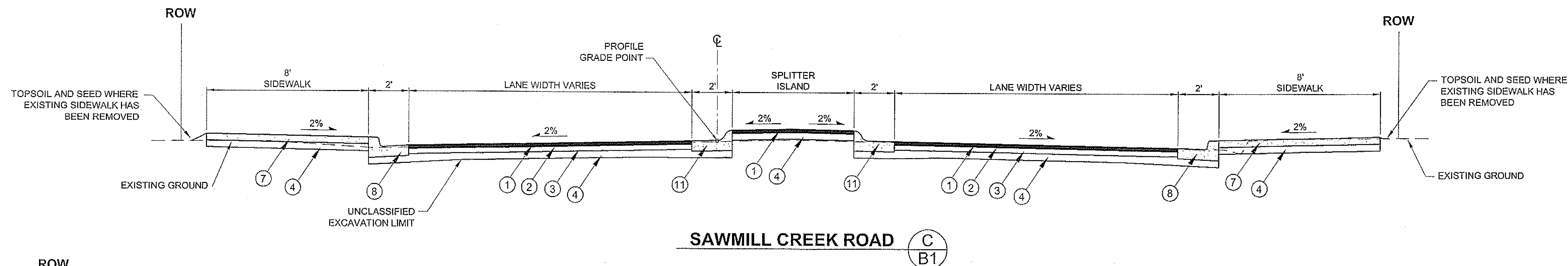
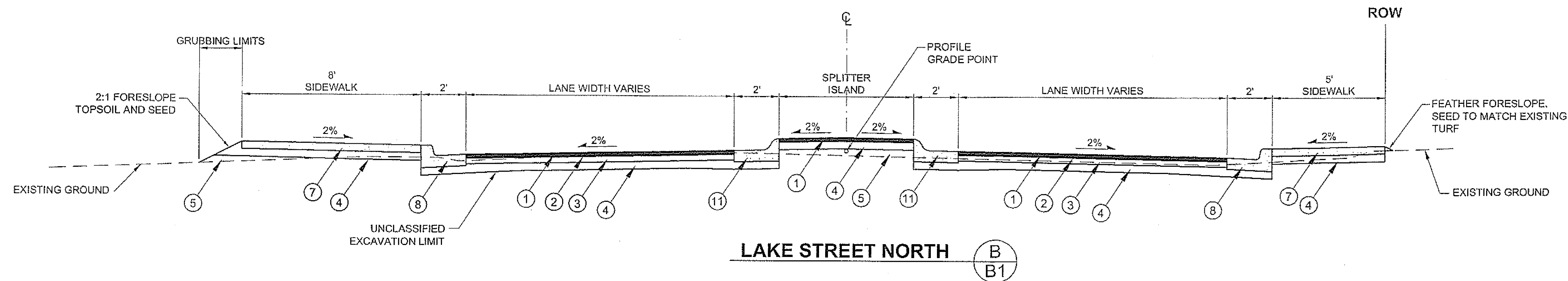


TRUCK APRON CURB & GUTTER

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. [Signature] Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: C. IVANISZEK/D. LESTER DRAWN BY: W. H.R.S.		SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT	
PATH: Q:\SIT\68943\PLANSET\B1-B3_TYPS.DWG TAB: B1 Tuesday, February 24, 2009 10:51:25 AM WILSON, BRIAN G (DOT)		TYPICAL SECTIONS	
PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943		YEAR 2009	SHEET NO B1
TOTAL SHEETS 57			



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date 8-26-09

LEGEND

- | | |
|---|--------------------------------------|
| ① 2" ASPHALT CONCRETE, TYPE II; CLASS B | ⑧ STANDARD CURB AND GUTTER |
| ② STE-1 TACK COAT | ⑨ MODIFIED MOUNTABLE CURB AND GUTTER |
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| ⑤ BORROW MEETING SELECTED MATERIAL TYPE A | ⑫ 3" TOPSOIL |
| ⑥ 6" CLASS A CONCRETE (TRUCK APRON) | ⑬ SEEDING |
| ⑦ 4" CONCRETE SIDEWALK | |

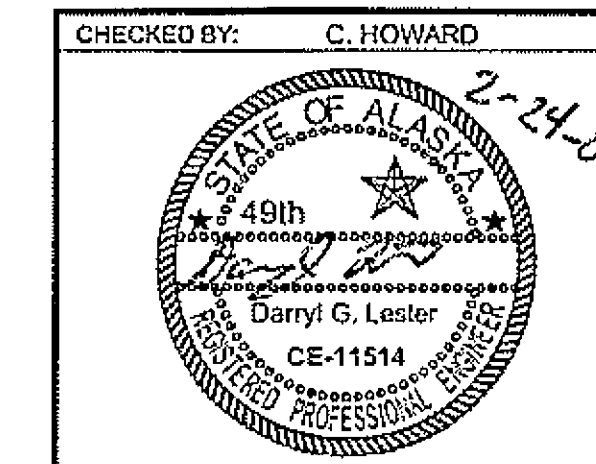
NOTES:

- SPLITTER ISLANDS: SLOPE DRAINAGE OFF AND AWAY FROM SPLITTER ISLANDS. SLOPE GUTTER PAN OF MOUNTABLE CURB AND GUTTER AWAY FROM CURB FACE AND MATCH TRAVEL LANE CROSS SLOPE.
- PROFILE GRADE POINT ELEVATION IS BASED ON THE PROJECTION OF THE TRAVEL LANE ASPHALT SURFACE.

NOTE LIMITS FOR CHANGE FROM STANDARD CURB AND GUTTER TO MOUNTABLE CURB AND GUTTER. SEE LIMITS ON SHEET B1



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



DESIGNED BY: C. IVANISZEK / D. LESTER
 DRAWN BY: W.H. / R.S.

PATH: Q:\SIT\68943\PLANSET\68943_B1-B3_TYPS.DWG
 TAB: B2 Monday, February 23, 2009 1:03:45 PM

SITKA - SAWMILL CREEK ROAD
 HALIBUT POINT ROAD
 ROUNDABOUT

TYPICAL SECTIONS

PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943			YEAR 2009	SHEET NO. B2	TOTAL SHEETS 57
DESIGNED BY: C. IVANISZEK / D. LESTER	PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943		YEAR 2009	SHEET NO. B2	TOTAL SHEETS 57

ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY			
			68943	68852	69059	COMBINED
108 (1)	INCENTIVE/DISINCENTIVE	CONTINGENT SUM	ALL REQUIRED			ALL REQUIRED
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	4,122			4,122
202 (3)	REMOVAL OF SIDEWALK	SQUARE YARD	14,025	17,78		31,805
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	438.00			438.00
202 (6)	REMOVAL OF MANHOLE	EACH		6		6
202 (8)	REMOVAL OF INLET	EACH	8			8
202 (9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	1,418	52		1,520
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	179.3			179.3
203 (6)	BORROW	TON	622.42			622.42
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	1401.63			1401.63
306 (1)	ATB	TON	567.21			567.21
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	539.21			539.21
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	57.43			57.43
401 (3A)	TEMPORARY PAVEMENT	SQUARE YARD	821.3			821.3
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	1.56			1.56
501 (4)	CLASS A CONCRETE	CUBIC YARD	69			69
603 (9)-18	18 INCH CORRUGATED ALUMINUM PIPE	LINEAR FOOT	90.0			90.0
603 (21)-18	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	487.5			487.5
603 (21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	136.0			136.0
604 (1)	STORM SEWER MANHOLE	EACH	5			5
604 (5)	INLET, TYPE A	EACH	9			9
604 (8)	INLET OIL/WATER SEPARATOR	EACH	1			1
608 (1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	836.31	9.53		836.31
608 (1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	114.71	17.78		132.49
608 (6)	CURB RAMP	EACH	15			15
609 (2)	CURB AND GUTTER, TYPE I	LINEAR FOOT	1991.50	52.0		2,043.50
615 (1)	STANDARD SIGN	SQUARE FOOT	257.5			257.5
615 (5)	DELINEATOR, FLEXBLE	EACH	28			28
618 (1)	SEEDING	ACRE	0.1			0.1
620 (1)	TOPSOIL	SQUARE YARD	489.82			489.82
621 (5)	LANDSCAPING	LUMP SUM	ALL REQUIRED			ALL REQUIRED
628 (1)	FURNISH IMPORTED TRENCH BACKFILL	CUBIC YARD		83.3		83.3
628 (2)	SHEETING, SHORING AND BRACING	LUMP SUM		ALL REQUIRED		ALL REQUIRED
628 (3)	FURNISH AND INSTALL 8" GRAVITY SEWER	LINEAR FOOT		74.0		74.0
628 (4)	FURNISH AND INSTALL 10" GRAVITY SEWER	LINEAR FOOT		221.0		221.0
628 (5)	FURNISH AND INSTALL 16" GRAVITY SEWER	LINEAR FOOT		98.5		98.5
628 (6)	MANHOLE, TYPE A	EACH		4		4
628 (7)	CONSTRUCT SANITARY SEWER DROP CONNECTION	EACH		2		2
628 (8)	CONSTRUCT BEACER SLIDE	EACH		2		2
628 (9)	SANITARY SEWER SERVICE, GRAVITY 6"	EACH		5		5
628 (10)	SANITARY SEWER CLEANOUT	EACH		1		1
628 (11)	FURNISH AND INSTALL 8" WATER MAIN	LINEAR FOOT		34.0		34.0
628 (12)	FURNISH AND INSTALL 12" WATER MAIN	LINEAR FOOT		217.0		217.0
628 (13)	FURNISH AND INSTALL 16" WATER MAIN	LINEAR FOOT		329.0		329.0
628 (14)	FURNISH AND INSTALL 8" GATE VALVE & V.B.	EACH		2		2
628 (15)	FURNISH AND INSTALL 12" GATE VALVE & V.B.	EACH		3		3
628 (16)	FURNISH AND INSTALL 16" BUTTERFLY VALVE & V.B.	EACH		4		4
628 (17)	FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY	EACH	1	2		3
628 (18)	WATER SERVICE, 2"	EACH		3		3
628 (19)	WATER SERVICE, 4"	EACH		0		0
628 (20)	WATER SERVICE, 6"	EACH		2		2
628 (21)	WATER METER MANHOLE	EACH		2		2
628 (22)	DISCONNECT ABANDONED WATER SERVICE	EACH		3		3
628 (23)	ABANDON UTILITY PIPE IN-PLACE	LUMP SUM		ALL REQUIRED		ALL REQUIRED
628 (24)	REMOVAL AND DISPOSAL OF ASBESTOS PIPE	LUMP SUM		ALL REQUIRED		ALL REQUIRED
628 (25)	TEMPORARY WATER SYSTEM AND SERVICES	LUMP SUM		ALL REQUIRED		ALL REQUIRED
628 (26)	UTILITY LOCATING SERVICES	CONTINGENT SUM		ALL REQUIRED		ALL REQUIRED
628 (27)	SEWER ENCASEMENT	EACH		8		8
628 (28)	RAISE OR LOWER EXISTING WATER MAIN	EACH		3		3
633 (1)	SILT FENCE	LINEAR FOOT	248.0			248.0
635 (1)	INSULATION BOARD	MBM		0.48		0.48

ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY			
			68943	68852	69059	COMBINED
639 (3)	DRIVEWAY	EACH	2			2
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED		ALL REQUIRED
641 (2)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED		ALL REQUIRED
641 (5)	INLET PROTECTION	EACH	12			12
641 (6)	TEMPORARY SEEDING	LUMP SUM	ALL REQUIRED			ALL REQUIRED
641 (10)	DEWATERING	LUMP SUM		ALL REQUIRED		ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642 (3)	THREE PERSON SURVEY PARTY	HOUR	100	10		110
642(4)	SET PRIMARY MONUMENT	EACH	4			4
642(9)	REFERENCE EXISTING MONUMENT	EACH	4			4
642(10)	MONUMENT CASE	EACH	4			4
642(11)	ADJUST EXISTING MONUMENT CASE	EACH	0			0
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED		ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED			ALL REQUIRED
643 (15A)	FLAGGING	CONTINGENT SUM	ALL REQUIRED			ALL REQUIRED
643 (15B)	FLAGGING, UTILITY	CONTINGENT SUM		ALL REQUIRED		ALL REQUIRED
643 (25A)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED	ALL REQUIRED
643 (25B)	TRAFFIC CONTROL, UTILITY	CONTINGENT SUM		ALL REQUIRED		ALL REQUIRED
646 (1)	CPM SCHEDULING	LUMP SUM	ALL REQUIRED			ALL REQUIRED
660 (3)	HIGHWAY LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED			ALL REQUIRED
661 (3)	LOAD CENTER, TYPE 2	EACH	1			1
662 (1)	ELECTRICAL POWER SYSTEM	LUMP SUM	ALL REQUIRED		ALL REQUIRED	ALL REQUIRED
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED			ALL REQUIRED
670 (13)	INLAID METHYL METHACRYLATE CROSSWALKS AND YEILD LINE	SQUARE FOOT	724			724
690 (1)	SWAN LAKE PARK SIGN	LUMP SUM	ALL REQUIRED			ALL REQUIRED

BASIS OF ESTIMATE

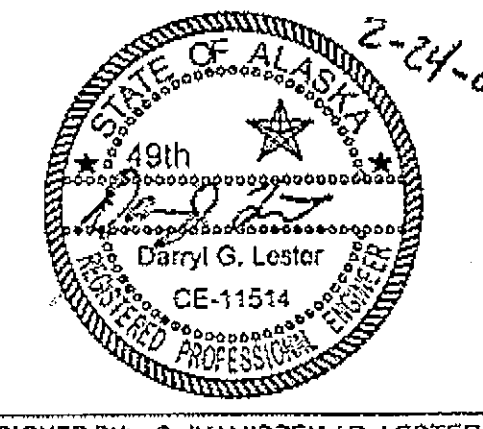
ITEM NO.	ITEM	ESTIMATING FACTOR
203 (6)	BORROW	1.85 TON/CY
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	1.96 TON/CY
306 (1)	ATB	118 LBS/SY/IN
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	118 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6.0% OF ITEM 401(1), 4.5% OF ITEM 306(1)
402 (1)	STE ASPHALT FOR TACK COAT	0.1 GAL/SY, 243 GAL/TON

GENERAL NOTES:

- THE LOCATIONS OF EXISTING UTILITIES AND DRAINAGE AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND WILL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. TOPOGRAPHICAL INFORMATOIN IS TAKEN FROM DOT&PF TOPO SURVEY, 2006.
- TYPICAL SECTIONS AND TRANSITIONS MAY BE MODIFIED BY THE ENGINEER WHERE MATCHING TO EXISTING FIELD CONDITIONS.
- NO CONSTRUCTION IS PERMITTED WITHIN SWAN LAKE. ALL ROADWAY DRAINAGE DURING CONSTRUCTION WILL BE COLLECTED AND ROUTED SO NO DISCHARGE OF WATER OF ANY KIND OCCURS INTO THE LAKE. DISCHARGE MAY ONLY OCCUR AT THE OUTFALL LOCATION FOR THE UNDERGROUND STORM DRAINAGE SYSTEM. NO CONSTRUCTION MATERIAL OF ANY KIND INCLUDING BUT NOT LIMITED TO BORROW, EMBANKMENT, EXCAVATED MATERIALS, WASTE OR STORED MATERIAL MAY BE PLACED IN THE LAKE OR STORED IN SUCH A MANNER THAT IT MAY BE WASHED, SLIDE OR PUSHED INTO THE LAKE.
- WASTE MATERIAL REMOVED FROM THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED OFF-SITE DISPOSAL SITE.
- ITEM 501(4) CLASS A CONCRETE IS THE PAY ITEM FOR THE CONCRETE TRUCK APRON.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng.  Date 8-26-07

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDAABOUT	
DESIGNED BY: C. IVANISZEK / D. LESTER DRAWN BY: W.H. / R.S.		ESTIMATE OF QUANTITIES	
PATH: Q:\SIT\68943\PLANSET\68943_C1-EST.DWG TAB: C1		PROJECT DESIGNATION ACHHE-000S(549)~ PROJECT #68943	
Tuesdays, February 24, 2009 10:25:03 AM		YEAR 2009	SHEET NO. C1
REVISIONS NO. DATE DESCRIPTION		TOTAL SHEETS 57	

202 (4) REMOVAL OF CULVERT PIPE					
STATION	OFFSET		DIAMETER (IN)	LENGTH (FT)	REMARKS
	LEFT	RIGHT			
10+51		9	12	5	INSTALL SADDLE PLATE SEAL ON 60" BTCAP
10+54		9	12	5	INSTALL SADDLE PLATE SEAL ON 60" BTCAP
10+75		16	12	5	
10+77		16	12	9	INSTALL SADDLE PLATE SEAL ON 60" BTCAP
11+37		13 - 37	18	26	EXISTING CULVERT HAS GROUTED INSERT
20+66					AS-BUILTS SHOW ABANDONED CROSS CULVERT - REMOVE IF ENCOUNTERED
20+66 - 21+47	20		18	83	REMOVE FROM S-7 TO S-9
20+74	0		18	44	CROSS CULVERT
22+17	0		12	41	SAWCUT AND REMOVE FROM S-10
40+15	6		18	10	INSTALL SADDLE PLATE SEAL ON 60" BTCAP
41+35		23	24	13	SAWCUT AT S-14 AND REMOVE TO EXISTING STRUCTURE
41+38 - 42+42		16	24	104	

202 (8) REMOVAL OF INLET			
STATION	OFFSET	TYPE	REMARKS
10+75	14 RT		CURB INLET
10+76	19 RT		FIELD INLET
11+38	38 RT		CURB INLET
20+67	20 RT		CURB INLET
20+82	21 LT		CURB INLET
40+15	7 LT		CURB INLET
41+39	17 RT		CURB INLET
41+99	16 RT		CURB INLET

REMOVAL OF MONUMENT			
STATION	OFFSET	POINT NO.	DESCRIPTION
10+36.65	31.93 RT.	205	ALCTRL2"/REBAR_SL205
10+98.09	1.56 LT	970	CL_MON_DOH_BC2.5"
12+73.94	0.02 LT	976	CL_MON_DOH_BC2.5"
20+33.90	4.57 LT	974	CL_MON_DOH_BC2.5"
40+14.29	1.06 RT	971	CL_MON_DOH_BC2.5"
40+52.59	12.24 RT	972	CL_MON_DOT_BC2.5"
41+60.18	8.16 RT	973	ALCAP2"
INCIDENTAL TO REMOVAL OF PAVEMENT			

642(4) SET PRIMARY MONUMENT - EACH 642(10) MONUMENT CASE - EACH				
STATION	OFFSET	QUANTITY		REMARKS
		642(4)	642(10)	
10+00	0.0 RT	1	1	
12+65	25.5 RT	1	1	
30+70	0.0 RT	1	1	
41+42	31.5 RT	1	1	

642(9) REFERENCE EXISTING MONUMENT 642(11) ADJUST EXISTING MONUMENT CASE						
MON. NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.	DESCRIPTION
223	11+54.54	86.02 RT	31101.8831	53731.4306	32.52	BC 2.5"
965	11+94.78	30.27 RT	31068.7743	53791.6821	34.35	ALSEC1.5" 6304S
966	11+54.74	38.16 RT	31107.5474	53778.9530	34.09	ALSEC2" 6304S
967	10+19.16	71.72 RT	31220.5778	53719.7317	33.63	ALSEC1.5" 6304S

SELF SUPPORTING UTILITY POLE		
STATION	OFFSET	REMARKS
20+88	24 LT	

603 CULVERT INSTALLATION SUMMARY										
PIPE	INLET			OUTLET			LENGTH (ft)	SIZE	REMARKS	APPROX. GRADE
	STATION	OFFSET (ft)	APPROX. INVERT	STATION	OFFSET (ft)	APPROX. INVERT				
P-1	10+70.92	S-1	30.56 30.10	10+70.57	10.3 RT	27.90	31.4	18" CAP	TEE FITTING & SADDLE TO EXISTING 60" BTCAP	9.0%
P-2	10+66.37	S-2	31.15 30.20	10+75.94	S-3	30.37 30.10	12.3	18" CPP		1.0%
P-3	10+75.94	S-3	30.62 30.00	11+38.21	S-4	29.61 29.70	58.1	18" CAP		1.0%
P-4	11+38.21	S-4	29.56 29.60	11+36.23	13.1 RT	22.44 22.50	25.8	18" CAP	SADDLE TO EXISTING 60" BTCAP	30.0%
P-5	12+07.13	S-5	30.32 30.30	12+07.14	8.9 RT	29.62 29.60	60' 10.0	18" CAP	S-4 SADDLE TO EXISTING 60" BTCAP	123%
P-6	20+56.80	S-6	30.09 30.20	20+67.37	S-7	29.52 30.00	21.9	18" CPP		1.0%
P-7	20+71.76	S-8	28.18 29.00	20+67.37	S-7	27.54 29.10	49.5	18" CPP		1.0%
P-8	20+75.22	36.9' RT	28.42 29.00	20+71.76	S-8	28.3 29.70	10.0	18" CPP	CAP INLET AND MARK LOCATION	1.0%
P-9	21+45.21	S-9	26.44 26.50	20+67.37	S-7	25.43 25.40	79.3	18" CPP	MATCH EXISTING SD GRADE	1.4%
P-10	22+16.56	S-10	31.25 28.20	22+17.50	20.6' LT	30.45 28.10	41.4	18" CPP	UTILIZE EXISTING CATCH BASIN STA 22+18 LT	0.3%
P-11	40+57.00	S-11	29.94 30.10	40+71.68	S-12	28.95 29.00	42.6	18" CPP		2.7%
P-12	40+71.68	S-12	28.86 28.90	40+97.61	S-13	28.41 28.40	53.0	18" CPP		1.0%
P-13	40+97.61	S-13	28.31 28.30	41+32.06	S-14	28.23 28.00	32.4	24" CPP		1.0%
P-14	41+96.98	S-15	28.21 28.30	41+32.06	S-14	28.20 28.00	65.2	24" CPP		0.5%
P-15	42+00.70	12.5' RT	28.90	41+96.98	S-15	28.53 28.50	10.0	24" CPP	MATCH TO EXISTING 24" CPP	4.0%
P-16	42+42.20	12.5' RT	28.15 28.00	41+96.98	S-15	28.55 28.40	46.1	24" CPP	MATCH TO EXISTING 24" CPP	0.9%
P-7A	20+67.37		25.33 19			24.34	68.0	18" CPP	CONNECT TO 60" BTCAP	

604 DRAINAGE STRUCTURE SUMMARY					
STRUCT. NO.	STATION	OFFSET	TOP OF CASTING ELEV.	STRUCT. TYPE	REMARKS
S-1	10+70.92	18.28 LT	33.65	A	CURB INLET
S-2	10+66.37	33.46 RT	33.42	A	CURB INLET
S-3	10+75.94	41.90 RT	33.52	A	CURB INLET
S-4	11+38.21	37.69 RT	33.77	A	FIELD INLET
S-5	12+07.13	14.75 RT	33.98	A	CURB INLET
S-6	20+56.80	40.99 LT	33.86	A	CURB INLET
S-7	20+67.37	22.27 LT	33.84	1	CURB INLET
S-8	20+71.76	27.45 RT	33.81	A	CURB INLET
S-9	21+45.21	20.02 LT	34.35	1	CURB INLET
S-10	22+16.56	20.99 RT	34.88	1	CURB INLET IN VEHICULAR CURB CUT
S-11	40+57.00	57.00 LT	33.60	A	FIELD INLET
S-12	40+71.68	17.84 LT	33.34	A	CURB INLET
S-13	40+97.61	29.15 RT	33.15	1	CURB INLET
S-14	41+32.07	28.24 RT	33.31	1	OIL/WATER SEPARATOR
S-15	41+96.98	21.76 RT	33.67	1	CURB INLET
STATION AND OFFSET TAKEN TO CENTER OF STRUCTURE. ELEVATION TAKEN AT TOP OF CASTING AS SHOWN IN STANDARD DWG D-25.00. ALL TYPE A INLET BOXES AND TYPE 1 STORM DRAIN MANHOLES SHALL HAVE 18" MIN. SUMP. SEE STD DWG D-25.00 FOR HIGH CAPACITY GRATES.					

628(15) FIRE HYDRANT		
STATION	OFFSET	REMARKS
10+59.77	57.41 LT	SEE UTILITY SHEET U8

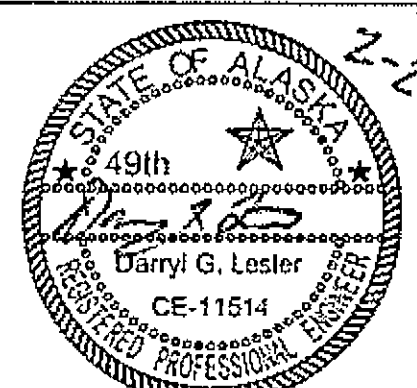
608(6) CURB RAMP		
STATION	OFFSET	REMARKS
10+82.10	LT	
10+85.93	RT	
11+53.40	LT	BICYCLE RAMP. NO WARNING TILE.
12+73.73	RT	BICYCLE RAMP. NO WARNING TILE.
20+82.07	LT	
20+83.99	RT	
21+43.20	LT	BICYCLE RAMP. NO WARNING TILE.
22+07.52	RT	BICYCLE RAMP. NO WARNING TILE.
30+84.80	RT	
30+88.05	LT	
31+04.70	RT	MATCH TO EXISTING VEH. CURB CUT
40+80.87	LT	
40+83.78	RT	
41+67.91	LT	
42+27.05	RT	BICYCLE RAMP. NO WARNING TILE.

639 (3) DRIVEWAY	
STATION	WIDTH
11+66.00 RT	14
12+28.66 RT	20

VEHICULAR CURB CUT			
STATION	OFFSET	WIDTH	REMARKS
11+77.33	RT	24	
12+28.65	RT	20	
20+09.38	RT	16	
21+14.98	LT	14	
22+20.00	RT	7.4	MATCH TO EXISTING DRIVEWAY
SEE STD. DWG. I-20.13 FOR DETAILS			
PAID AS ITEM 608(1B) CONCRETE SIDEWALK, 6 INCHES THICK			

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD



DESIGNED BY: C. IVANISZEK/D. LESTER
DRAWN BY: W.H./R.S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SITKA - SAWMILL CREEK ROAD
HALIBUT POINT ROAD
ROUNDBOUT

MISCELLANEOUS
SUMMARIES

PATH: Q:\SIT\68943\PLANS\SET\68943_D1-D2-SUMS.DWG
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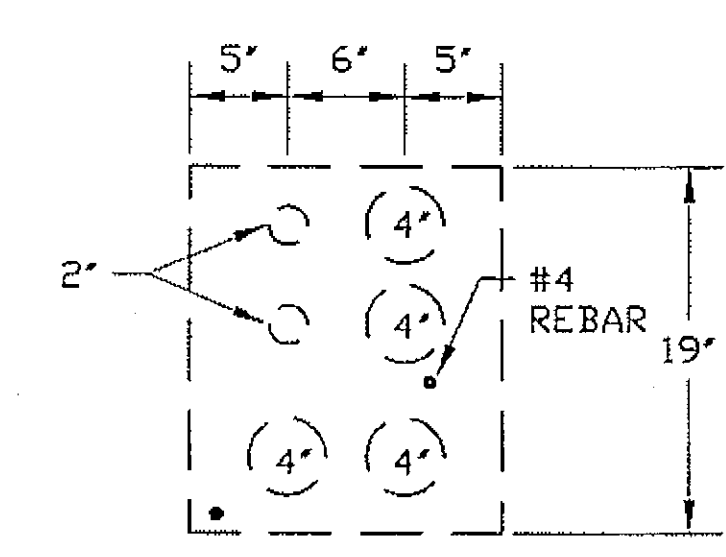
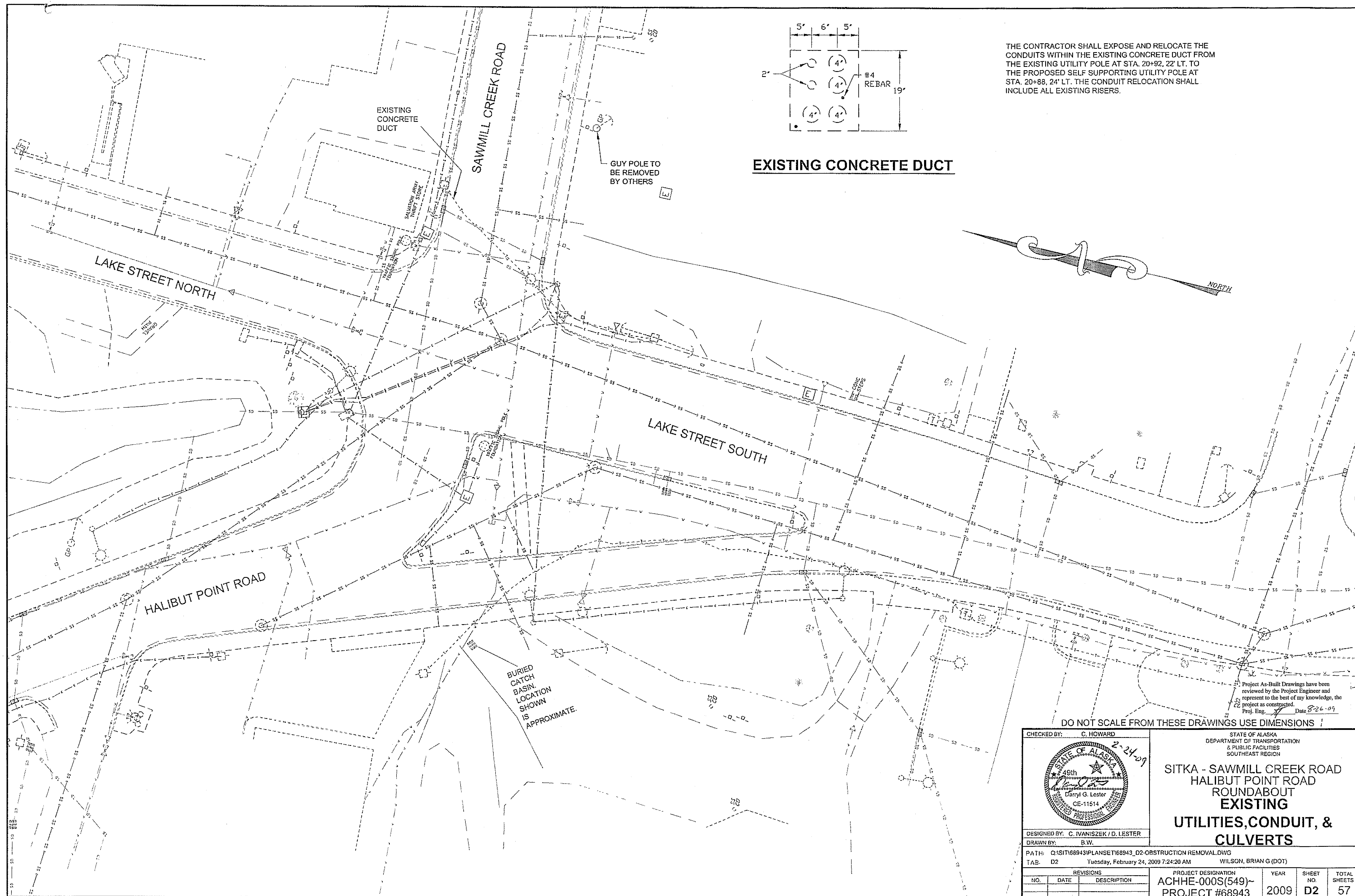
PROJECT DESIGNATION
ACHHE-000S(549)-
PROJECT #68943

YEAR
2009

SHEET NO.
D1

TOTAL SHEETS
57

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 6-26-09



EXISTING CONCRETE DUCT

THE CONTRACTOR SHALL EXPOSE AND RELOCATE THE CONDUITS WITHIN THE EXISTING CONCRETE DUCT FROM THE EXISTING UTILITY POLE AT STA. 20+92, 22' LT. TO THE PROPOSED SELF SUPPORTING UTILITY POLE AT STA. 20+88, 24' LT. THE CONDUIT RELOCATION SHALL INCLUDE ALL EXISTING RISERS.

GUY POLE TO BE REMOVED BY OTHERS

EXISTING CONCRETE DUCT

SAWMILL CREEK ROAD

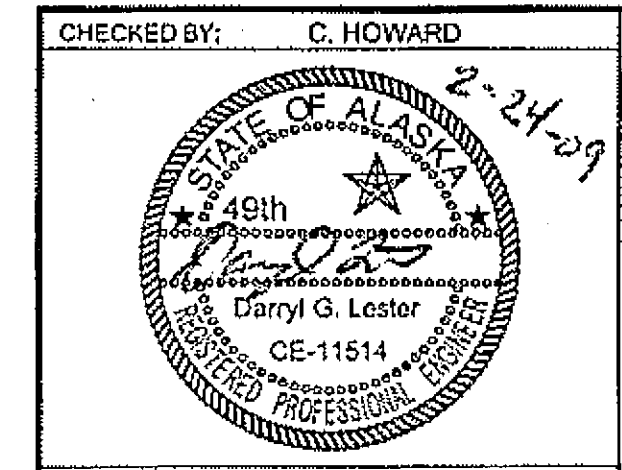
LAKE STREET NORTH

LAKE STREET SOUTH

HALIBUT POINT ROAD

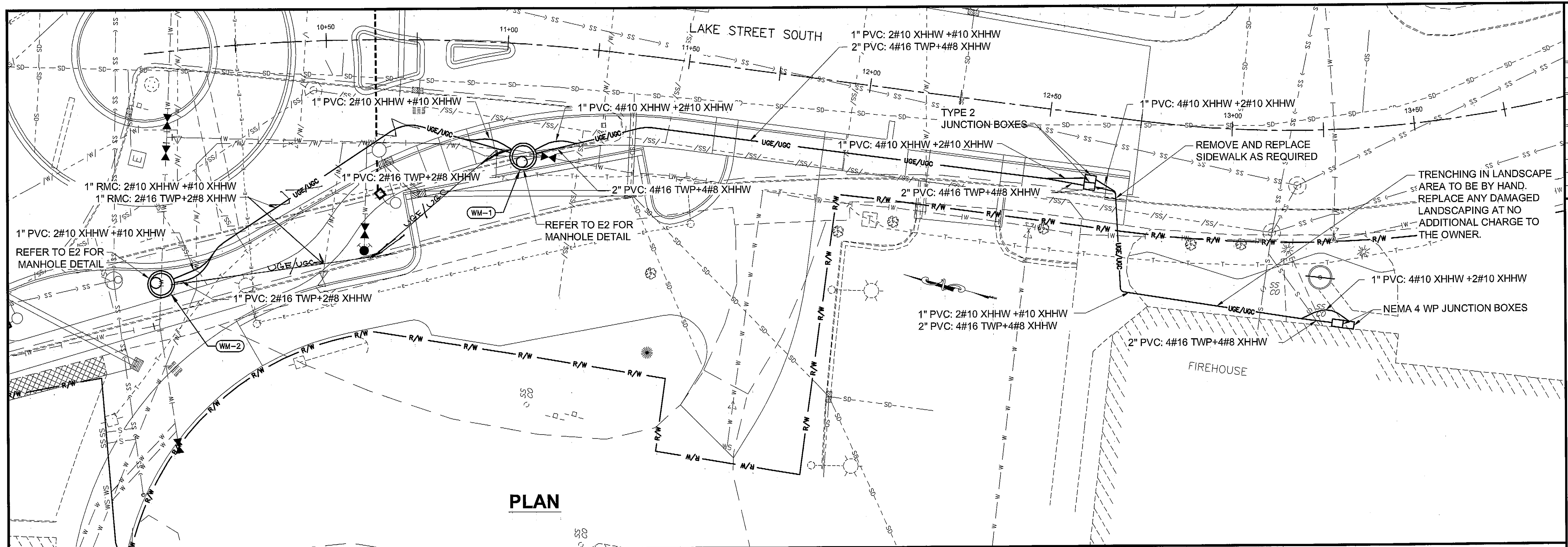
BURIED CATCH BASIN. LOCATION SHOWN IS APPROXIMATE.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS !

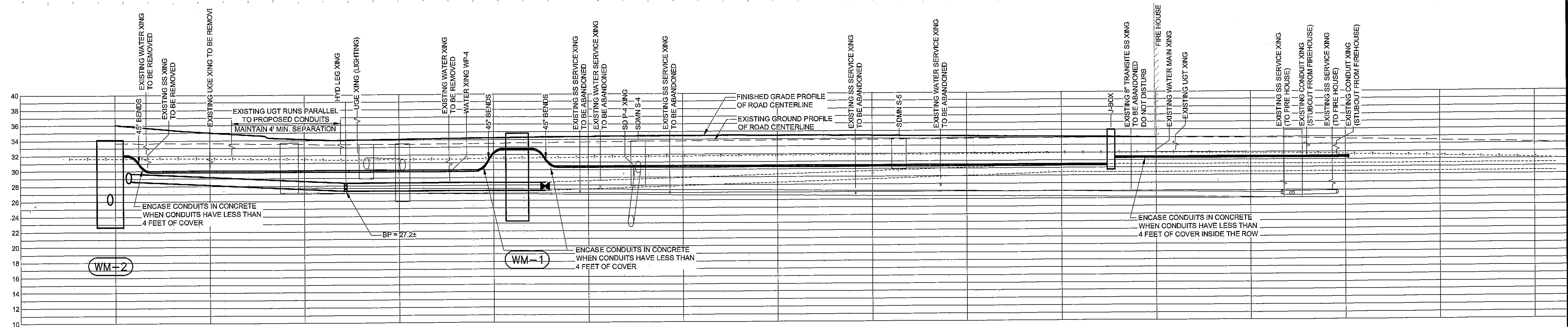


SITKA - SAWMILL CREEK ROAD
HALIBUT POINT ROAD
ROUNDBOUT
EXISTING
UTILITIES, CONDUIT, &
CULVERTS

CHECKED BY: C. HOWARD			STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION		
DESIGNED BY: C. IVANISZEK / D. LESTER			PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943		
DRAWN BY: B.W.			YEAR 2009		
PATH: Q:\SIT\68943\PLANSET\68943_D2-OBSTRUCTION REMOVAL.DWG			SHEET NO. D2		
TAB: D2			TOTAL SHEETS 57		
TUESDAY, FEBRUARY 24, 2009 7:24:20 AM					
WILSON, BRIAN G. (DOT)					



PLAN



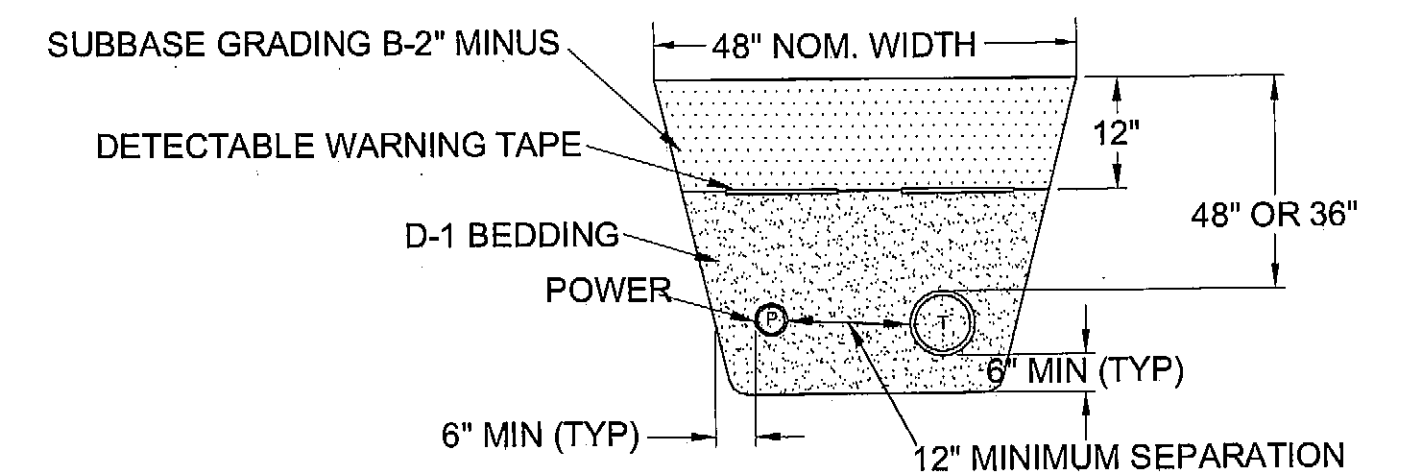
PROFILE

GENERAL NOTES:

1. VERTICAL LOCATIONS OF EXISTING UTILITIES REPRESENTED BY A BREAK LINE HAVE AN UNKNOWN DEPTH
2. PHASE 1 SCOPE OF WORK IS FOR CONTRACTOR TO INSTALL RACEWAY ONLY
3. PROVIDE RMC CONDUIT WHEN RACEWAY IS UNDER ROADWAY. PROVIDE PVC IN OTHER LOCATIONS.

TRENCHING NOTES:

1. CONTRACTOR SHALL INSTALL ADOT SPEC D-1 GRAVEL UNDER AND AROUND ELECTRICAL EQUIPMENT. FINISHED ELEVATION SHALL BE ABOVE THE ADJACENT TERRAIN. FILL SHALL BE COMPACTED TO 95% MAXIMUM DENSITY. ELECTRICAL EQUIPMENT SHALL NOT BE PLACED IN LOW AREAS WHERE STORM WATER CAN ACCUMULATE.
2. ELECTRICAL CONDUITS SHALL BE SCHEDULE 40 PVC EXCEPT THERE NOTED. WITHIN THE CBS EASEMENT, ALL CONDUITS SHALL BE AT LEAST 48" BELOW GRADE WITHIN THE ROAD PRISM, OUTSIDE THE ROAD PRISM RACEWAY SHALL BE A MINIMUM OF 3' DEEP. CONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION WITH ROAD, BIKE PATH AND STORM DRAIN INSTALLATION.
3. CONSTRUCTION SHALL CONFORM TO THE NESC AND CITY OF SITKA ELECTRIC DEPARTMENT'S REQUIREMENTS FOR UNDERGROUND POWER DISTRIBUTION SYSTEMS.
4. ALL EXPOSED METALLIC PARTS SHALL BE EFFECTIVELY GROUNDED.
5. CONTRACTOR SHALL INSTALL SPECIFIED SCHEDULE 40 PVC TELEPHONE AND POWER CONDUITS.
6. CONTACT CBS ELECTRIC DEPARTMENT FOR APPROVAL PRIOR TO BACKFILLING TRENCH.
7. TRENCH BEDDING SHALL BE D-1 GRAVEL AND TRENCH BACKFILL SHALL BE SUB-BASE GRADING B - 2" MINUS.

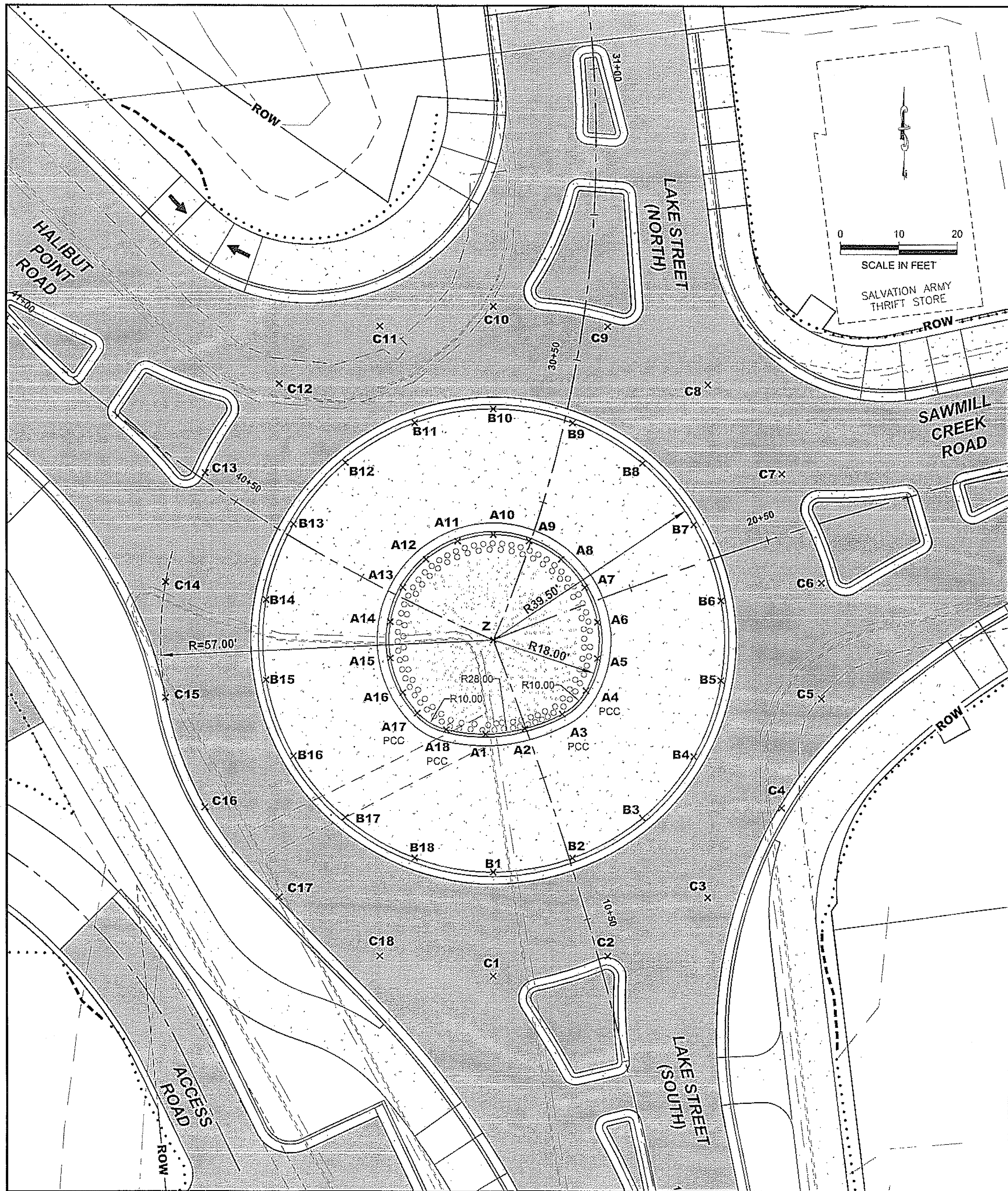


ALL CONDUITS SHALL BE AT LEAST 48" BELOW GRADE WITHIN THE ROAD PRISM, OUTSIDE THE ROAD PRISM RACEWAY SHALL BE A MINIMUM OF 3' DEEP

TRENCHING DETAIL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

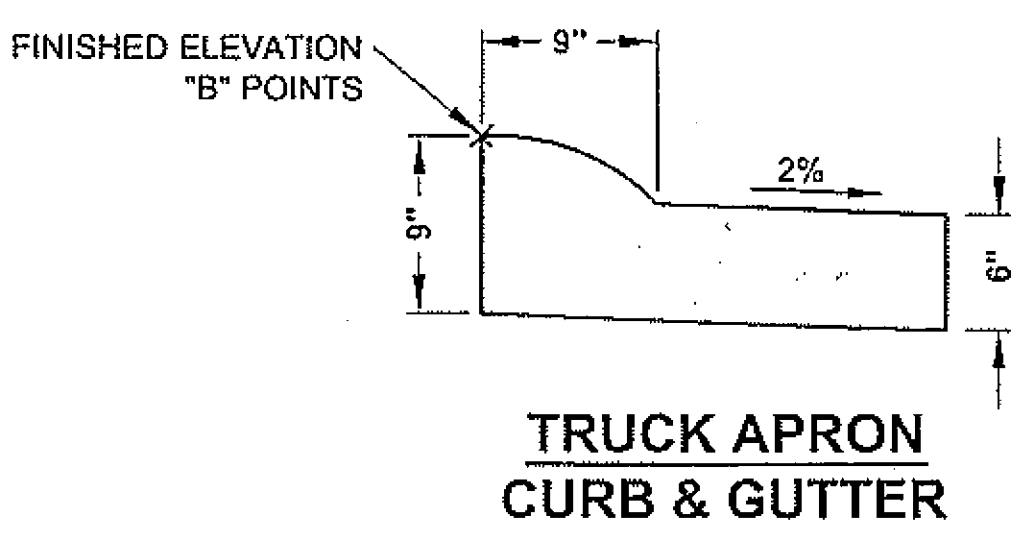
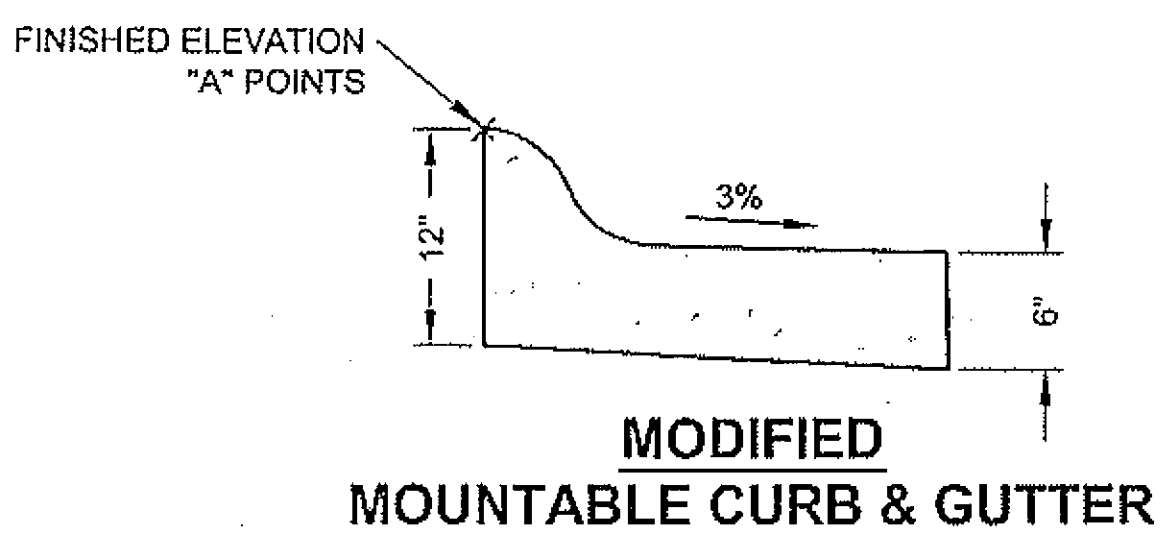
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
THIS VIEW		
PLAN LEGEND		
CHECKED BY: WCS		
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed. Proj. Eng. <i>[Signature]</i> Date 5-26-09		
DESIGNED BY: WCS		
DRAWN BY: ILH, WJP		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION		
SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT RSA No. 68852		
WATER METER CONDUIT LAYOUTS		
PROJECT DESIGNATION		
ACHHE-000S(549)-68943		
STATE	YEAR	
ALASKA	2009	
SHEET NUMBER	TOTAL SHEETS	
E1		



CENTRAL CIRCLE LAYOUT PLAN

LAYOUT TABLE

POINT NO.	NORTHING	EASTING	FINISHED ELEVATION TBC	POINT NO.	NORTHING	EASTING	FINISHED ELEVATION TBC	POINT NO.	NORTHING	EASTING	FINISHED ELEVATION
A1	31246.22	53779.45	35.64	B1	31222.74	53780.79	34.46	C1	31205.24	53780.79	33.86
A2	31247.11	53786.22	35.80	B2	31225.13	53794.30	34.59	C2	31208.68	53800.28	33.99
A3	31249.62	53792.58	35.88	B3	31231.98	53806.18	34.70	C3	31218.58	53817.43	34.10
A4	31253.60	53796.58	35.94	B4	31242.49	53815.00	34.78	C4	31233.74	53830.15	34.18
A5	31259.12	53798.52	35.98	B5	31255.38	53819.69	34.83	C5	31252.35	53836.92	34.23
A6	31265.37	53798.52	36.00	B6	31269.10	53819.69	34.85	C6	31272.14	53836.92	34.25
A7	31271.24	53796.38	35.99	B7	31281.99	53815.00	34.84	C7	31290.74	53830.15	34.24
A8	31276.03	53792.36	35.96	B8	31292.50	53806.18	34.81	C8	31305.91	53817.43	34.21
A9	31279.16	53786.94	35.89	B9	31299.36	53794.30	34.74	C9	31315.81	53800.28	34.14
A10	31280.24	53780.79	35.79	B10	31301.74	53780.79	34.64	C10	31319.24	53780.79	34.04
A11	31279.16	53774.83	35.66	B11	31299.36	53767.28	34.51	C11	31315.81	53761.29	33.91
A12	31276.03	53769.22	35.55	B12	31292.50	53755.40	34.40	C12	31305.91	53744.15	33.80
A13	31271.24	53765.20	35.47	B13	31281.99	53746.58	34.32	C13	31290.74	53731.43	33.72
A14	31265.37	53763.06	35.41	B14	31269.10	53741.89	34.26	C14	31272.14	53724.65	33.66
A15	31259.12	53763.06	35.39	B15	31255.38	53741.89	34.24	C15	31252.35	53724.65	33.64
A16	31253.24	53765.20	35.40	B16	31242.49	53746.58	34.25	C16	31233.74	53731.43	33.65
A17	31249.82	53767.77	35.43	B17	31231.98	53755.40	34.29	C17	31218.58	53744.15	33.69
A18	31247.00	53772.66	35.50	B18	31225.13	53767.28	34.36	C18	31208.68	53761.29	33.76
Z	31262.24	53780.79									

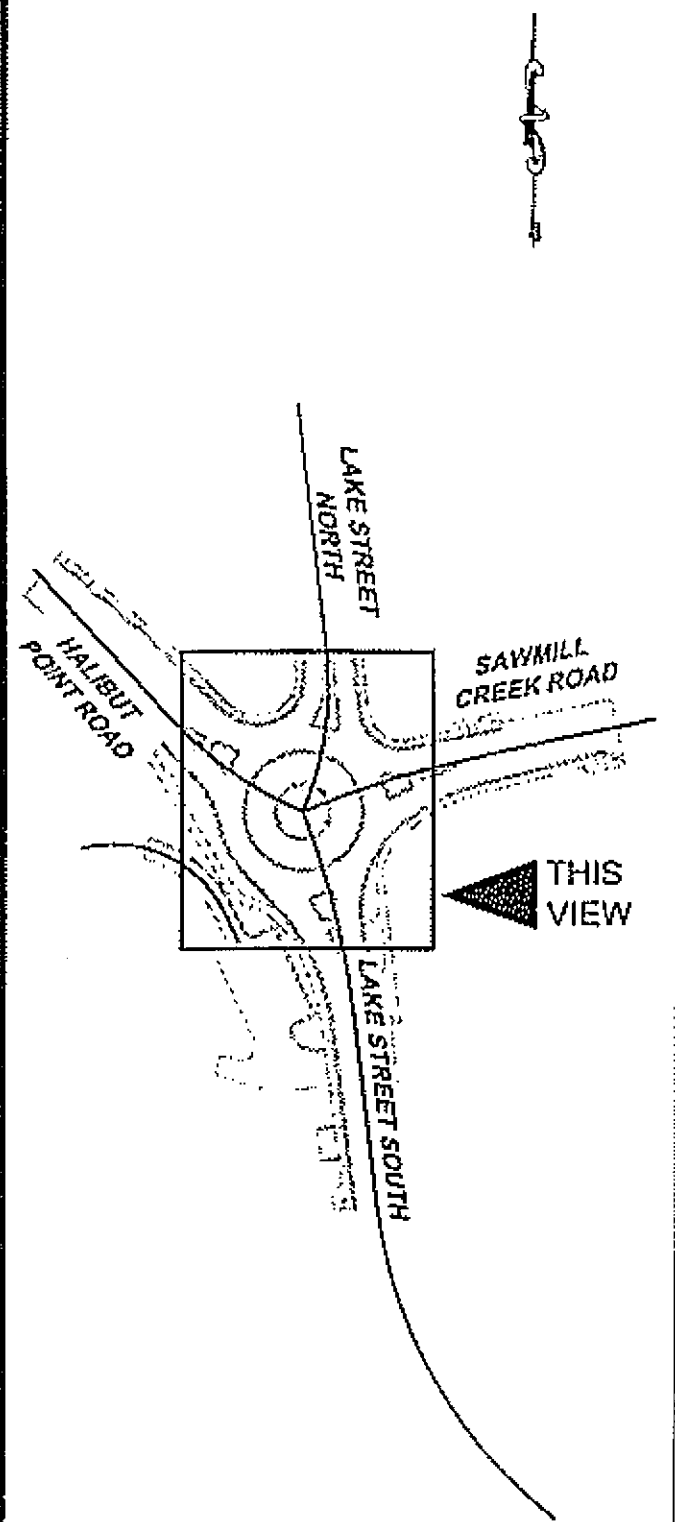


FINISHED ELEVATION LOCATIONS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
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TAB: F1 WILSON, BRIAN G
ADDENDUM NUMBER
ATTACHMENT NUMBER
RECORD OF REVISIONS
No. DATE DESCRIPTION



PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: C. IVANISZEK/D. LESTER

DRAWN BY: W. HICKOK

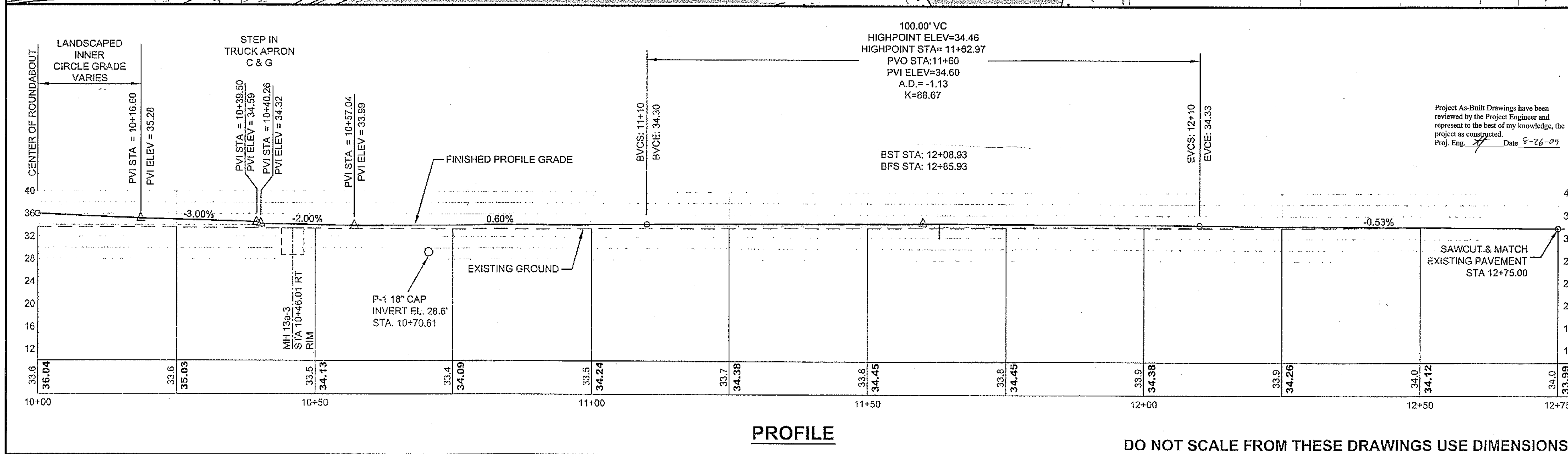
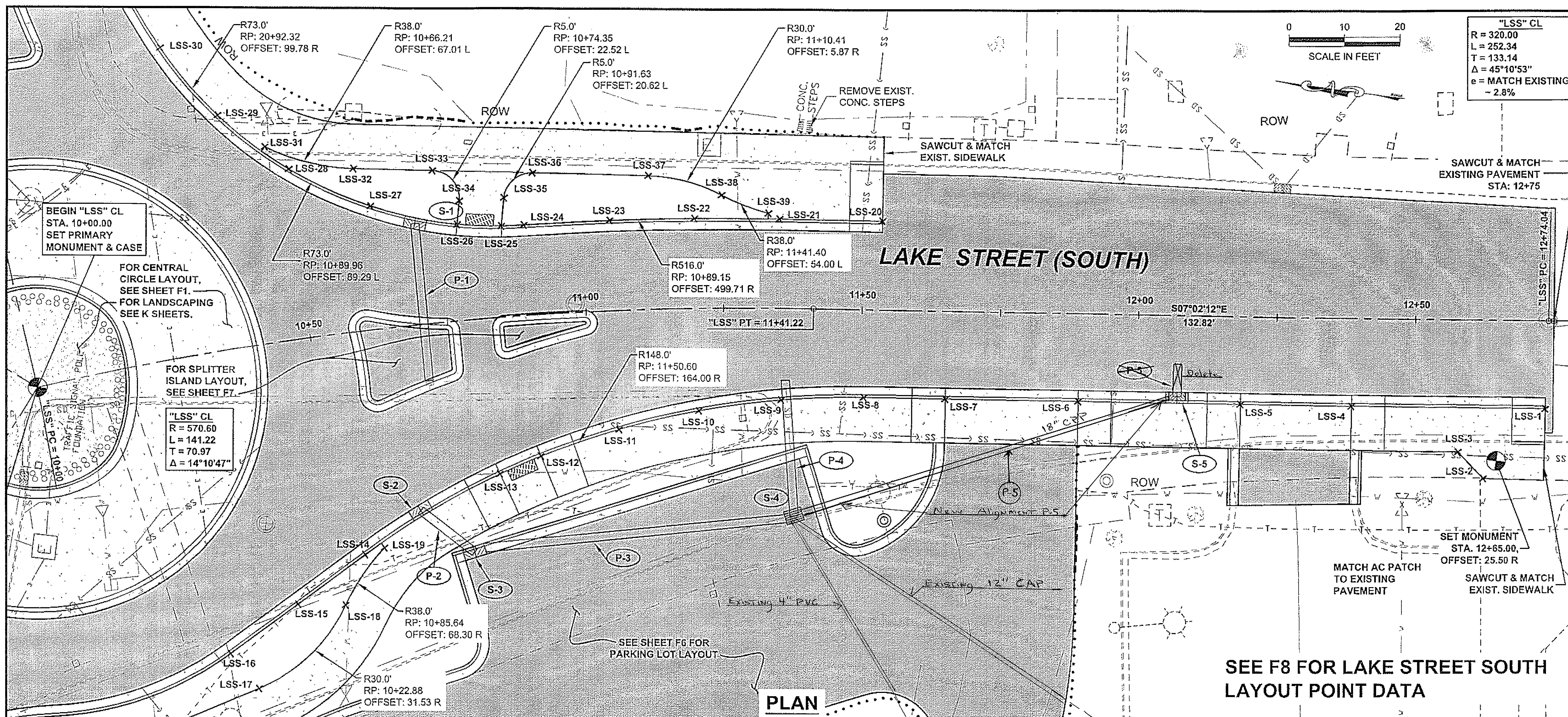
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
PROJECT No. 68943

CENTRAL CIRCLE
LAYOUT PLAN

PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F1	57



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Tuesday, February 24, 2009 7:41:10 AM

TAB: F2 WILSON, BRIAN G

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: C. IVANISZEK / D. LESTER

DRAWN BY: W. H. V.R.S.

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
 PROJECT No. 68943

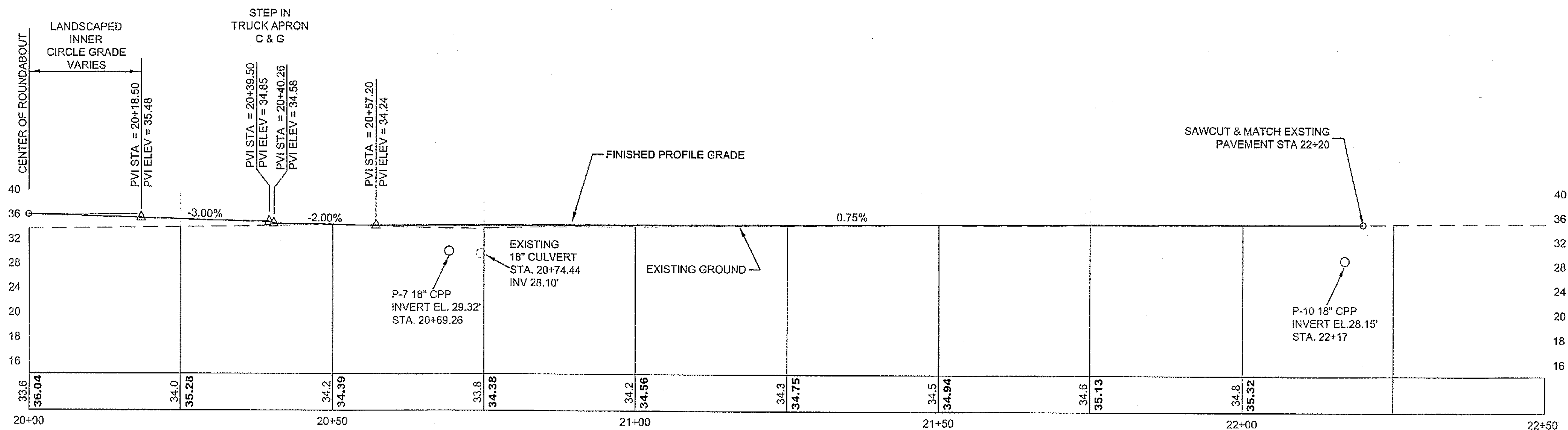
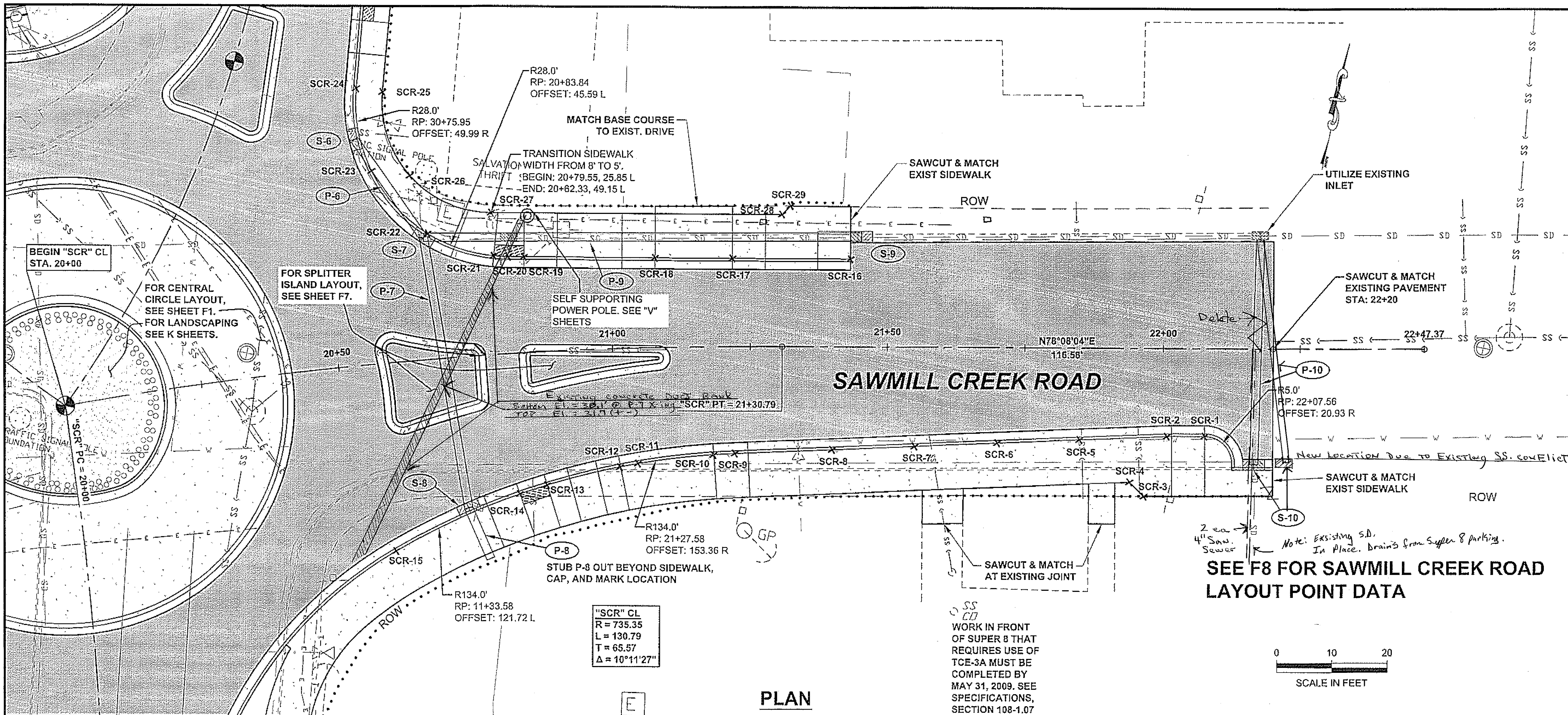
PROJECT PLAN & PROFILE

PROJECT DESIGNATION

ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F2	57



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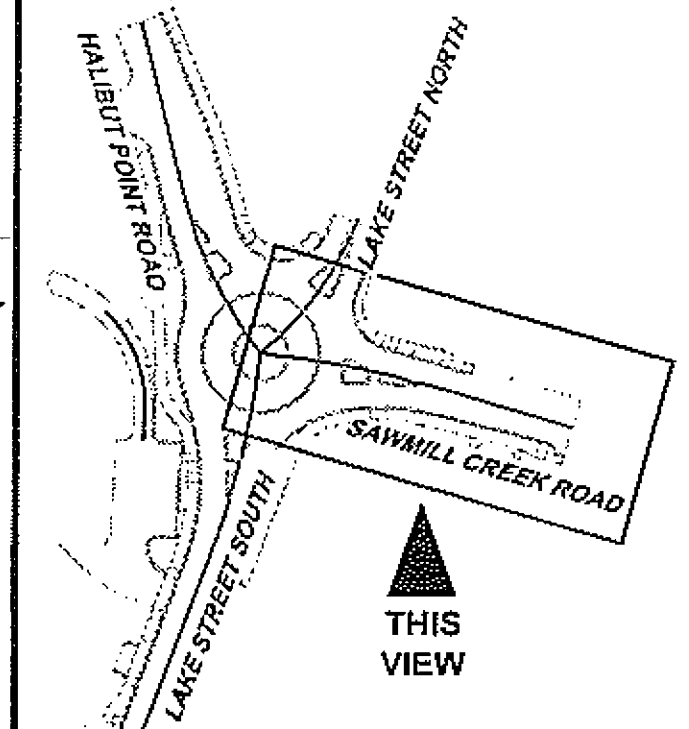
TAB: F3 WILSON, BRIAN G

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng. *[Signature]* Date 8-26-09

PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: C. IVANISZEK / D. LESTER

DRAWN BY: W.H.I.R.S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
PROJECT No. 68943

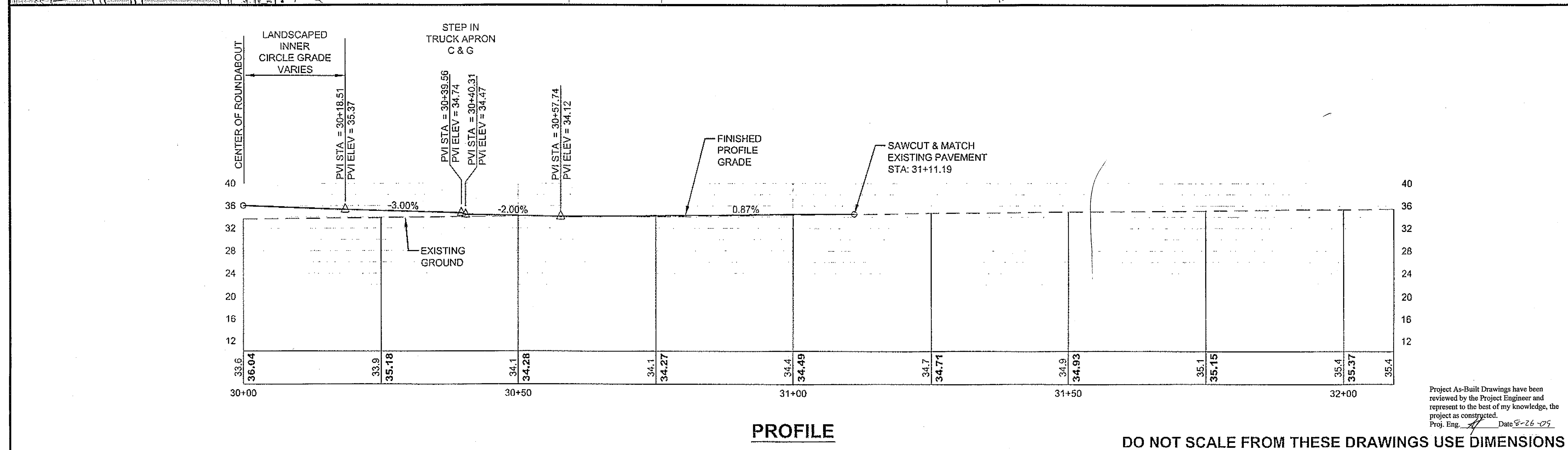
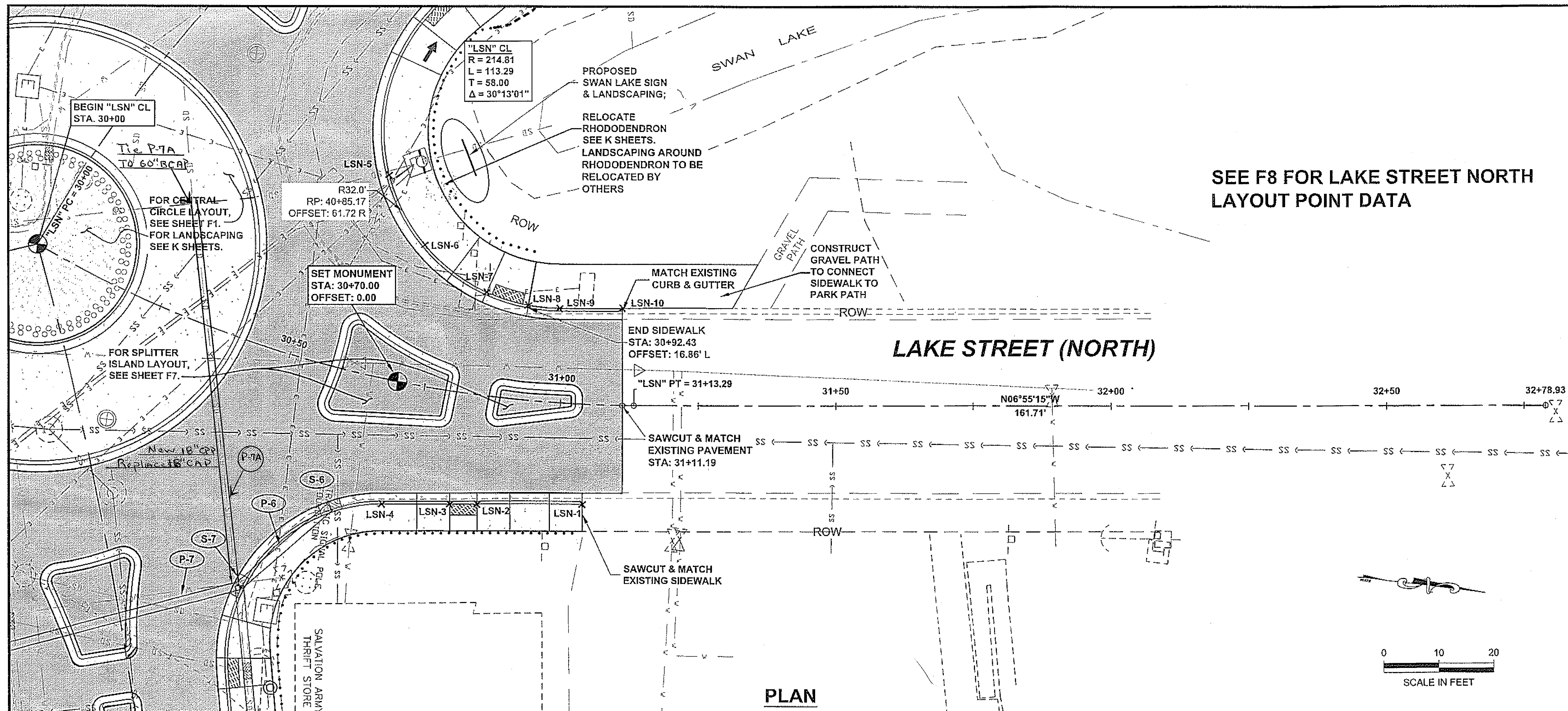
PROJECT PLAN & PROFILE

PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F3	57

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

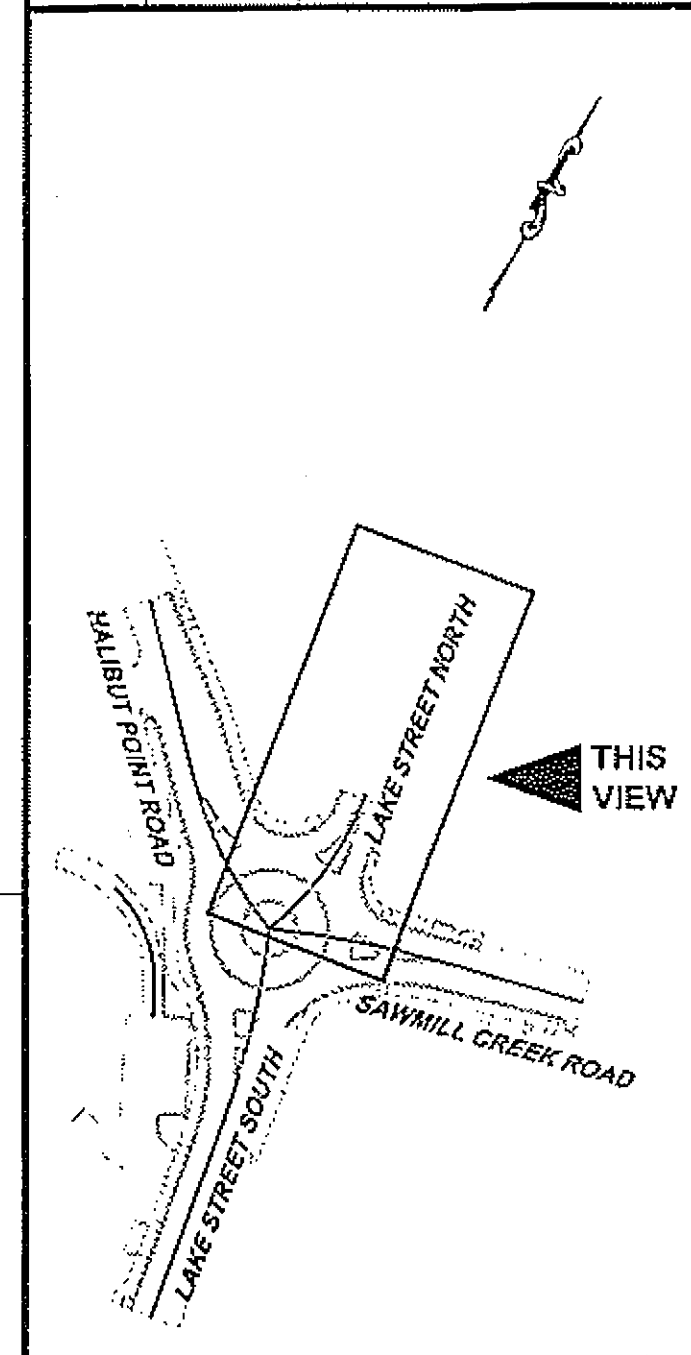


SEE F8 FOR LAKE STREET NORTH
LAYOUT POINT DATA

PATH:
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Tuesday, February 24, 2009 7:53:11 AM
TAB: F4 WILSON, BRIAN G

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: C. VANISZEK / D. LESTER

DRAWN BY: W. H. I. R. S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
PROJECT No. 68943

**PROJECT
PLAN & PROFILE**

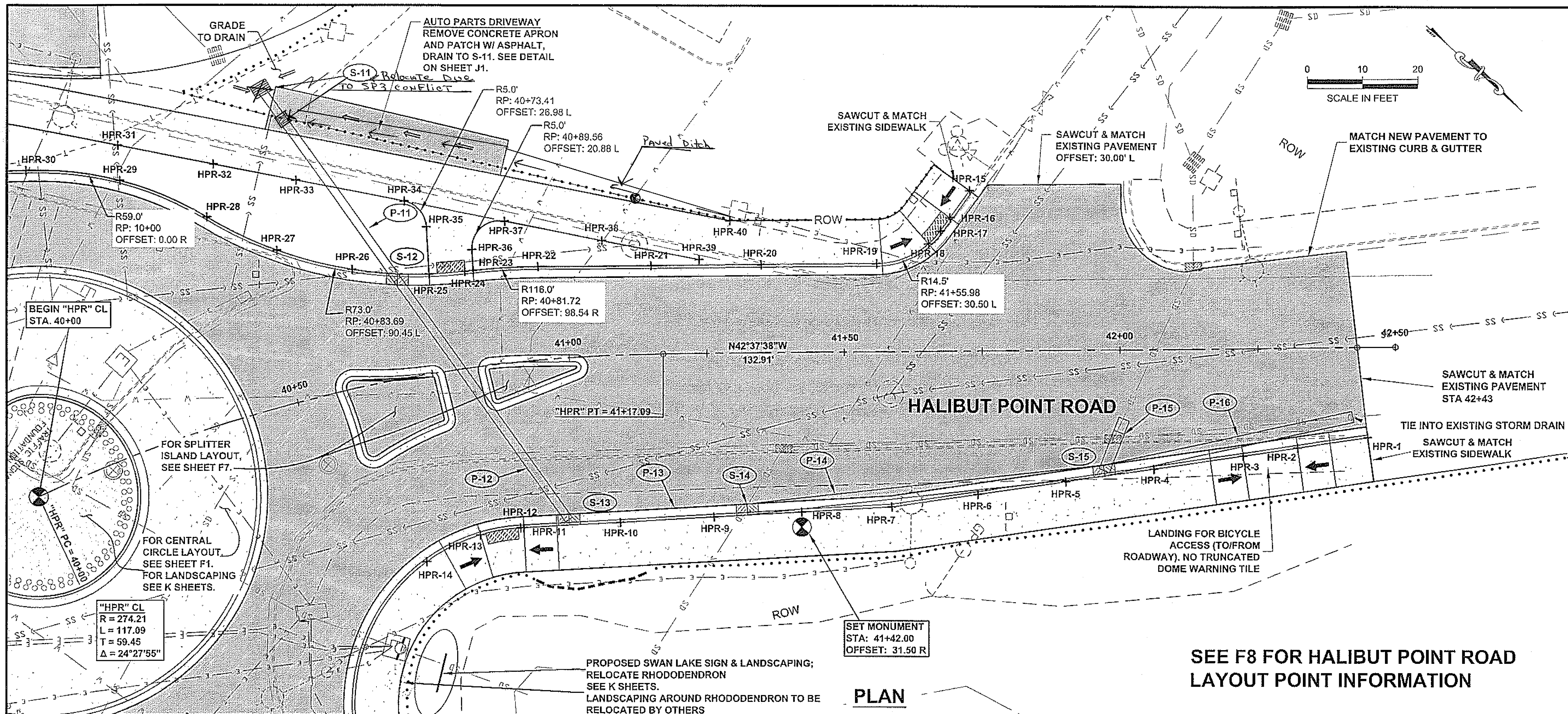
PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F4	57

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

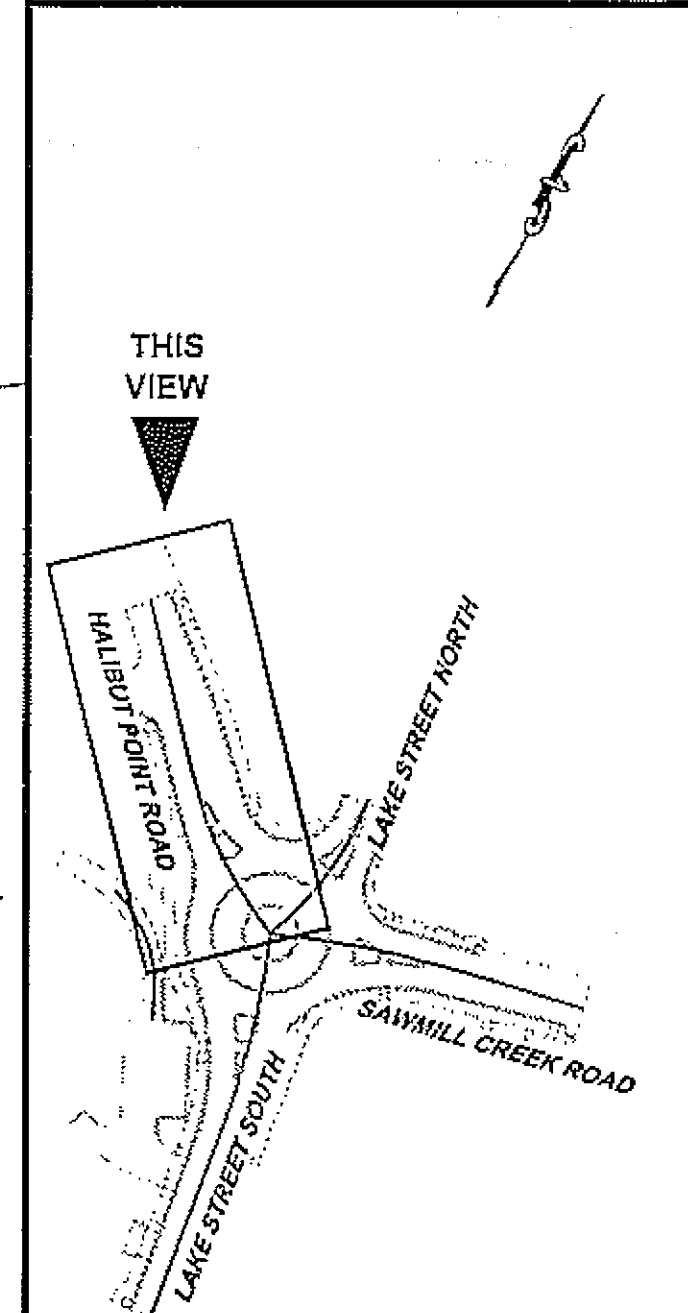


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Tuesday, February 24, 2009 11:00:24 AM

TAB: F5 WILSON, BRIAN G

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: C. IVANISZEK / D. LESTER

DRAWN BY: W. H. I. R. S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

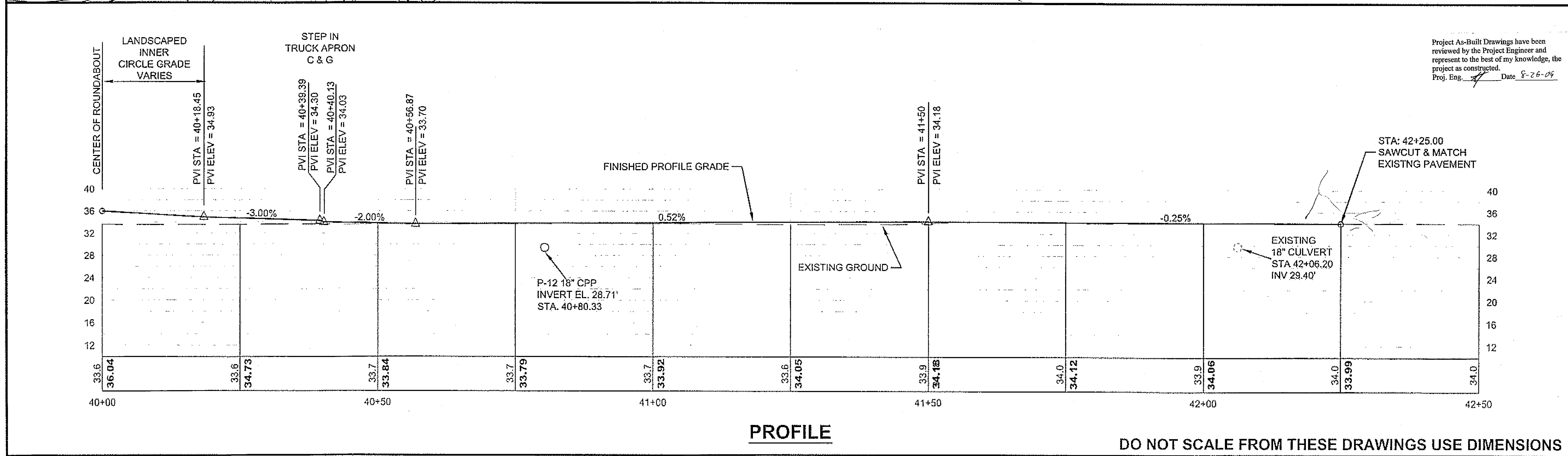
SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
PROJECT No. 68943

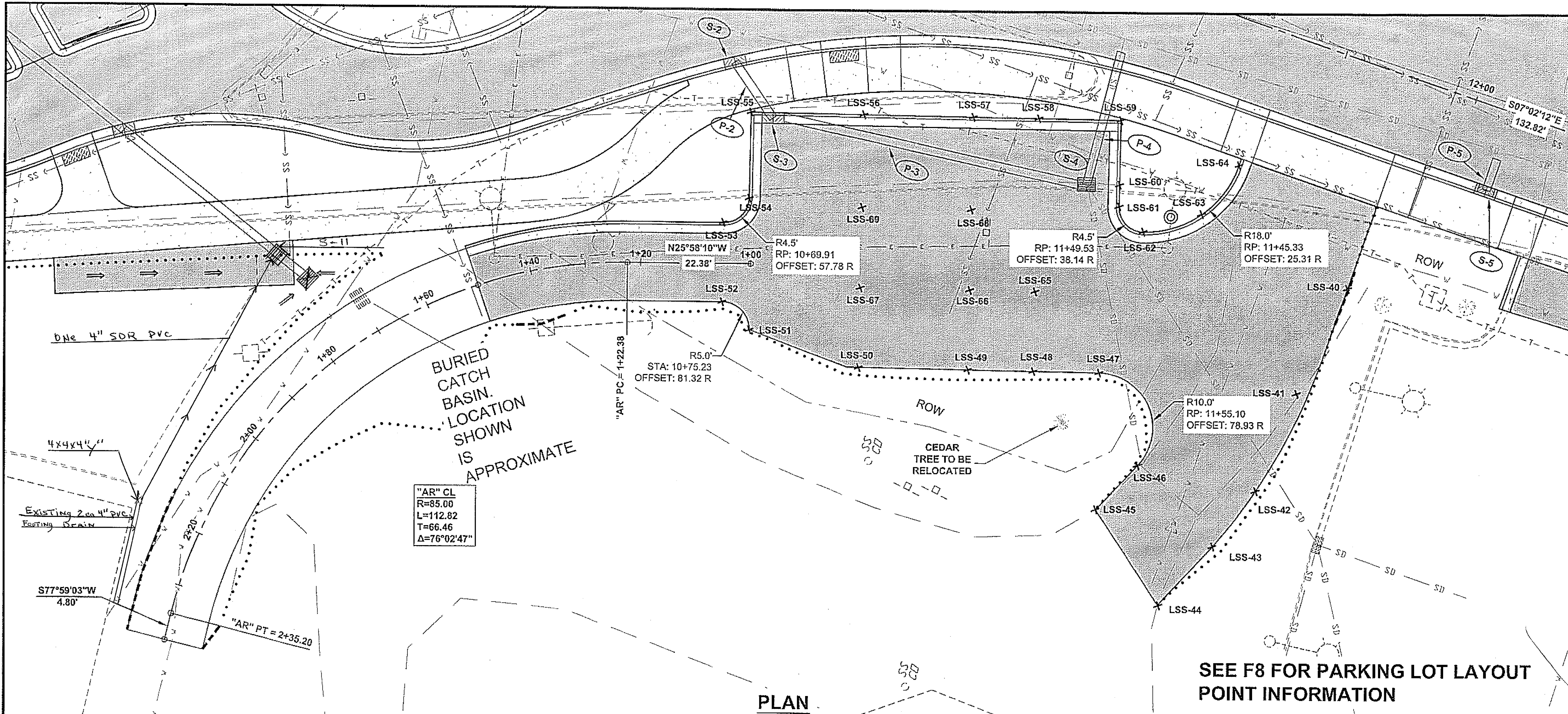
PROJECT PLAN & PROFILE

PROJECT DESIGNATION
ACHHE-000S(549)-68943

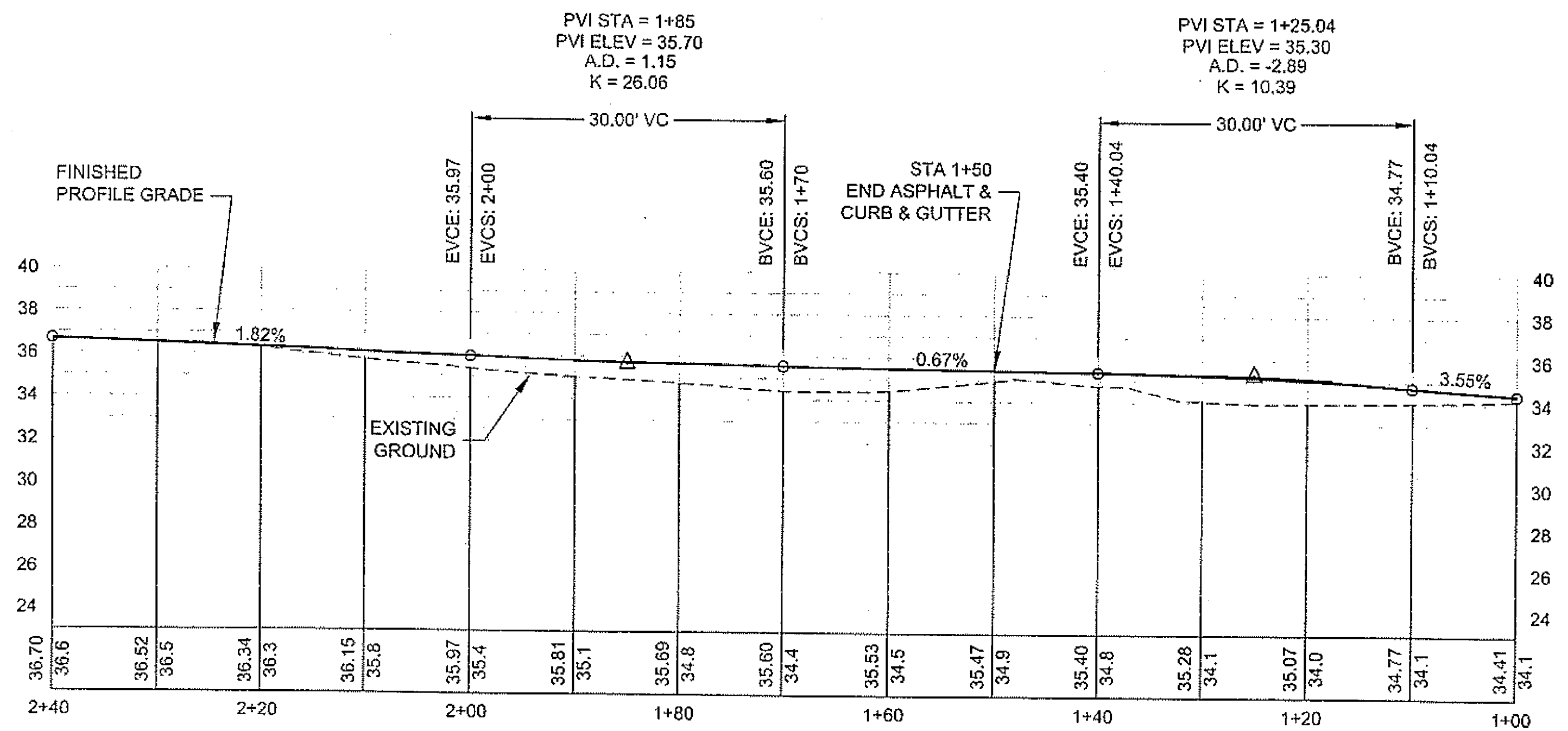
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F5	57





PLAN

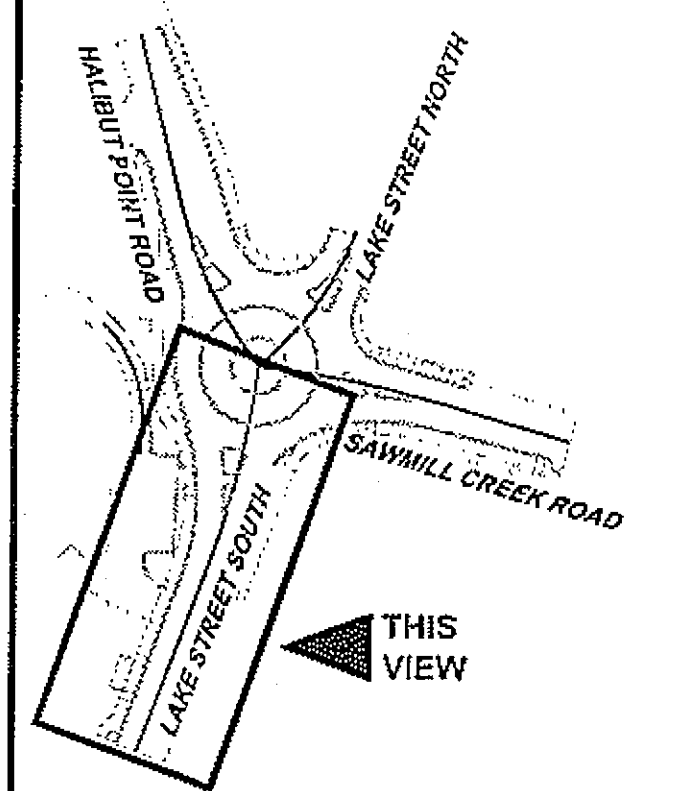


PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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 TAB: F6 WILSON, BRIAN C

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: C. IVANISZEK / D. LESTER

DRAWN BY: W. H. I. R. S.

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
 POINT ROAD ROUNDABOUT
 PROJECT No. 68943

**PARKING LOT &
 ACCESS ROAD
 PLAN & PROFILE**

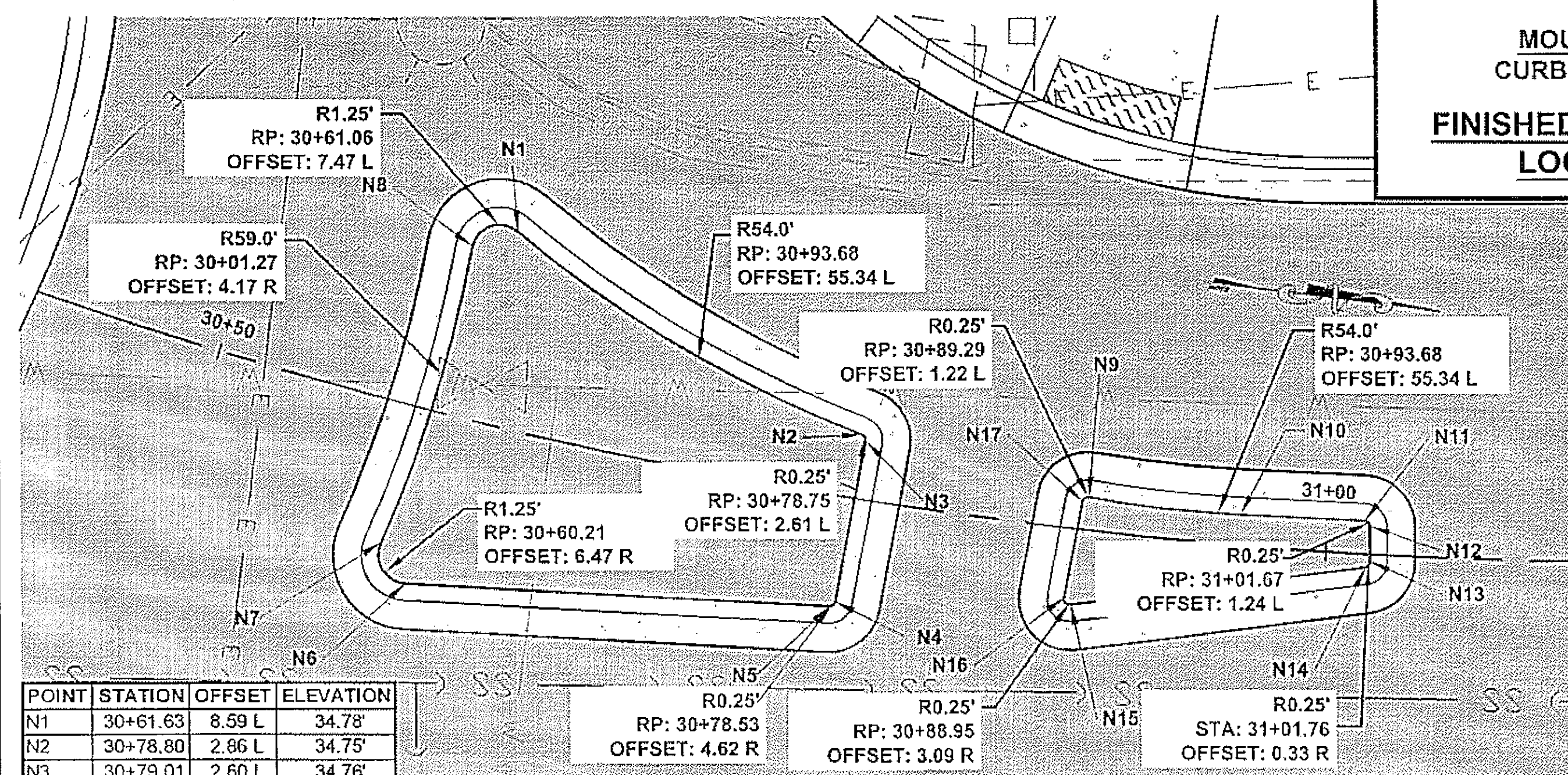
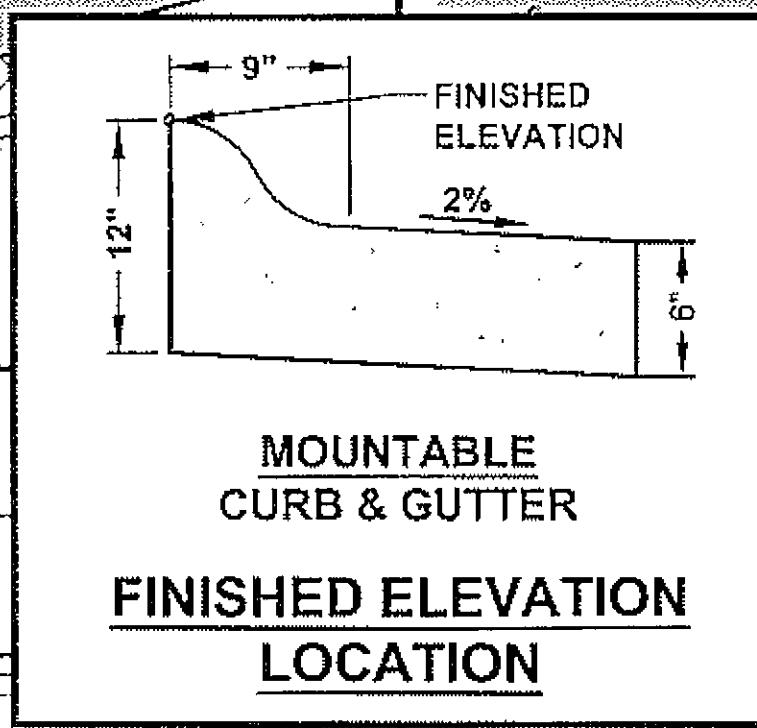
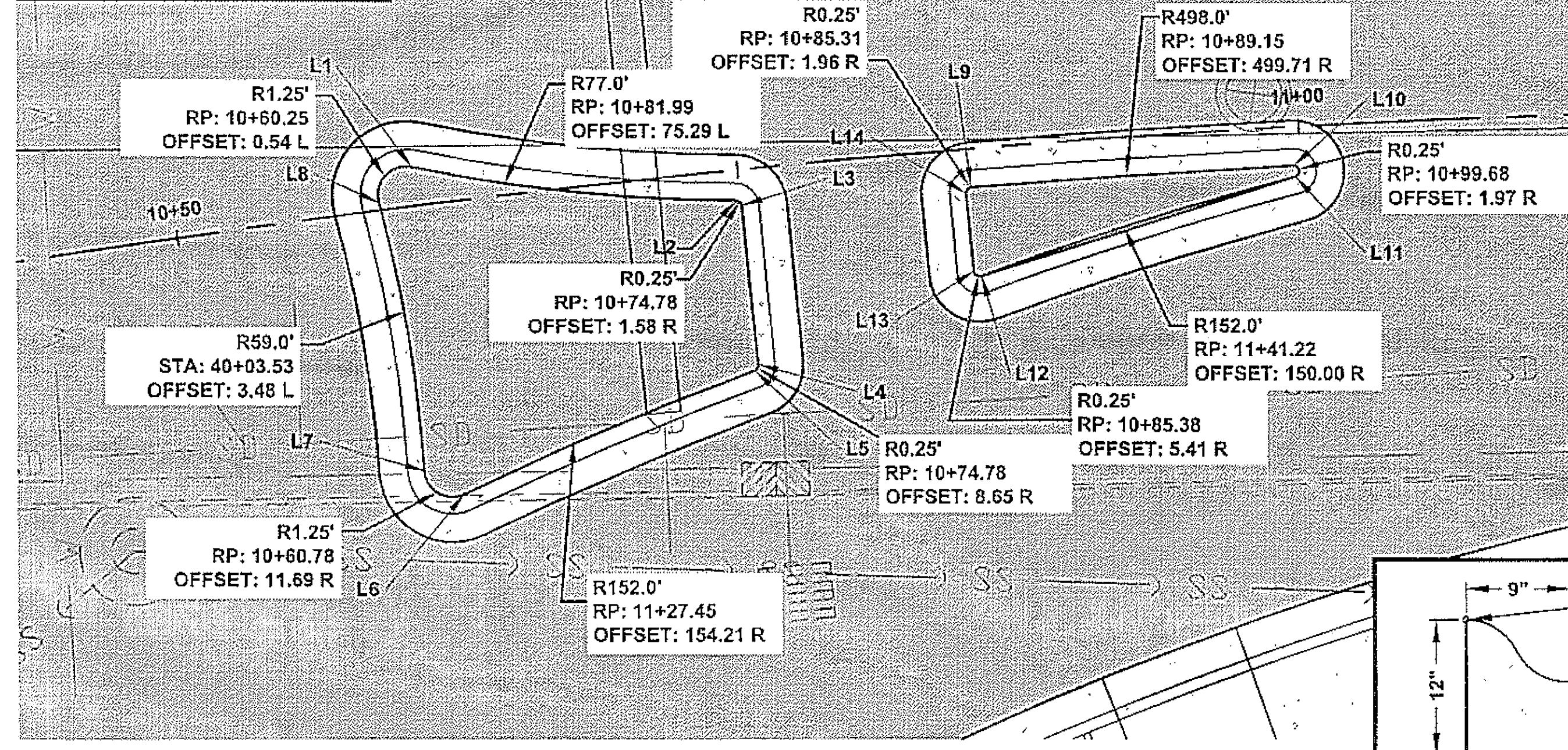
PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
F6	57

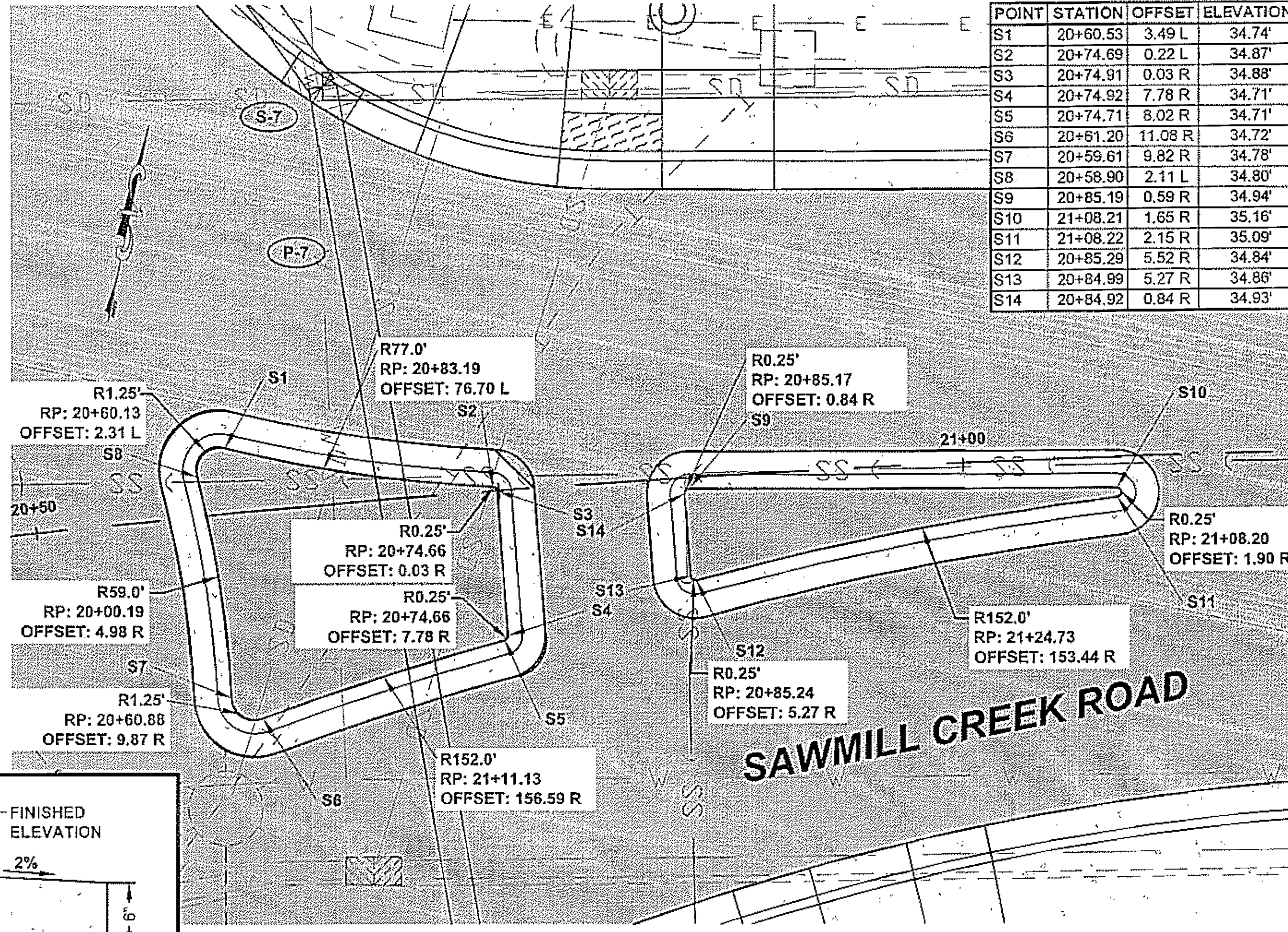
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. [Signature] Date 8-26-09

POINT	STATION	OFFSET	ELEVATION
L1	10+60.64	1.72 L	34.47'
L2	10+74.80	1.33 R	34.62'
L3	10+75.03	1.58 R	34.59'
L4	10+75.03	8.65 R	34.44'
L5	10+74.84	8.89 R	34.41'
L6	10+61.18	12.88 R	34.37'
L7	10+59.50	11.62 R	34.43'
L8	10+59.01	0.36 L	34.53'
L9	10+85.31	1.71 R	34.68'
L10	10+99.68	1.72 R	34.74'
L11	10+99.73	2.21 R	34.70'
L12	10+85.45	5.65 R	34.54'
L13	10+85.13	5.42 R	34.56'
L14	10+85.06	1.96 R	34.69'

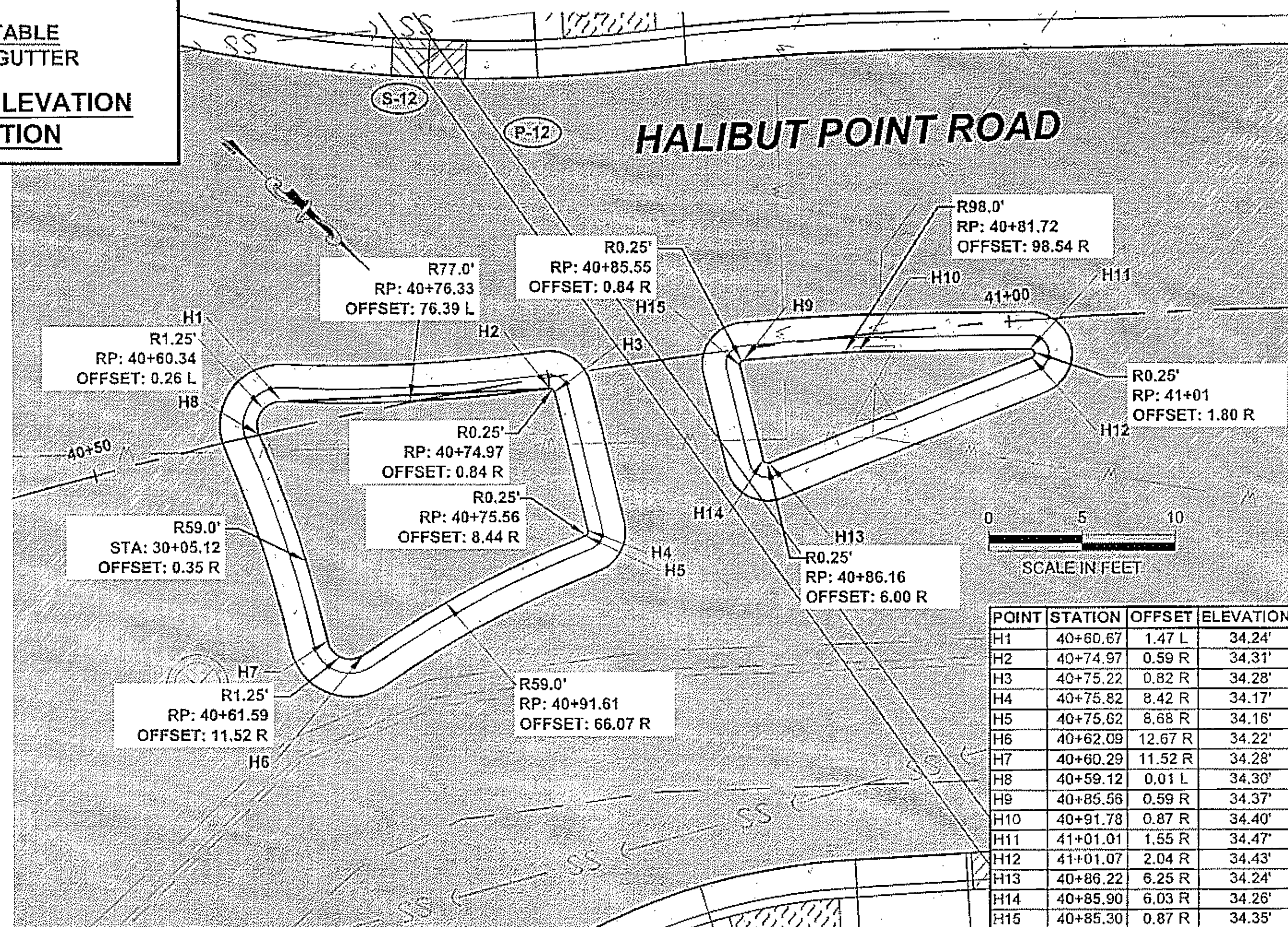


POINT	STATION	OFFSET	ELEVATION
N1	30+61.63	8.59 L	34.78'
N2	30+78.80	2.86 L	34.75'
N3	30+79.01	2.60 L	34.76'
N4	30+78.78	4.62 R	34.72'
N5	30+78.56	4.86 R	34.70'
N6	30+60.44	7.70 R	34.78'
N7	30+59.01	6.26 R	34.84'
N8	30+59.76	7.40 L	34.84'
N9	30+89.30	1.47 L	34.87'
N10	30+96.07	1.37 L	34.93'
N11	31+01.67	1.49 L	34.98'
N12	31+01.92	1.25 L	34.99'
N13	31+02.01	0.31 R	35.00'
N14	31+01.80	0.57 R	35.00'
N15	30+89.00	3.33 R	34.83'
N16	30+88.70	3.07 R	34.83'
N17	30+89.04	1.24 L	34.88'

LAKE STREET (NORTH)



POINT	STATION	OFFSET	ELEVATION
S1	20+60.53	3.49 L	34.74'
S2	20+74.69	0.22 L	34.87'
S3	20+74.91	0.03 R	34.88'
S4	20+74.92	7.78 R	34.71'
S5	20+74.71	8.02 R	34.71'
S6	20+61.20	11.08 R	34.72'
S7	20+59.61	9.82 R	34.78'
S8	20+58.90	2.11 L	34.80'
S9	20+85.19	0.59 R	34.94'
S10	21+08.21	1.65 R	35.16'
S11	21+08.22	2.15 R	35.09'
S12	20+85.28	5.52 R	34.84'
S13	20+84.99	5.27 R	34.86'
S14	20+84.92	0.84 R	34.93'



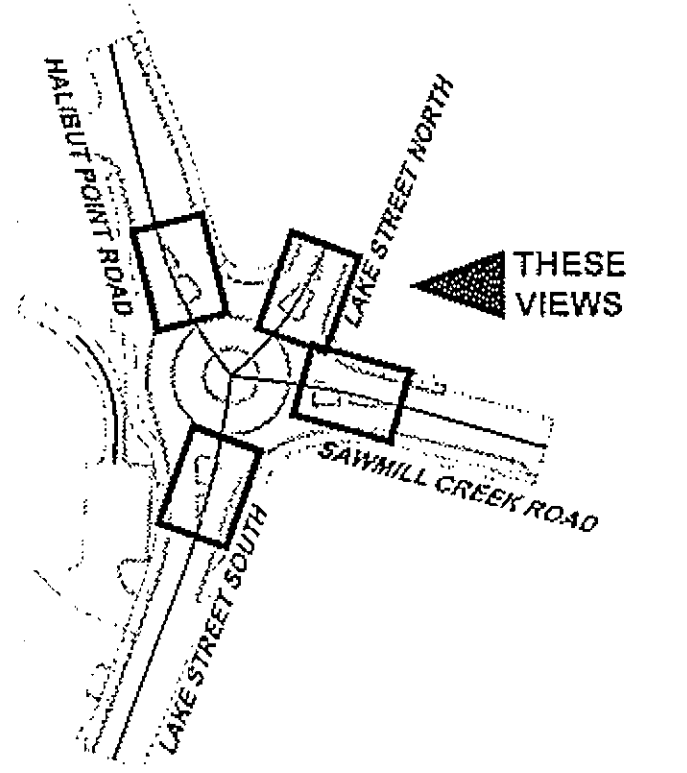
POINT	STATION	OFFSET	ELEVATION
H1	40+60.67	1.47 L	34.24'
H2	40+74.97	0.59 R	34.31'
H3	40+75.22	0.82 R	34.28'
H4	40+75.82	8.42 R	34.17'
H5	40+75.62	8.68 R	34.16'
H6	40+62.09	12.67 R	34.22'
H7	40+60.29	11.52 R	34.28'
H8	40+59.12	0.01 L	34.30'
H9	40+85.56	0.59 R	34.37'
H10	40+91.78	0.87 R	34.40'
H11	41+01.01	1.55 R	34.47'
H12	41+01.07	2.04 R	34.43'
H13	40+86.22	6.25 R	34.24'
H14	40+85.90	6.03 R	34.26'
H15	40+85.30	0.87 R	34.35'

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\SIT\168943\PLANSET\168943_F2-F6 PLAN.DWG

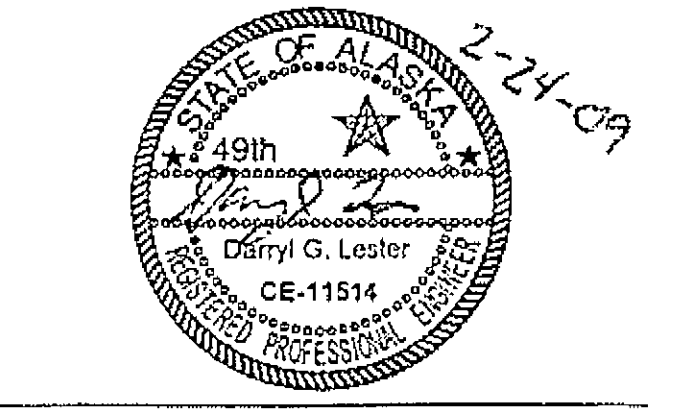
Tuesday, February 24, 2009 11:18:17 AM
TAB: F7 WILSON, BRIAN C

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. [Signature] Date 6-26-09
PLAN LEGEND

CHECKED BY: C. HOWARD



DESIGNED BY: C. IVANISZEK / D. LESTER

DRAWN BY: W. H. I. R. S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
PROJECT No. 68943

**SPLITTER ISLAND
LAYOUT PLAN**

PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F7	57

LAKE STREET SOUTH					
POINT NO.	STATION	OFFSET		ELEVATION	DESCRIPTION
		LEFT	RIGHT		
LSS 1	12+73.73		16.00	34.32	
LSS 2	12+62.73		28.68		
LSS 3	12+58.05		24.00		
LSS 4	12+38.72		16.00	34.27	CURB CUT
LSS 5	12+18.59		16.00	34.19	CURB CUT
LSS 6	11+89.33		16.00	34.21	CURB CUT
LSS 7	11+65.33		16.00	34.27	CURB CUT
LSS 8	11+50.60		16.00	34.57	PT
LSS 9	11+35.51		16.73	34.53	POC
LSS 10	11+20.23		18.64	34.43	POC
LSS 11	11+05.06		21.64	34.28	POC
LSS 12	10+90.07		25.72	33.81	LANDING
LSS 13	10+82.14		28.35	33.72	LANDING
LSS 14	10+54.61		40.11	33.99	PC
LSS 15	10+40.26		47.10	34.05	POT
LSS 16	10+25.54		53.76	34.08	PT
LSS 17	10+29.87		60.84	35.15	
LSS 18	10+49.48		48.52	34.37	
LSS 19	10+58.51		39.30	33.99	
LSS 20	11+53.40	16.00		34.13	
LSS 21	11+34.93	16.04		34.54	PT
LSS 22	11+20.00	16.18		34.48	POC
LSS 23	11+05.00	16.26		34.38	POC
LSS 24	10+89.94	16.29		34.29	PRC
LSS 25	10+86.03	16.42		33.97	LANDING
LSS 26	10+78.32	17.41		33.91	LANDING
LSS 27	10+63.50	22.30		34.23	POC
LSS 28	10+50.41	30.78		34.51	POC
LSS 29	10+39.83	42.29		34.55	POC
LSS 30	10+32.24	56.12		34.43	PCC
LSS 31	10+46.91	35.36		34.58	PC
LSS 32	10+61.34	29.38		34.35	PT
LSS 33	10+74.92	27.49		34.21	PC
LSS 34	10+79.08	21.59		34.06	PT
LSS 35	10+86.87	21.44		34.15	PC
LSS 36	10+92.06	25.59		34.34	PT
LSS 37	11+12.07	24.08		34.47	PC
LSS 38	11+24.85	20.32		34.52	PRC
LSS 39	11+33.00	17.06		34.55	PT

LAKE STREET NORTH					
POINT NO.	STATION	OFFSET		ELEVATION	DESCRIPTION
		LEFT	RIGHT		
LSN-1	31+04.72		18.19		MATCH EXISTING
LSN-2	30+87.13		19.74	34.13	LANDING
LSN-3	30+82.60		20.40	34.07	LANDING
LSN-4	30+71.57		22.46	34.23	PC
LSN-5	30+59.19	36.34		34.17	POC
LSN-6	30+69.85	25.44		34.32	POC
LSN-7	30+83.89	18.83		34.11	LANDING
LSN-8	30+92.48	17.35		34.22	LANDING
LSN-9	30+98.67	17.32		34.27	PT
LSN-10	31+10.99	17.77			MATCH EXISTING

SAWMILL CREEK ROAD					
POINT NO.	STATION	OFFSET		EL.	DESCRIPTION
		LEFT	RIGHT		
SCR-1	22+07.52		15.93	35.19	LANDING
SCR-2	22+00.72		15.98	35.44	ANGLE POINT
SCR-3	21+96.61		26.84		
SCR-4	21+94.02		24.29		
SCR-5	21+85.00		16.69	35.32	POT
SCR-6	21+70.00		17.36	35.19	POT
SCR-7	21+55.00		18.03	35.06	POT
SCR-8	21+40.00		18.70	34.94	POT
SCR-9	21+22.02		19.45	34.61	PT
SCR-10	21+18.10		19.62	34.45	CURB CUT
SCR-11	21+04.00		20.96	34.31	POC
SCR-12	21+00.70		21.44	34.27	CURB CUT
SCR-13	20+86.72		24.21	34.12	LANDING
SCR-14	20+81.53		25.54	34.05	LANDING
SCR-15	20+57.32		34.06	34.43	PCC
SCR-16	21+43.20	16.00		34.57	
SCR-17	21+21.84	16.06		34.55	CURB CUT
SCR-18	21+08.15	16.36		34.44	CURB CUT
SCR-19	20+84.86	17.47		34.24	LANDING
SCR-20	20+82.10	17.65		34.22	PC
SCR-21	20+79.54	17.95		34.19	LANDING
SCR-22	20+68.15	22.91		34.37	POC
SCR-23	20+59.25	35.06		34.20	POC
SCR-24	20+57.93	50.27		34.23	PT
SCR-25	20+62.33	49.15			END TRANSITION
SCR-26	20+65.91	33.48			TRANSITION MID PT
SCR-27	20+79.55	25.85			BEGIN TRANSITION
SCR-28	21+30.65	24.00			
SCR-29	21+32.20	25.56			

PARKING LOT					
POINT	STATION	OFFSET	ELEVATION	DESCRIPTION	
LSS-40	11+89.33	39.98 RT	34.32	POT	
LSS-41	11+89.33	54.46 RT	34.32	PC	
LSS-42	11+87.06	75.65 RT	35.29	POC	
LSS-43	11+80.35	95.88 RT	37.55	PT	
LSS-44	11+75.98	105.48 RT		MATCH EXISTING	
LSS-45	11+59.66	93.06 RT		MATCH EXISTING	
LSS-46	11+64.20	83.08 RT	36.80	PC	
LSS-47	11+51.99	69.43 RT	34.58	PT	
LSS-48	11+40.60	73.13 RT	34.96	POT	
LSS-49	11+27.52	76.69 RT	35.35	POT	
LSS-50	11+02.85	82.58 RT	35.13	ANGLE POINT	
LSS-51	10+80.93	80.30 RT	34.77	PC	
LSS-52	10+74.00	76.43 RT	34.80	PT	
LSS-53	10+70.72	62.22 RT	34.83	PC	
LSS-54	10+74.82	56.91 RT	34.52	PT	
LSS-55	10+71.50	41.71 RT	34.07	CORNER	
LSS-56	10+92.92	37.40 RT	34.48	POT	
LSS-57	11+13.46	32.48 RT	34.87	POT	
LSS-58	11+25.57	29.21 RT	34.78	POT	
LSS-59	11+40.39	24.81 RT	34.67	CORNER	
LSS-60	11+44.02	35.80 RT	34.32	POT	
LSS-61	11+45.25	39.54 RT	34.34	PC	
LSS-62	11+50.93	42.42 RT	34.47	PCC	
LSS-63	11+59.90	35.88 RT	34.55	POC	
LSS-64	11+63.33	25.31 RT	34.67	PT	

HALIBUT POINT ROAD					
POINT NO.	STATION	OFFSET		ELEVATION	DESCRIPTION
		LEFT	RIGHT		
HPR-1	42+44.87		16.28		MATCH EXISTING
HPR-2	42+32.07		18.01	34.08	BICYCLE RAMP
HPR-3	42+22.16		19.35	34.03	BICYCLE RAMP
HPR-4	42+06.00		21.54	34.24	POT
HPR-5	41+90.00		23.71	34.16	POT
HPR-6	41+74.00		25.88	34.06	POT
HPR-7	41+58.35		28.00	33.98	ANGLE POINT
HPR-8	41+42.00		28.77	33.89	POT
HPR-9	41+26.00		29.53	33.80	POT
HPR-10	41+08.00		30.20	33.71	POT
HPR-11	40+88.29		29.82	33.40	LANDING
HPR-12	40+87.65		29.78	33.40	PT
HPR-13	40+79.31		30.09	33.48	LANDING
HPR-14	40+67.57		33.20	33.95	POC
HPR-15	41+72.94	29.00			MATCH EXISTING
HPR-16	41+69.36	24.19		34.30	LANDING
HPR-17	41+67.61	21.83		34.22	PT
HPR-18	41+65.45	19.52		34.15	LANDING
HPR-19	41+55.98	16.00		34.32	PC
HPR-20	41+35.00	16.00		34.22	POT
HPR-21	41+15.12	16.01		34.12	POT
HPR-22	40+95.78	16.88		34.00	PC
HPR-23	40+84.68	17.43		33.61	LANDING
HPR-24	40+83.23	17.45		33.60	PRC
HPR-25	40+77.17	17.86		33.57	LANDING
HPR-26	40+64.41	21.19		33.88	POC
HPR-27	40+62.93	27.64		33.97	POC
HPR-28	40+43.37	36.78		34.04	PRC
HPR-29	40+32.01	47.75		34.05	POC
HPR-30	40+19.05	55.19		34.08	PT
HPR-31	40+33.39	53.99		34.78	POT
HPR-32	40+46.60	45.75		34.41	POT
HPR-33	40+58.53	39.27		34.09	POT
HPR-34	40+75.01	31.66		34.20	PC
HPR-35	40+77.94	26.46		34.02	PT
HPR-36	40+84.92	21.19		33.87	PC
HPR-37	40+90.93	25.66		34.28	PT
HPR-38	41+06.90	20.85			POT
HPR-39	41+23.72	17.00		34.18	
HPR-40	41+29.36	24.00			ANGLE POINT

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\SIT168943\PLANSET168943_F2-F8 PLAN.DWG

Monday, February 23, 2009 1:11:36 PM
TAB: F8 WILSON, BRIAN C

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. Date 8-26-09

PLAN LEGEND

CHECKED BY: C. HOWARD



DESIGNED BY: C. IVANISZEK / D. LESTER

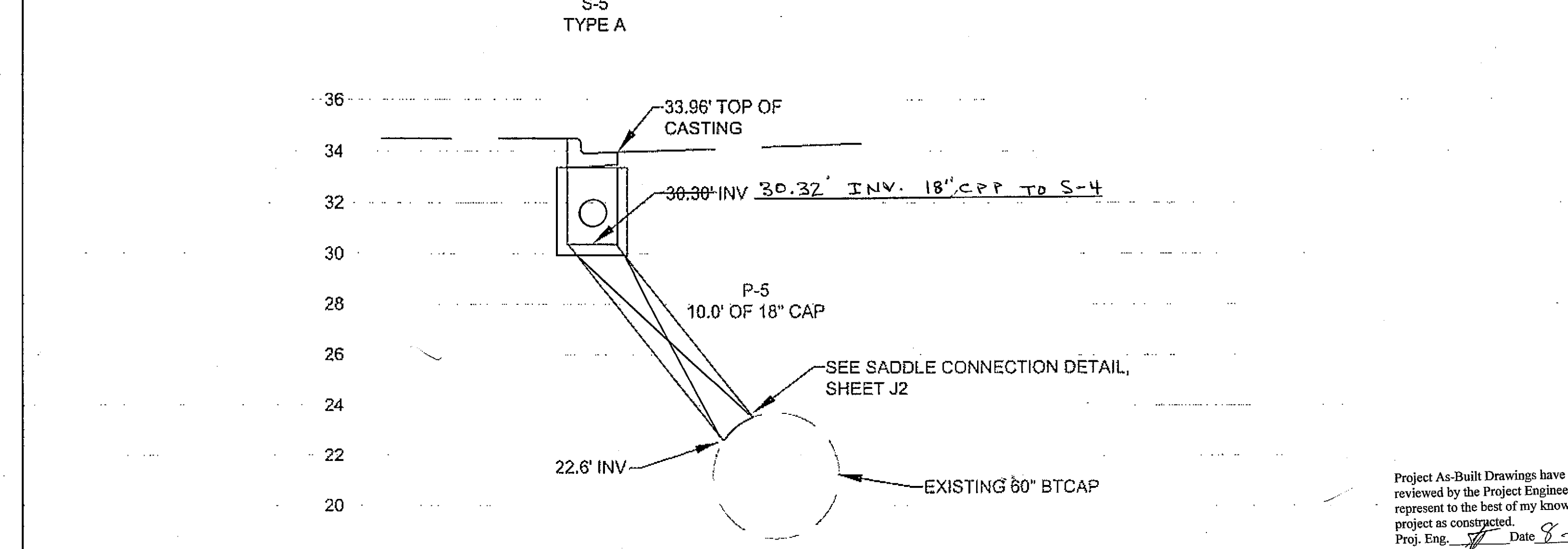
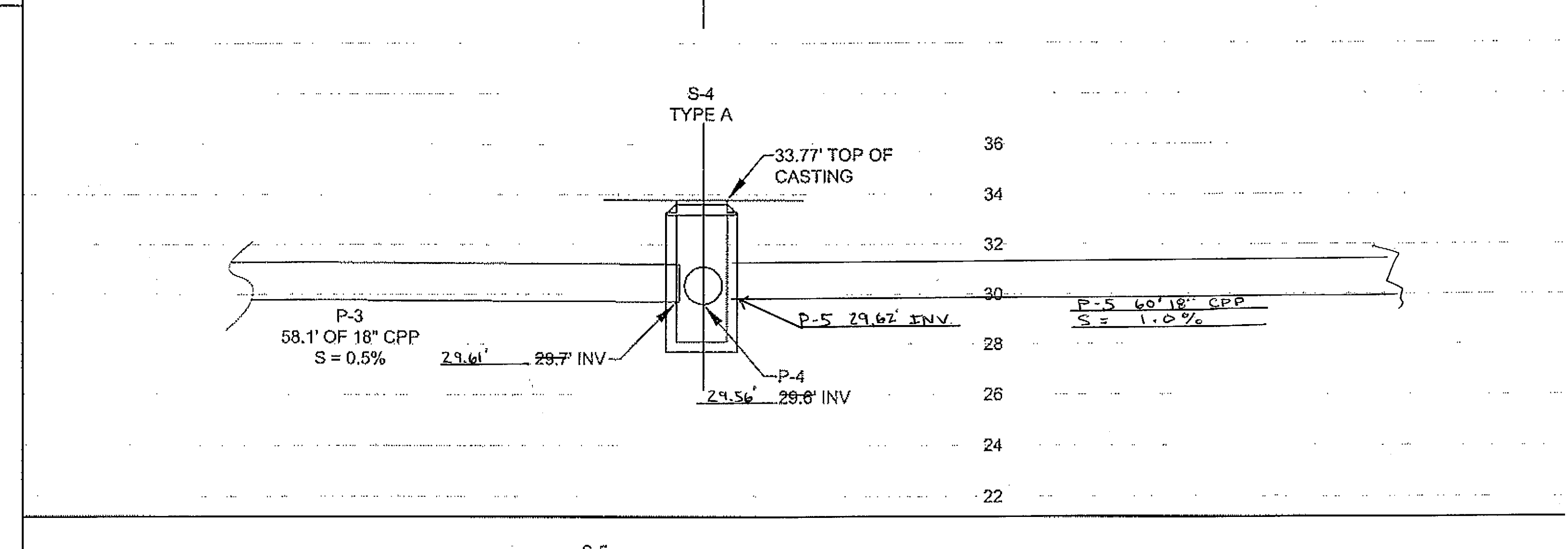
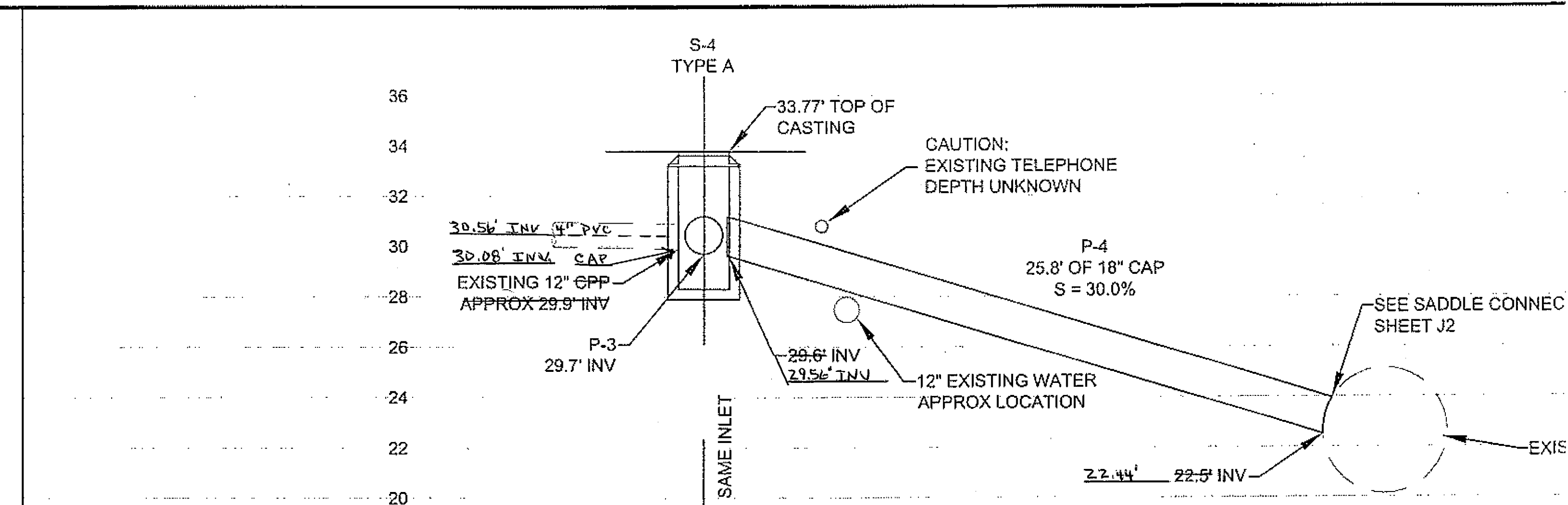
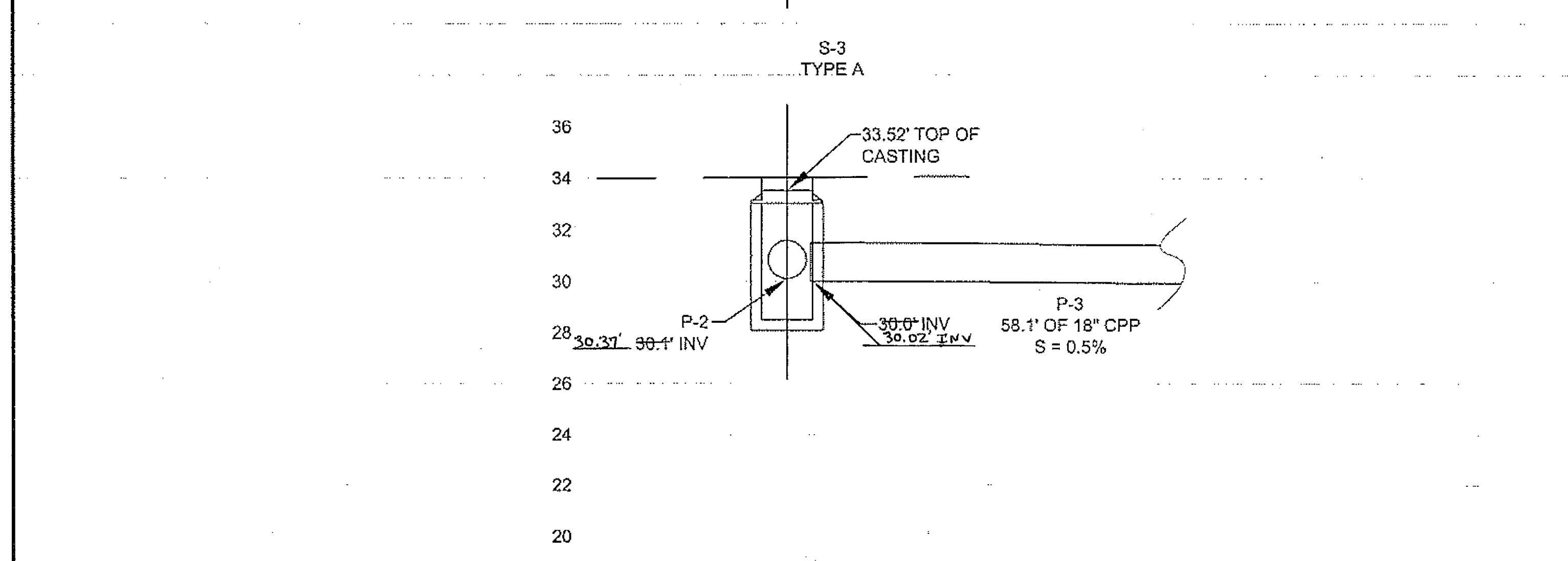
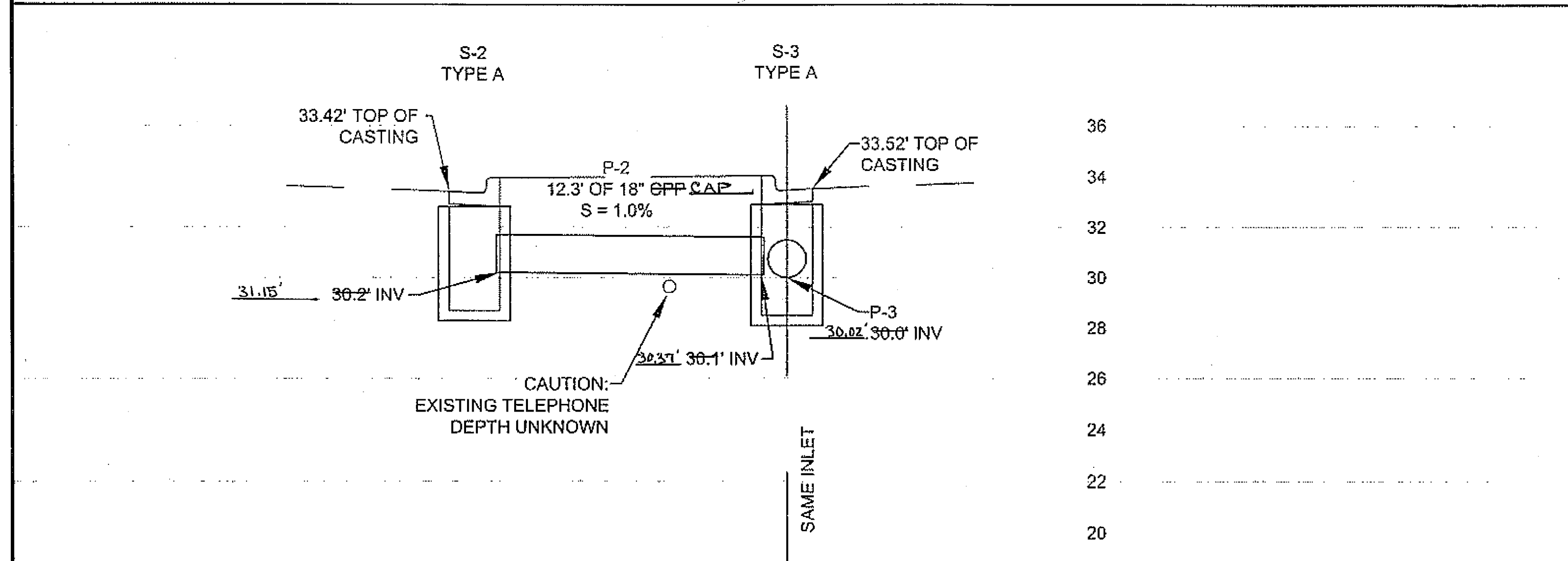
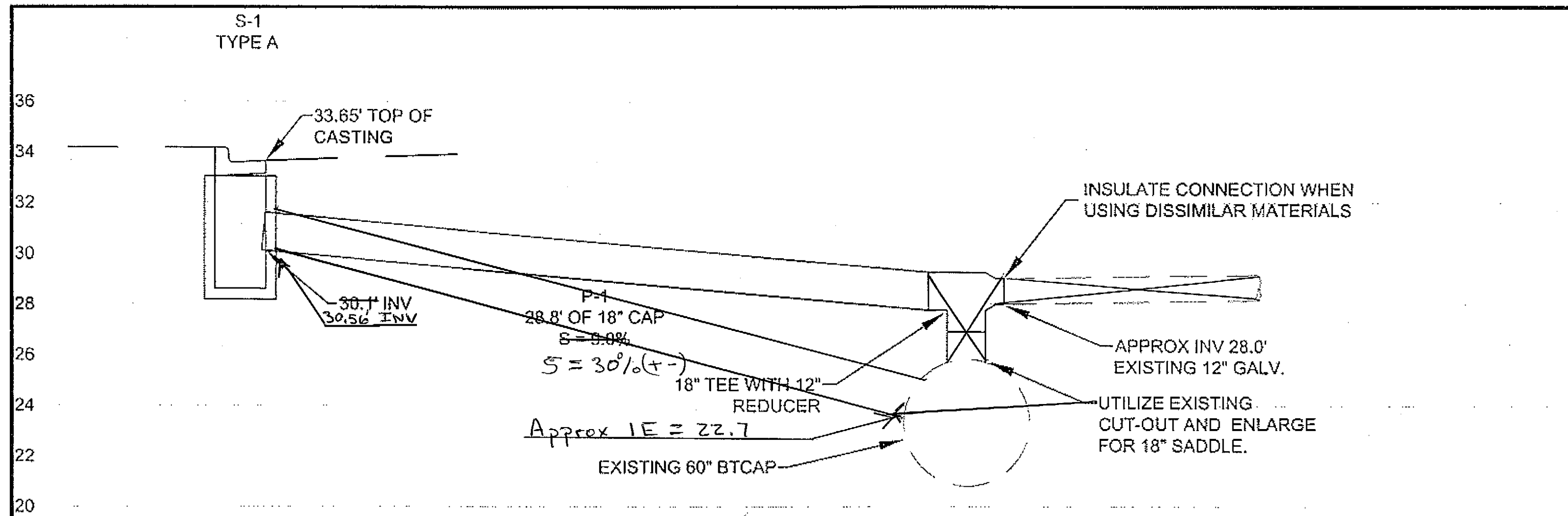
DRAWN BY: W. H. I. R. S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD - HALIBUT
POINT ROAD ROUNDABOUT
PROJECT No. 68943

LAYOUT POINT
DATA

PROJECT DESIGNATION	
ACHHE-000S(549)-68943	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F8	57



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD

DESIGNED BY: C. IVANISZEK / D. LESTER

DRAWN BY: W.H. / R.S.

PATH: Q:\SIT\68943\PLANSET\68943_H1-H3_DRAINAGE.DWG

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PROJECT DESIGNATION: ACHHE-000S(549)~ PROJECT #68943

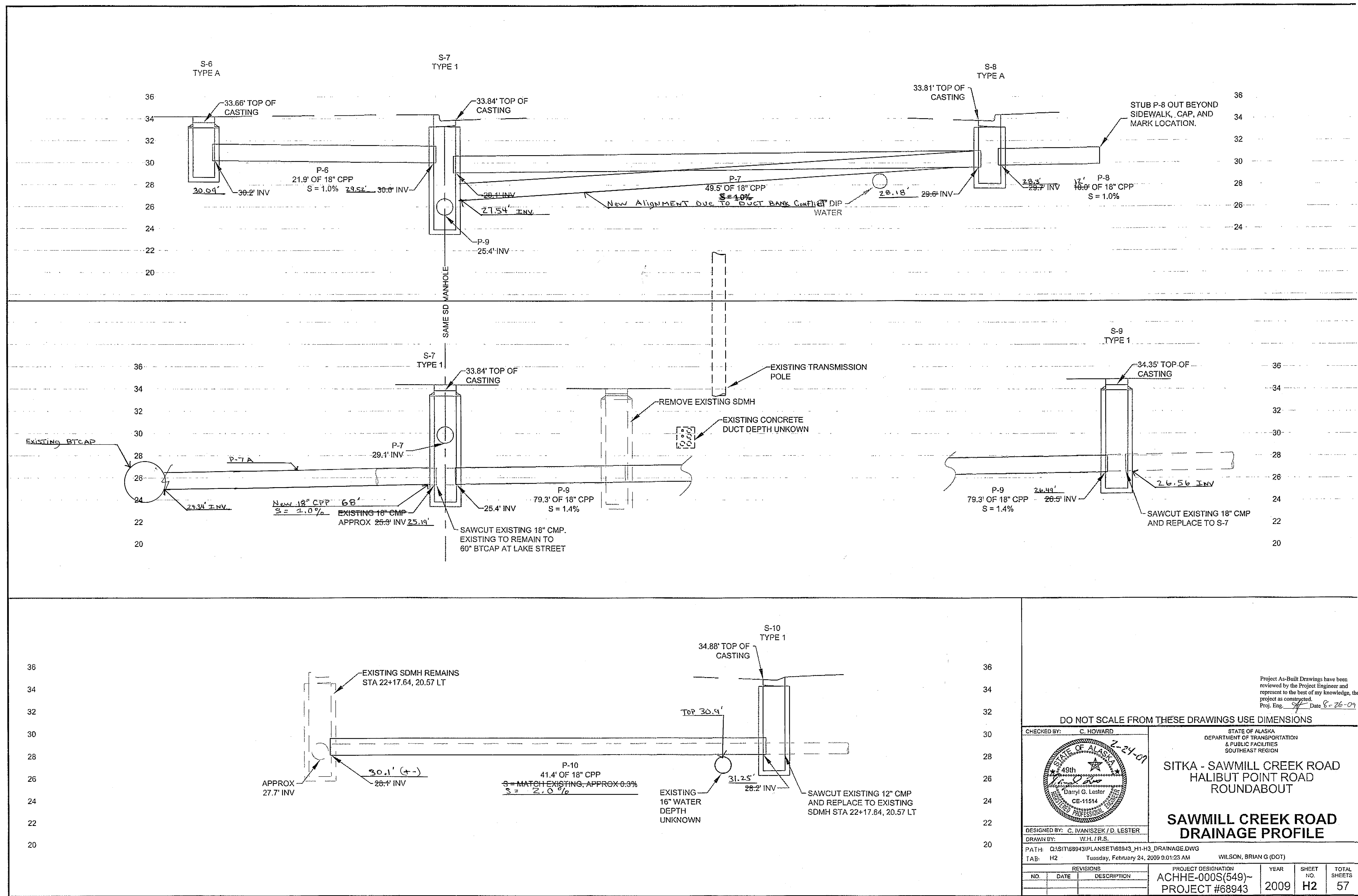
YEAR: 2009

SHEET NO: H1

TOTAL SHEETS: 57

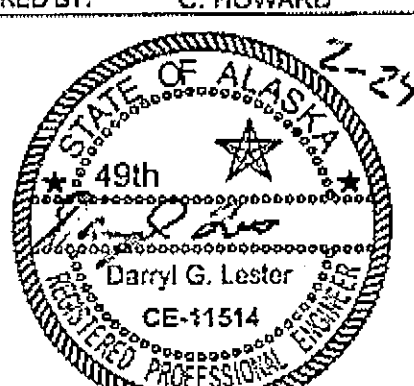
SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT

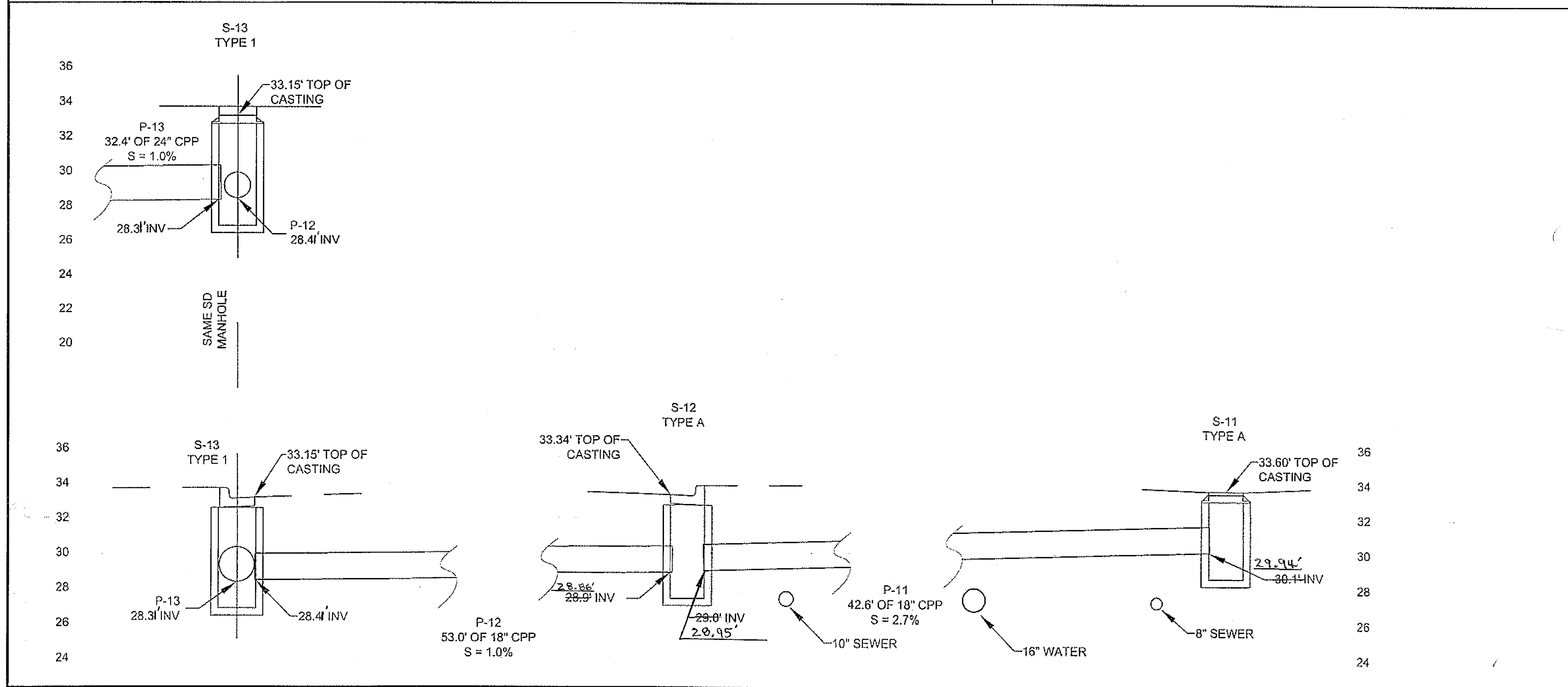
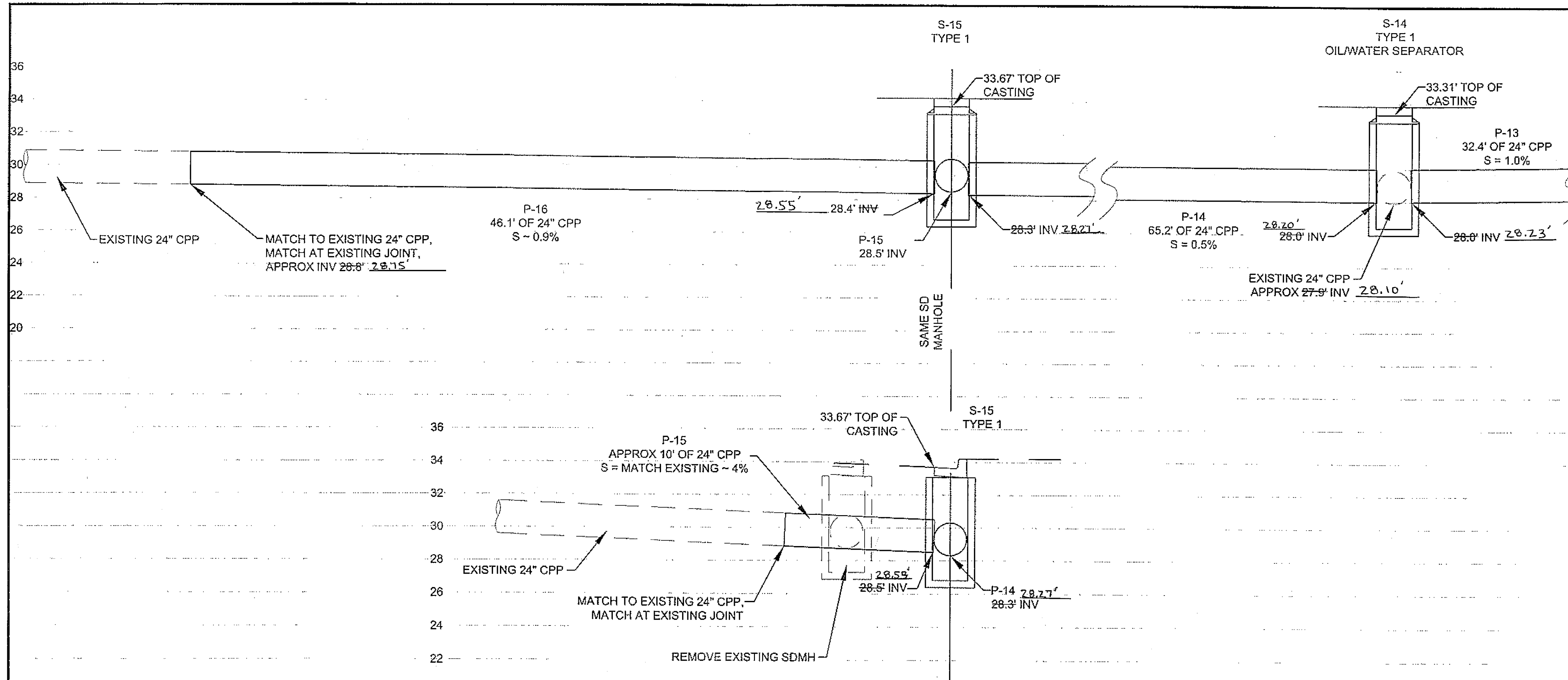
PARKING LOT DRAINAGE PROFILE



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 6-26-09

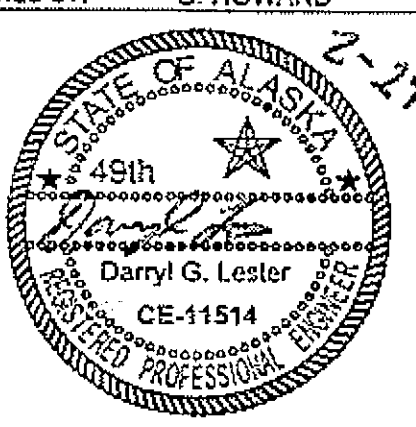
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

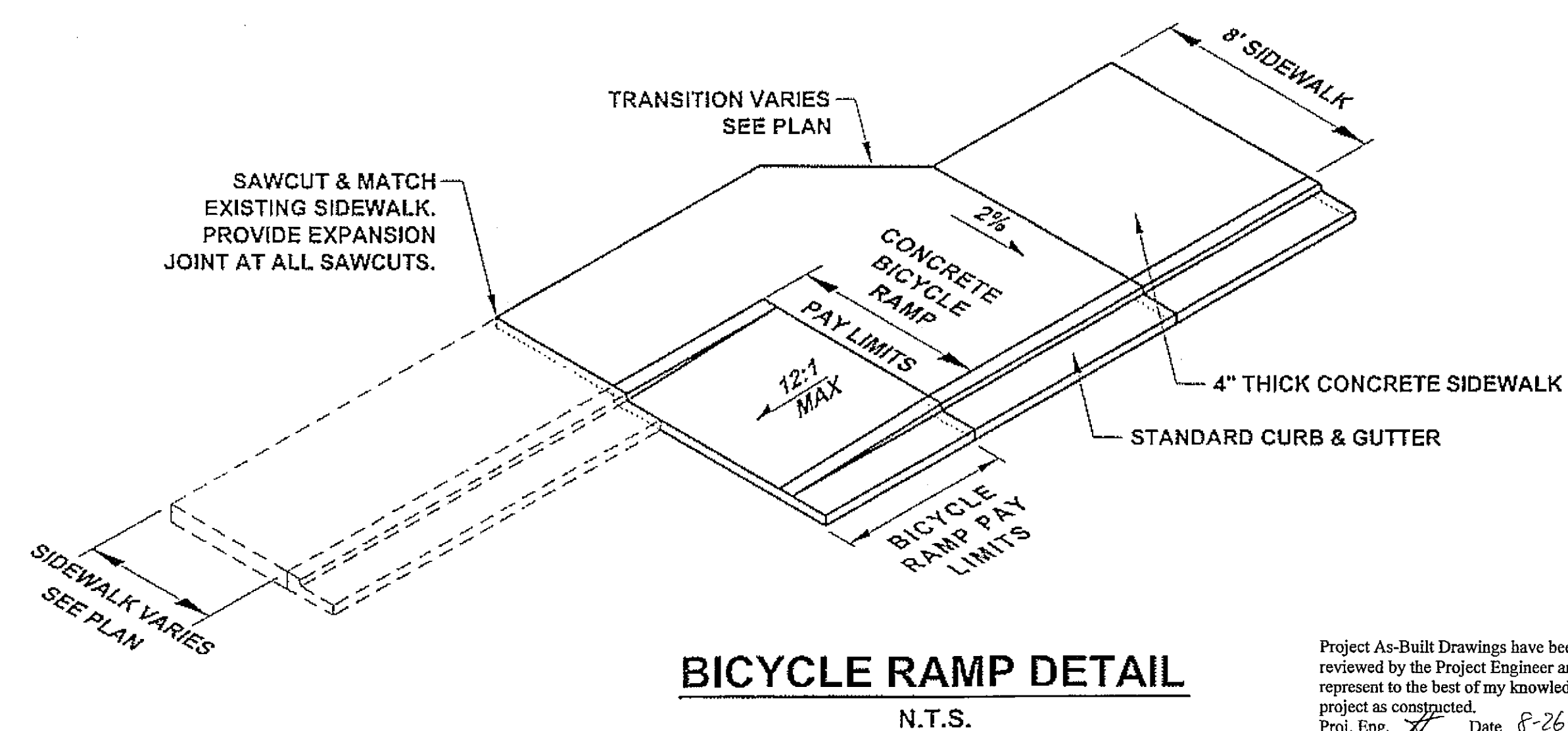
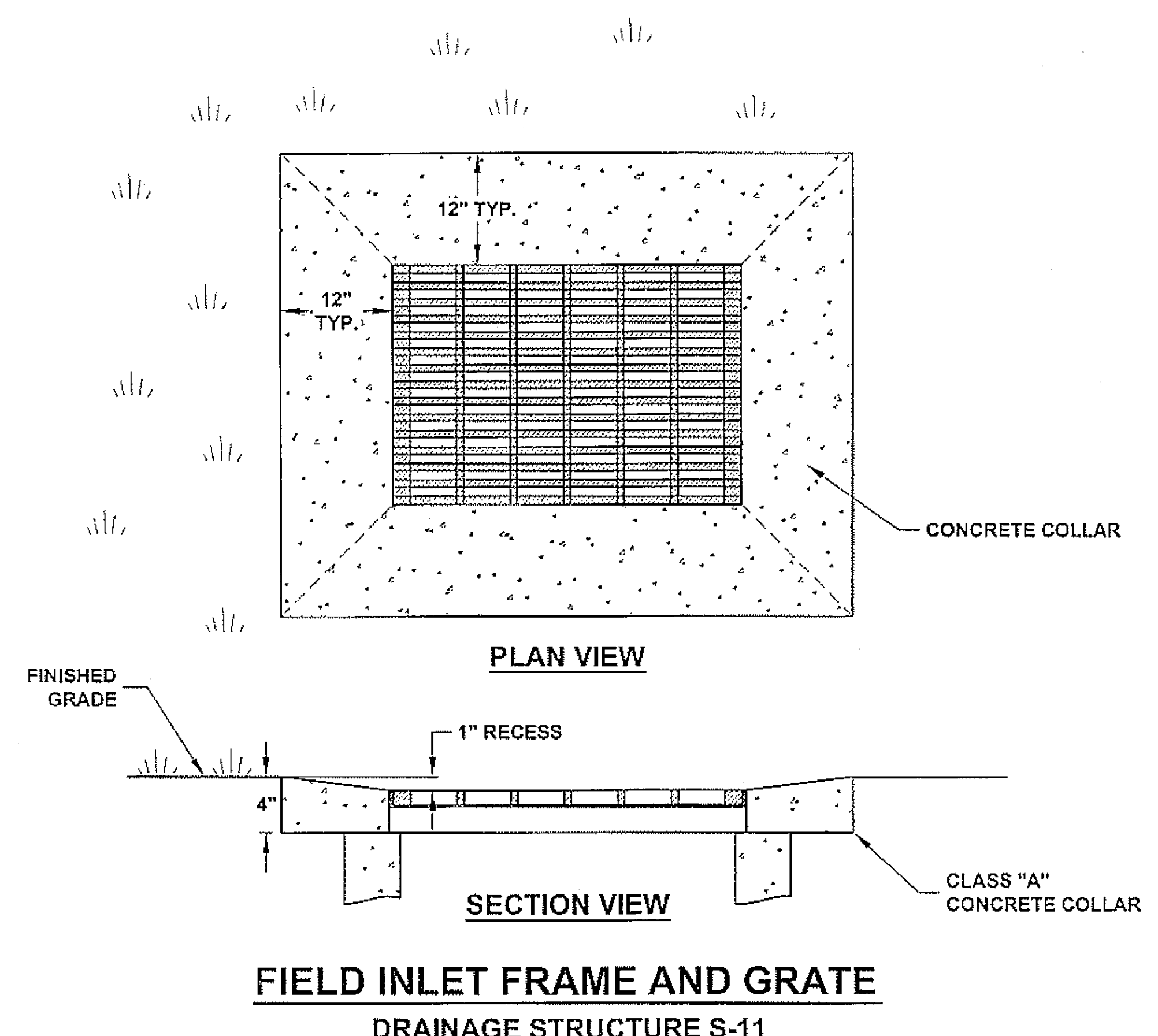
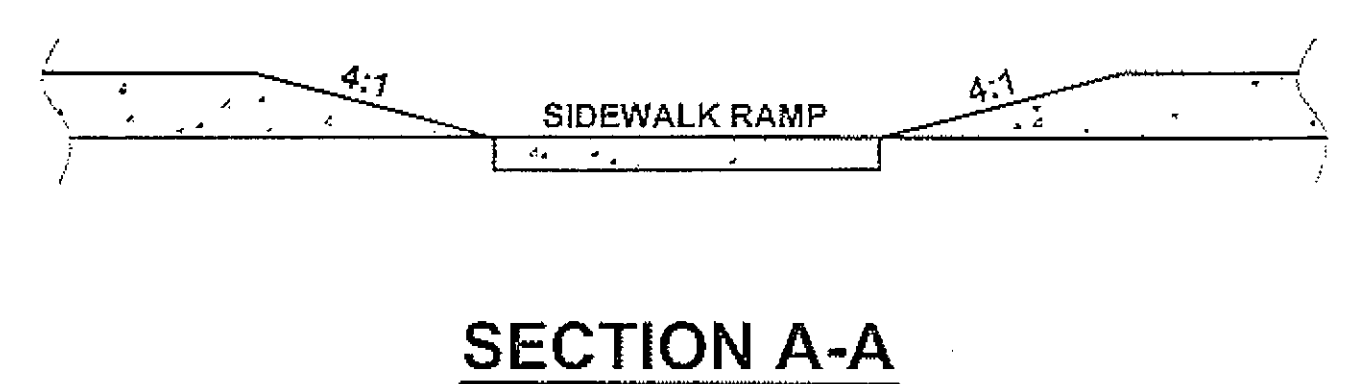
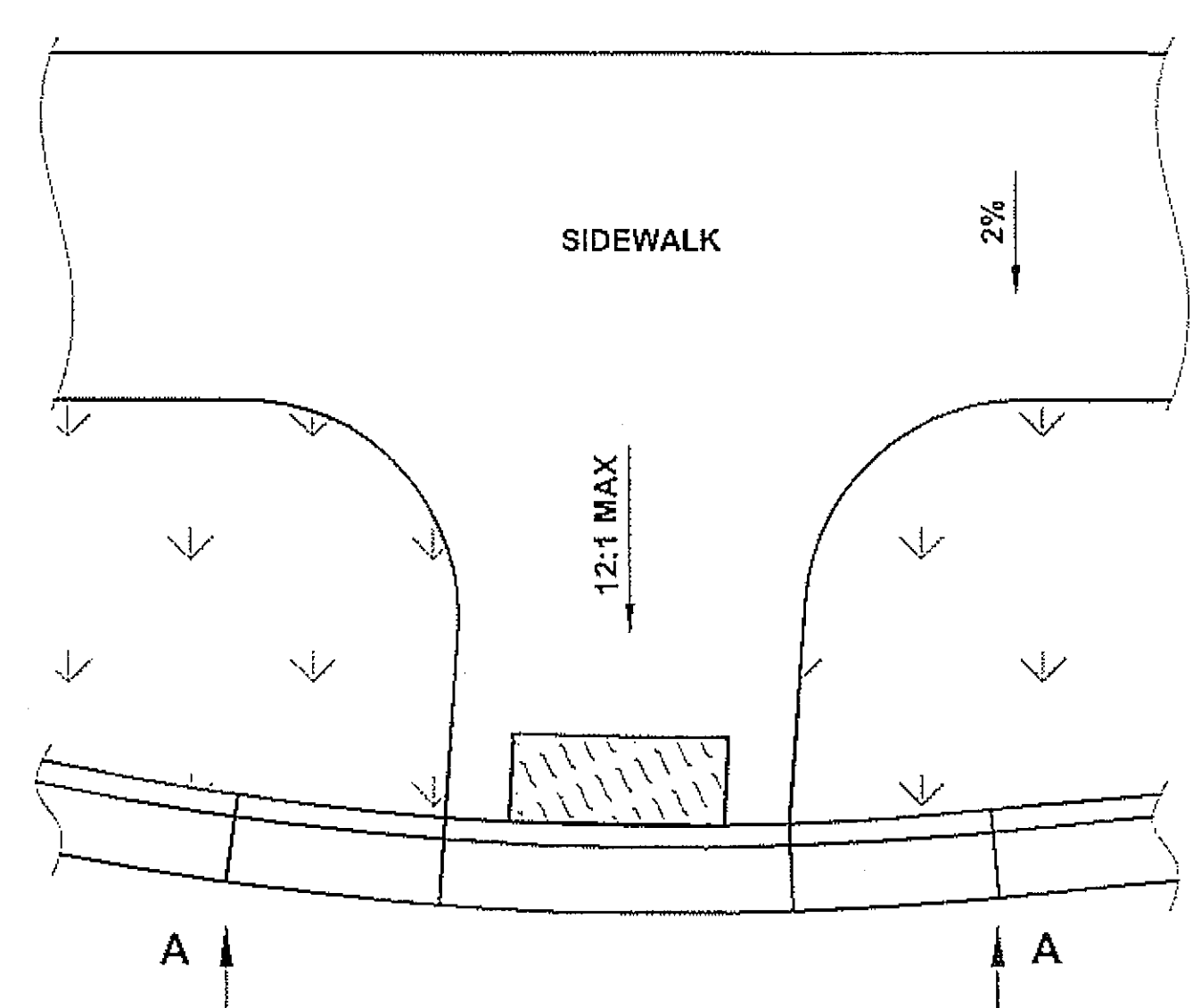
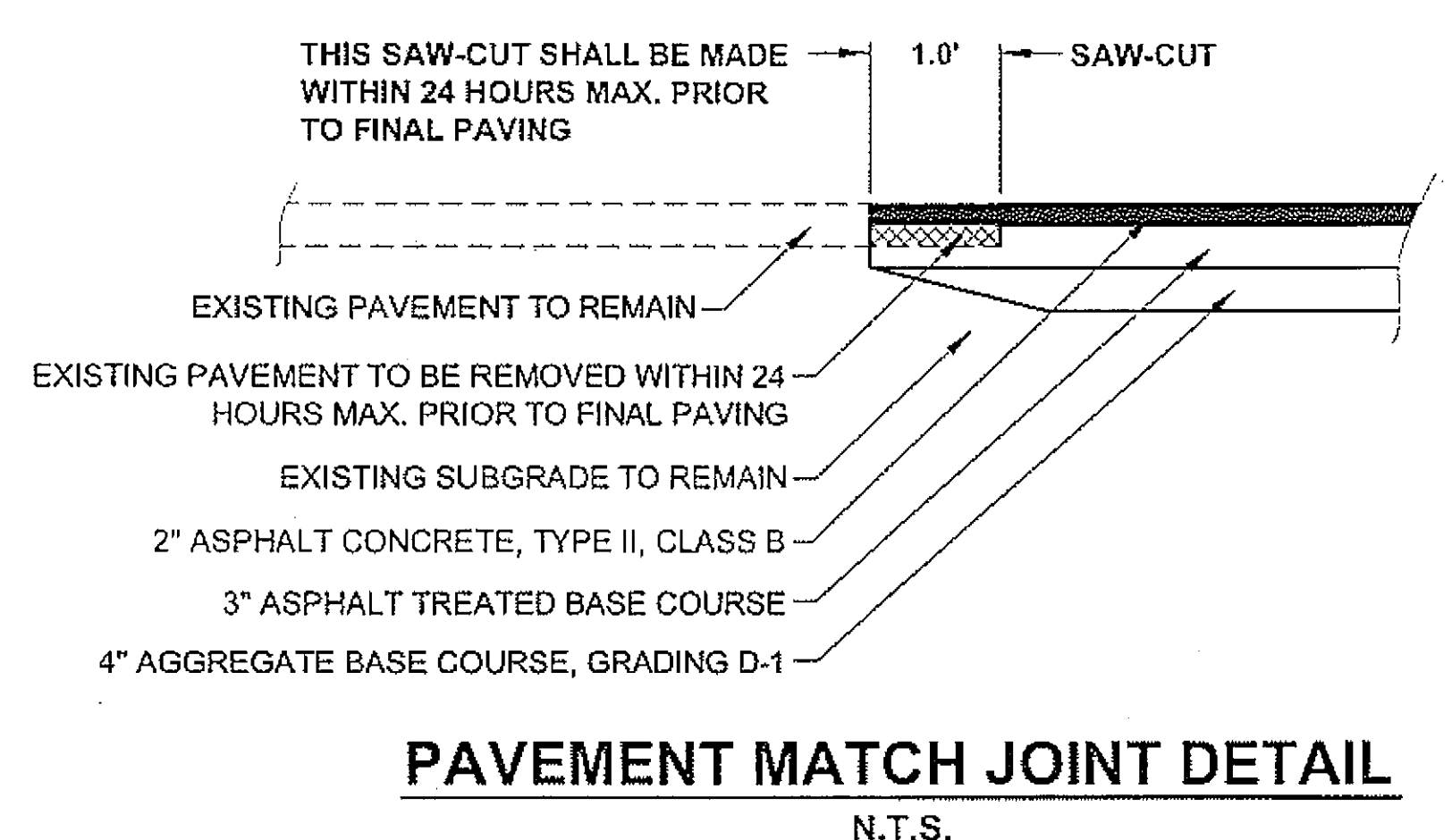
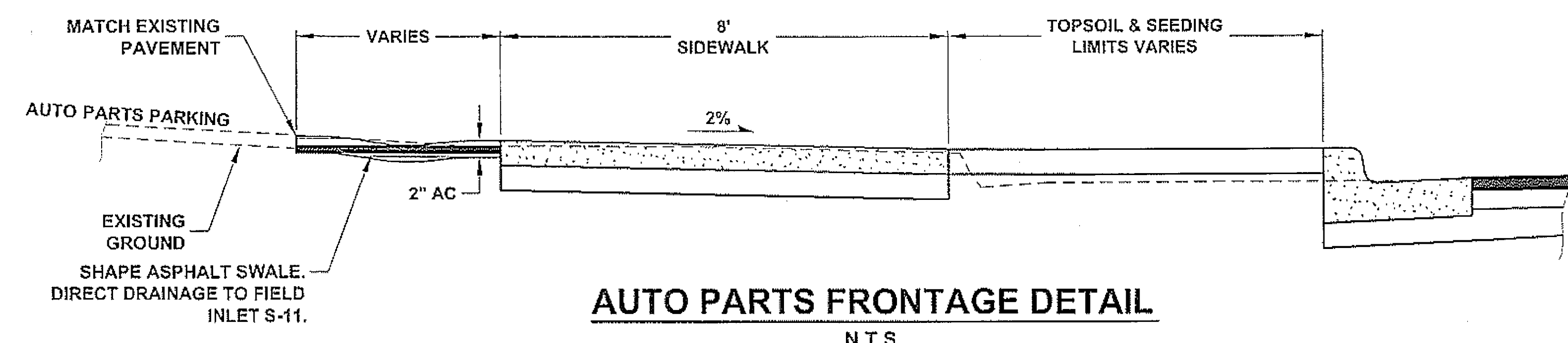
CHECKED BY: C. HOWARD		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDBABOUT	
DESIGNED BY: C. IVANISZEK / D. LESTER		SAWMILL CREEK ROAD DRAINAGE PROFILE	
DRAWN BY: W.H. / R.S.			
PATH: Q:\SIT\68943\PLANSET\68943_H1-H3_DRAINAGE.DWG			
TAB: H2 Tuesday, February 24, 2009 9:01:23 AM		WILSON, BRIAN G (DOT)	
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	NO.
		ACHHE-000S(549)- PROJECT #68943	2009
		SHEET	TOTAL
		H2	SHEETS
			57



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date 8-26-09

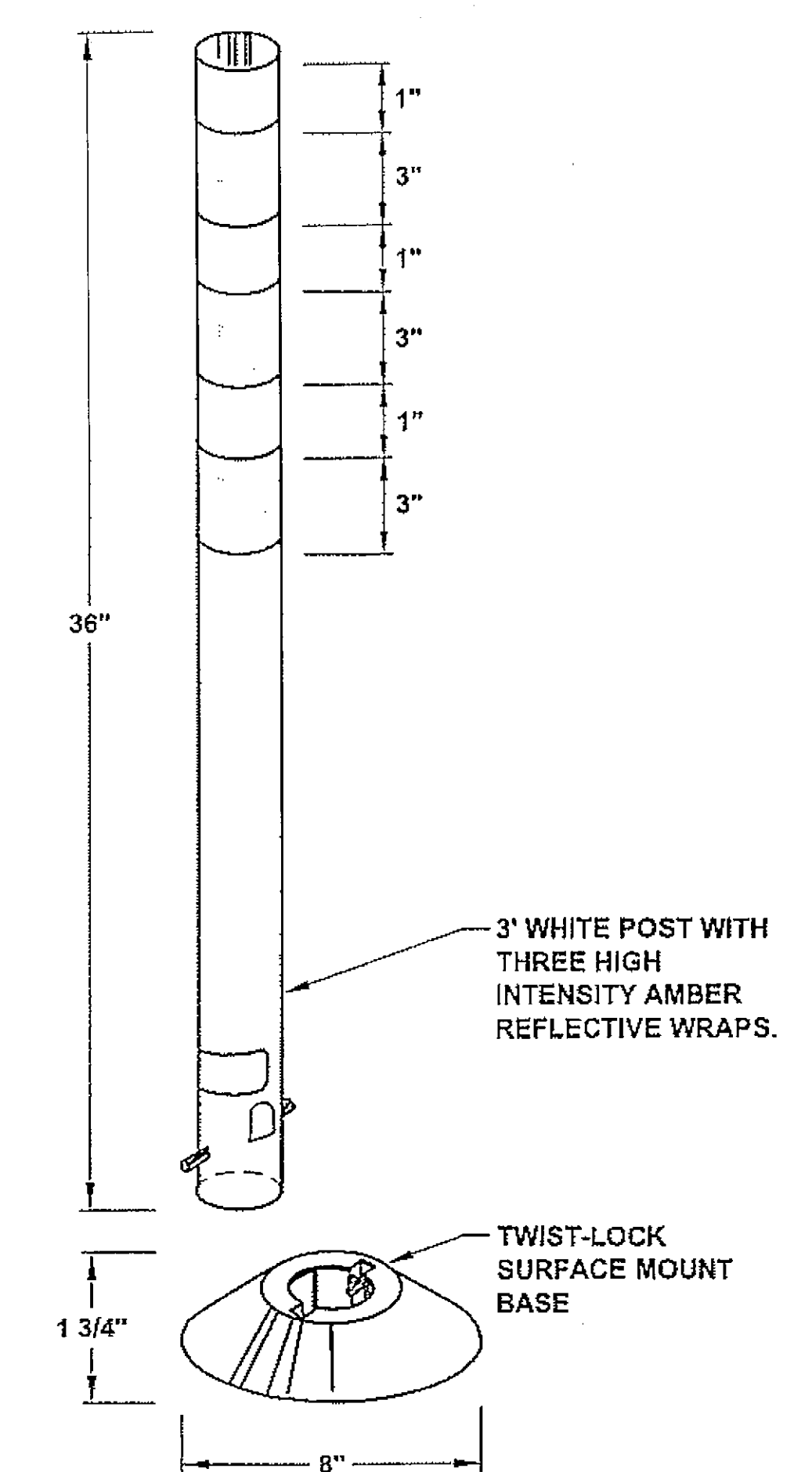
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD  DESIGNED BY: C. IVANISZEK / D. LESTER DRAWN BY: W.H. / R.S.		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT HALIBUT POINT ROAD DRAINAGE PROFILE														
PATH: Q:\SIT\68943\PLANS\SET\68943_H1-H3_DRAINAGE.DWG TAB: H3 Monday, February 23, 2009 1:27:29 PM WILSON, BRIAN G (DOT)		PROJECT DESIGNATION ACHHE-000S(549)~ PROJECT #68943														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">NO.</th> <th style="text-align: left;">DATE</th> <th style="text-align: left;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	DESCRIPTION							<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">YEAR</th> <th style="text-align: left;">SHEET NO.</th> <th style="text-align: left;">TOTAL SHEETS</th> </tr> <tr> <td>2009</td> <td>H3</td> <td>57</td> </tr> </table>	YEAR	SHEET NO.	TOTAL SHEETS	2009	H3	57
NO.	DATE	DESCRIPTION														
YEAR	SHEET NO.	TOTAL SHEETS														
2009	H3	57														



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng. *[Signature]* Date 8-26-09



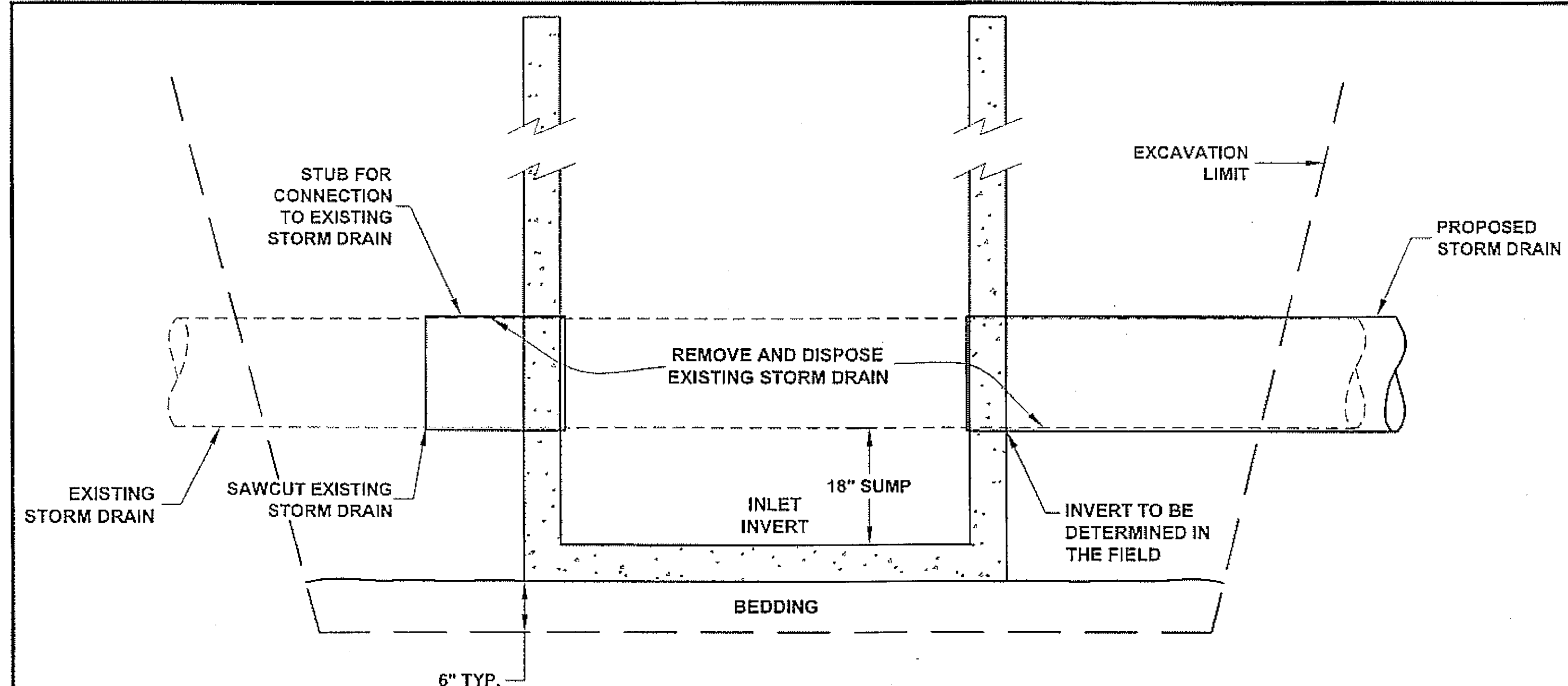
FLEXIBLE DELINEATOR DETAIL

N.T.S.

NOTE:
DELINEATORS SHALL BE WHITE IN COLOR, AND SHALL HAVE YELLOW REFLECTIVE SHEETING.

- SIDEWALK, CURB AND GUTTER NOTES:**
1. CONCRETE SIDEWALK, CURB AND GUTTER EXPANSION JOINTS SHALL BE AT EACH END OF CURB RETURNS AND IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB CUTS. THEREAFTER, THEY SHALL BE PLACED AT 30' MAXIMUM.
 2. CONCRETE SIDEWALK DUMMY JOINTS SHALL EXTEND INTO CONCRETE 1" DEPTH AND 1/8" WIDE AT 5' MAXIMUM INTERVALS BETWEEN EXPANSION JOINTS.
 3. WHERE THE ROADWAY IS SUPERELEVATED THE GUTTER PAN ON THE HIGH SIDE OF THE ROADWAY SHALL MATCH THE SLOPE OF THE ROADWAY AND DRAIN TOWARD THE CENTER OF THE ROADWAY.
 4. REFERENCE STANDARD DRAWING I-20.13 FOR ADDITIONAL DETAILS.
- DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

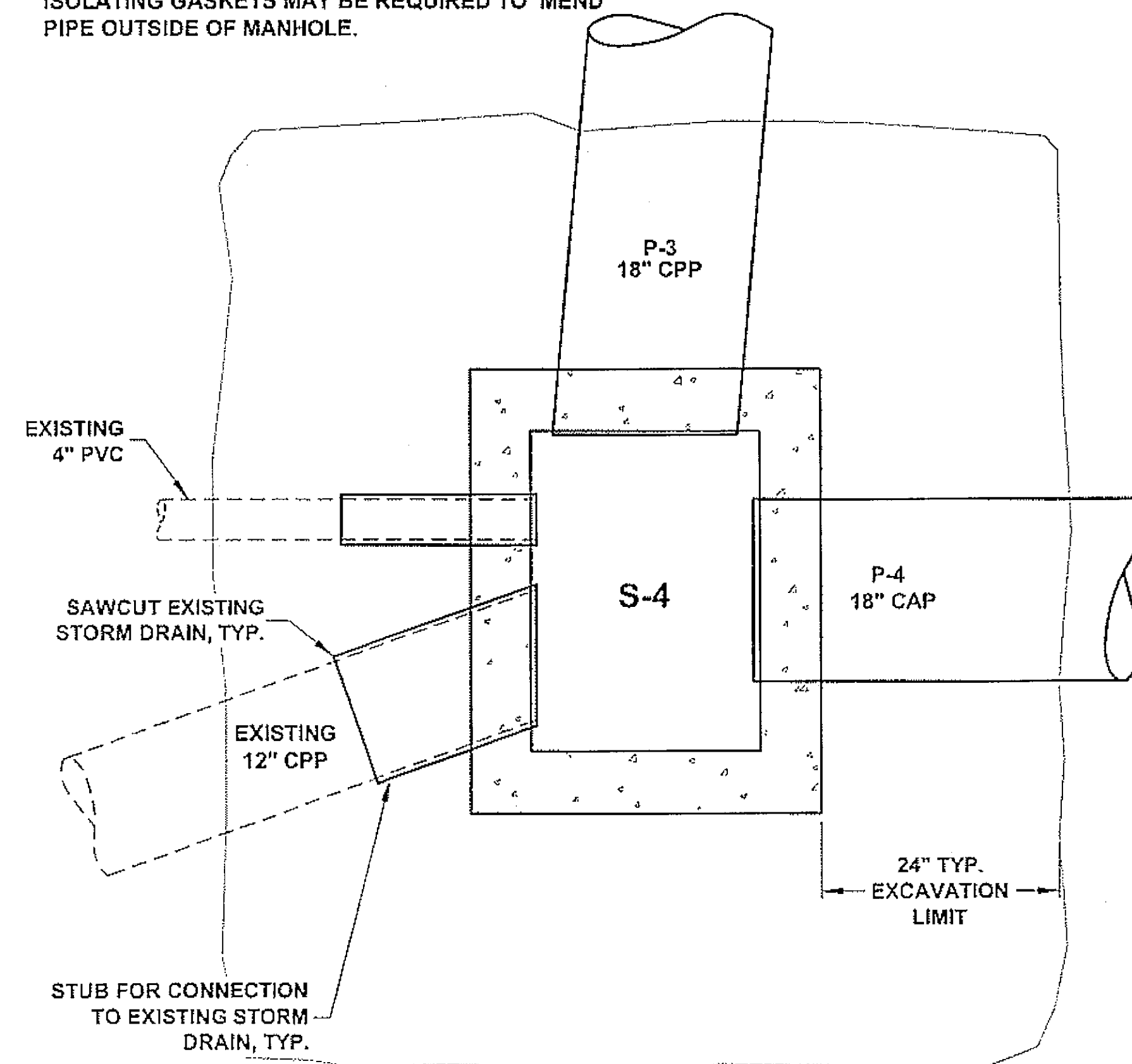
CHECKED BY: C. HOWARD 2-24-09 DESIGNED BY: C. IVANISZEK / D. LESTER DRAWN BY: W.H. / R.S. PATH: Q:\SIT168943\PLANSET\68943_J1-J2_DETAILS.DWG TAB: J1 Monday, February 23, 2009 1:27:44 PM WILSON, BRIAN G (DOT)		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT MISCELLANEOUS DETAILS		
PROJECT DESIGNATION ACHHE-000S(549)-PROJECT #68943		YEAR 2009	SHEET NO. J1	TOTAL SHEETS 57



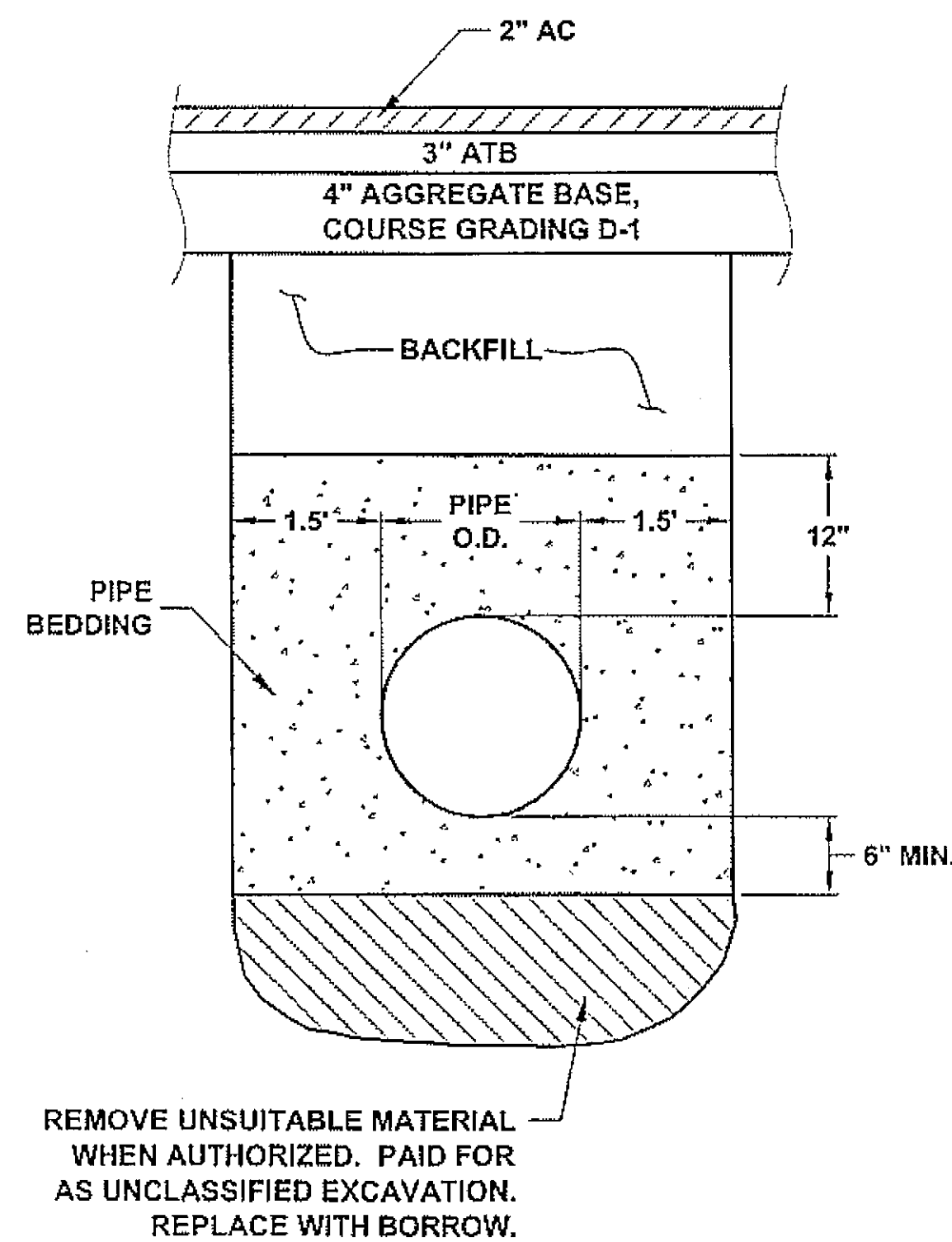
**INSTALLATION OF INLET IN
EXISTING STORM DRAIN DETAIL**
S-7, S-9, S-10, & S-14
N.T.S.

STORM DRAIN / FIELD INLET NOTES

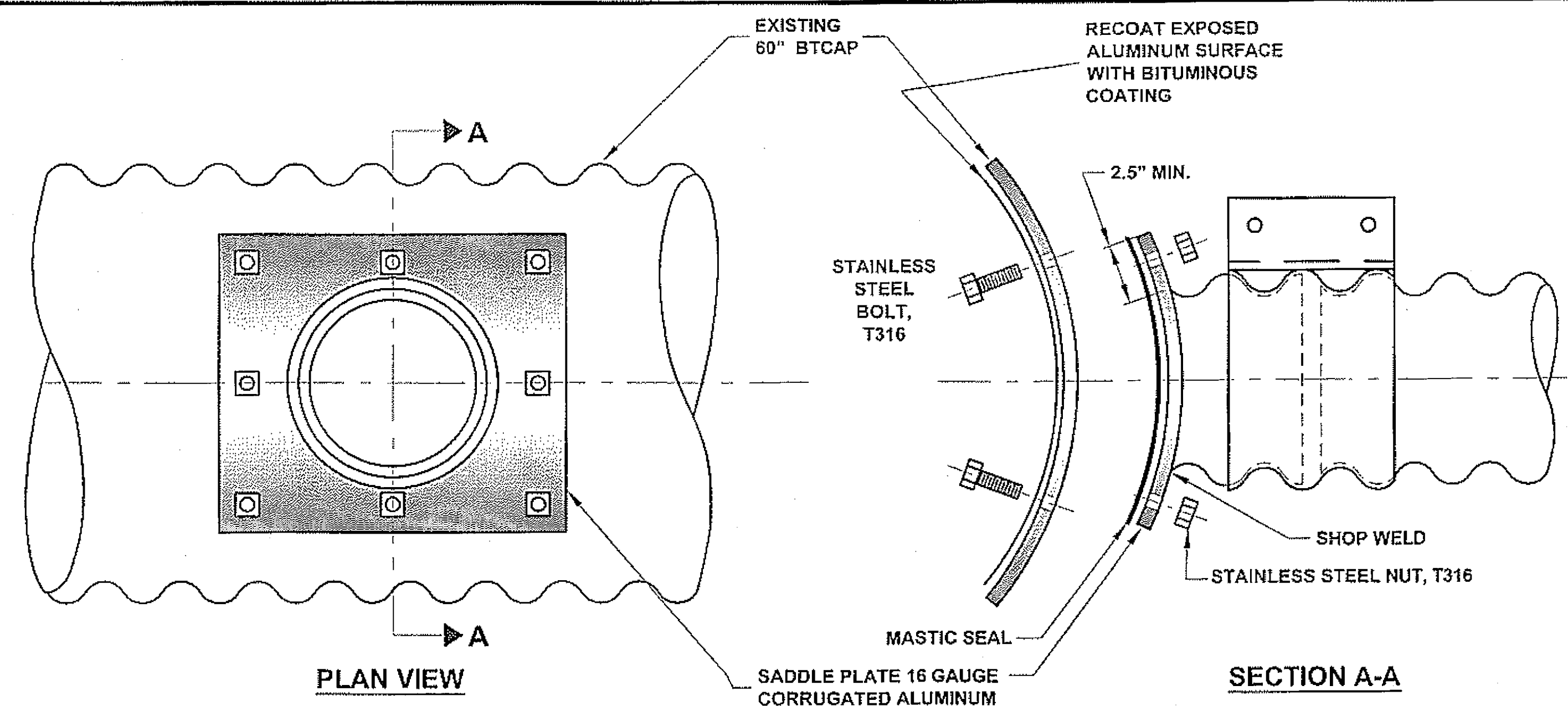
1. LOCATE EXISTING STORM DRAIN CULVERT.
2. CUTBACK SUFFICIENT AMOUNT OF EXISTING PIPE TO INSTALL NEW INLET.
3. CONNECT EXISTING PIPE TO NEW MANHOLE. ISOLATING GASKETS MAY BE REQUIRED TO MEND PIPE OUTSIDE OF MANHOLE.



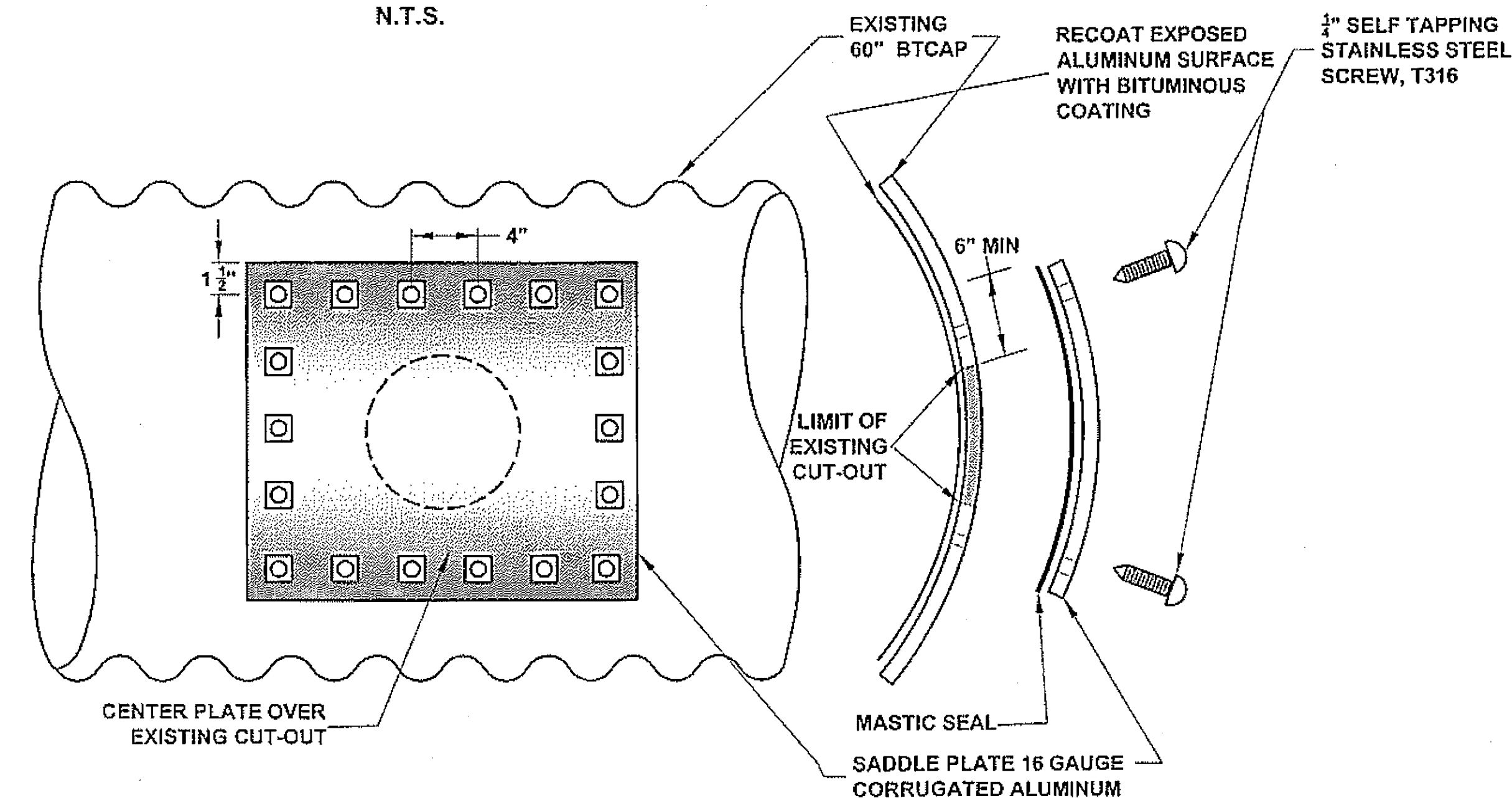
S-4 FIELD INLET DETAIL
N.T.S.



STORM DRAIN BEDDING/BACKFILL DETAIL
N.T.S.



SADDLE CONNECTION DETAIL
N.T.S.



SADDLE PLATE SEAL
SEE SECTION 202 OF THE SPECIAL PROVISIONS

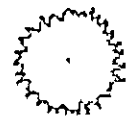
**SADDLE CONNECTION & SEAL
PLATE NOTES:**

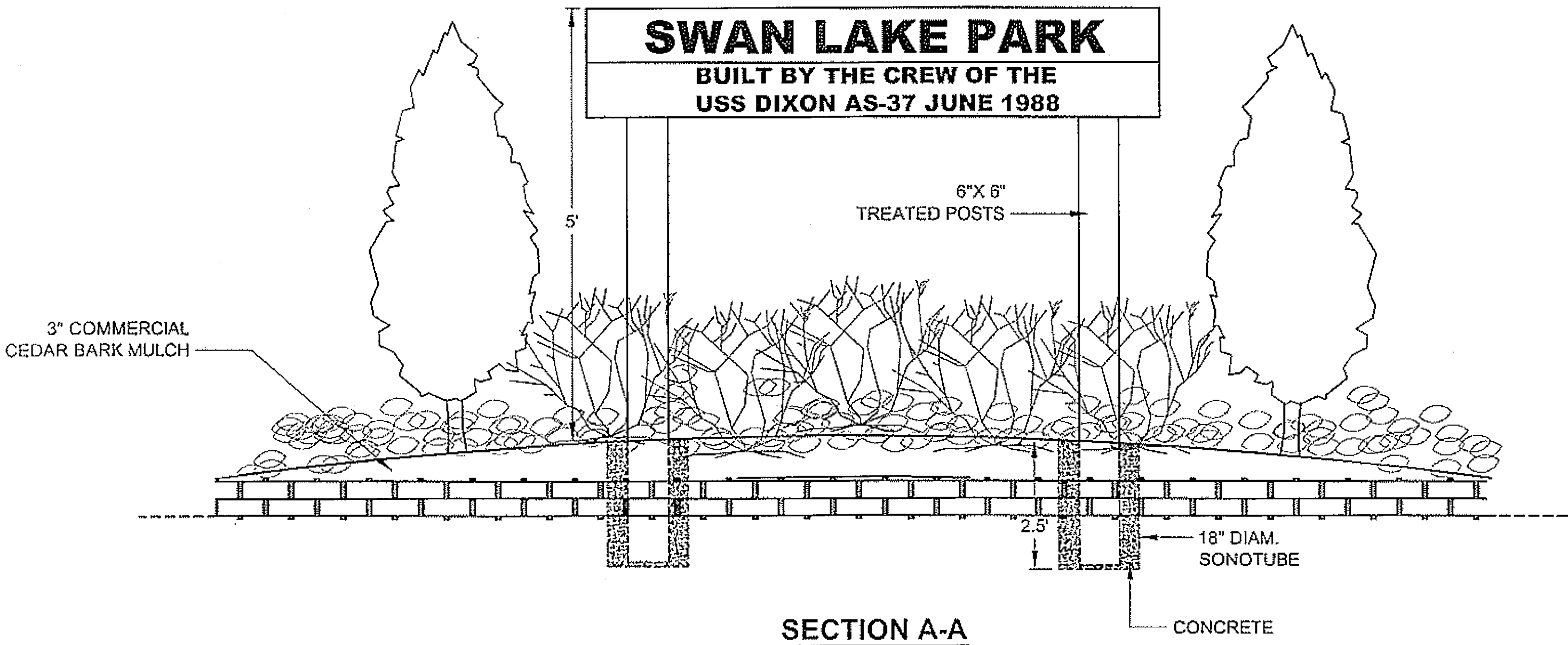
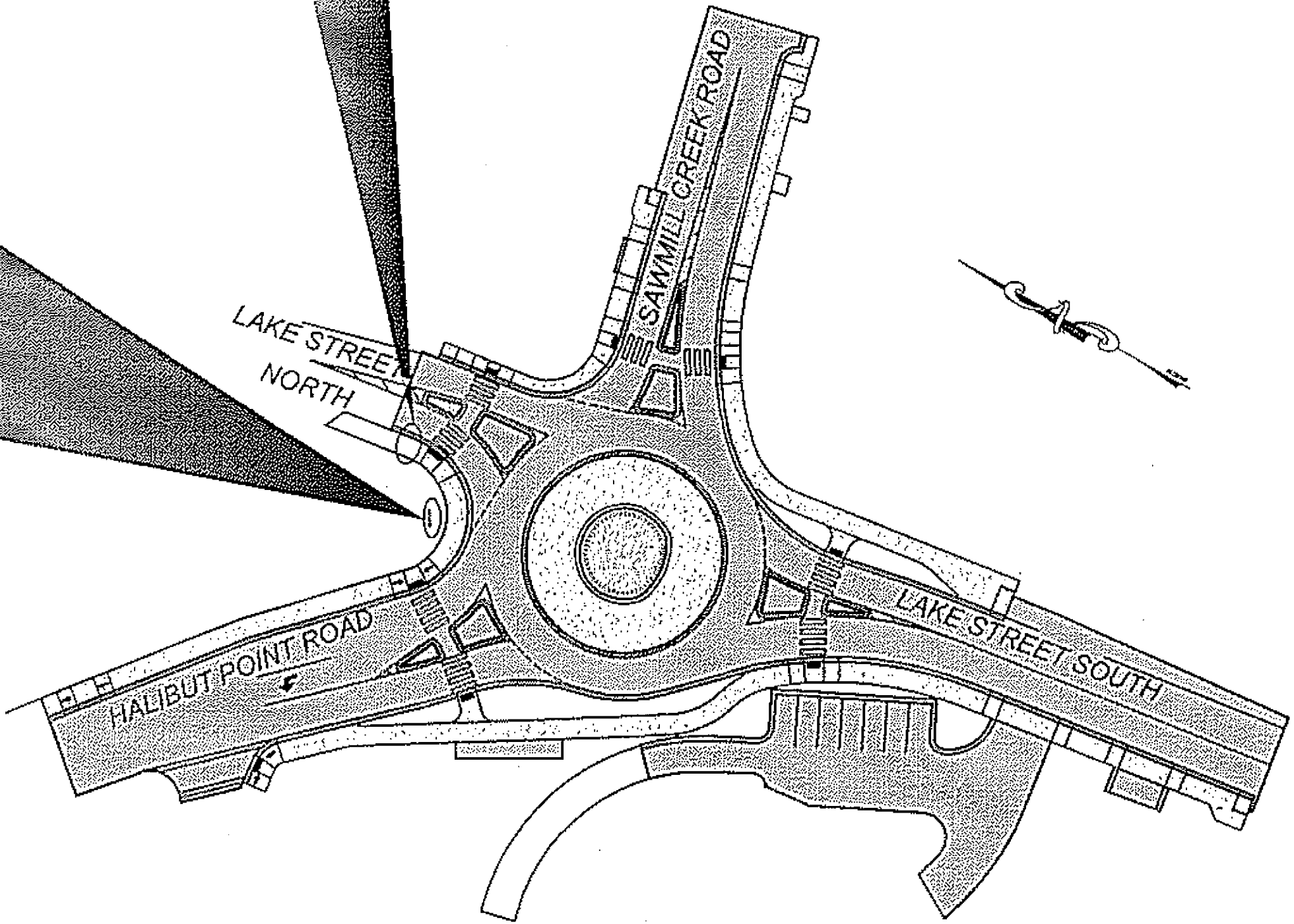
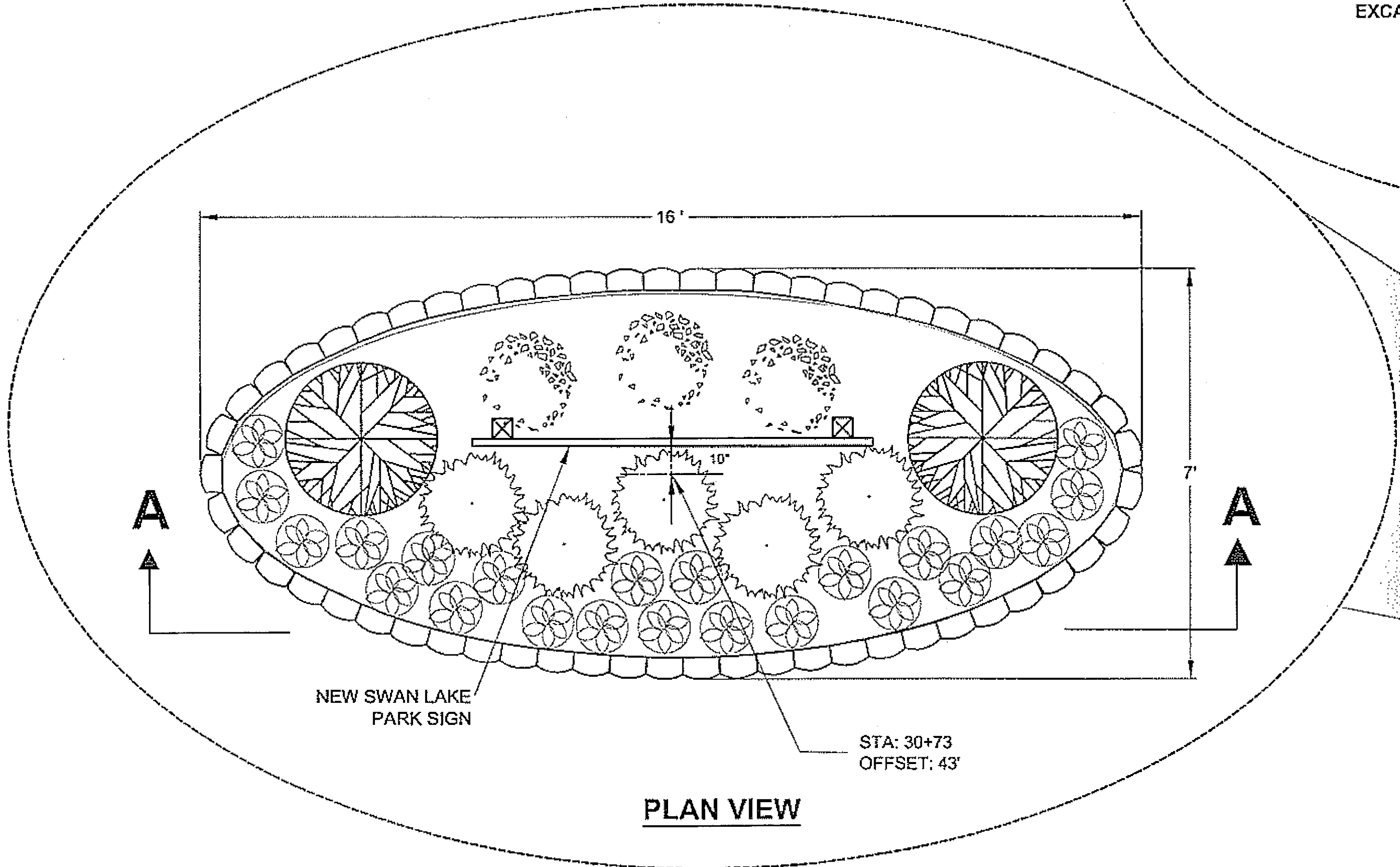
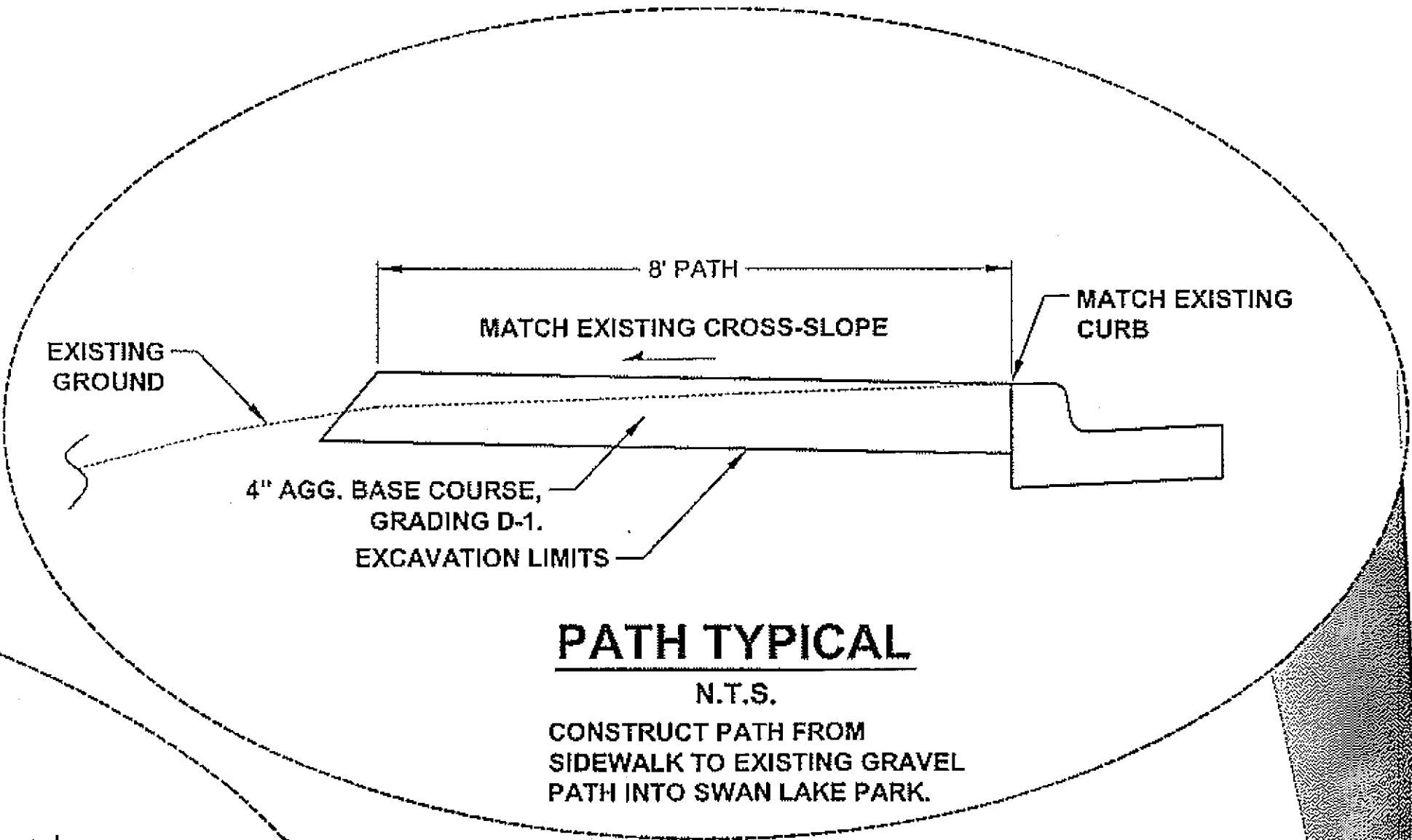
- WHEN DIRECTED BY THE ENGINEER, REMOVE EXCESSIVELY CORRODED ALUMINUM FROM AROUND THE EXISTING CUTOUT, AND SEAL WITH AN APPROPRIATELY SIZED PLATE WITH THE OVERLAP AS DETAILED.
- REMOVE ANY EXCESSIVE CORROSION FROM AREAS DESIGNATED TO RECEIVE A SADDLE PLATE BY NON-DESTRUCTIVE MEANS.
- RECOAT ALL CONTRACTOR DAMAGED BITUMINOUS COATING.
- MASTIC SEAL SHALL COMPLETELY FILL CORRUGATIONS BETWEEN THE EXISTING BTCAP AND THE SADDLE PLATE.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD 2-24-09 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION							
DESIGNED BY: C. IVANISZEK / D. LESTER DRAWN BY: W.H. / R.S.		PROJECT DESIGNATION SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT							
PATH: Q:\SIT\68943\PLANSET\68943_J1-J2_DETAILS.DWG TAB: J2 Tuesday, February 24, 2009 9:05:43 AM		WILSON, BRIAN G.(DOT)							
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NO.	DATE	DESCRIPTION							
YEAR 2009		SHEET NO. J2	TOTAL SHEETS 57						

LEGEND	
	PINUS GLAUCA VAR ALBERTIANA "CONICA" MINIMUM HEIGHT = 4' QUANTITY = 2
	BERBERIS THUNBERGII "CRIMSON PYGMY" SIZE = 2 GALLON QUANTITY = 5
	CORNEUS ALBA "AUREA" SIZE = 2 GALLON QUANTITY = 3
	ASTIBLE ARENDSII "FANAL" SIZE = 1 GALLON QUANTITY = 23



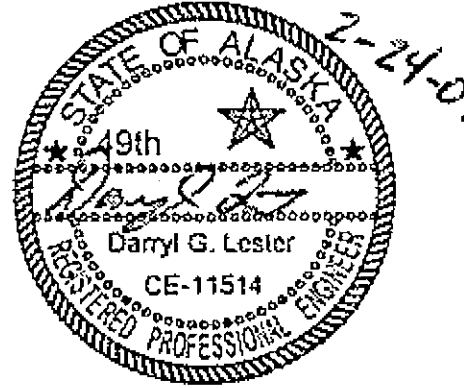
SIGN & LANDSCAPING

- NOTES:**
1. ORIGINAL PARK SIGN SHALL BE REPLACED WITH AN IDENTICAL SIGN CONSISTING OF THE SAME SIZE, LAYOUT, TEXT, LETTERING STYLE, AND COLOR USING ROUTED RECYCLED PLASTIC MATERIAL.
 2. EXISTING SIGN CONSISTS OF TWO 2" X 8" X 7' ROUTED PLANKS MOUNTED ON TWO 6" X 6" POSTS.
 3. TOP THE PLANTING BED WITH 3" COMMERCIAL CEDAR BARK MULCH ON TOP OF 6" TOP SOIL. KEEP MULCH 4" AWAY FROM BASE OF EACH SHRUB/TREE. SLIGHTLY DOME THE PLANTING BED FOR DRAINAGE.
 4. FOLLOW MANUFACTURER RECOMMENDATIONS FOR MOUNTING.
 5. CONTACT SHAWN MCLEOD, CITY AND BOUROUGH OF SITKA HEAD GROUNDSKEEPER, AT 907-738-3618 ONE WEEK PRIOR TO WORKING IN THE AREA AROUND THE EXISTING SIGN TO ALLOW FOR THE RELOCATION OF THE SURROUNDING PLANTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR RELOCATING THE RHODODENDRON. SEE SHEET K2.
 6. THE NEW SIGN LOCATION SHALL BE VERIFIED WITH SHAWN MCLEOD.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Eng. *[Signature]* Date 8-26-09

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CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION																	
	SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDAOUT																	
DESIGNED BY: C. IVANISZEK / D. LESTER	LANDSCAPING DETAILS																	
DRAWN BY: W.H. / R.S.																		
PATH: Q:\SIT\68943\PLANSET\68943_K1-K2_LANDSCAPE DETS.DWG TAB: K1 Tuesday, February 24, 2009 9:09:25 AM WILSON, BRIAN G (DOT)																		
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REVISIONS			PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943	YEAR 2009					SHEET NO. K1	TOTAL SHEETS 57								
NO.	DATE	DESCRIPTION																

LEGEND



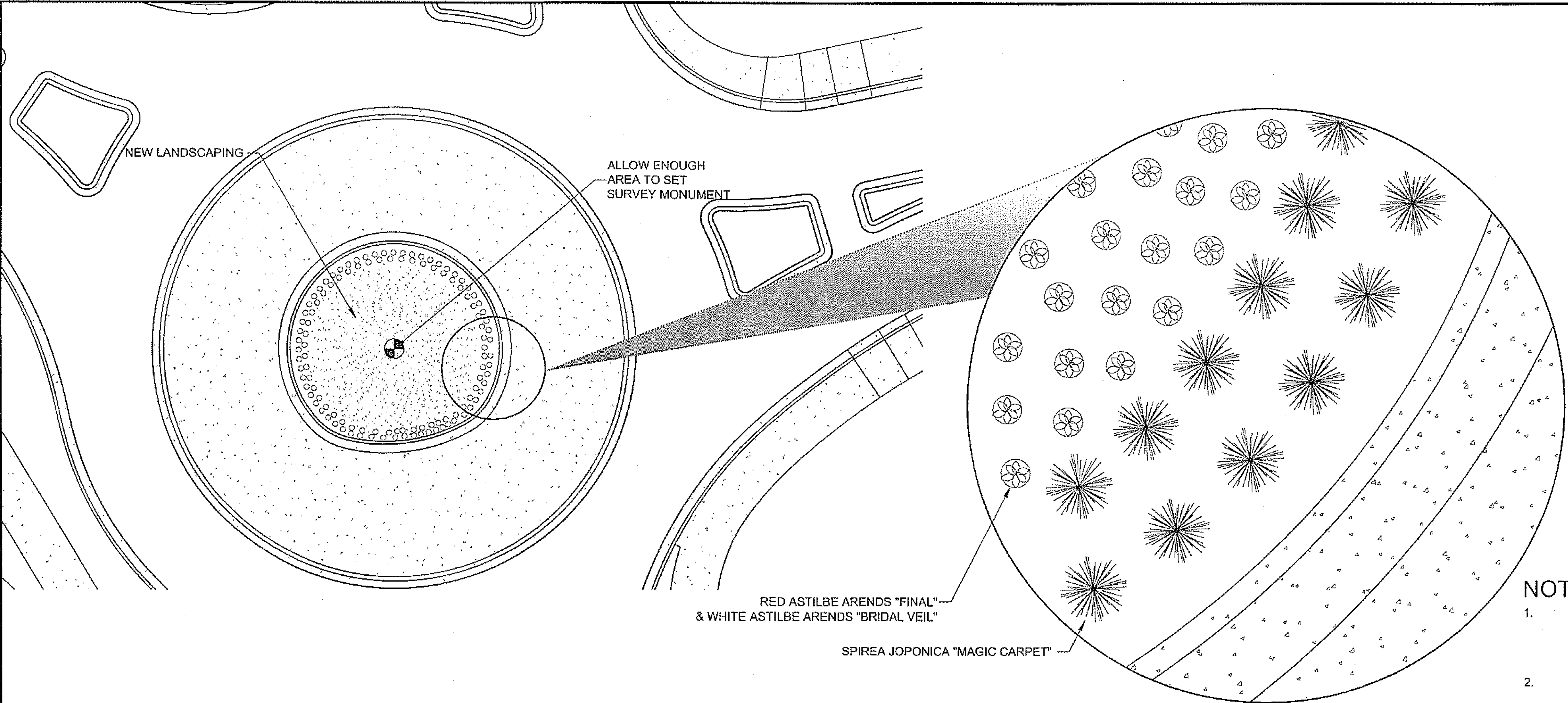
ASTILBE 18" O.C.
SIZE = 1 GALLON
QUANTITY = 328 RED ASTILBE ARENDS "FANAL"
QUANTITY = 82 WHITE ASTILBE ARENDS "BRIDAL VEIL"



SPIREA JAPONICA "MAGIC CARPET" 2' O.C.
SIZE = 2 GALLON
QUANTITY = 106
ALTERNATING OR STAGGERED 1' FROM BACK OF CURB

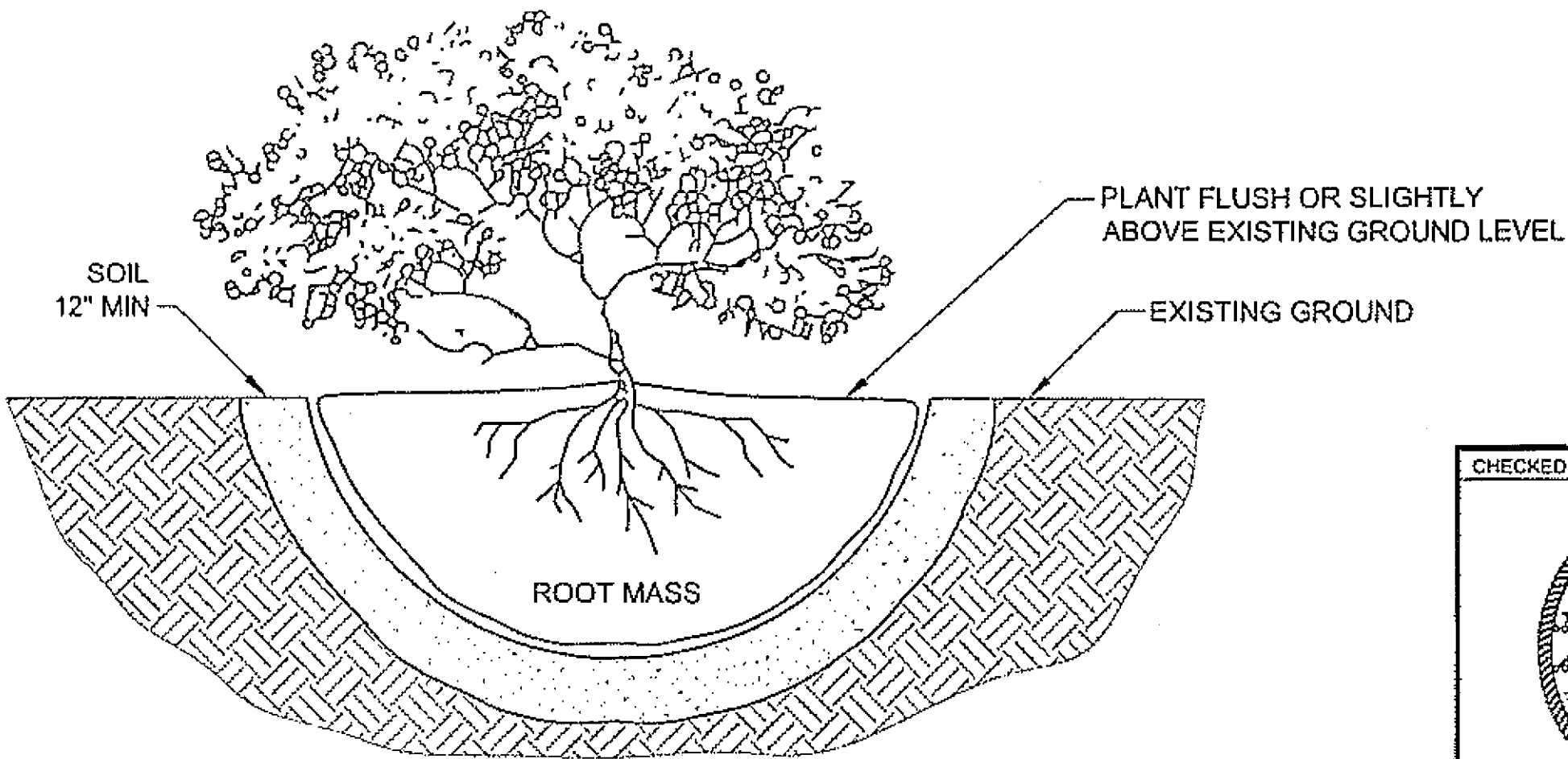
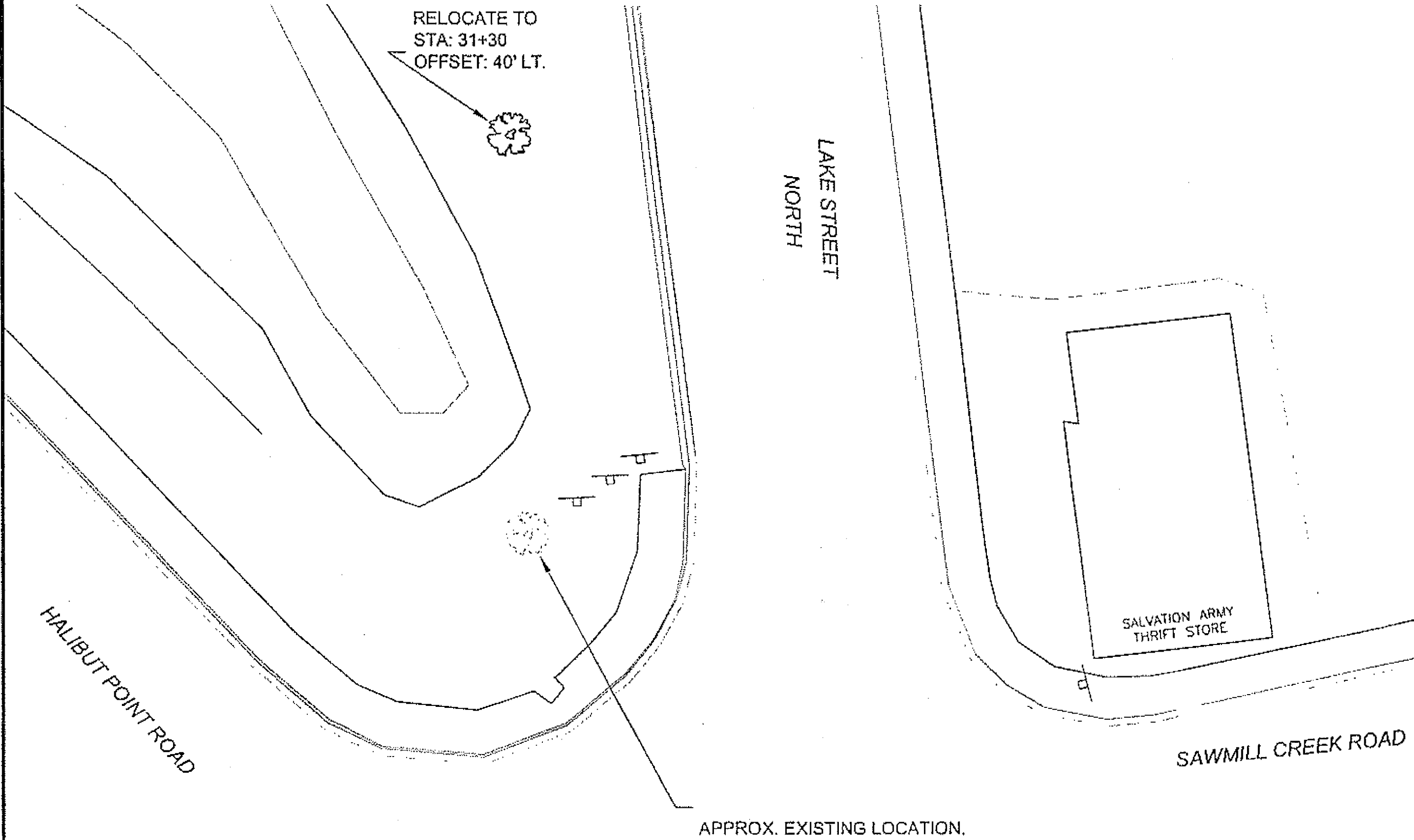
NOTES:

1. VERIFY NEW LOCATION FOR RHODODENDRON WITH SHAWN MCLEOD PRIOR TO EXTRACTION. ALLOW ONE WEEK NOTICE BEFORE BEGINING RELOCATION ACTIVITIES. FOLLOW SHAWN MCLEOD'S RECOMMENDATIONS.
2. EXTRACT THE ROOTMASS, INCLUSIVE WITH ROOTS AND SOIL. A TYPICAL RHODODENDRON THIS SIZE WILL HAVE A ROOT MASS AT LEAST 5' DIAMETER AND 2 1/2' DEEP. ACTUAL ROOT MASS WILL BE UNDETERMINED DURING EXTRACTION.
3. WRAP AND SECURE BRANCHES WITH FABRIC AND ROPE PRIOR TO EXTRACTION AND REPLANTING.
4. PRPARED HOLE SIZE FOR REPLANTING SHALL BE DETERMINED BY THE SIZE OF THE ROOT MASS. 12" MINIMUM OF SOIL SHALL SURROUND THE ROOT MASS.
5. REPLANT SO THE CROWN OF THE ROOT MASS IS FLUSH WITH OR SLIGHTLY ABOVE THE ADJACENT GROUND AND THE TRUNK FLARE IS ABOVE THE SOIL.



PLAN VIEW

ROUNABOUT LANDSCAPING

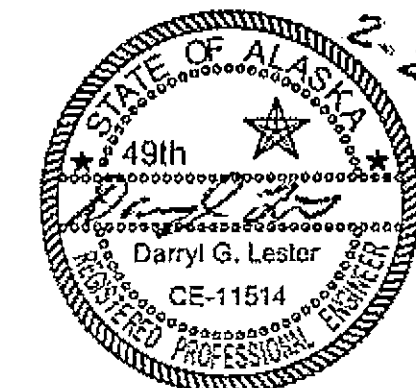


PLAN VIEW

RHODODENDRON TRANSPLANT

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng.  Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD

DESIGNED BY: C. IVANISZEK / D. LESTER
DRAWN BY: W.H. / R.S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
SITKA - SAWMILL CREEK ROAD
HALIBUT POINT ROAD
ROUNABOUT
LANDSCAPING
DETAILS

PATH: Q:\SIT168943\PLANS\SET168943_K1-K2_LANDSCAPE DETS.DWG
TAB: K2 Tuesday, February 24, 2009 9:10:50 AM WILSON, BRIAN G (DOT)

REVISIONS			PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943	YEAR 2009	SHEET NO. K2	TOTAL SHEETS 57
NO.	DATE	DESCRIPTION				

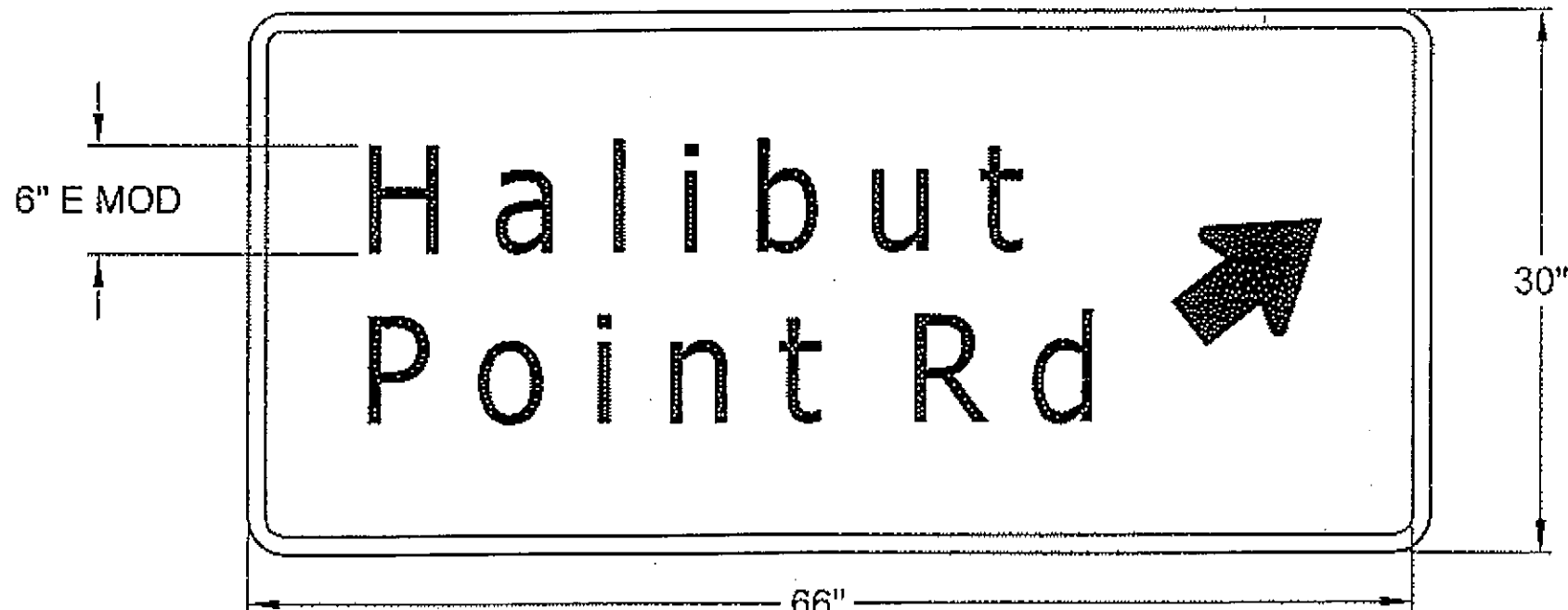
615 (1) STANDARD SIGN SUMMARY

SIGN NO.	STATION	OFFSET		ASDS CODE	LEGEND	FACING	HEIGHT (IN)	WIDTH (IN)	AREA (SQ FT)	POST			REMARKS
		L	R							NO.	SIZE (IN)	TYPE	
1	10+14	9		R6-1R	ONE WAY	NB	12	36	3.00	1	2	PST	
2	10+62		10	D1-601	LAKE ST	SB	18	66	8.25	2	2	PST	SEE SIGN DETAIL
3													
4	10+67	26		R1-2	YIELD	NB	31.2	36	3.90	1	2	PST	MOUNT ON LIGHT POLE
5	10+91	23		W11-2	PED CROSSING	NB	36	36	9.00	1	2.5	PST	
6	10+69		44	W11-2	PED CROSSING	SB	36	36	9.00	1	2.5	PST	MOUNT ON LIGHT POLE
7	10+90		3	R4-7	KEEP RIGHT	NB	30	24	5.00	1	2.5	PST	
8	10+90		3	OM-1	OBJECT MARKER	NB	18	18	2.25	-	-	-	MOUNT BELOW SIGN 7
9	11+58	33		D11-1	BIKES OK	NB	30	24	5.00	1	2.5	PST	
10													
11	12+50	31		W2-6	ROUNDAABOUT AHEAD	NB	36	36	9.00	1	2	PST	
12	12+50	31		W13-1	15 MPH	NB	24	24	4.00	-	-	-	MOUNT BELOW SIGN 11
13	20+14	8		R6-1R	ONE WAY	WB	12	36	3.00	1	2	PST	
14	20+62		8	D1-601	SAWMILL CREEK RD	EB	30	72	15.00	2	2	PST	SEE SIGN DETAIL
15	20+61	2		R1-2	YIELD	WB	31.2	36	3.90	1	2.5	PST	
16	20+69	34		R1-2	YIELD	WB	31.2	36	3.90				MOUNT ON LIGHT POLE
17	20+88	24		W11-2	PED CROSSING	WB	36	36	9.00				MOUNT ON POWER POLE
18	20+71		39	W11-2	PED CROSSING	EB	36	36	9.00	1	2.5	PST	MOUNT ON LIGHT POLE
19	20+89		2.5	R4-7	KEEP RIGHT	WB	30	24	5.00	1	2.5	PST	
20	20+89		2.5	OM-1	OBJECT MARKER	WB	18	18	2.25	-	-	-	MOUNT BELOW SIGN 19
21	21+37		28	W11-1	BIKE CROSSING	EB	36	36	9.00	1	2.5	PST	
22	21+39	27		D11-1	BIKES OK	WB	30	24	5.00	1	2.5	PST	
23													
24	22+41	28		W2-6	ROUNDAABOUT AHEAD	WB	36	36	9.00	1	2	PST	
25	22+41	24		W13-1	15 MPH	WB	24	24	4.00	-	-	-	MOUNT BELOW SIGN 24
26	30+16	7		R6-1R	ONE WAY	SB	12	36	3.00	1	2	PST	
27	30+61		6	D1-601	LAKE ST	NB	18	66	8.25	2	2	PST	SEE SIGN DETAIL
28													
29	30+80	31		R1-2	YIELD	SB	31.2	36	3.90	1	2	PST	MOUNT ON LIGHT POLE
30	30+79		28	W11-2	PED CROSSING	NB	36	36	9.00	1	2.5	PST	
31	31+07	28		W11-2	PED CROSSING	SB	36	36	9.00	1	2.5	PST	
32	31+00	-		R4-7	KEEP RIGHT	SB	30	24	5.00	1	2.5	PST	
33	31+00	-		OM-1	OBJECT MARKER	SB	18	18	2.25	-	-	-	MOUNT BELOW SIGN 32
34	32+02	20		R7P-101L	NO PARKING ANY TIME	SB	18	12	1.50	1	2	PST	
35	32+62	20		W2-6	ROUNDAABOUT AHEAD	SB	36	36	9.00	1	2	PST	
36	32+62	20		W13-1	15 MPH	SB	24	24	4.00	-	-	-	MOUNT BELOW SIGN 35
37	40+14	7		R6-1R	ONE WAY	EB	12	36	3.00	1	2	PST	
38													
39	40+63	24		R1-2	YIELD	EB	31.2	36	3.90	1	2	PST	
40	40+75		41	W11-2	PED CROSSING	WB	36	36	9.00	1	2.5	PST	MOUNT ON LIGHT POLE
41	40+87	20		W11-2	PED CROSSING	EB	36	36	9.00	1	2.5	PST	
42	40+62		11	D1-601	HALIBUT POINT RD	WB	30	66	13.75	2	2	PST	SEE SIGN DETAIL
43	40+94		2.5	R4-7	KEEP RIGHT	EB	30	24	5.00	1	2.5	PST	
44	40+94		2.5	OM-1	OBJECT MARKER	EB	18	18	2.25	-	-	-	MOUNT BELOW SIGN 43
45	42+46	27		W2-6	ROUNDAABOUT AHEAD	SB	36	36	9.00	1	2	PST	
46	42+46	27		W13-1	20 MPH	SB	24	24	4.00	-	-	-	MOUNT BELOW SIGN 45

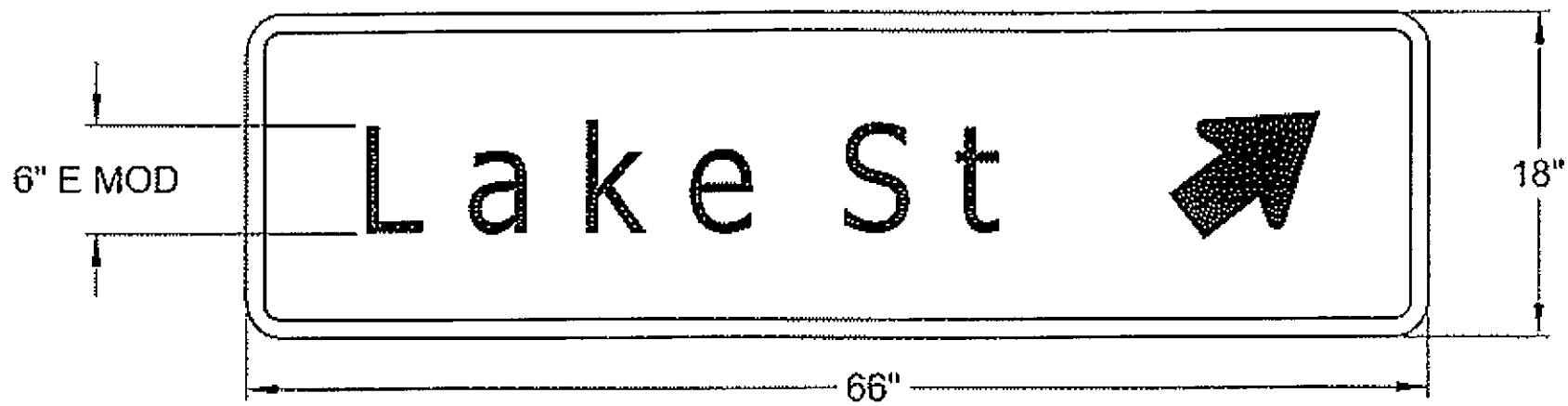
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SIGN 14



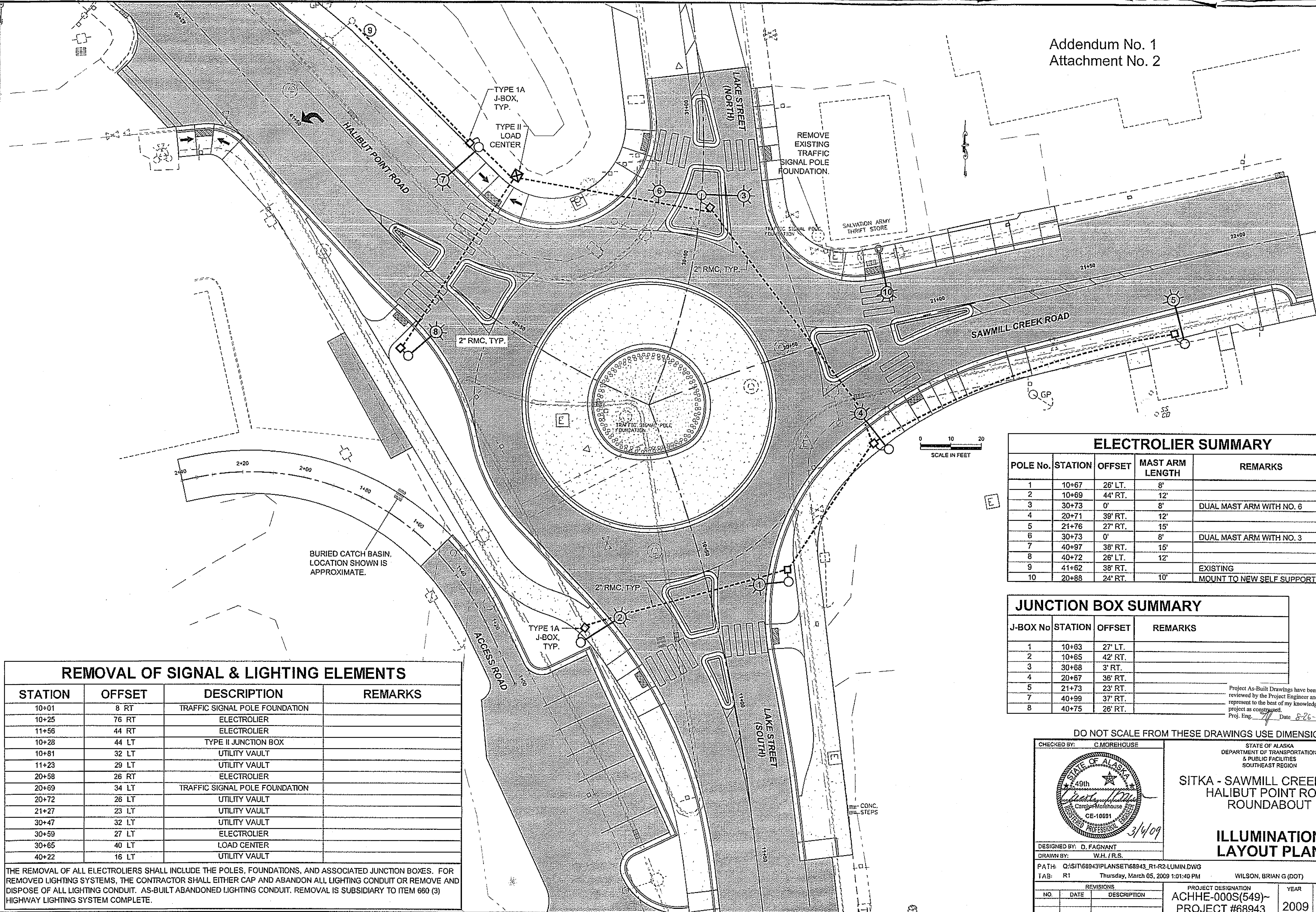
SIGN 42



SIGNS 2, 27

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 9-17-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS			
CHECKED BY: C. MOREHOUSE		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDAABOUT	
DESIGNED BY: D. FAGNANT		SIGN SUMMARY & DETAILS	
DRAWN BY: W.H./R.S.			
PATH: Q:\SIT\68943\PLANS\SET1\68943_P4-SIGNSUM.DWG		PROJECT DESIGNATION	
TAB: P3 Tuesday, February 24, 2009 3:25:43 PM		ACHHE-000S(549)- PROJECT #68943	
WILSON, BRIAN G (DOT)		YEAR	SHEET NO.
		2009	P3
		TOTAL SHEETS	57



REMOVAL OF SIGNAL & LIGHTING ELEMENTS			
STATION	OFFSET	DESCRIPTION	REMARKS
10+01	8 RT	TRAFFIC SIGNAL POLE FOUNDATION	
10+25	76 RT	ELECTROLIER	
11+56	44 RT	ELECTROLIER	
10+28	44 LT	TYPE II JUNCTION BOX	
10+81	32 LT	UTILITY VAULT	
11+23	29 LT	UTILITY VAULT	
20+58	26 RT	ELECTROLIER	
20+69	34 LT	TRAFFIC SIGNAL POLE FOUNDATION	
20+72	26 LT	UTILITY VAULT	
21+27	23 LT	UTILITY VAULT	
30+47	32 LT	UTILITY VAULT	
30+59	27 LT	ELECTROLIER	
30+65	40 LT	LOAD CENTER	
40+22	16 LT	UTILITY VAULT	

THE REMOVAL OF ALL ELECTROLIERS SHALL INCLUDE THE POLES, FOUNDATIONS, AND ASSOCIATED JUNCTION BOXES. FOR REMOVED LIGHTING SYSTEMS, THE CONTRACTOR SHALL EITHER CAP AND ABANDON ALL LIGHTING CONDUIT OR REMOVE AND DISPOSE OF ALL LIGHTING CONDUIT. AS-BUILT ABANDONED LIGHTING CONDUIT. REMOVAL IS SUBSIDIARY TO ITEM 660 (3) HIGHWAY LIGHTING SYSTEM COMPLETE.

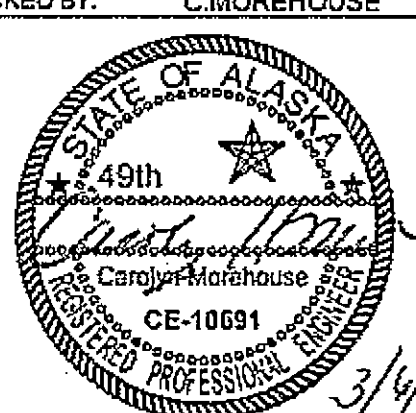
ELECTROLIER SUMMARY				
POLE No.	STATION	OFFSET	MAST ARM LENGTH	REMARKS
1	10+67	26' LT.	8'	
2	10+69	44' RT.	12'	
3	30+73	0'	8'	DUAL MAST ARM WITH NO. 6
4	20+71	39' RT.	12'	
5	21+76	27' RT.	15'	
6	30+73	0'	8'	DUAL MAST ARM WITH NO. 3
7	40+97	38' RT.	15'	
8	40+72	28' LT.	12'	
9	41+62	38' RT.		EXISTING
10	20+88	24' RT.	10'	MOUNT TO NEW SELF SUPPORTING POLE

JUNCTION BOX SUMMARY			
J-BOX No	STATION	OFFSET	REMARKS
1	10+63	27' LT.	
2	10+65	42' RT.	
3	30+68	3' RT.	
4	20+67	36' RT.	
5	21+73	23' RT.	
7	40+99	37' RT.	
8	40+75	26' RT.	

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C.MOREHOUSE



DESIGNED BY: D. FAGNANT

DRAWN BY: W.H. / R.S.

PAT: Q:\SIT\68943\PLANSET\68943_R1-R2-LUMIN.DWG

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PROJECT DESIGNATION
ACHHE-000S(549)~
PROJECT #68943

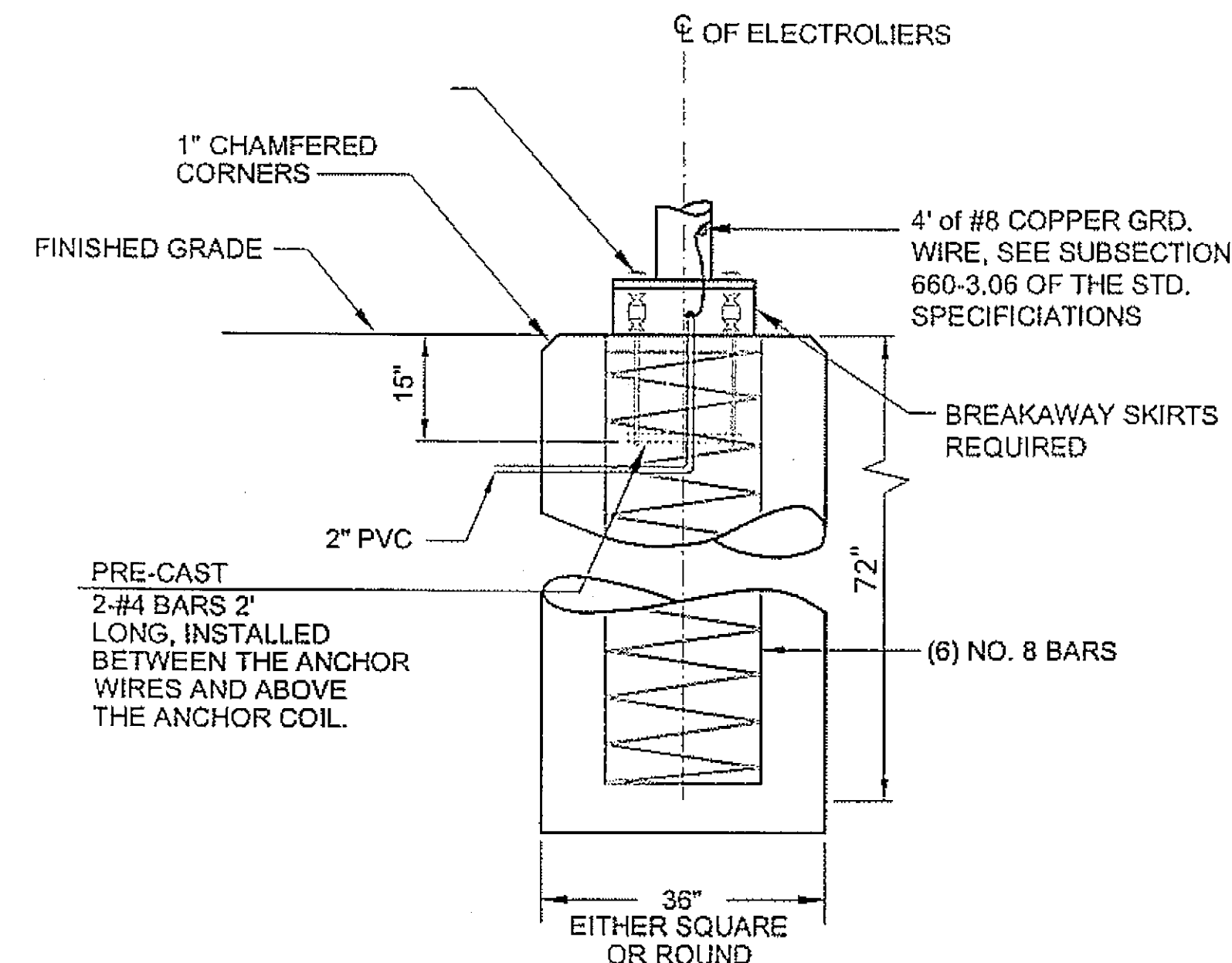
YEAR
2009

SHEET NO.
R1

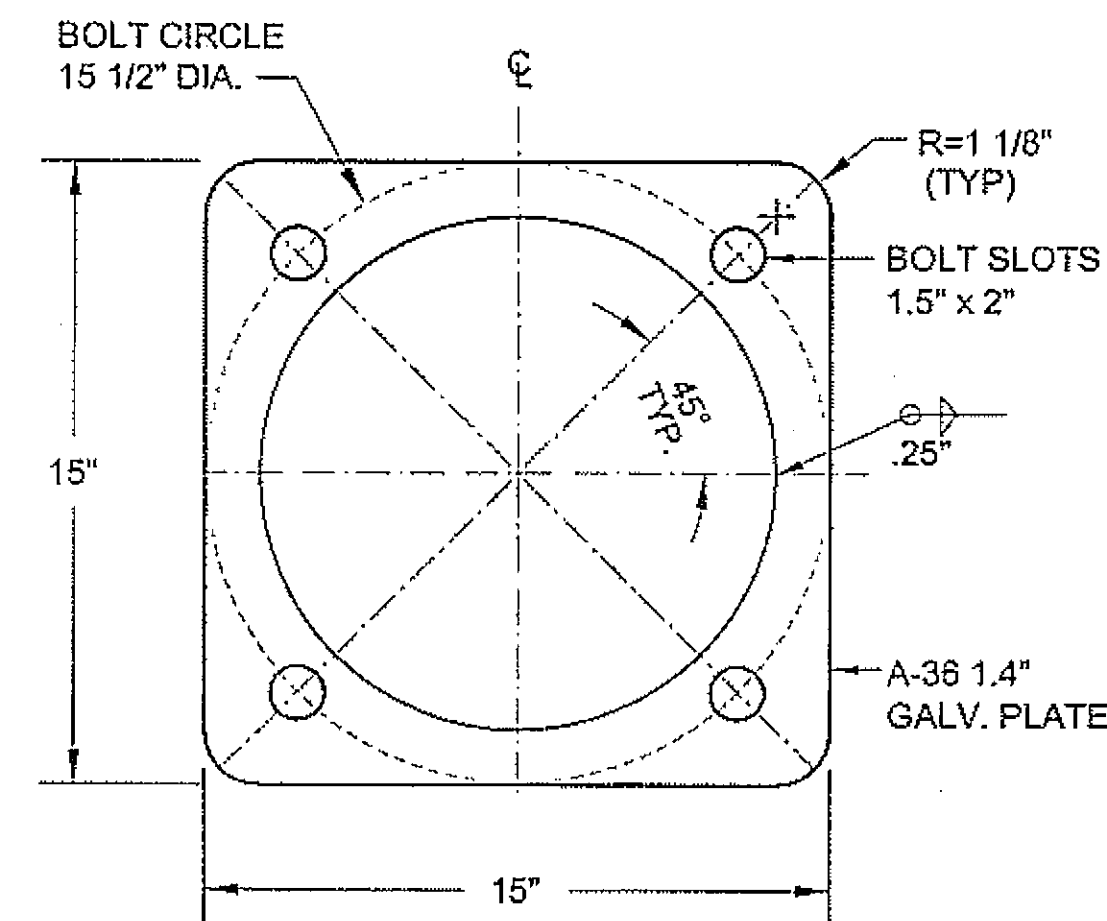
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SITKA - SAWMILL CREEK ROAD
HALIBUT POINT ROAD
ROUNDAABOUT

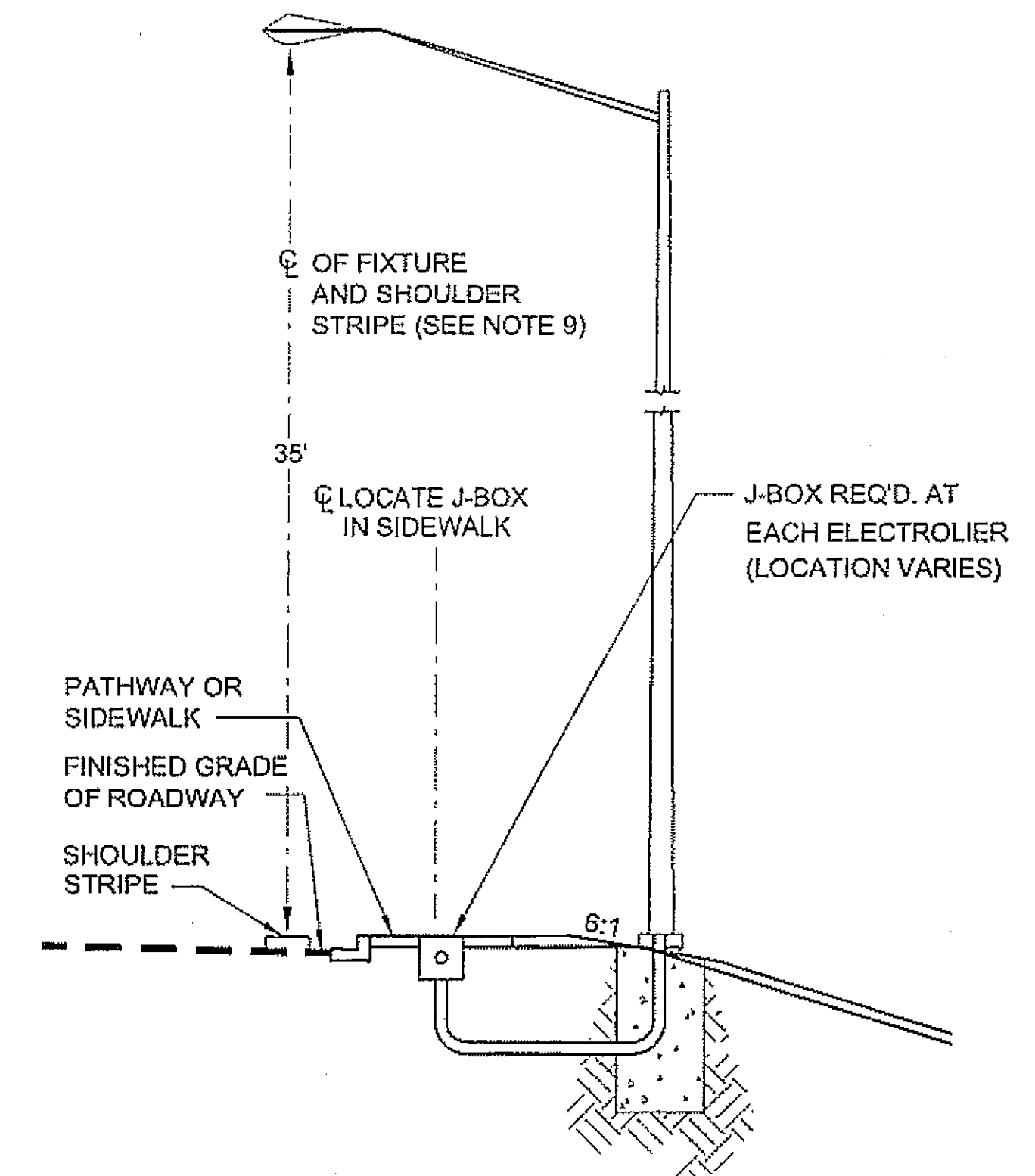
ILLUMINATION
LAYOUT PLAN



**FOUNDATION WITH
BREAKAWAY COUPLINGS**



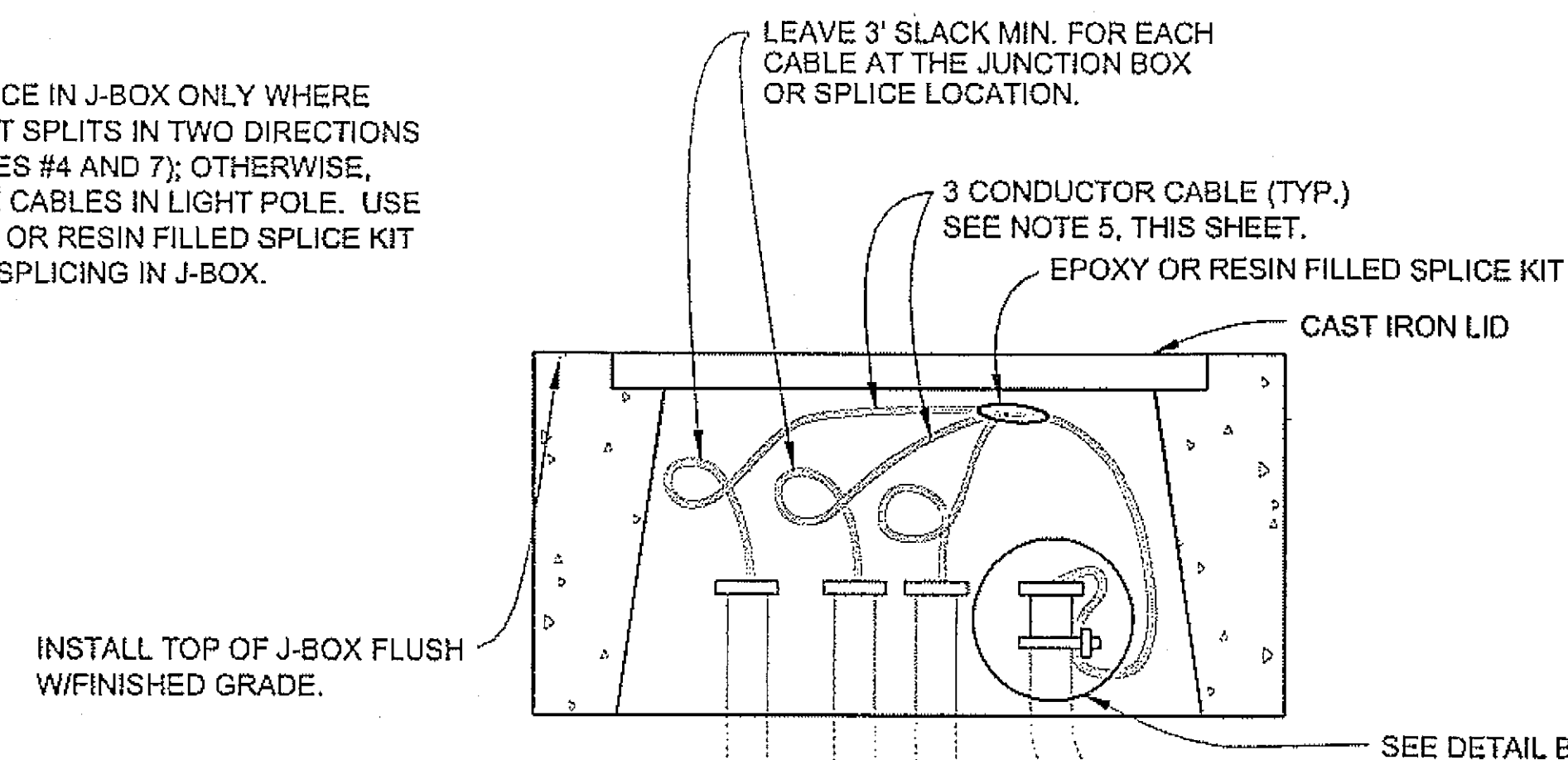
ANCHOR BASE DETAIL



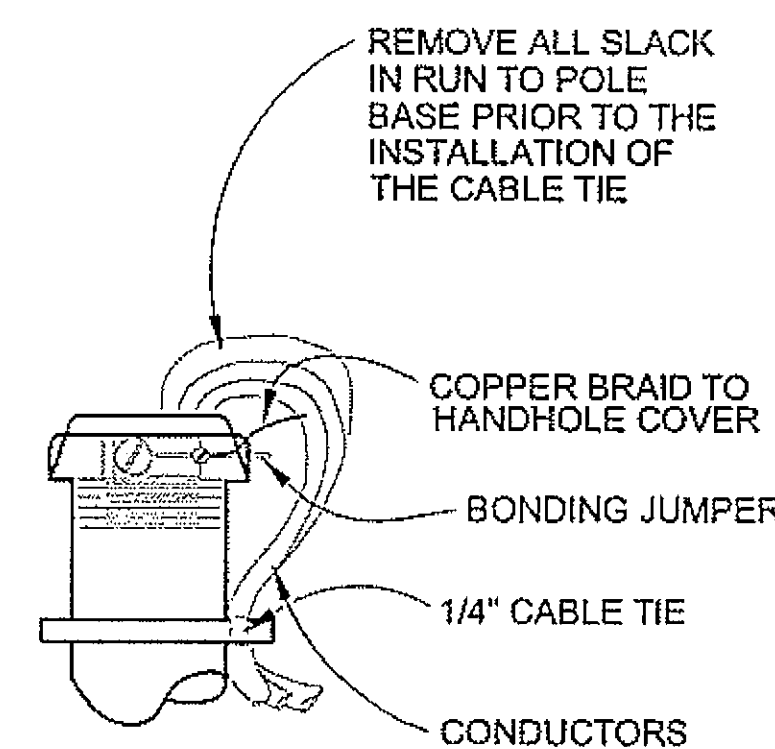
**TYPICAL SECTION
FOR ELECTROLIER**

NOTE:

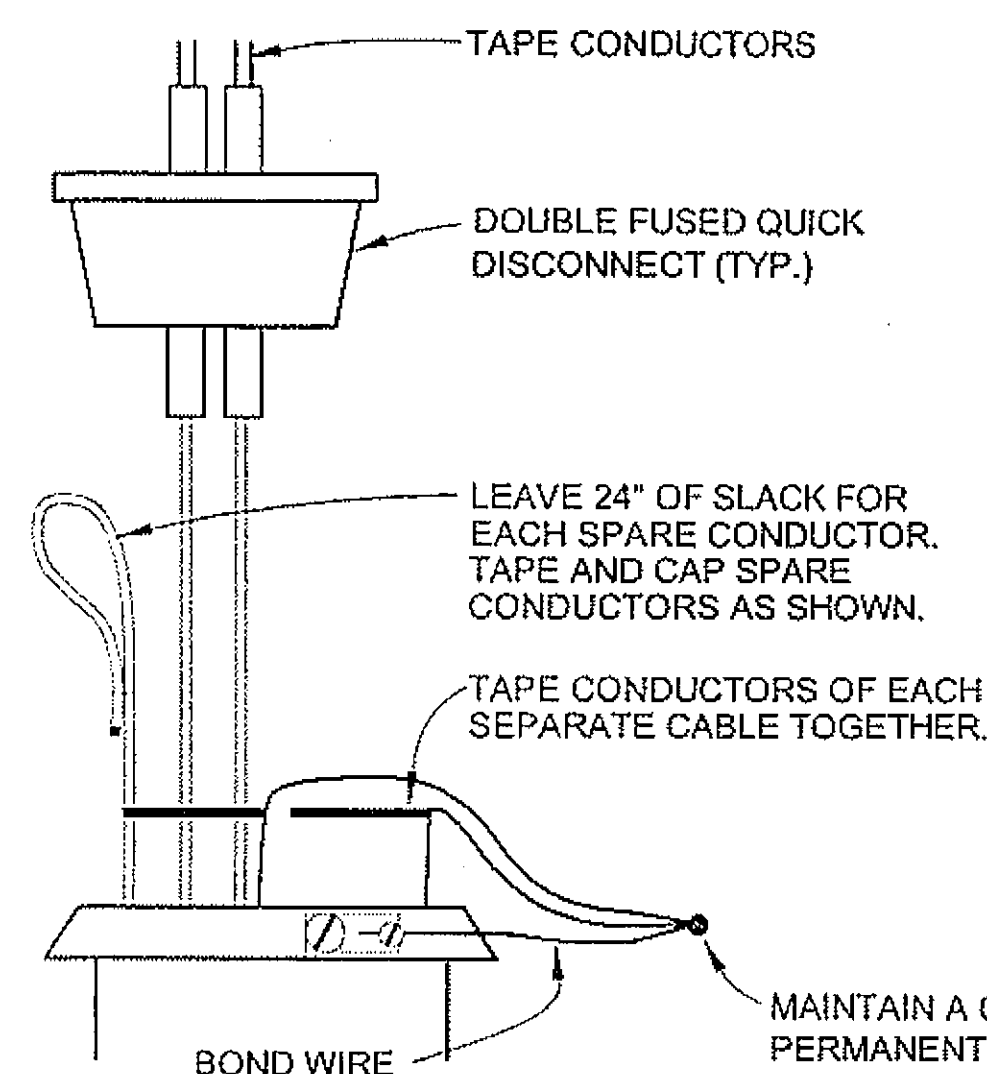
1. SPLICE IN J-BOX ONLY WHERE CIRCUIT SPLITS IN TWO DIRECTIONS (J-BOXES #4 AND 7); OTHERWISE, SPLICE CABLES IN LIGHT POLE. USE EPOXY OR RESIN FILLED SPLICE KIT WHEN SPLICING IN J-BOX.



DETAIL A

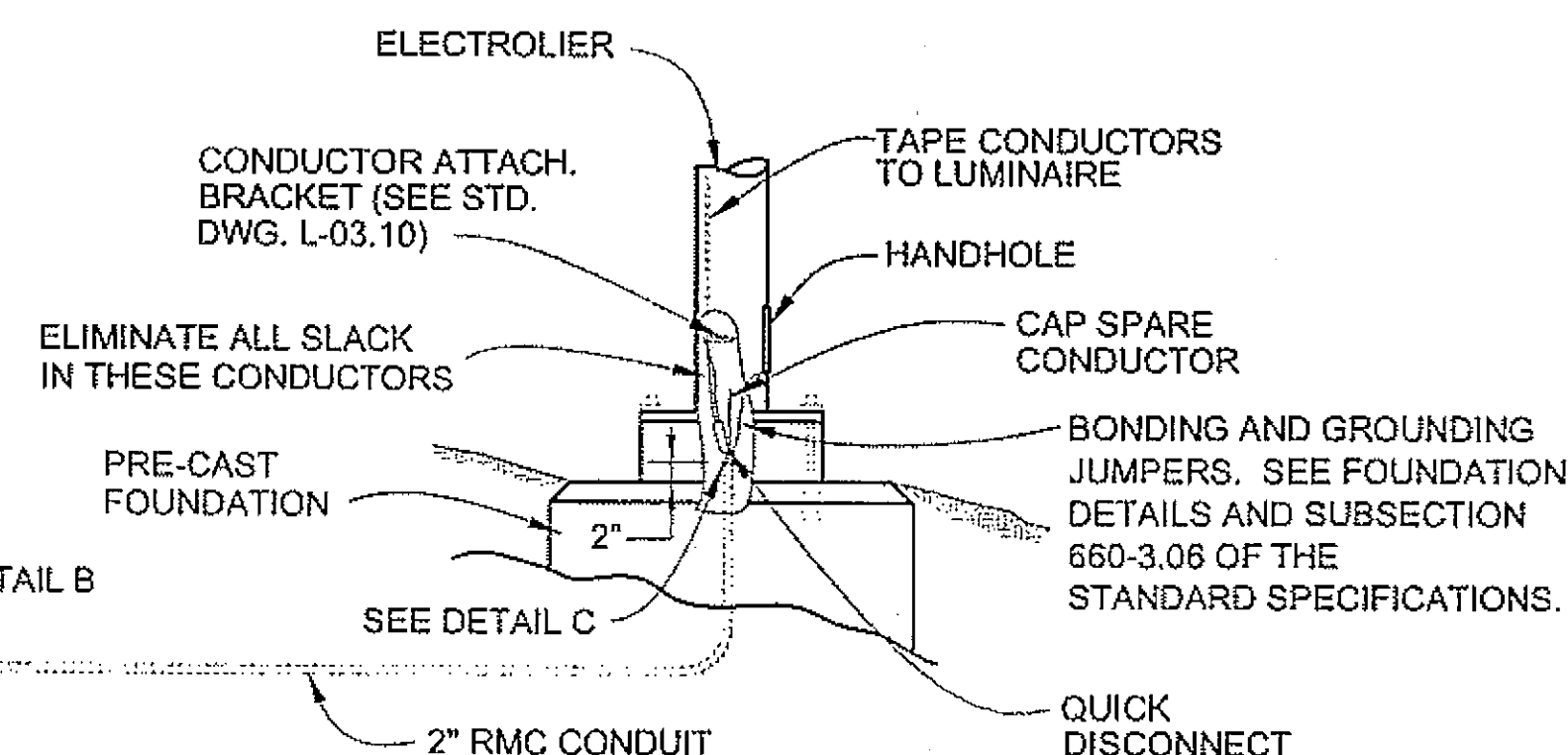
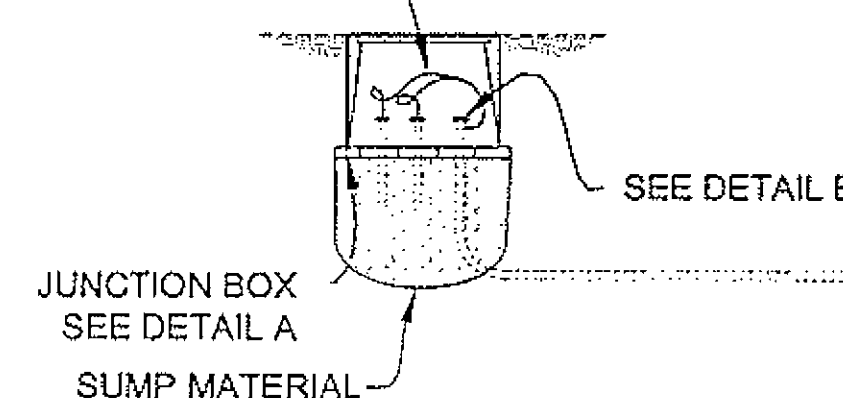


**DETAIL B
(IN J-BOX)**



**DETAIL C
(IN POLE BASE)**

SLACK REQUIRED TO ALLOW QUICK DISCONNECT IN POLE TO BE PULLED THRU HAND HOLE(S) IN ELECTROLIER



**LIGHTING SYSTEM POLE AND
J-BOX WIRING DETAILS
(BREAKAWAY COUPLINGS)**

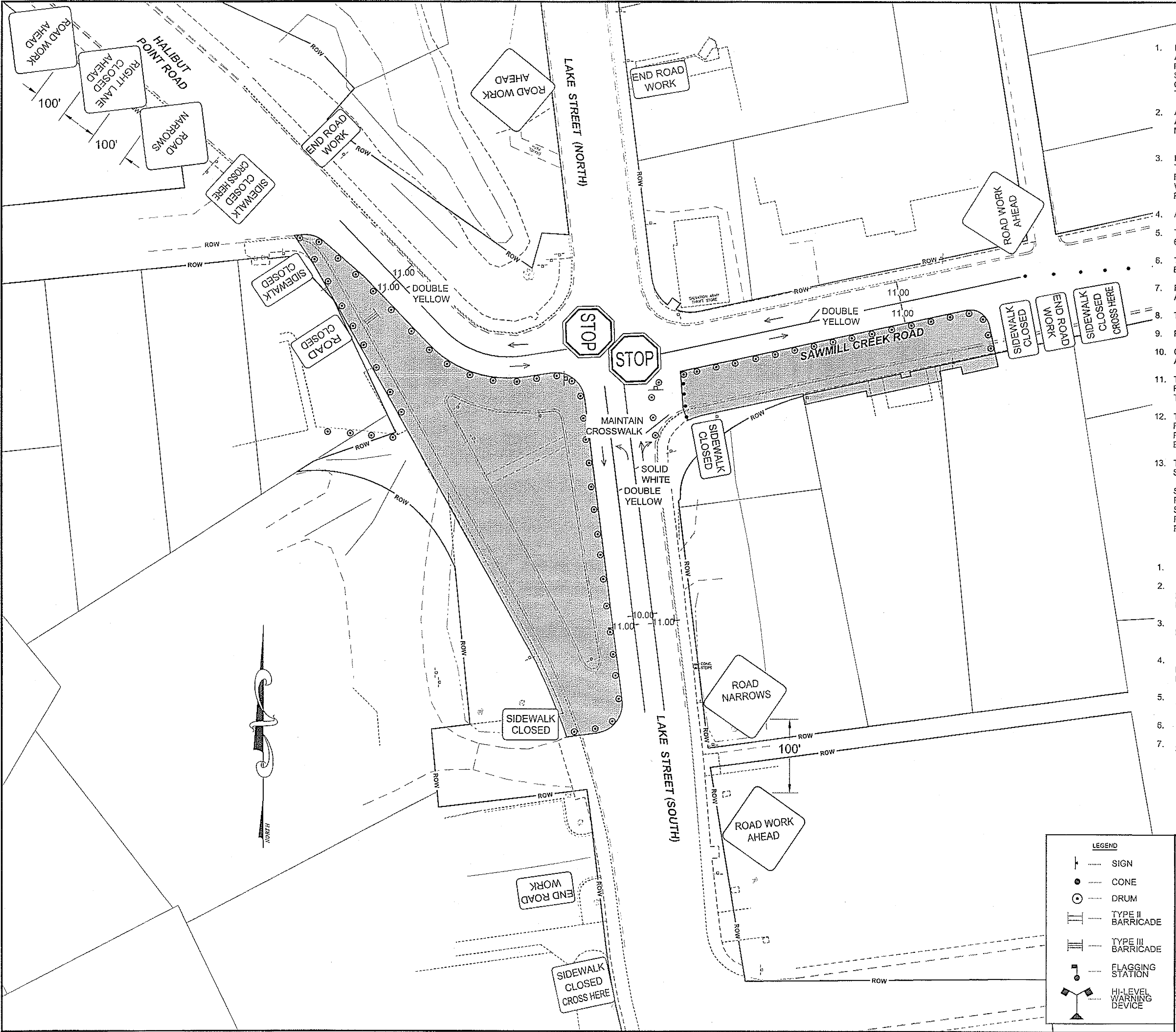
ILLUMINATION GENERAL NOTES

1. EACH NEW ELECTROLIER SHALL HAVE A J-BOX INSTALLED ADJACENT TO THE FOUNDATION AS SHOWN IN THE POLE AND J-BOX WIRING DETAIL.
2. ALL JUNCTION BOXES SHALL BE TYPE I-A. SEE STANDARD DRAWING L-23.01.
3. NEW ELECTROLIER FOUNDATIONS SHALL BE PRE-CAST. PRE-CAST FOUNDATIONS SHALL BE LIFTED AND TRANSPORTED USING A DEVICE THAT DISTRIBUTES THE LOAD EVENLY BETWEEN THE ANCHOR BOLTS.
4. INSTALL THE PHOTOELECTRIC CELL ON THE LOAD CENTER.
5. ILLUMINATION CIRCUIT WIRES SHALL BE NO. 8 AWG. 3-CONDUCTOR CABLE AS SPECIFIED IN STANDARD SPECIFICATION 660.
6. LUMINAIRES SHALL BE 240 VOLT, 250 WATT, HIGH PRESSURE SODIUM, MEDIUM DISTRIBUTION, CUT-OFF, IES TYPE III AND SHALL BE HAVE MAGNETIC REGULATOR BALLASTS, AND HPS LAMPS WITH A 24,000 HOUR RATED LIFE.
7. NON-BREAKAWAY PORTIONS OF FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE ANY 5' CHORD STARTING AND ENDING ON THE FINISHED GRADE OF THE ELECTROLIER PADS.
8. MAXIMUM SPACING BETWEEN ALL (NEW OR OLD) JUNCTION BOXES SHALL BE 190 FEET. THE COST TO INSTALL ADDITION JUNCTION BOXES SHALL BE INCIDENTAL TO THE LIGHTING SYSTEM PAY ITEM.
9. USE A SIZE 8 AWG GREEN GROUNDING CONDUCTOR IN ALL CONDUIT. INSULATION FOR THE GROUNDING CONDUCTORS SHALL BE CROSS-LINKED POLYETHYLENE, LISTED AS TYPE XHHW-2.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *8-26-09*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. MOREHOUSE		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. FAGNANT		SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDBOUT	
DRAWN BY: W.H. / R.S.		ILLUMINATION DETAILS	
PATH: Q:\SIT\68943\PLANS\SET\68943_R1-R2-LUMIN.DWG		PROJECT DESIGNATION ACHHE-000S(549)~ PROJECT #68943	
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REVISIONS		2009	R2
NO.	DATE	DESCRIPTION	TOTAL SHEETS
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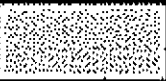
TRAFFIC CONTROL NOTES

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED AND SUBMITTED FOR APPROVAL PRIOR TO USE. THE TCP SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ALASKA TRAFFIC MANUAL.
2. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
3. KEEP THE PUBLIC INFORMED OF CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES MUST BE APPROVED PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, CHANGES IN THE LANE CONFIGURATIONS, CHANGES IN TRAFFIC ROUTES, OR PAVING. PROVIDE THE ESTIMATED DURATION OF THE CONSTRUCTION ACTIVITY.
4. ACCESS TO BUSINESSES WILL BE MAINTAINED AT ALL TIMES.
5. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.09 OF THE SPECIFICATIONS.
6. TWO-LANE, TWO WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES UNLESS APPROVED BY THE ENGINEER.
7. FLAGGER SINGLE LANE CLOSURES WILL NOT BE ALLOWED FROM 7:00-9:00 AM, 11:00 AM-1:00 PM, AND 3:30-5:30 PM WEEKDAYS UNLESS APPROVED BY THE ENGINEER.
8. TRAVEL LANES WILL BE A MINIMUM OF 10 FEET WIDE.
9. PATCH ALL TRENCH WORK PRIOR TO OPENING TO TRAFFIC.
10. ORANGE CONSTRUCTION SIGNS SHALL USE TYPE VIII OR IX FLOURESCENT SHEETING AS DETAILED IN SECTION 615-2.01.
11. THE NEEDS AND CONTROL OF ALL ROAD USERS (MOTORISTS, BICYCLISTS, AND PEDESTRIANS, INCLUDING PERSONS WITH DISABILITIES) THROUGH A TEMPORARY TRAFFIC CONTROL ZONE WILL BE MAINTAINED AT ALL TIMES.
12. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE PEDESTRIAN TRAFFIC CONTROL PLAN BY USING A SIDEWALK DIVERSION OR SIDEWALK DETOUR. ALTERNATIVE PEDESTRIAN TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW BY THE REGIONAL TRAFFIC ENGINEER.
13. THE FOLLOWING ARE SIGN NUMBERS FROM ALASKA SIGN DESIGN. USE CONVENTIONAL SIZES.

SIDEWALK CLOSED R9-9
ROAD WORK AHEAD CW20-100
SIDEWALK CLOSED CROSS HERE R9-11A WITH APPROPRIATE DIRECTION ARROW
ROAD NARROWS CW5-1
RIGHT LANE CLOSED CW20-5

STAGE 1

1. SEE ALSO UTILITY SHEETS.
2. CLOSE THROUGH LANE TO THE WYE AND MAINTAIN FOUR-WAY STOP CONTROL. REMOVE LAKE STREET SOUTH, SAMILL CREEK, AND HALIBUT POINT ROAD PAVEMENT MARKINGS AND PROVIDE TEMPORARY LANE MARKINGS AS INDICATED.
3. WORK ACTIVITIES ALONG SAWMILL CREEK ROAD REQUIRING ACCESS INTO TCE-3A (SEE ROW SHEETS) MUST BE COMPLETED BY MAY 30, 2009. IF TIME ALLOWS, SAWMILL CREEK ROAD WORK ZONE MAY BE INCORPORATED INTO STAGE 2.
4. INSTALL SEWER AND WATER UTILITIES, STORM DRAIN SYSTEMS, AND ANY OTHER ELEMENTS WITHIN THE IDENTIFIED AREAS THAT PROVIDE FOR A SMOOTH PROGRESSION THROUGH EACH STAGE SEQUENCING.
5. A COMPLETE CLOSURE OF HALIBUT POINT ROAD WILL BE ALLOWED BETWEEN 7PM TO 7AM TO COMPLETE THE WATER AND SEWER WORK NEAR ERLER STREET.
6. PEDESTRIAN AND BIKE TRAFFIC MUST ALSO BE MAINTAINED.
7. ANY DEVIATIONS FROM THE EXISTING CONFIGURATION WILL BE BY THE APPROVAL OF THE ENGINEER.



STAGE 1 CONSTRUCTION AREAS

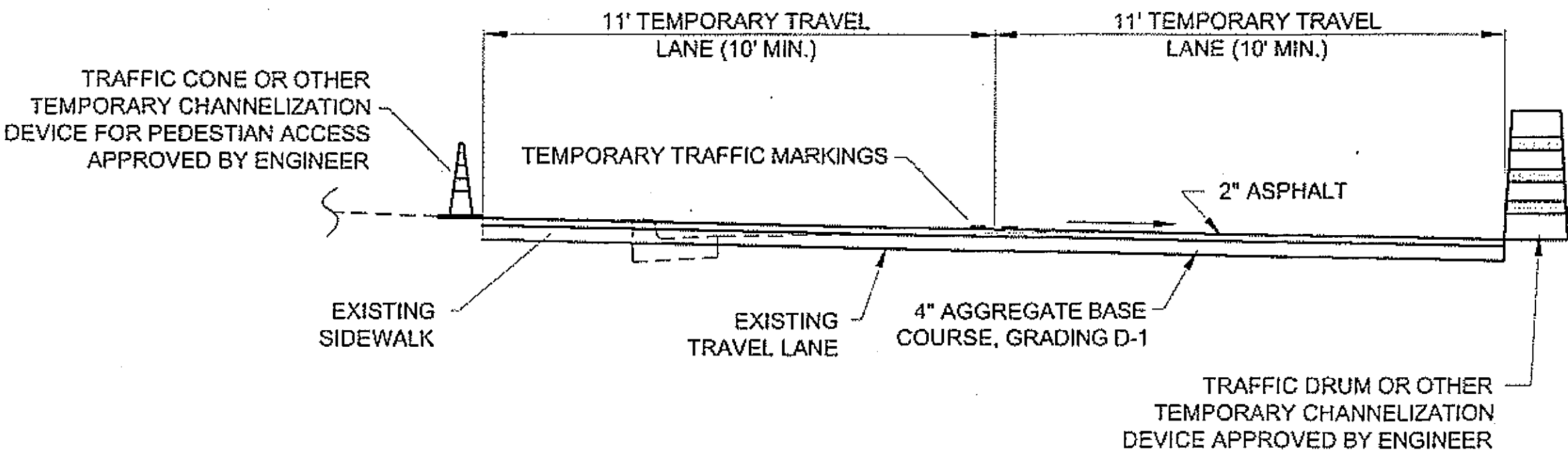
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

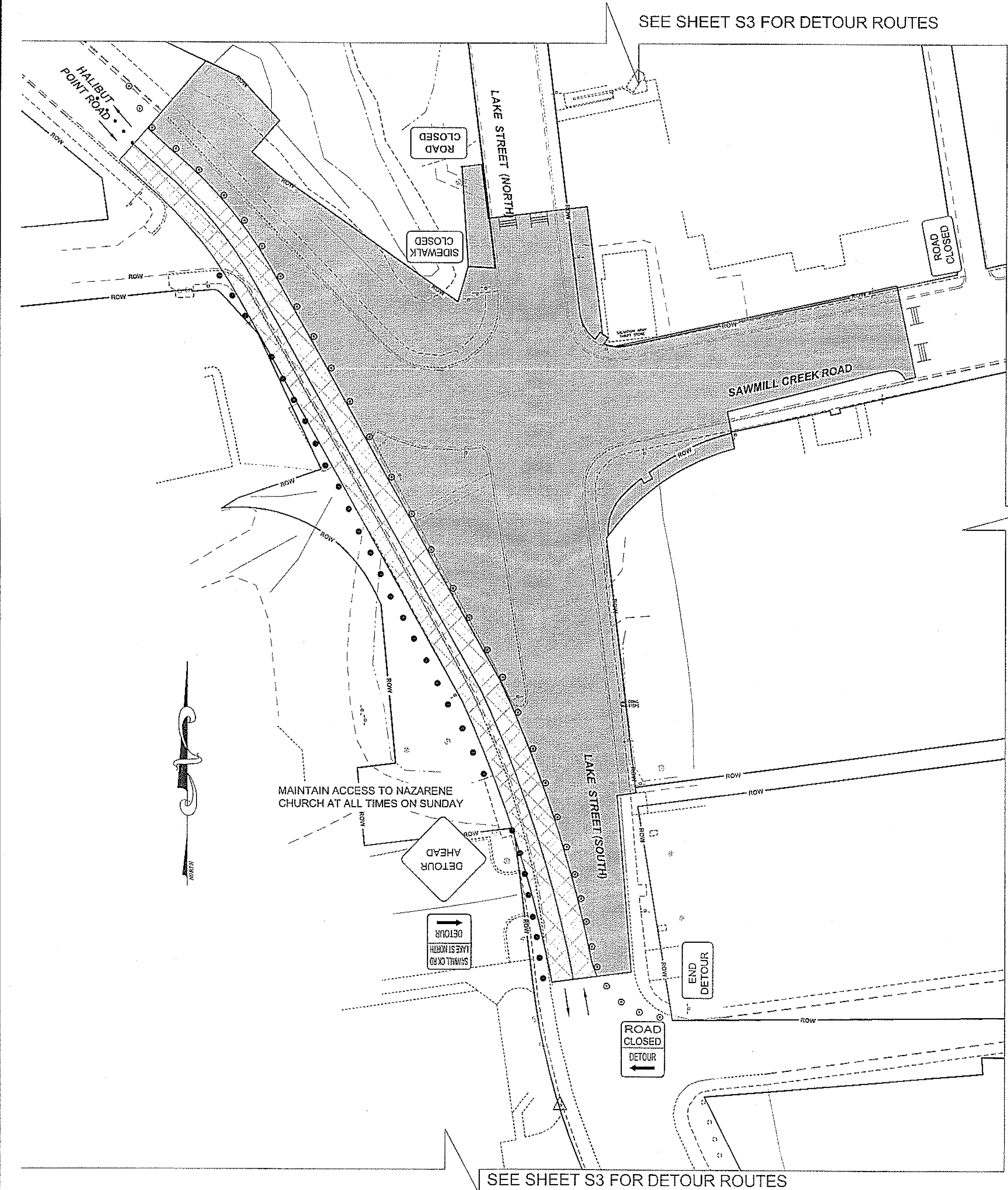
LEGEND SIGN CONE DRUM TYPE II BARRICADE TYPE III BARRICADE FLAGGING STATION HI-LEVEL WARNING DEVICE	CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION												
		SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDAABOUT												
	DESIGNED BY: C. IVANISZEK / D. LESTER DRAWN BY: B.W.	TRAFFIC CONTROL STAGE 1												
	PATH: Q:\SIT\60943\PLANSET\60943_S1-S4_TCP.DWG TAB: S1 Tuesday, February 24, 2009 4:09:24 PM WILSON, BRIAN G (DOT)													
<table border="1"><thead><tr><th colspan="3">REVISIONS</th></tr><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr></tbody></table>		REVISIONS			NO.	DATE	DESCRIPTION				PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943	YEAR 2009	SHEET NO. S1	TOTAL SHEETS 57
REVISIONS														
NO.	DATE	DESCRIPTION												

STAGE 2

1. CONSTRUCT TEMPORARY CONSTRUCTION ROAD AND MAINTAIN TWO-WAY TRAFFIC BETWEEN HALIBUT POINT ROAD AND LAKE STREET (SOUTH). CLOSE REMAINING INTERSECTION AND DETOUR TRAFFIC USING ALTERNATE ROUTES AS SHOWN. SEE SECTION 643 OF THE SPECIAL PROVISIONS FOR DETOUR ROUTING TIME LIMITS.
2. PROVIDE CONTINUOUS ACCESS TO AND FROM FIREHALL AND POLICE.
3. COMPLETE WATER AND SEWER CONSTRUCTION.
4. CONTINUE STORM DRAIN, LIGHTING AND ELECTRICAL, AND BEGIN ROUNDABOUT LAYOUT.
5. SURFACE WITH ATB PRIOR TO SHIFTING TRAFFIC ONTO PARTIALLY CONSTRUCTED ROUNDABOUT AND BEGINNING STAGE 3 CONSTRUCTION.
6. TEMPORARY TRAVEL LANE ASPHALT PAID UNDER 401(3A).
7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BUSINESSES DURING CONSTRUCTION AT ALL TIMES.
8. CONTRACTOR MUST PROVIDE PEDESTRIAN DETOUR THAT IS APPROVED BY THE ENGINEER.



STAGE 2 TEMPORARY CONSTRUCTION ROAD TYPICAL



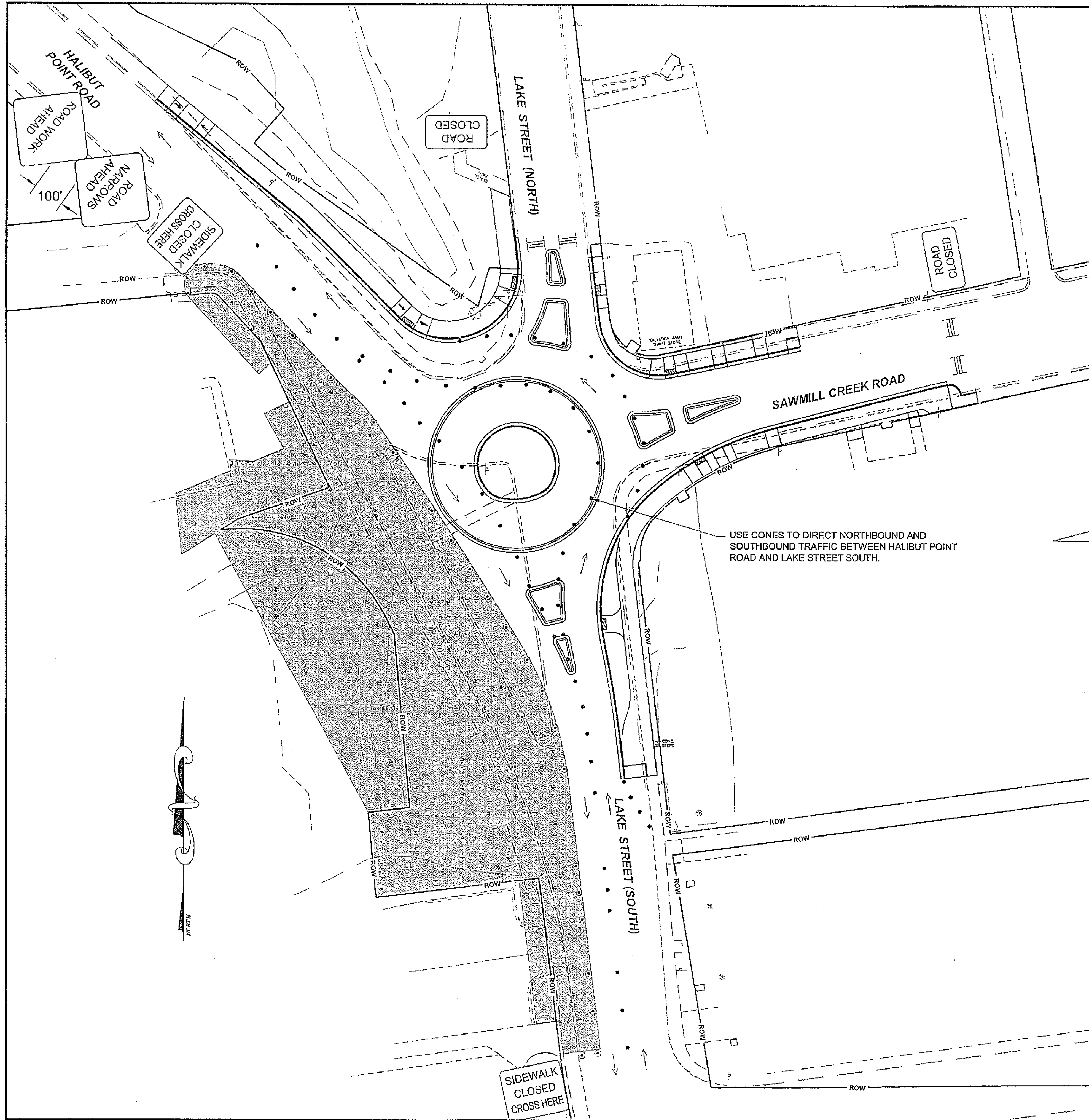
SEE SHEET S3 FOR DETOUR ROUTES

LEGEND	
	SIGN
	CONE
	DRUM
	TYPE II BARRICADE
	TYPE III BARRICADE
	FLAGGING STATION
	HI-LEVEL WARNING DEVICE

	STAGE 2 TEMPORARY CONSTRUCTION ROAD, TWO-WAY TRAFFIC.
	STAGE 2 CONSTRUCTION AREA

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS	
CHECKED BY: C. MOREHOUSE	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION
	SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT
TRAFFIC CONTROL STAGE 2	
DESIGNED BY: C. IVANISZEK / D. LESTER	PROJECT DESIGNATION
DRAWN BY: B.W.	ACHHE-000S(549)- PROJECT #68943
PATH: Q:\SIT68943\PLANSET\68943_S1-S4_TCP.DWG	YEAR
TAB: S2 Tuesday, February 24, 2009 3:58:29 PM	2009
REVISIONS	SHEET NO.
NO. DATE DESCRIPTION	S2
	TOTAL SHEETS
	57



SEE SHEET S3 FOR DETOUR ROUTES

STAGE 3

1. CONTINUE TO MAINTAIN TWO-WAY TRAFFIC BETWEEN HALIBUT POINT ROAD AND LAKE STREET (SOUTH). KEEP REMAINING INTERSECTION CLOSED AND CONTINUE USING STAGE 2 DETOUR ROUTES. SEE SECTION 643 OF THE SPECIAL PROVISIONS FOR DETOUR ROUTING TIME LIMITS.
2. PROVIDE CONTINUOUS ACCESS TO AND FROM FIREHALL AND POLICE.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BUSINESSES DURING CONSTRUCTION AT ALL TIMES.
4. CONSTRUCT REMAINING ROUNDABOUT LAYOUT AND SIDEWALK.
5. SURFACE WITH FINAL COURSE OF ASPHALT, COMPLETE STRIPING, SIGNING, AND LIGHTING PRIOR TO OPENNING THE FULL ROUNDABOUT.

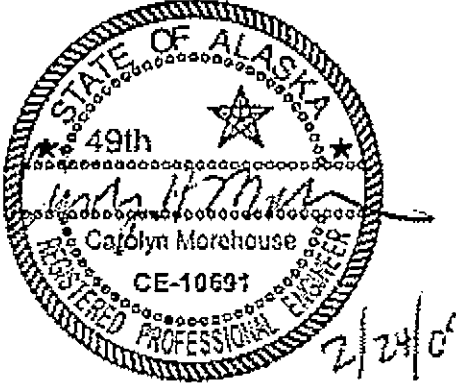
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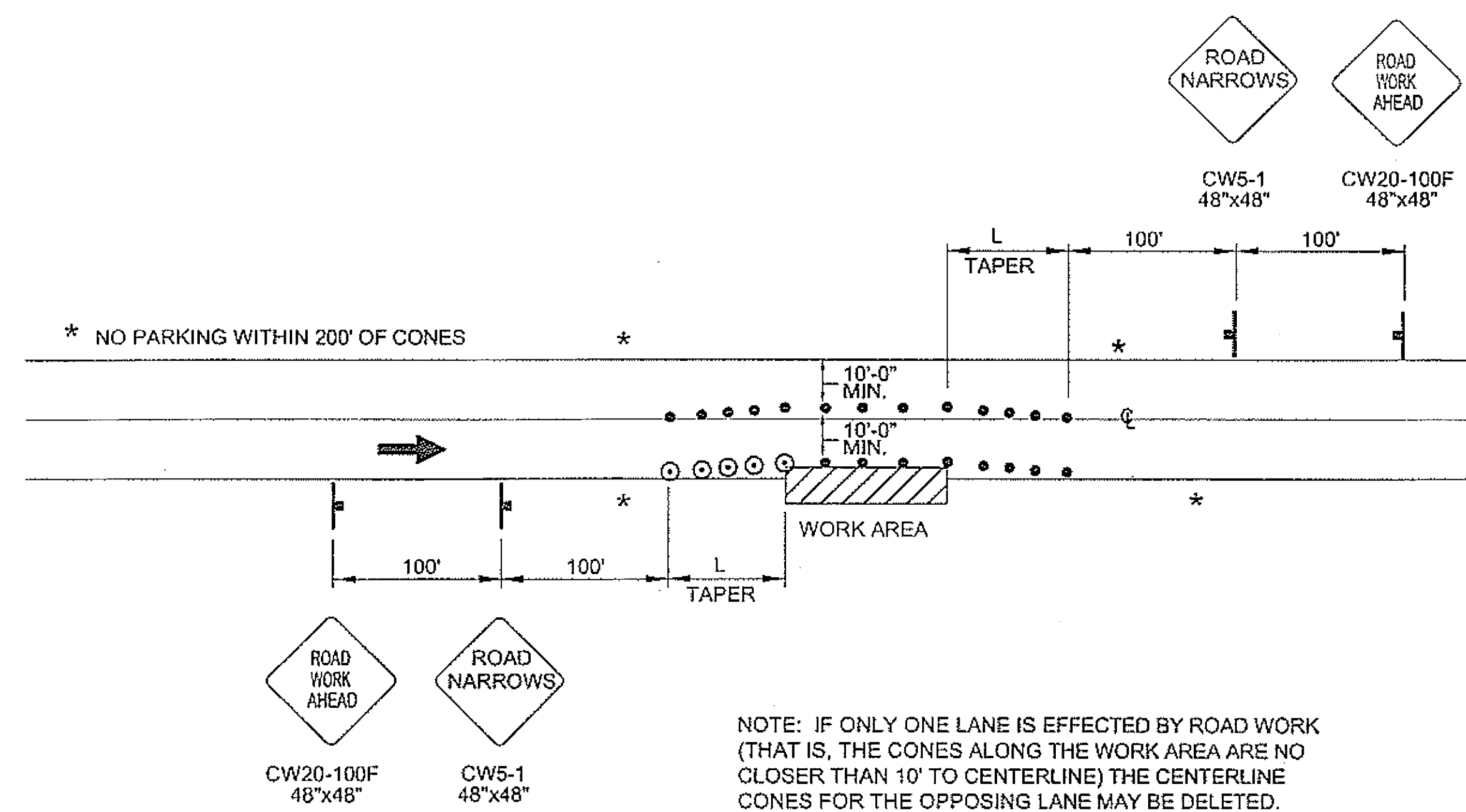
- SIGN
- CONE
- DRUM
- II TYPE II BARRICADE
- III TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

STAGE 3 CONSTRUCTION AREA

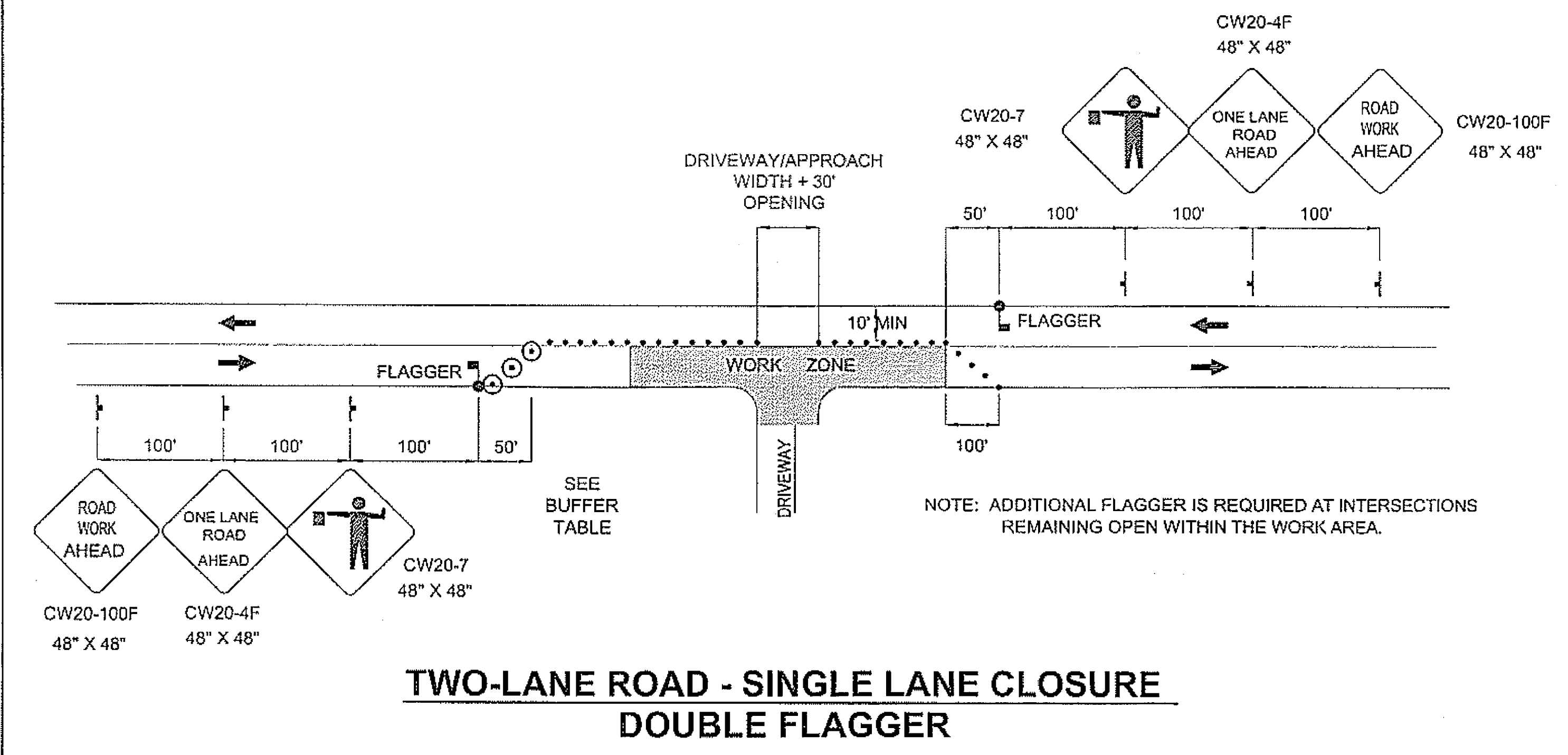
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. MOREHOUSE		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT	
DESIGNED BY: C. IVANISZEK / D. LESTER DRAWN BY: B.W.		TRAFFIC CONTROL STAGE 3	
PATH: Q:\SIT\68943\PLANSET\68943_S1-S4_TCP.DWG TAB: S4		WILSON, BRIAN G (DOT)	
REVISIONS		PROJECT DESIGNATION	
NO.	DATE	DESCRIPTION	ACHHE-000S(549)~ PROJECT #68943
		YEAR	SHEET NO.
		2009	S4
		TOTAL SHEETS	57



ROADWAY ENCROACHMENT



TWO-LANE ROAD - SINGLE LANE CLOSURE DOUBLE FLAGGER

- LEGEND**
- SIGN
 - CONE
 - DRUM
 - TYPE III BARRICADE
 - FLAGGING STATION
 - HI-LEVEL WARNING DEVICE

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

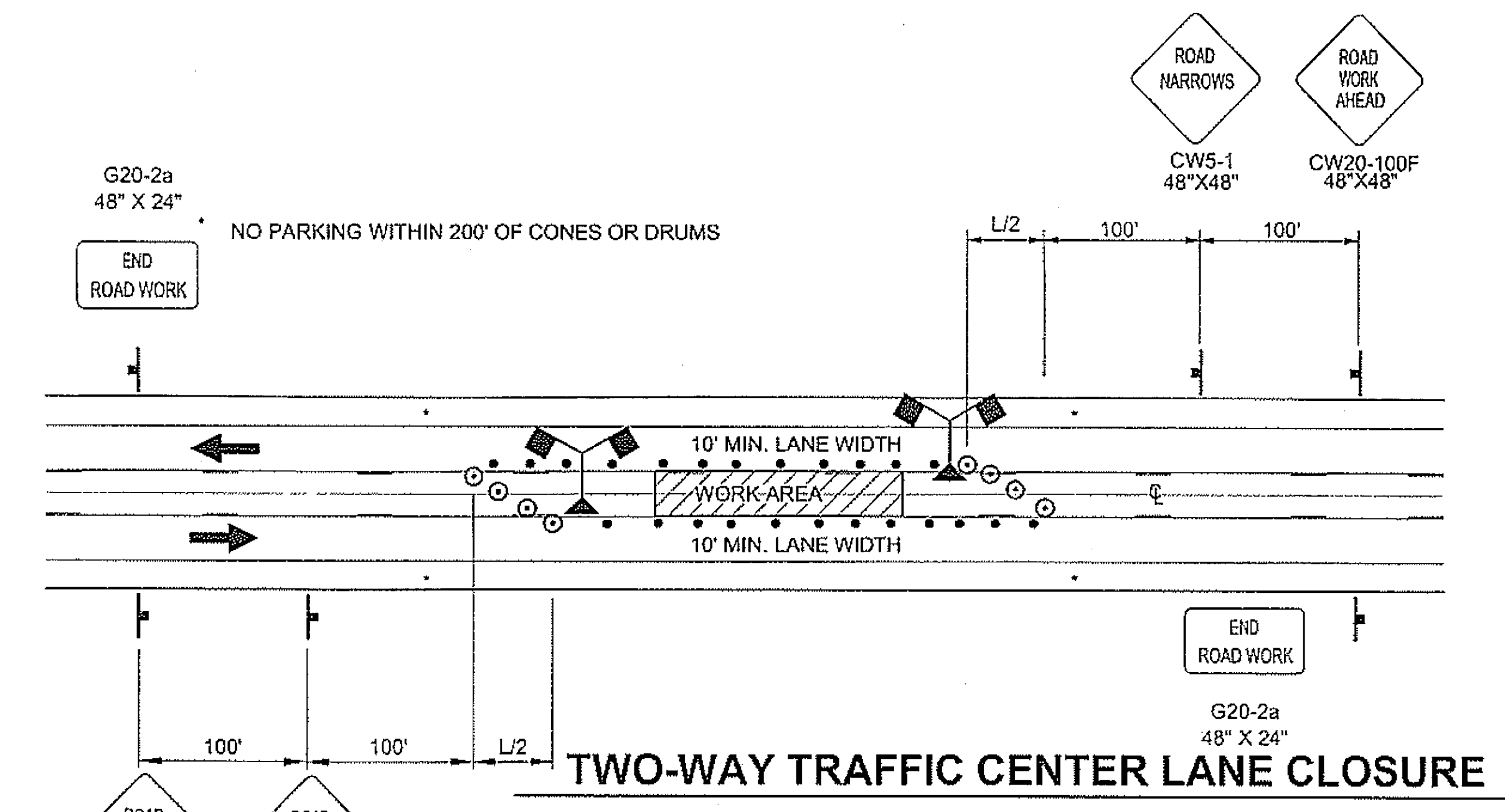
45 MPH OR GREATER $L = W \times S$

WHERE W = WIDTH OF OFFSET

S = 25 MPH

MAXIMUM DRUM OR CONE SPACING = S (IN FEET) FOR TAPERS
= 2S (IN FEET) FOR TANGENTS

MIN. BUFFER	
S	LENGTH
20	115
25	155
30	200
35	250



TWO-WAY TRAFFIC CENTER LANE CLOSURE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. MOREHOUSE

DESIGNED BY: C. IVANISZEK / D. LESTER

DRAWN BY: W.H. / R.S.

PATH: Q:\SIT\68943\PLANSET\68943_S1-S4_TCP.DWG

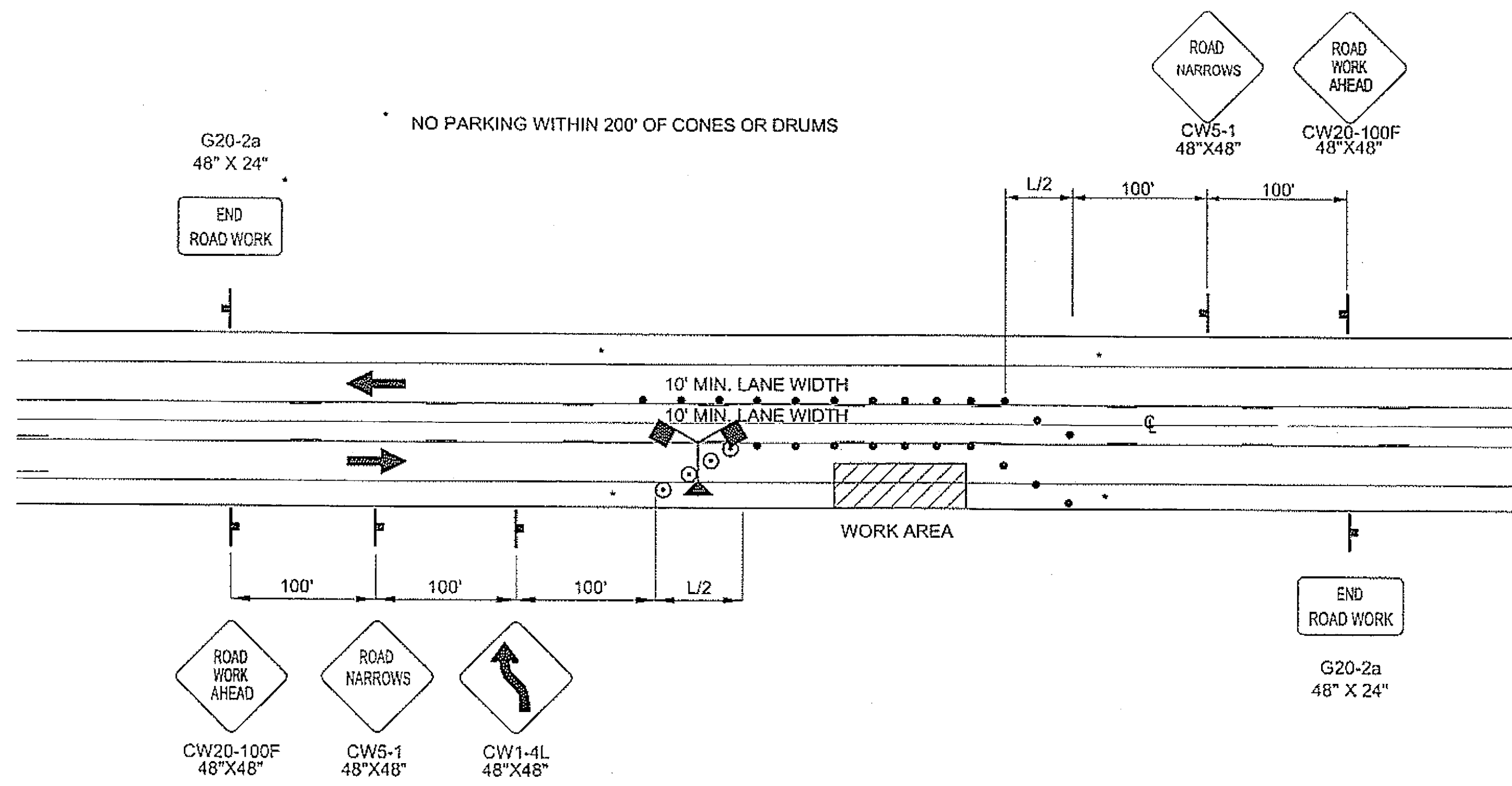
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PROJECT DESIGNATION: ACHHE-000S(549)-PROJECT #68943

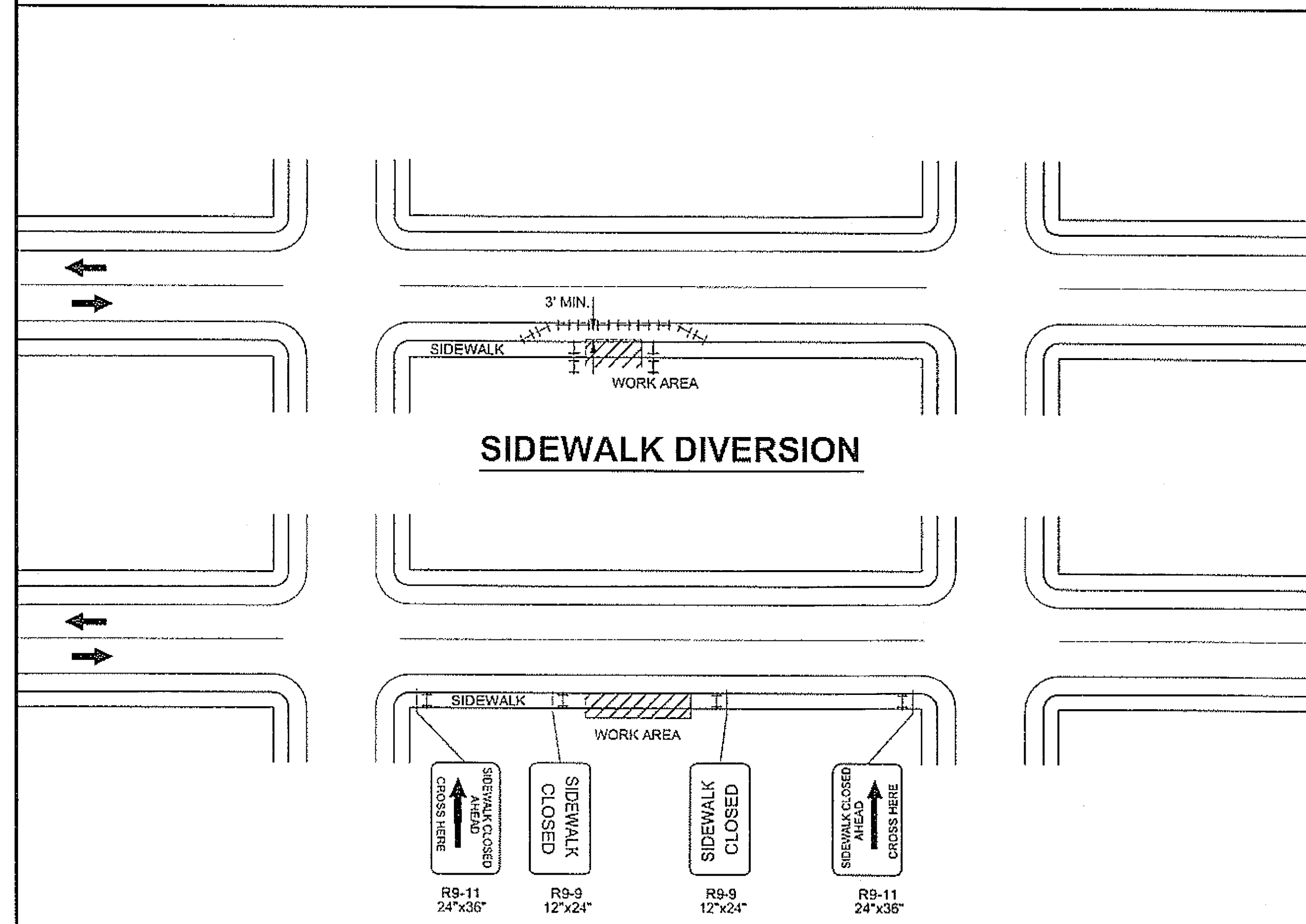
YEAR: 2009

SHEET NO.: S5

TOTAL SHEETS: 57



TWO-WAY TRAFFIC USING CENTER LANE



SIDEWALK DIVERSION

SIDEWALK DETOUR

- LEGEND**
- SIGN
 - CONE
 - DRUM
 - TYPE III BARRICADE
 - FLAGGING STATION
 - HI-LEVEL WARNING DEVICE

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{W \times S^2}{60}$

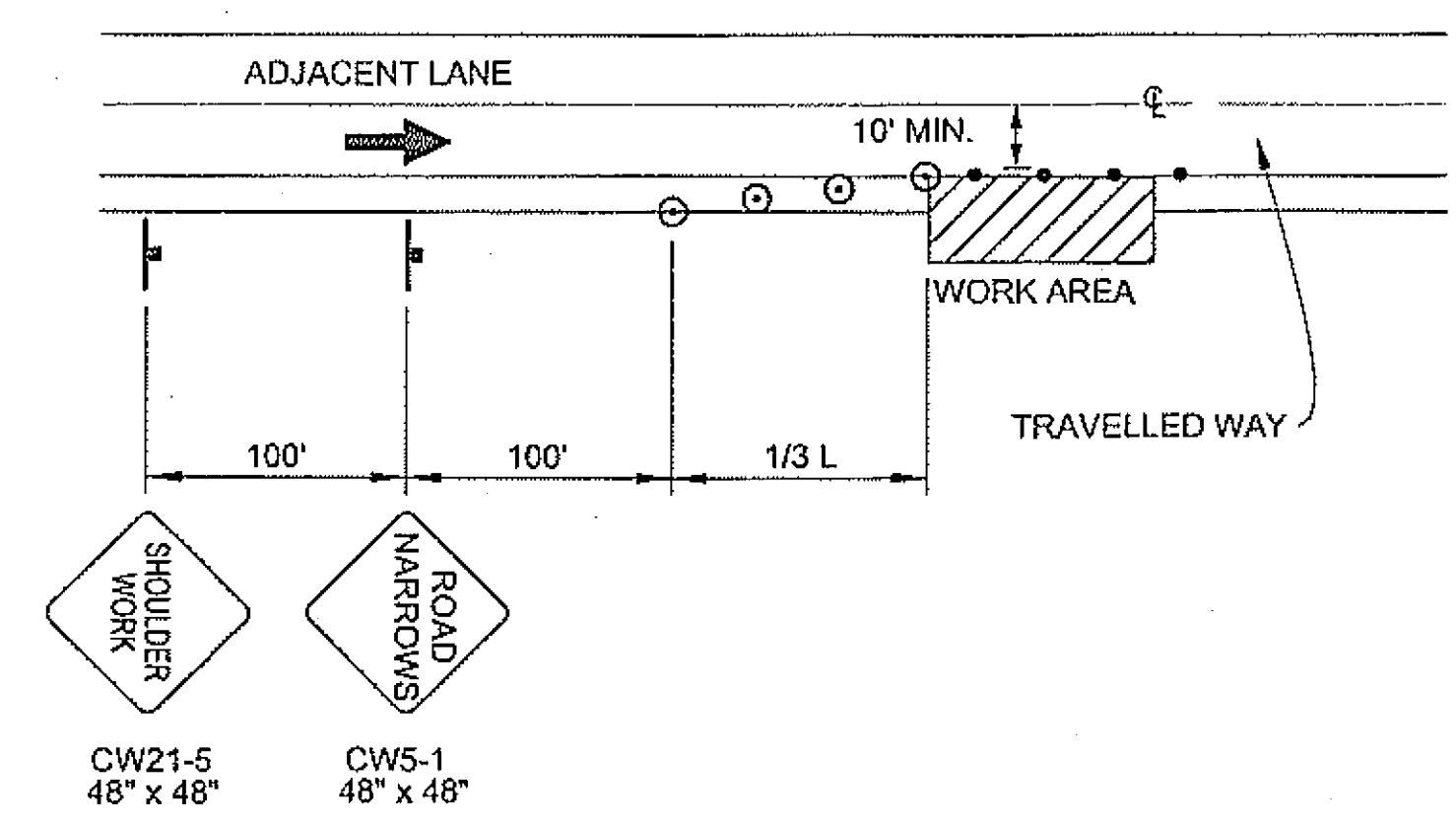
45 MPH OR GREATER $L = W \times S$

WHERE W = WIDTH OF OFFSET

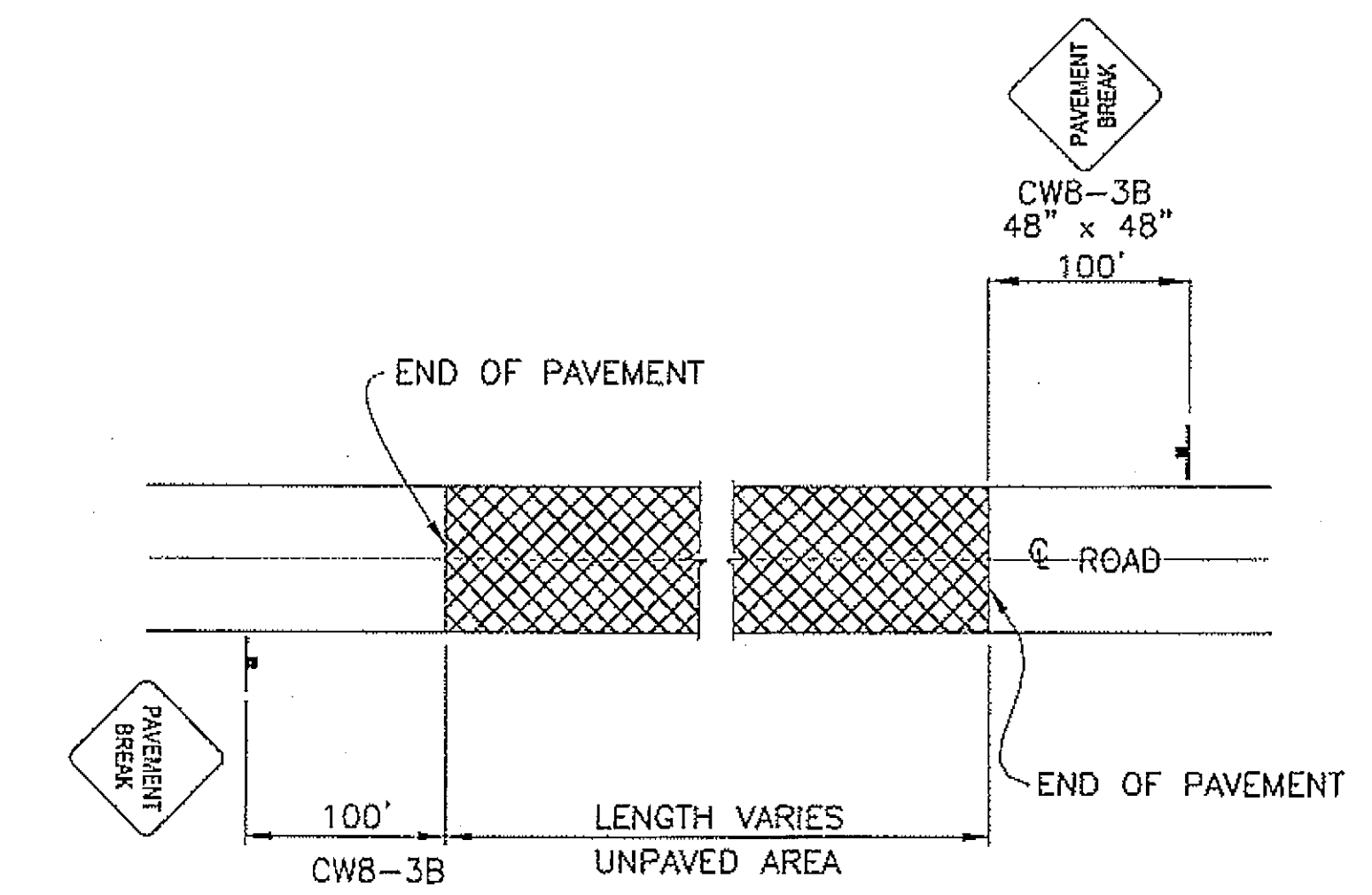
S = 25 MPH

MAXIMUM DRUM OR CONE SPACING = S (IN FEET) FOR TAPERS
= 2S (IN FEET) FOR TANGENTS

MIN. BUFFER	
S	LENGTH
20	115
25	155
30	200
35	250



SHOULDER WORK



SIGN FOR UNPAVED AREA

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

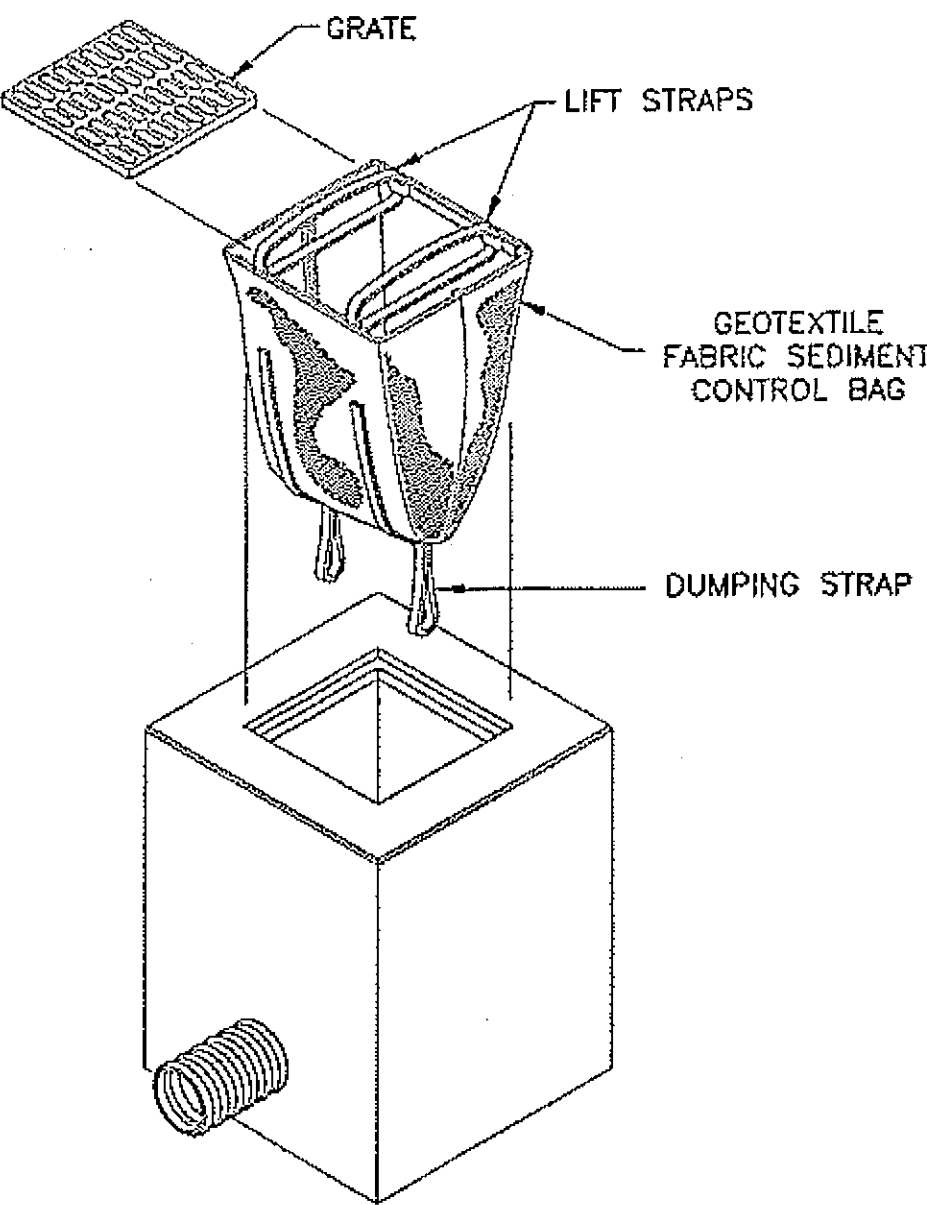
CHECKED BY: C. MOREHOUSE 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDABOUT	
DESIGNED BY: C. IVANISZEK / D. LESTER DRAWN BY: W.H. / R.S.		TRAFFIC CONTROL PLAN	
PATH: Q:\SIT\68943\PLANSET\68943_S1-S4_TCP.DWG TAB: S6 Tuesday, February 24, 2009 4:08:00 PM		WILSON, BRIAN G (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943	YEAR 2009
		SHEET NO. S6	TOTAL SHEETS 57

EROSION AND SEDIMENT CONTROL NOTES:

1. REFER TO APPENDIX B OF THE CONTRACT DOCUMENTS FOR THE ENVIRONMENTAL COMMITMENTS, AND EROSION AND SEDIMENT CONTROL PLAN.
2. INSTALL EROSION AND SEDIMENT CONTROL DEVICES FOR EARTH DISTURBING ACTIVITIES.
3. MAINTAIN DEVICES AND MONITOR DAILY.
4. IF INSPECTION REVEALS WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION.
5. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING OR OTHER EFFECTIVE MEASURES. MAINTAIN EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE SEEDED AND HAVE ACHIEVED 70% VEGETATIVE COVER.
6. NO CONSTRUCTION IS PERMITTED WITHIN SWAN LAKE. ALL ROADWAY DRAINAGE DURING CONSTRUCTION WILL BE COLLECTED AND ROUTED SO NO DISCHARGE OF WATER OF ANY KIND OCCURS INTO THE LAKE. DISCHARGE MAY ONLY OCCUR AT THE OUTFALL LOCATION FOR THE UNDERGROUND STORM DRAINAGE SYSTEM. NO CONSTRUCTION MATERIAL OF ANY KIND INCLUDING BUT NOT LIMITED TO BORROW, EMBANKMENT, EXCAVATED MATERIALS, WASTE OR STORED MATERIAL MAY BE PLACED IN THE LAKE OR STORED IN SUCH A MANNER THAT IT MAY BE WASHED, SLIDE OR PUSHED INTO THE LAKE. SEE UTILITY SPECIFICATIONS FOR UTILITY TRENCH DEWATERING.
7. SEE SECTION 641 OF THE SPECIFICATIONS FOR REQUIREMENTS FOR UTILITY TRENCH DEWATERING.

INLET PROTECTION INSTALLATION AND MAINTENANCE

1. INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE SEDIMENT BAG SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.
2. MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE SEDIMENT BAG. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.



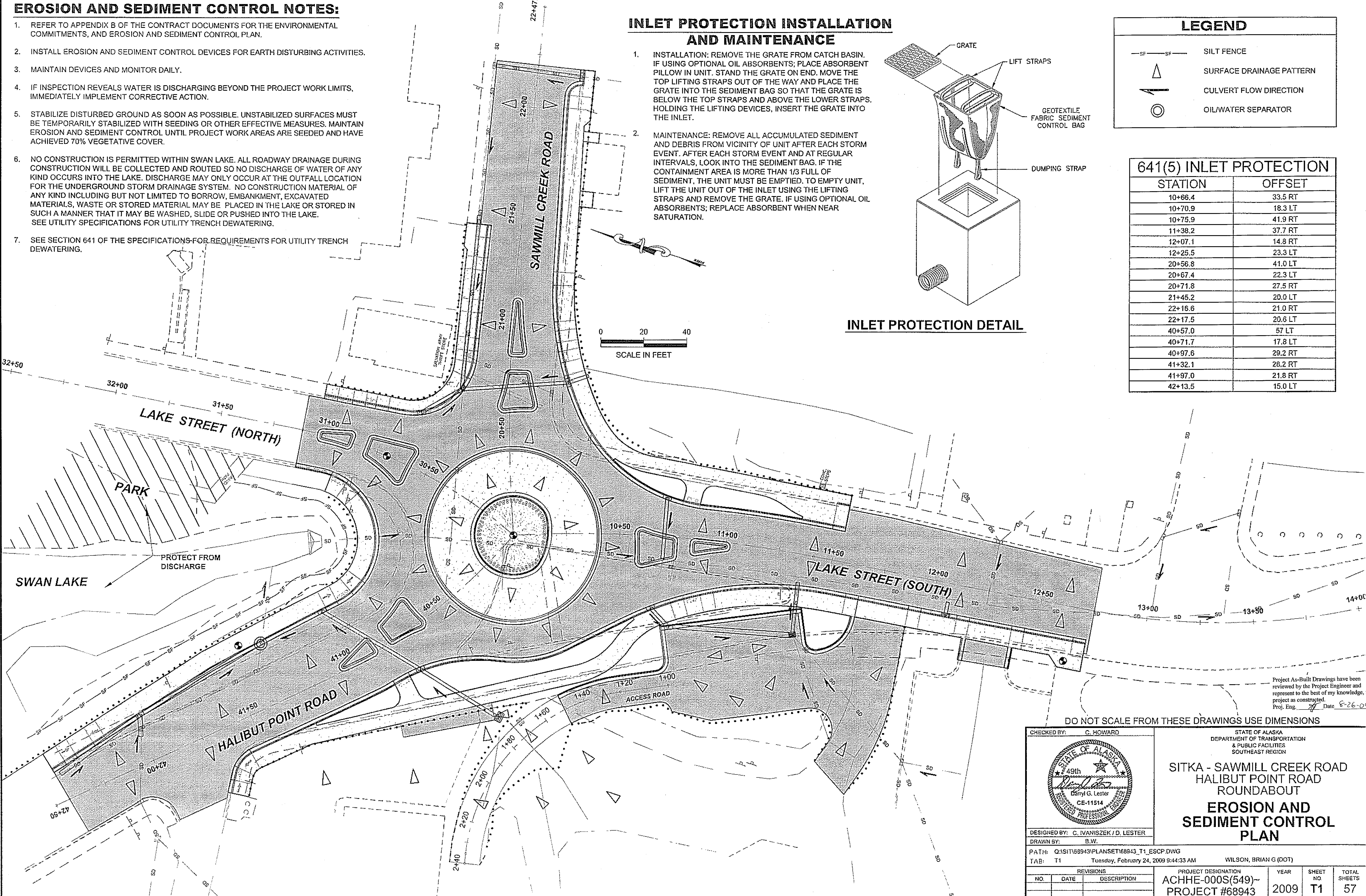
INLET PROTECTION DETAIL

LEGEND

- SF—SF— SILT FENCE
- △ SURFACE DRAINAGE PATTERN
- CULVERT FLOW DIRECTION
- OIL/WATER SEPARATOR

641(5) INLET PROTECTION

STATION	OFFSET
10+66.4	33.5 RT
10+70.9	18.3 LT
10+75.9	41.9 RT
11+38.2	37.7 RT
12+07.1	14.8 RT
12+25.5	23.3 LT
20+56.8	41.0 LT
20+67.4	22.3 LT
20+71.8	27.5 RT
21+45.2	20.0 LT
22+16.6	21.0 RT
22+17.5	20.6 LT
40+57.0	57 LT
40+71.7	17.8 LT
40+97.6	29.2 RT
41+32.1	28.2 RT
41+97.0	21.8 RT
42+13.5	15.0 LT



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. [Signature] Date 6-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD



DESIGNED BY: C. IVANISZEK / D. LESTER
DRAWN BY: B.W.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SITKA - SAWMILL CREEK ROAD
HALIBUT POINT ROAD
ROUNDBOUT

**EROSION AND
SEDIMENT CONTROL
PLAN**

PATH: Q:\SIT\68943\PLANSET\68943_T1_ESCP.DWG
TAB: T1 Tuesday, February 24, 2009 9:44:33 AM WILSON, BRIAN G (DOT)

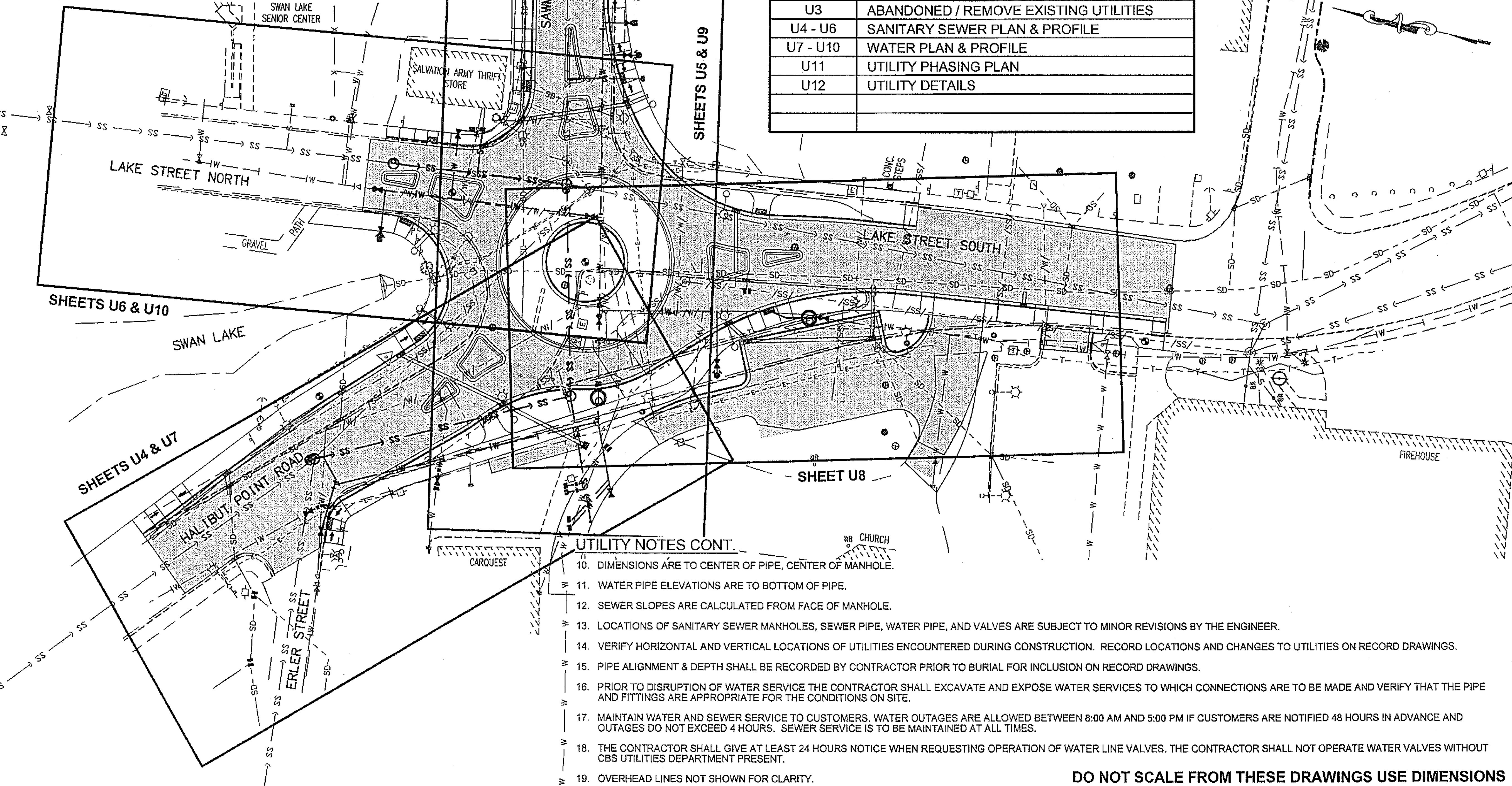
REVISIONS			PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943	YEAR 2009	SHEET NO. T1	TOTAL SHEETS 57
NO.	DATE	DESCRIPTION				

UTILITY NOTES:

1. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY EXACT LOCATION BY OBTAINING UTILITY LOCATES PRIOR TO START OF CONSTRUCTION, FIELD LOCATING EACH UTILITY AND EXERCISING CAUTION DURING EXCAVATION. (LOCATES PHONE# W/S 907-747-1884. COMM. ACS, & GCI 811).
2. TOPOGRAPHICAL INFORMATION IS TAKEN FROM A TOPO SURVEY PERFORMED BY DOT&PF JANUARY 2006 AND A PARTIAL UTILITY SURVEY PERFORMED BY O'NEILL SURVEYING AND ENGINEERING DATED 12-11-2008.
3. WATER DISTRIBUTION SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, THE PROJECT SPECIFICATIONS AND ADEC REGULATIONS CONTAINED IN 18-ACC-80, DRINKING WATER.
4. SEWER COLLECTION SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, THE PROJECT SPECIFICATIONS AND ADEC REGULATIONS CONTAINED IN 18-ACC-72, WASTEWATER DISPOSAL.
5. MAINTAIN 10 FOOT HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN SEWER AND WATER LINES AT ANY POINT. ALSO STORM DRAIN AND WATERLINES, EXCEPT AS SHOWN ON PLANS.
6. WATER MAINS SHALL CROSS OVER THE TOP OF SEWER MAINS WITH 18 INCHES OF SEPARATION BETWEEN THE OUTSIDE EDGES OF THE PIPES. THE WATER LINE JOINTS SHALL BE AT LEAST 9 FEET FROM THE SEWER JOINTS.
7. WATER PIPE SHALL HAVE FULLY THRUST RESTRAINED JOINTS AND SHALL BE CLASS 52 DUCTILE IRON PIPE (DIP) OR HDPE.
8. SEWER PIPE SHALL BE CLASS 50 DUCTILE IRON PIPE (DIP) OR HDPE.
9. MAINTAIN 5-FEET MINIMUM COVER ON WATER LINES AND 4-FEET MINIMUM COVER ON SEWER LINES.

LEGEND				
ITEM	EXISTING	REMOVE OR ABANDON	PROPOSED	LABEL
SANITARY SEWER PIPE	→ SS →	/SS/ - - - /SS/ - - -	→ SS →	SP-1
SANITARY SEWER MANHOLE	(S)		⊙	13-1
SANITARY SEWER SERVICE	- S -	/SS/ - - - /SS/ - - -	- S -	CO13-11
SANITARY SEWER CLEAN OUT	○ SS		○	
WATER PIPE	- W -	/W/ - - - /W/ - - -	- W -	WP-1
WATER METER MANHOLE			⊙	WM-1
WATER SERVICE	- W -	/W/ - - - /W/ - - -	- W -	
STORM DRAIN PIPE	- SD -			

INDEX	
SHEET NO.	DESCRIPTION
U1	RSA INDEX & SHEET LAYOUT
U2	UTILITY TYPICAL SECTION
U3	ABANDONED / REMOVE EXISTING UTILITIES
U4 - U6	SANITARY SEWER PLAN & PROFILE
U7 - U10	WATER PLAN & PROFILE
U11	UTILITY PHASING PLAN
U12	UTILITY DETAILS



UTILITY NOTES CONT.

10. DIMENSIONS ARE TO CENTER OF PIPE, CENTER OF MANHOLE.
11. WATER PIPE ELEVATIONS ARE TO BOTTOM OF PIPE.
12. SEWER SLOPES ARE CALCULATED FROM FACE OF MANHOLE.
13. LOCATIONS OF SANITARY SEWER MANHOLES, SEWER PIPE, WATER PIPE, AND VALVES ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
14. VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES ENCOUNTERED DURING CONSTRUCTION. RECORD LOCATIONS AND CHANGES TO UTILITIES ON RECORD DRAWINGS.
15. PIPE ALIGNMENT & DEPTH SHALL BE RECORDED BY CONTRACTOR PRIOR TO BURIAL FOR INCLUSION ON RECORD DRAWINGS.
16. PRIOR TO DISRUPTION OF WATER SERVICE THE CONTRACTOR SHALL EXCAVATE AND EXPOSE WATER SERVICES TO WHICH CONNECTIONS ARE TO BE MADE AND VERIFY THAT THE PIPE AND FITTINGS ARE APPROPRIATE FOR THE CONDITIONS ON SITE.
17. MAINTAIN WATER AND SEWER SERVICE TO CUSTOMERS. WATER OUTAGES ARE ALLOWED BETWEEN 8:00 AM AND 5:00 PM IF CUSTOMERS ARE NOTIFIED 48 HOURS IN ADVANCE AND OUTAGES DO NOT EXCEED 4 HOURS. SEWER SERVICE IS TO BE MAINTAINED AT ALL TIMES.
18. THE CONTRACTOR SHALL GIVE AT LEAST 24 HOURS NOTICE WHEN REQUESTING OPERATION OF WATER LINE VALVES. THE CONTRACTOR SHALL NOT OPERATE WATER VALVES WITHOUT CBS UTILITIES DEPARTMENT PRESENT.
19. OVERHEAD LINES NOT SHOWN FOR CLARITY.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
I:\1126800\DWGS\1126800-U1.DWG

Wednesday, February 18, 2009 1:22:06 PM
TAB: U1 BILL PADDOCK

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 2-26-09

PLAN LEGEND

CHECKED BY: NCL

DESIGNED BY: RK
DRAWN BY: WJP, KB, JRH

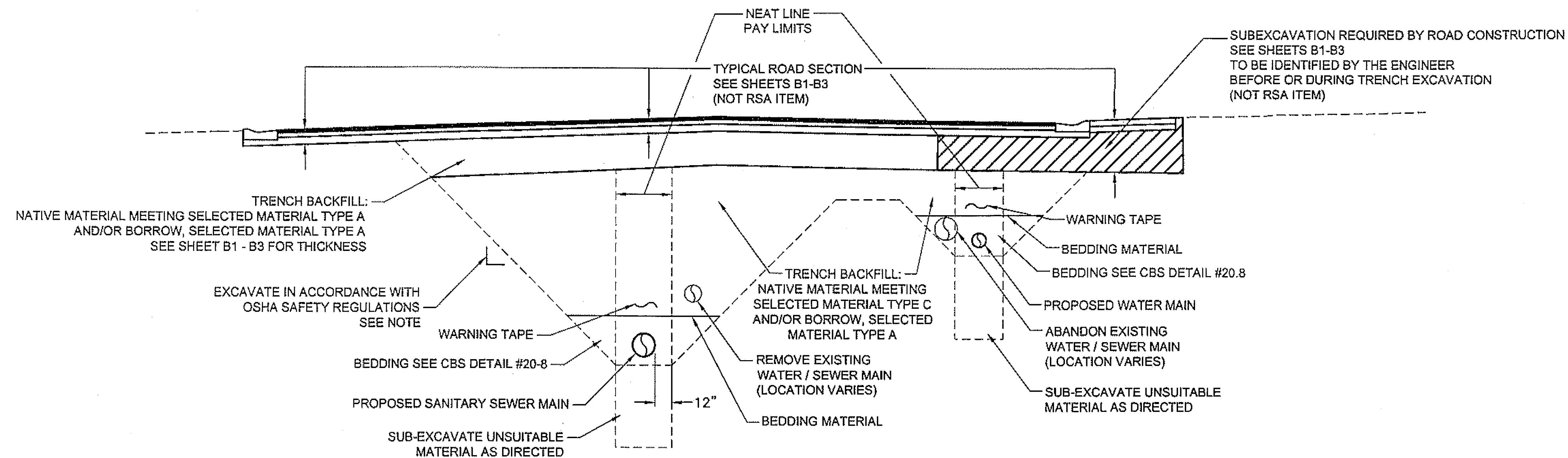
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
RSA No. 68852
RSA INDEX & SHEET LAYOUT

PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
U1	57



TYPICAL UTILITY TRENCH SECTION

NTS

NOTE:

NO GEOTECHNICAL INVESTIGATION WAS PERFORMED FOR THIS PROJECT. DOT&PF HAS A GEOTECHNICAL LETTER THAT REVIEWS PREVIOUS GEOTECHNICAL REPORTS FOR HALIBUT POINT ROAD. (AVAILABLE UPON REQUEST) REPORTS FROM CONTRACTORS THAT INSTALLED THE EXISTING UTILITIES IN THE 1960'S INDICATE THAT THE EXISTING UTILITIES AND ROAD BASE WERE BUILT USING BEACH SAND. THE AREA AROUND NORTH LAKE STREET IS ALSO REPORTED TO BE CONSTRUCTED OVER PEAT. THE SURVEY CREW NOTICED WATER SQUIRTING THROUGH HOLES IN THE 60" SWAN LAKE CULVERT. THIS AND PROXIMITY TO SWAN LAKE INDICATES A HIGH GROUND WATER TABLE. THE CONTRACTOR SHOULD EXPECT AND BE PREPARED FOR RUNNING SANDS. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO MAINTAIN SAFE EXCAVATIONS. THIS MAY INCLUDE; BUT IS NOT LIMITED TO: DEWATERING WELLS, TRENCH BOXES, SHORING SHEETING AND BRACING.

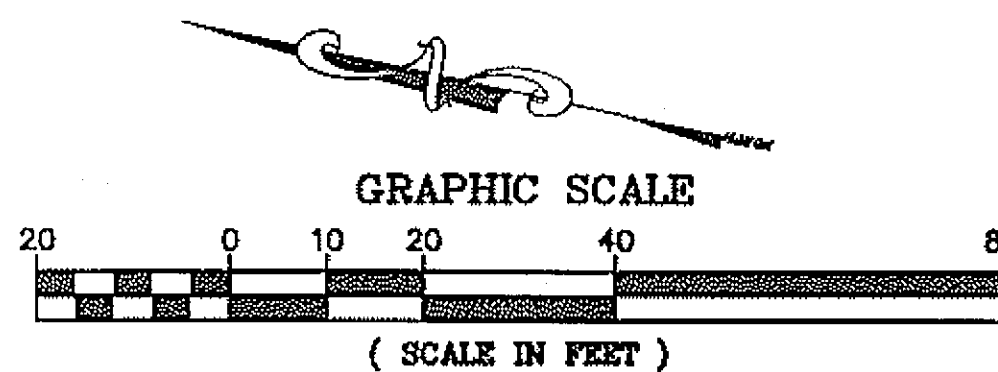
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Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
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CHECKED BY: NCL		
DESIGNED BY: RK		
DRAWN BY: WJP, KB, JRH		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION		
SAWMILL CREEK ROAD--HALIBUT POINT ROAD ROUNDABOUT RSA No. 68852		
UTILITY TYPICAL SECTION		
PROJECT DESIGNATION		
ACHHE-000S(549)-68943		
STATE	YEAR	
ALASKA	2009	
SHEET NUMBER	TOTAL SHEETS	
U2	57	

NOTE:

1. CAUTION! TRANSITE PIPE CONTAINS ASBESTOS. THE CONTRACTOR SHALL HANDLE TRANSITE PIPE IN ACCORDANCE WITH THEIR APPROVED ASBESTOS ABATEMENT PLAN.
2. SEE D SHEETS FOR REMOVAL OF STORM DRAIN AND ROAD STRUCTURES.
3. CUT AND CAP EXPOSED ENDS OF EXISTING WATER AND SEWER LINES TO BE ABANDONED IN PLACE.

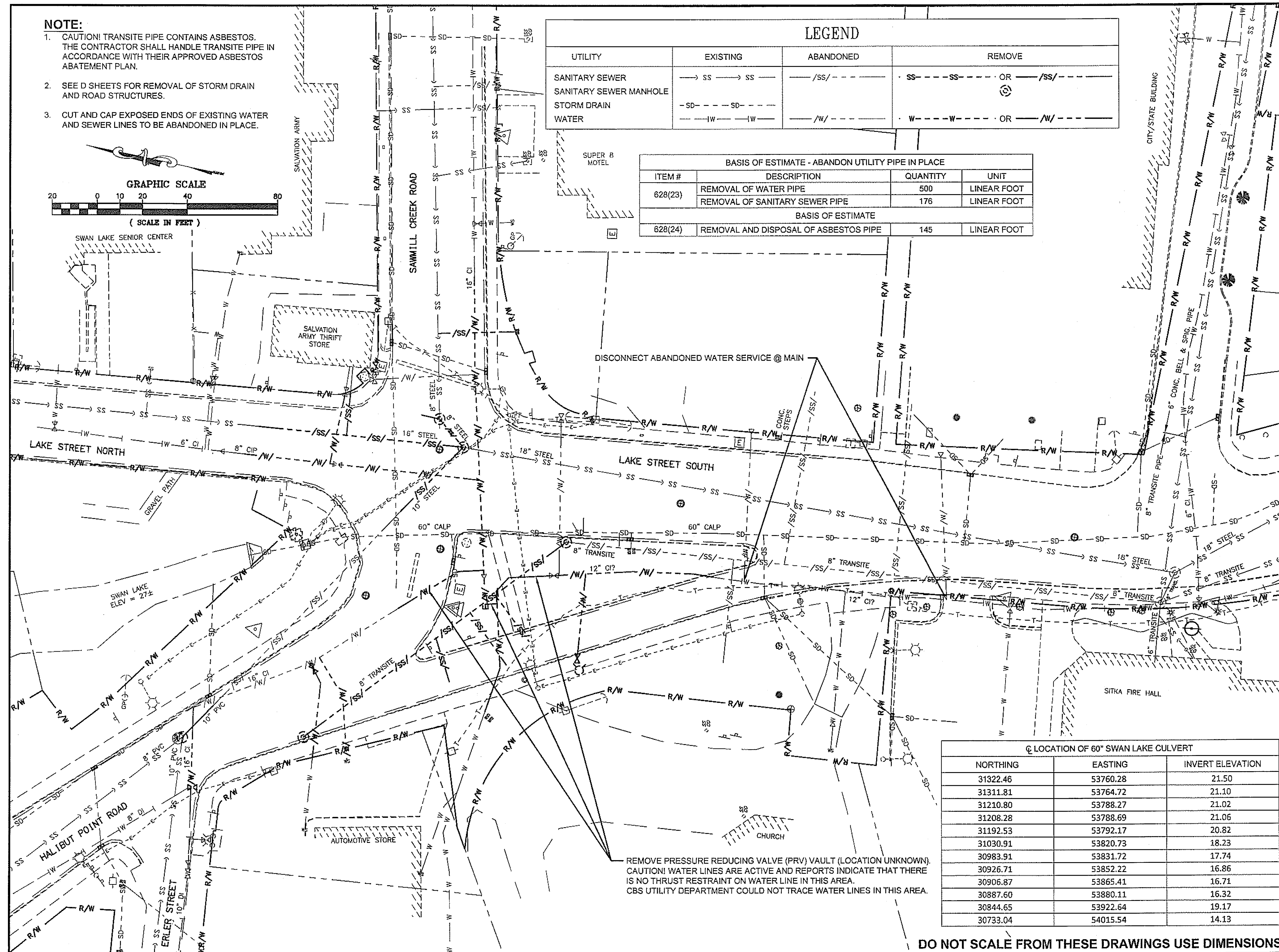


LEGEND

UTILITY	EXISTING	ABANDONED	REMOVE
SANITARY SEWER	→ SS → SS →	— /SS/ —	SS — SS — OR — /SS/ —
SANITARY SEWER MANHOLE			⊙
STORM DRAIN	— SD — SD —		
WATER	— W — W —	— /W/ —	W — W — OR — /W/ —

BASIS OF ESTIMATE - ABANDON UTILITY PIPE IN PLACE

ITEM #	DESCRIPTION	QUANTITY	UNIT
628(23)	REMOVAL OF WATER PIPE	500	LINEAR FOOT
	REMOVAL OF SANITARY SEWER PIPE	176	LINEAR FOOT
BASIS OF ESTIMATE			
628(24)	REMOVAL AND DISPOSAL OF ASBESTOS PIPE	145	LINEAR FOOT



PATH: \\11288001DWG\SHEETS\1128800-U3.DWG

Wednesday, February 10, 2009 12:16:57 PM
TAB: U3 BILL PADDOCK

ADDENDUM NUMBER

ATTACHMENT NUMBER

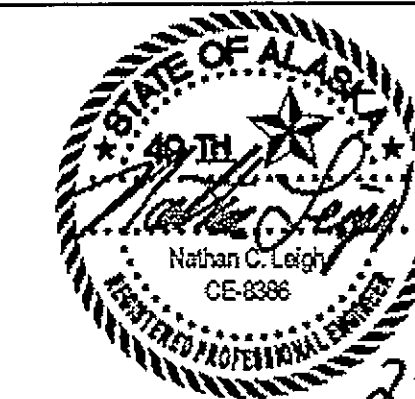
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

PLAN LEGEND

CHECKED BY: NCL



DESIGNED BY: RK

DRAWN BY: WJP, JRH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
RSA No. 68852

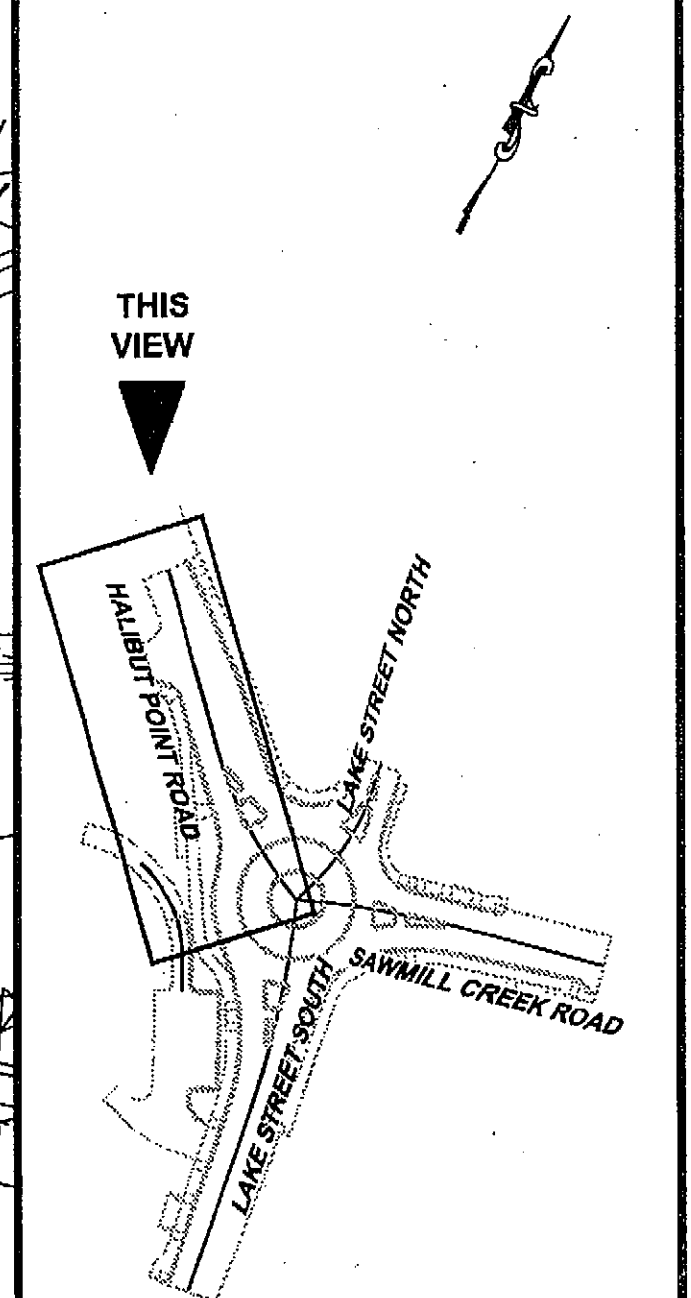
ABANDON / REMOVE
EXISTING UTILITIES

PROJECT DESIGNATION

ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
U3	57

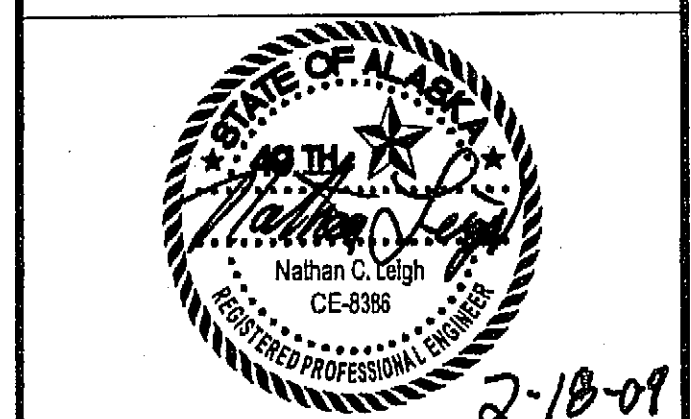
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Date 9-7-09

PLAN LEGEND

CHECKED BY: NCL



DESIGNED BY: RK

DRAWN BY: WJP, KB, JRH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
RSA No. 68852

SANITARY SEWER
PLAN & PROFILE

PROJECT DESIGNATION

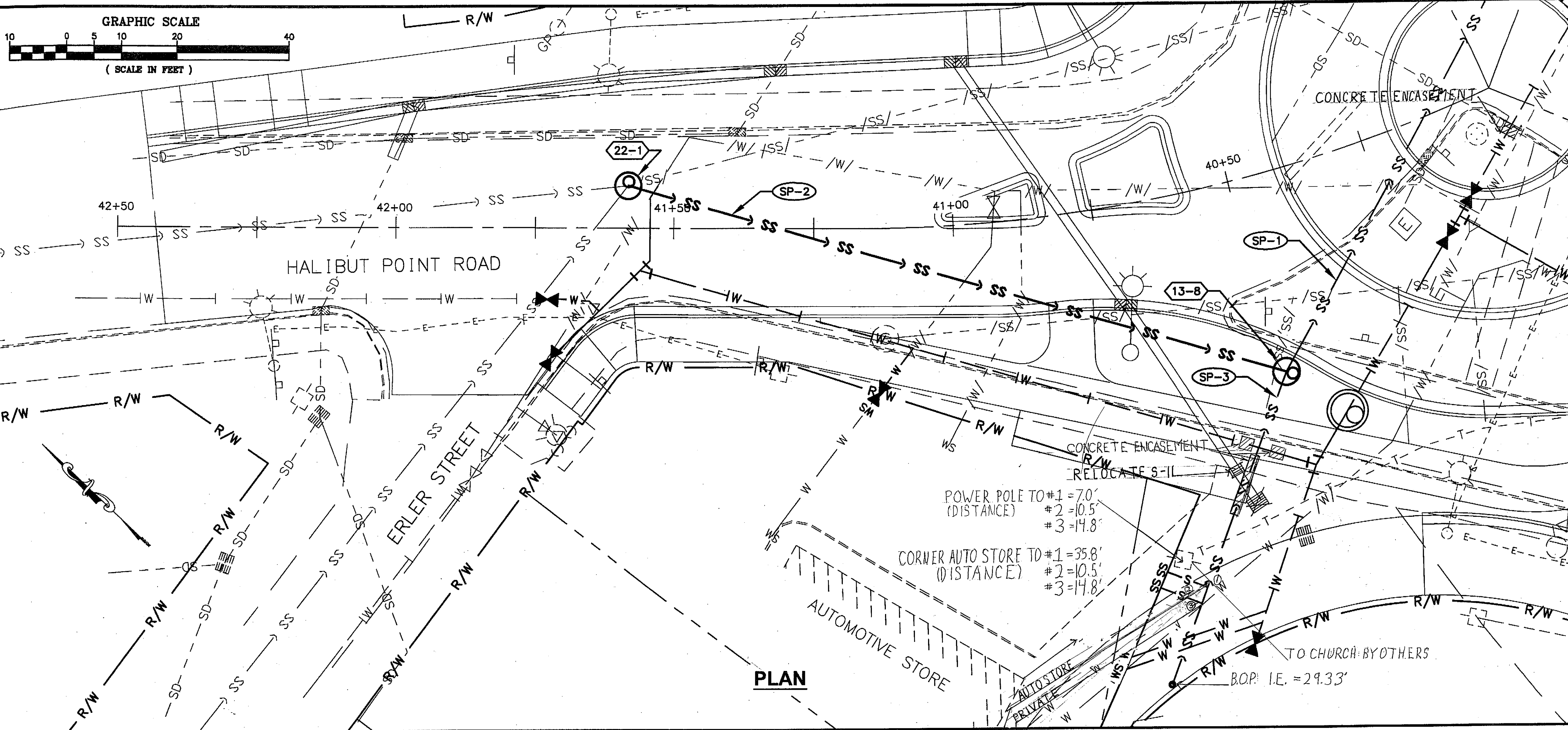
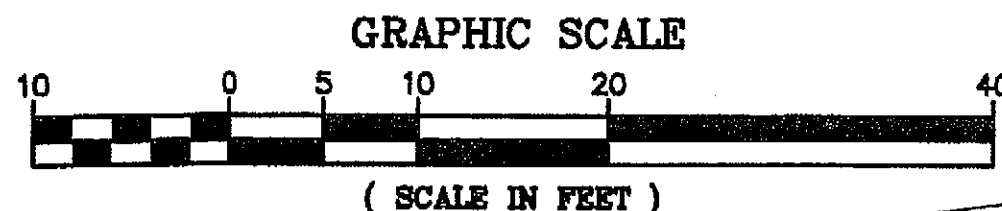
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STATE YEAR

ALASKA 2009

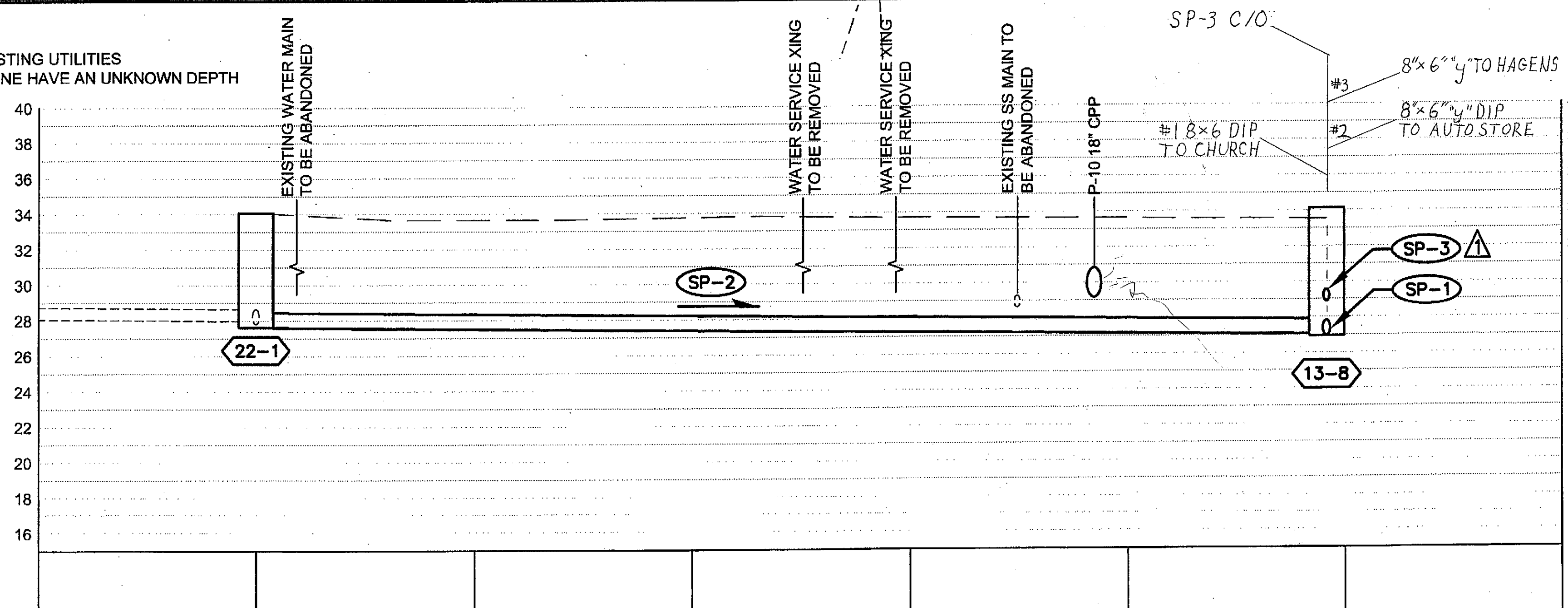
SHEET NUMBER TOTAL SHEETS

U4 57



PLAN

NOTE: VERTICAL LOCATIONS OF EXISTING UTILITIES REPRESENTED BY A BREAK LINE HAVE AN UNKNOWN DEPTH

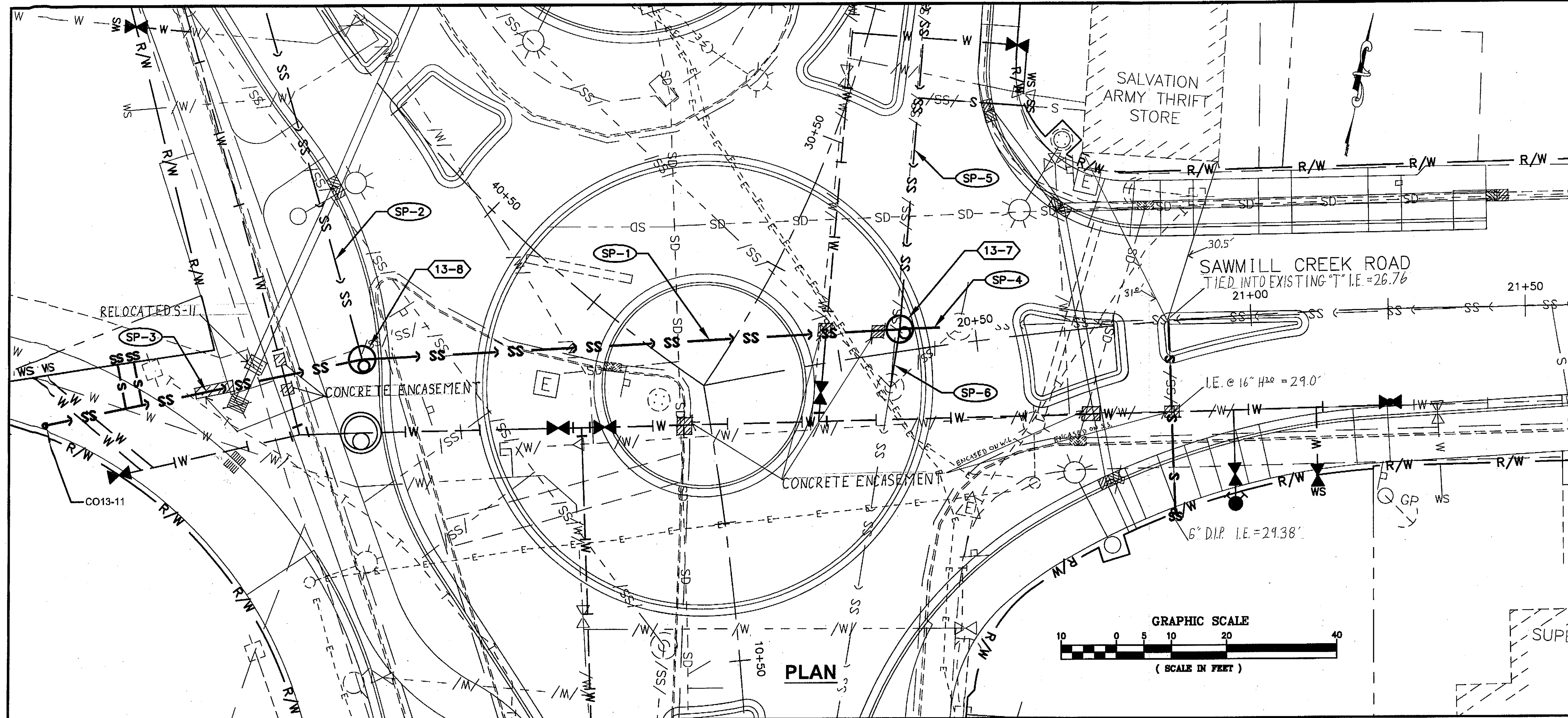


SANITARY SEWER PIPE SUMMARY TABLE			
PIPE	SIZE	LENGTH	SLOPE
SP-2	10"	123'	0.0046

22-1 MANHOLE, TYPE A
STA: 41+58.23, 7.58' RT.
RIM=34.05
NW INVERT IN=27.95 27.96
W INVERT IN=28.86 27.84
SE INVERT OUT=27.60 27.65

SANITARY SEWER PROFILE
HALIBUT POINT ROAD

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: R:\1128801\DWG\SC\1\SHEETS\1128800-U5.DWG

Thursday, May 07, 2009 9:58:33 AM

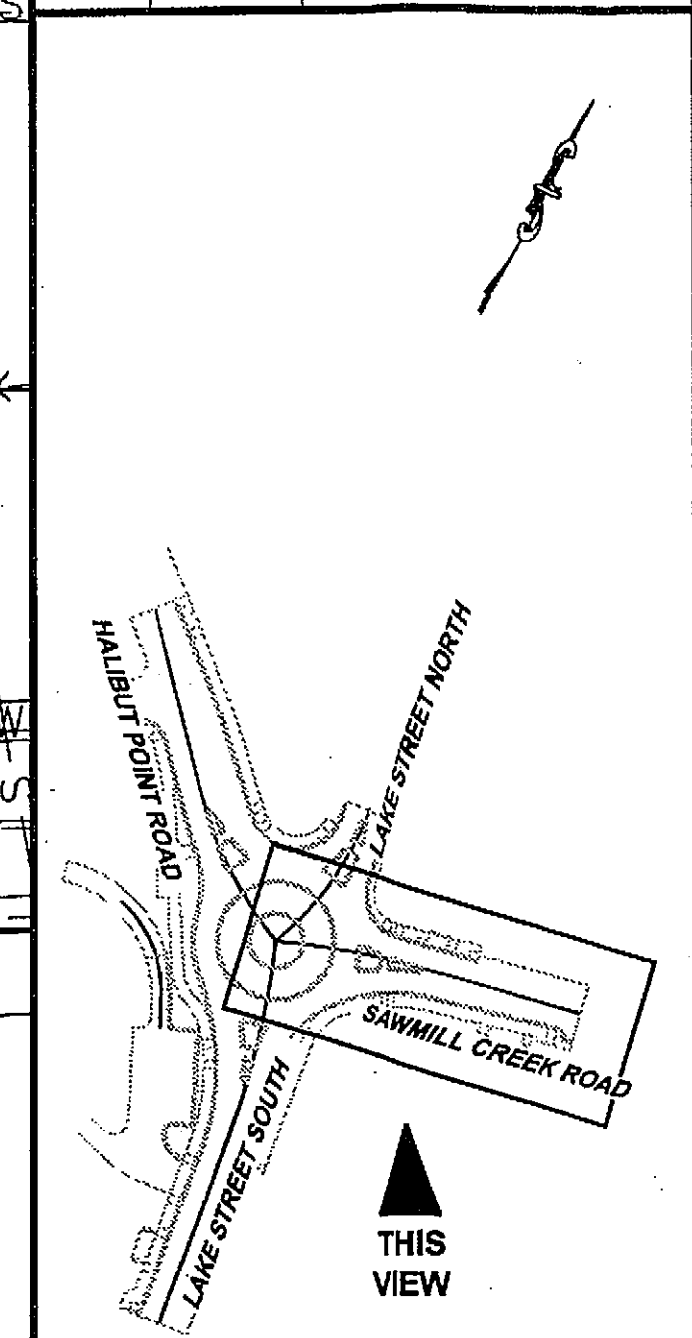
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ADDENDUM NUMBER

ATTACHMENT NUMBER

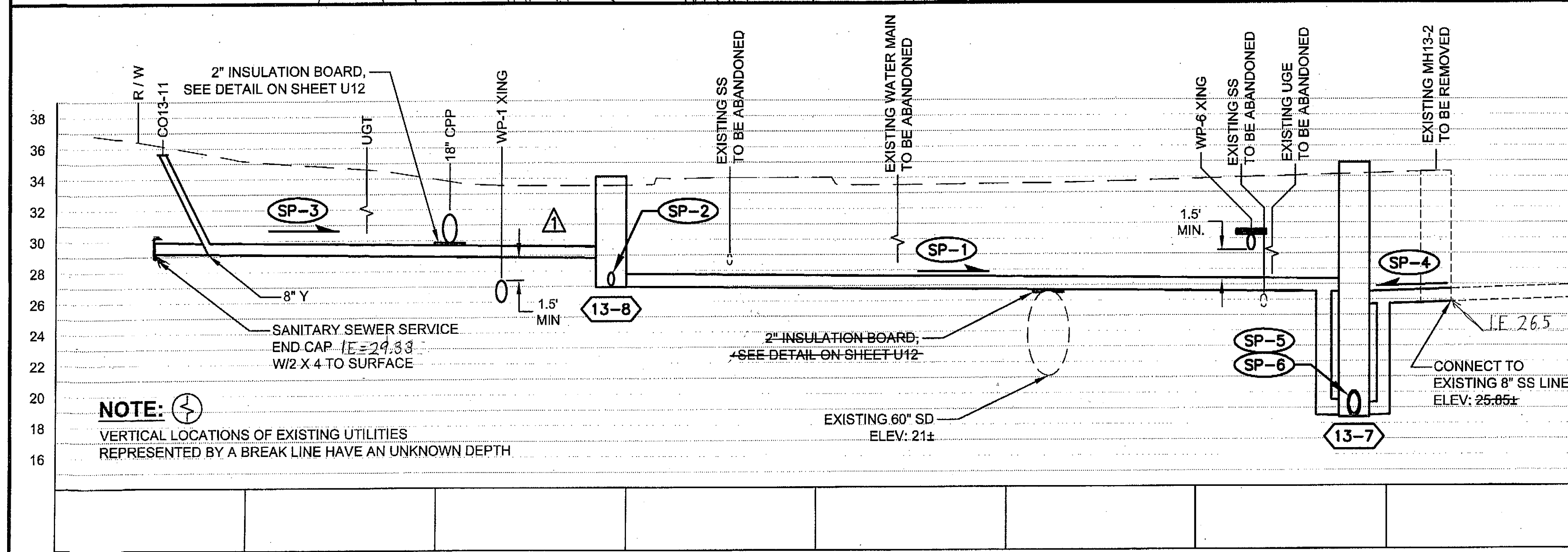
RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	5/4/2009	ADEC W/C XING
2	5/7/2009	60 INCH SD FLD. LOC.



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

PE Nathan C. Leigh Date 5-17-09



SANITARY SEWER SERVICE, GRAVITY 6"

STATION	OFFSET	LENGTH	REMARKS
40+66.51	69.82 LT	8'	SEE NOTE
40+67.73	72.41 LT	8'	SEE NOTE
40+73.68	85.73' LT	10'	TO CHURCH, SEE NOTE
20+85.01	0.25 LT	35'	INV = 29.0 MTE AT WATER LINE CROSSING

NOTE: LOCATIONS OF EXISTING SEWER SERVICES ARE UNKNOWN. CONTRACTOR TO LOCATE AND CONNECT TO EXISTING SERVICES AS DIRECTED.

SANITARY SEWER PIPE SUMMARY TABLE

PIPE	SIZE	LENGTH	SLOPE
SP-1	10"	98'	0.0046
SP-3	8"	60'	0.006
SP-4	8"	11'	0.016± MTE

13-8 MANHOLE, TYPE A STA: 40+48.10, 35.64' LT. RIM=34.10 NW INVERT IN=27.05 27.04 E INVERT OUT=26.95 26.97 SW INVERT IN=28.86 28.98 W/BEAVER SLIDE	13-7 MANHOLE, TYPE A STA: 30+25.34, 25.36' RT. RIM=34.90 N INVERT IN=18.60 18.66 E INVERT IN=25.60± W/DROP CONNECTION W INVERT IN=26.52 W/DROP CONNECTION S INVERT OUT=18.40 18.45
---	---

CO13-11 CLEANOUT STA: 40+73.68, 85.73' LT. RIM=35.63
--

DESIGNED BY: RK

DRAWN BY: WJP, KB, JRH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
RSA No. 68852

SANITARY SEWER PLAN & PROFILE

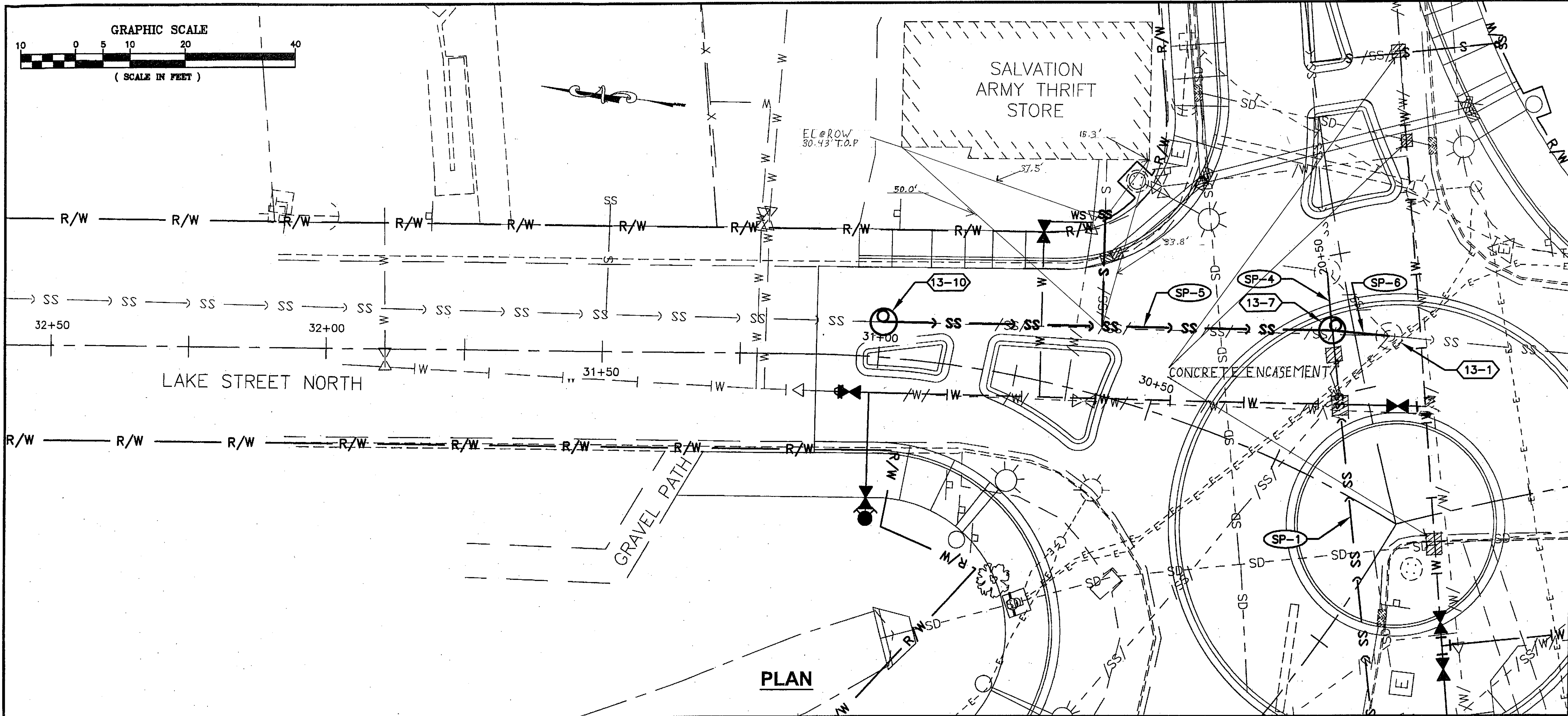
PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
U5	57

**SANITARY SEWER PROFILE
SAWMILL CREEK ROAD**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: \\1128801\DWGS\C\SHETS\1128800-U6.DWG
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 ADDENDUM NUMBER
 ATTACHMENT NUMBER
 RECORD OF REVISIONS

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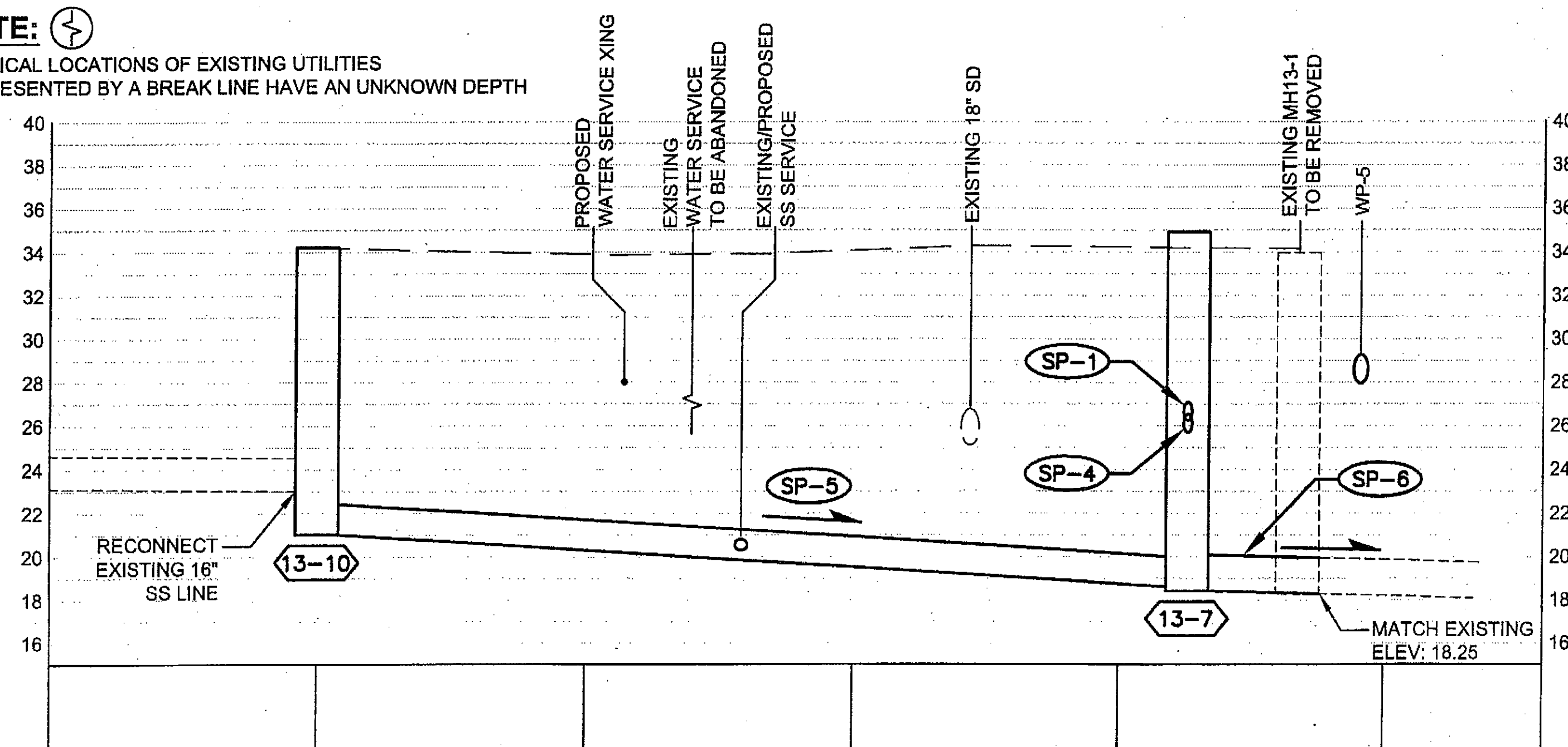
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE Date 9-17-04
 PLAN LEGEND

SANITARY SEWER SERVICE, GRAVITY 6"			
STATION	OFFSET	LENGTH	REMARKS
30+61.96	12.2 RT	20'	MTE

SANITARY SEWER PIPE SUMMARY TABLE			
PIPE	SIZE	LENGTH	SLOPE
SP-5	16"	82'	0.031
SP-6	18"	11'	0.013 (MTE)

13-10 MANHOLE, TYPE A
 STA: 30+99.59, 6.43' LT.
 RIM=34.20
 N INVERT IN=23.00± MTE 2.3.02
 S INVERT OUT=21.00 W/BEAVER SLIDE 21.02

NOTE:
 VERTICAL LOCATIONS OF EXISTING UTILITIES
 REPRESENTED BY A BREAK LINE HAVE AN UNKNOWN DEPTH



SANITARY SEWER PROFILE
LAKE STREET NORTH

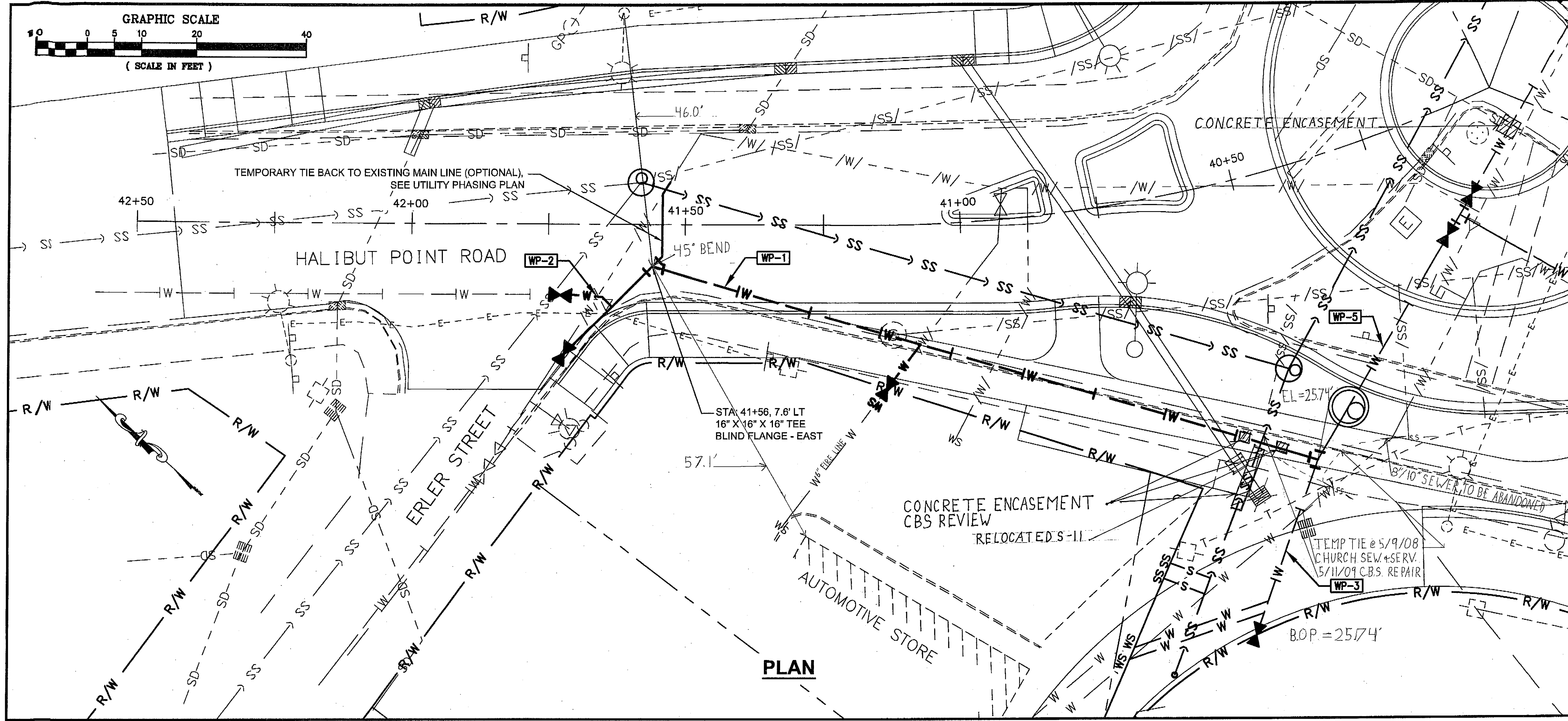
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: NCL

 DESIGNED BY: RK
 DRAWN BY: WJP, KB
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 SAWMILL CREEK ROAD-HALIBUT
 POINT ROAD ROUNDABOUT
 RSA No. 68852
**SANITARY SEWER
 PLAN & PROFILE**
 PROJECT DESIGNATION
ACHHE-000(549)-68943

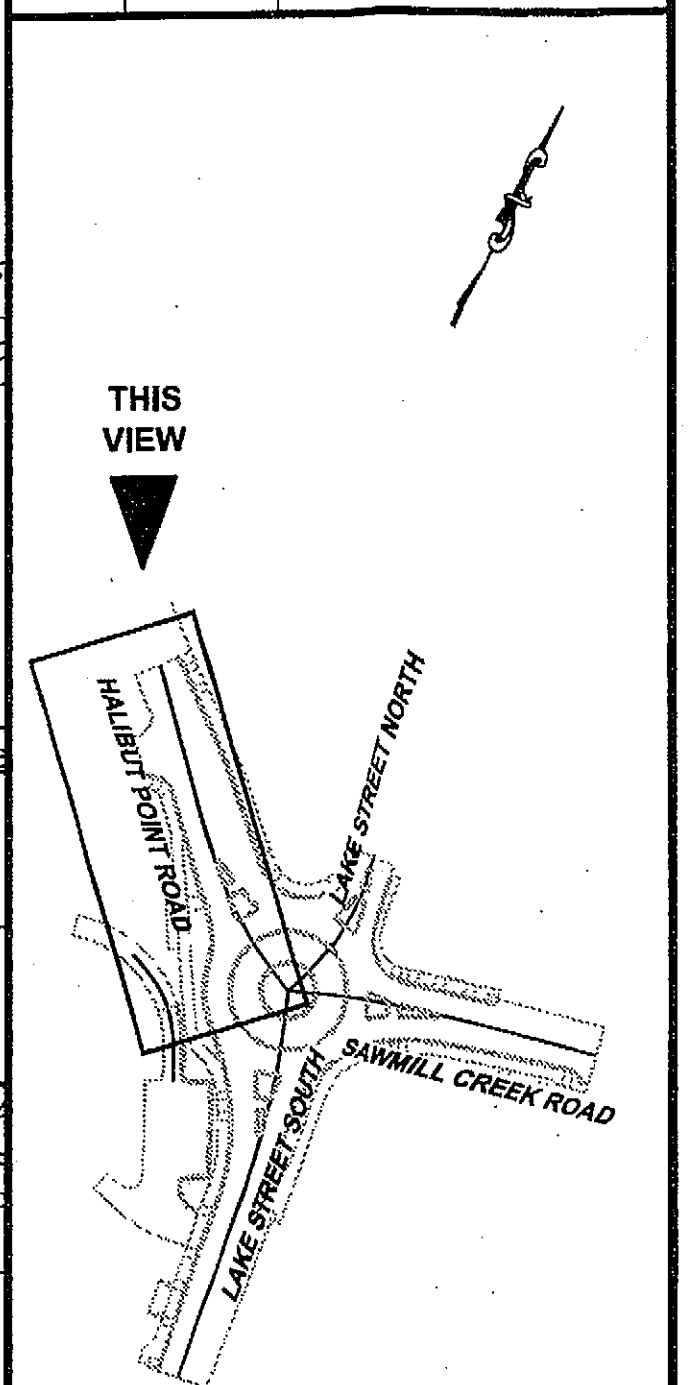
STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
U6	57



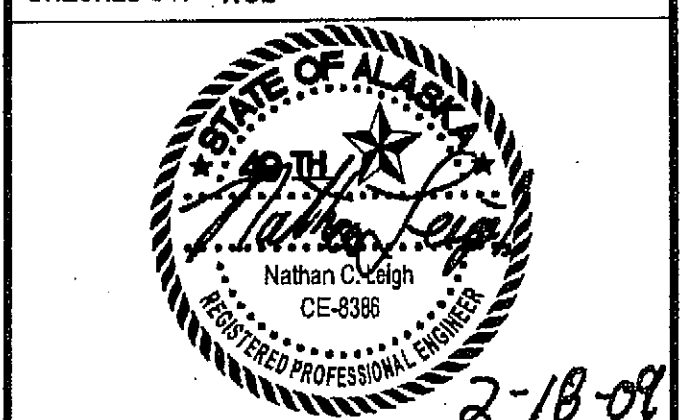
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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	5/4/2009	ADEC W/C XING
2	5/7/2009	ADEC W/C XING



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Date 2/17/09

PLAN LEGEND
CHECKED BY: NCL



DESIGNED BY: RK
DRAWN BY: WJP, KB, JRH
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
RSA No. 68852

PROJECT DESIGNATION	
ACHHE-000S(549)-68943	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
U7	57

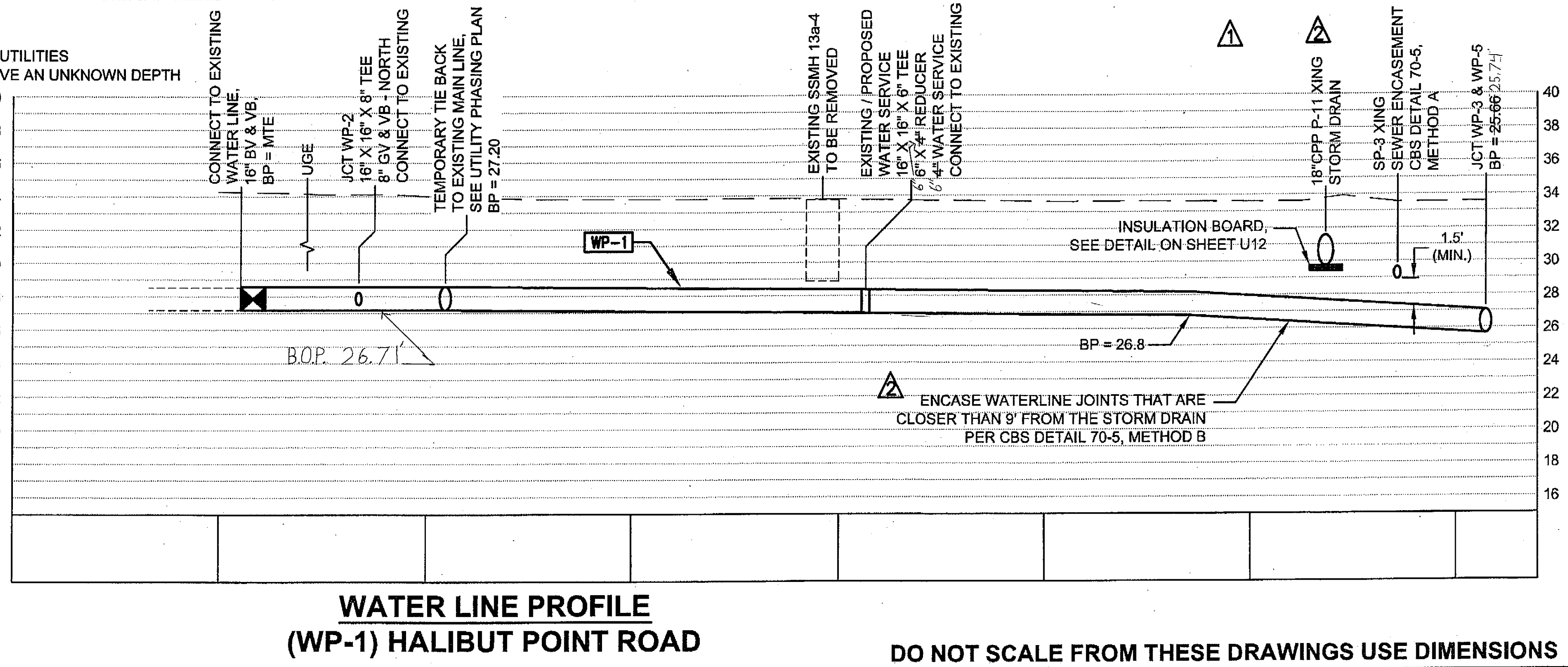
NOTE: VERTICAL LOCATIONS OF EXISTING UTILITIES REPRESENTED BY A BREAK LINE HAVE AN UNKNOWN DEPTH

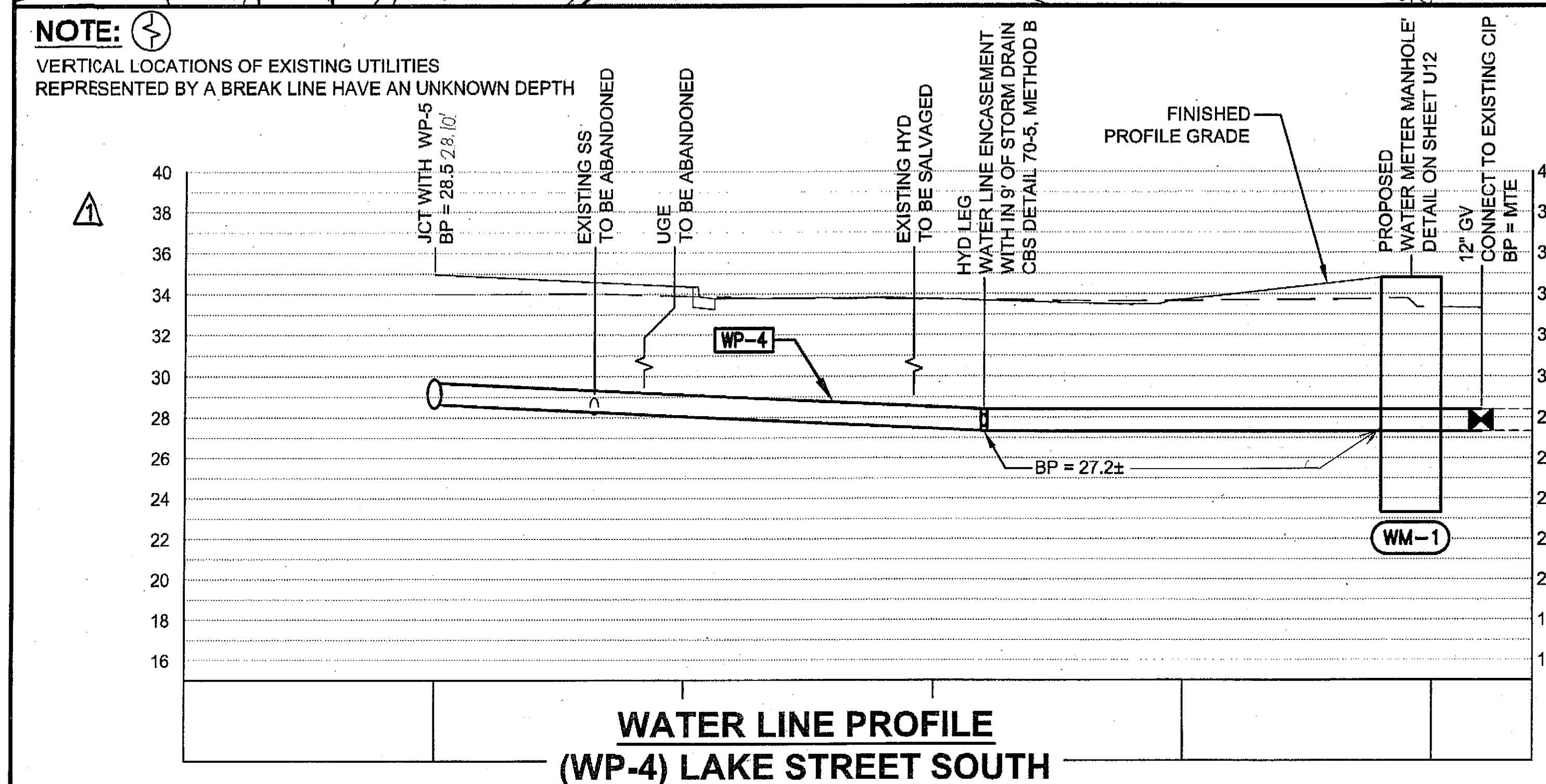
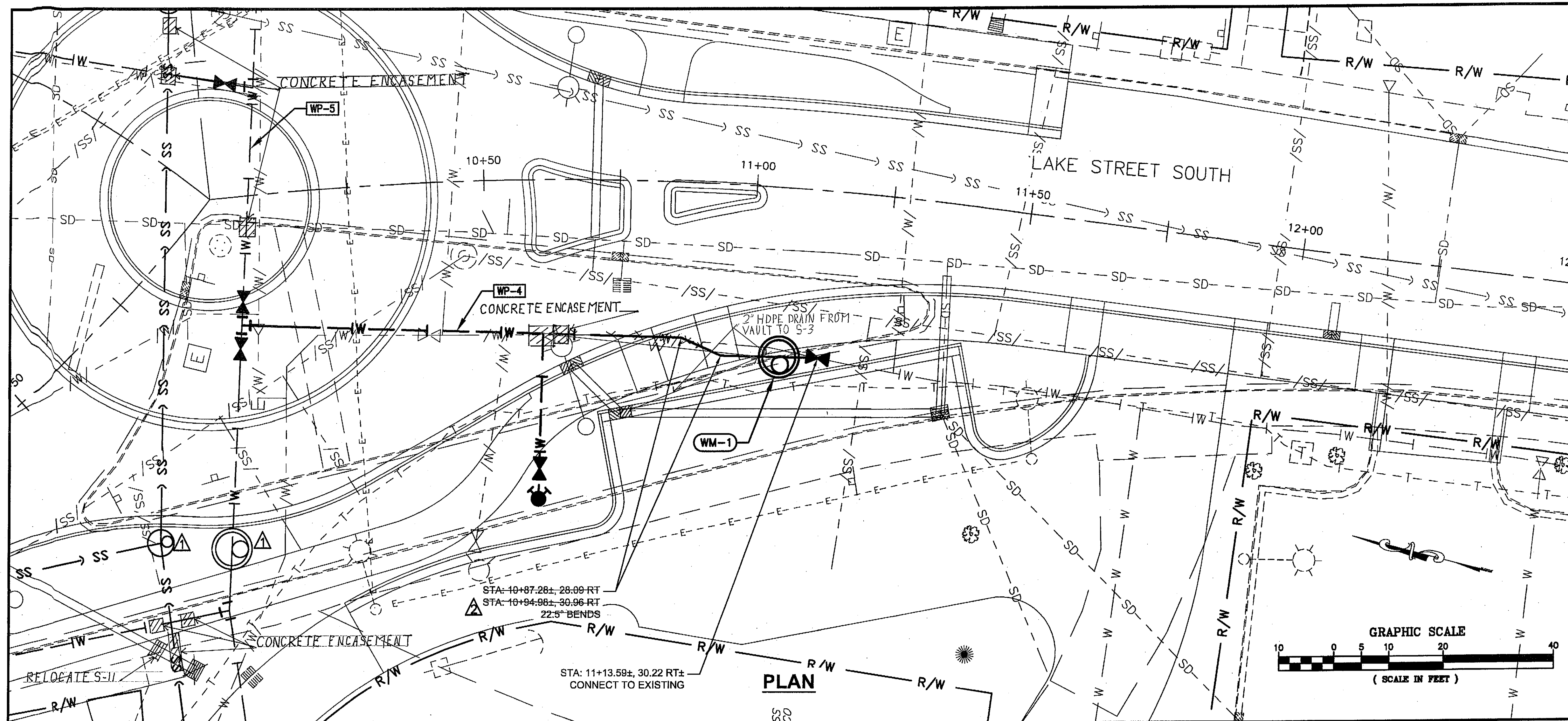
628 (27) SEWER ENCASEMENT			
STATION	QUANTITY	REMARKS	
40+55	1	SP-3 XING	
40+62	1	P-11 XING	

WATER SERVICE SUMMARY			
STATION	OFFSET	SIZE/LENGTH	REMARKS
41+07.75	21.73 LT.	4" - 10'	AUTOMOTIVE STORE FIRELINE

WATER PIPE SUMMARY			
PIPE	SIZE	LENGTH	SLOPE
WP-2	8"	10'	MTE
WP-1	16"	151'	PLAN

WATER VALVE SUMMARY			
STATION	OFFSET	SIZE/TYPE	REMARKS
41+72.05	23.42 LT	16" BV	WP-1 ERLER ST., LOCATE VALVE OUTSIDE OF CURB & GUTTER
41+72.84	12.84 LT	8" GV	WP-2, HALIBUT POINT ROAD





628 (27) SEWER ENCASEMENT		
STATION	QUANTITY	REMARKS
10+60	1	ENCASE WATER LINE JOINTS WITHIN 9' OF STORM DRAIN

FIRE HYDRANT ASSEMBLY		
STATION	OFFSET	REMARKS
10+60	57.41 RT	SINGLE PUMPER

WATER PIPE SUMMARY		
PIPE	SIZE	LENGTH
WP-4	12"	105'

WATER METER MANHOLES				
STRUCTURE	STATION	OFFSET	RIM	REMARKS
WM-1	11+06.20	30.58 RT	34.80	ROTATE MH TOP SO MH COVER IS OUTSIDE OF SIDEWALK AND PARKING LOT CURB

WATER VALVE SUMMARY				
STATION	OFFSET	SIZE/TYPE	REMARKS	
11+13.59	30.22 RT	12" GV	WP-4 MAIN, LOCATE VALVE BOX OUT OF SIDEWALK AND PARKING LOT CURB	

PATH:
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Thursday, May 07, 2009 9:55:26 AM

TAB: U6

BILL PADDOCK

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	5/4/2009	ADEC W/C XING
2	5/7/2009	ADEC W/C XING

PLAN LEGEND

CHECKED BY: NCL

STATE OF ALASKA

Nathan C. Leigh

CE-6386

2-18-09

DESIGNED BY: RK

DRAWN BY: WJP, KB, JRH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
RSA No. 68852

UTILITY
PLAN & PROFILE

PROJECT DESIGNATION

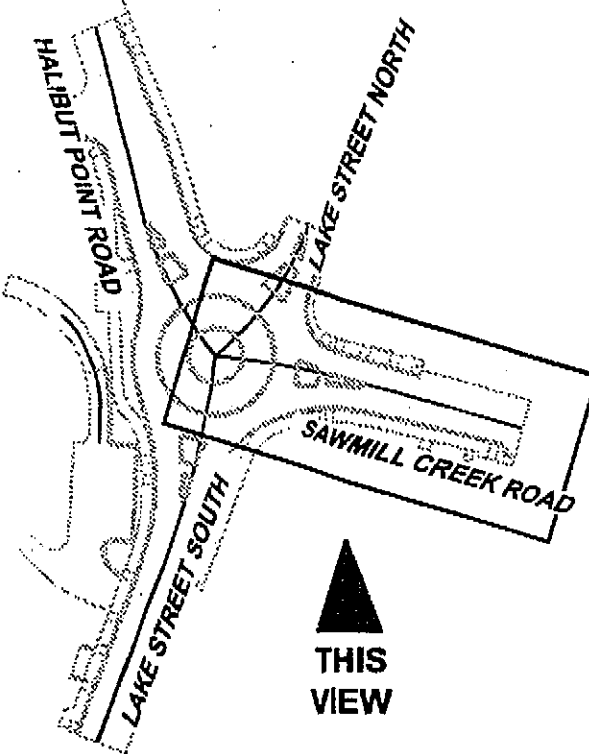
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
U8	57

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
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Δ	5/7/2009	ADEC W/C KING

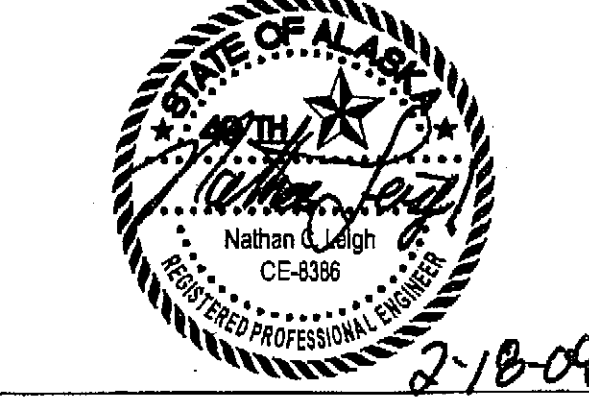
NOTE:
① Contaminated soil found - Sta. 21+20(±) to 40 Serv @ Sta. 21+11(±). Depth @ 4' (5' to 6' ±) on both sides of trench @ Sta. 21+20 ± only on South side @ Sta. 21+11. (4/30/09 → 5/1/09)
② CBS 12" Water Valve installed 5/6/09 @ Sta. 10+11(±) Rt.



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 7-17-09

PLAN LEGEND

CHECKED BY: NCL



DESIGNED BY: RK
DRAWN BY: WJP, KB, JRH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

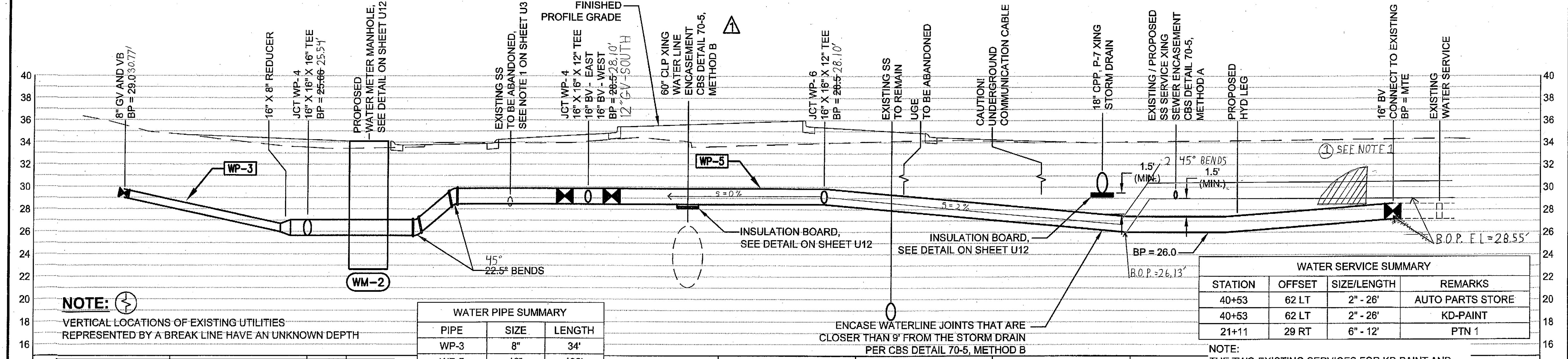
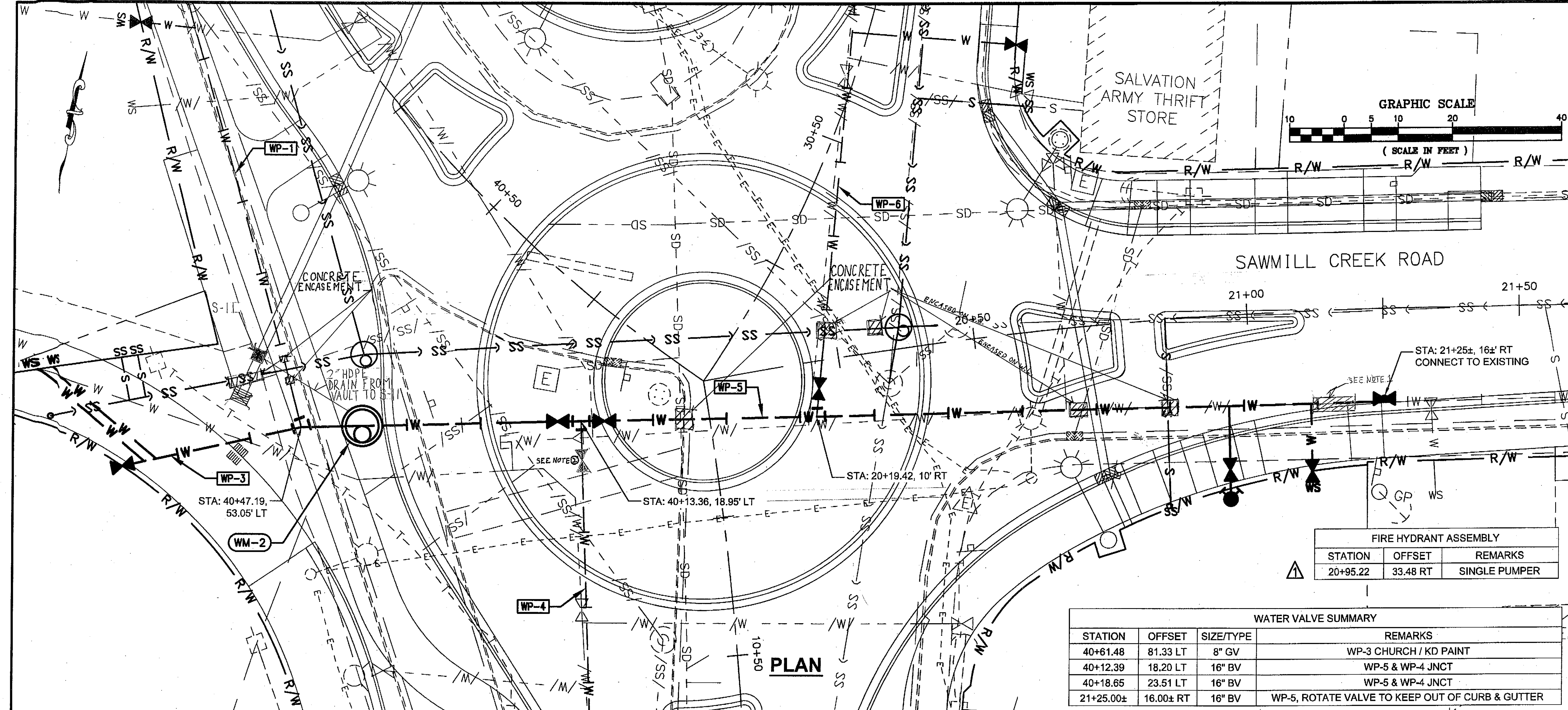
SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
RSA No. 68852

WATER
PLAN & PROFILE

PROJECT DESIGNATION

ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
U9	57



NOTE: ① VERTICAL LOCATIONS OF EXISTING UTILITIES REPRESENTED BY A BREAK LINE HAVE AN UNKNOWN DEPTH

628 (27) SEWER ENCASUREMENT		
STATION	QUANTITY	REMARKS
10+06	1	60" CLP XING WATER LINE ENCASUREMENT
20+85	1	6" SEWER XING
20+71	1	P-7 XING

WATER PIPE SUMMARY		
PIPE	SIZE	LENGTH
WP-3	8"	34'
WP-5	16"	198'

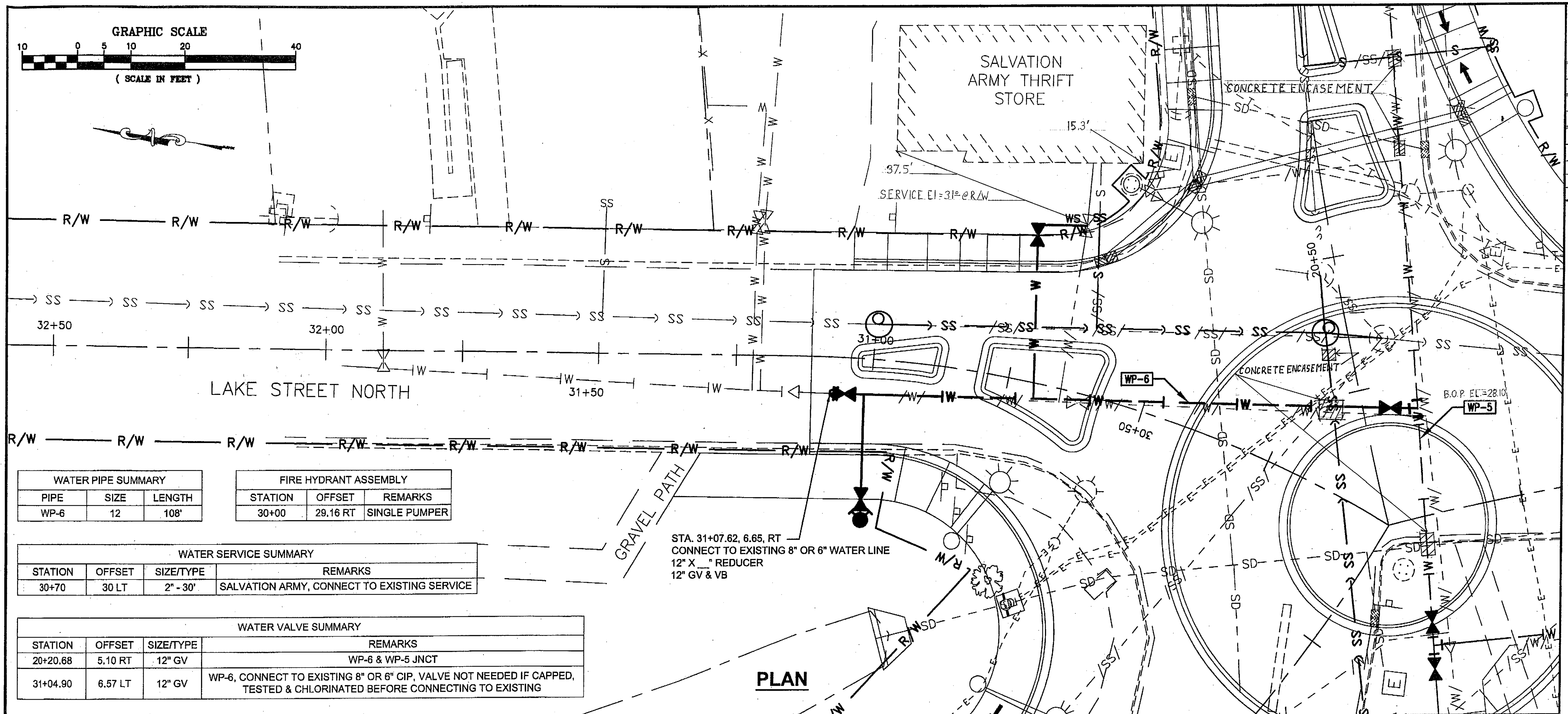
WATER METER MANHOLES			
STRUCTURE	STATION	OFFSET	RIM
WM-2	40+40.47	45.26 LT	34.10

WATER SERVICE SUMMARY			
STATION	OFFSET	SIZE/LENGTH	REMARKS
40+53	62 LT	2" - 26'	AUTO PARTS STORE
40+53	62 LT	2" - 26'	KD-PAINT
21+11	29 RT	6" - 12'	PTN 1

NOTE:
THE TWO EXISTING SERVICES FOR KD-PAINT AND THE AUTO PARTS STORE MAY BE COMBINED. UNCOVER AND RECONNECT AS DIRECTED.

WATER LINE PROFILE
(WP-3 & WP-5) SAWMILL CREEK ROAD

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



WATER PIPE SUMMARY		
PIPE	SIZE	LENGTH
WP-6	12	108'

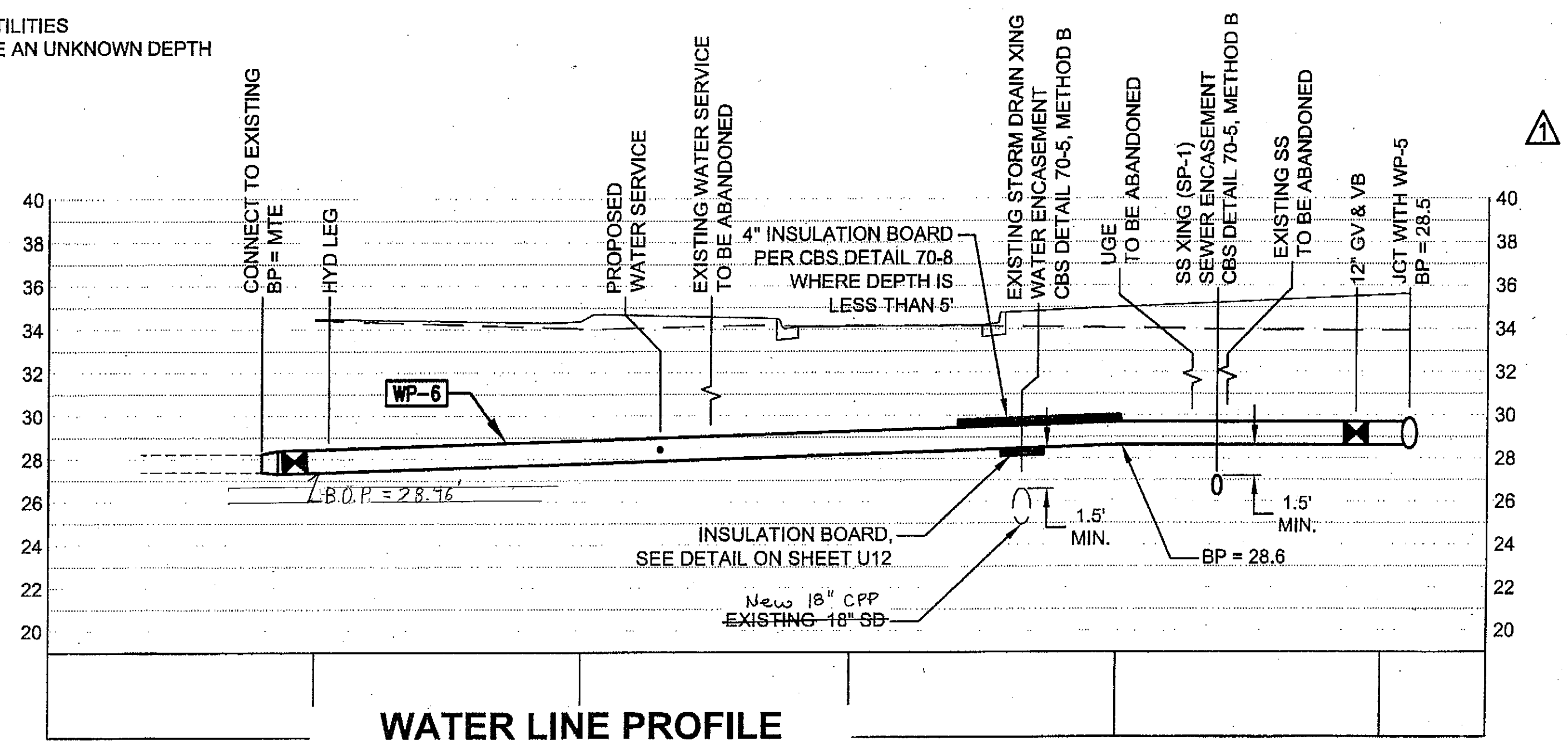
FIRE HYDRANT ASSEMBLY		
STATION	OFFSET	REMARKS
30+00	29,16 RT	SINGLE PUMPER

WATER SERVICE SUMMARY			
STATION	OFFSET	SIZE/TYPE	REMARKS
30+70	30 LT	2" - 30'	SALVATION ARMY, CONNECT TO EXISTING SERVICE

WATER VALVE SUMMARY			
STATION	OFFSET	SIZE/TYPE	REMARKS
20+20.68	5.10 RT	12" GV	WP-6 & WP-5 JNCT
31+04.90	6.57 LT	12" GV	WP-6, CONNECT TO EXISTING 8" OR 6" CIP, VALVE NOT NEEDED IF CAPPED, TESTED & CHLORINATED BEFORE CONNECTING TO EXISTING

NOTE: VERTICAL LOCATIONS OF EXISTING UTILITIES REPRESENTED BY A BREAK LINE HAVE AN UNKNOWN DEPTH

628 (27) SEWER ENCASEMENT		
STATION	QUANTITY	REMARKS
30+37	1	EXISTING STORM DRAIN XING, ENCASE WATER
30+19	1	SS - XING (SP-1)



**WATER LINE PROFILE
(WP-6) LAKE STREET NORTH**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

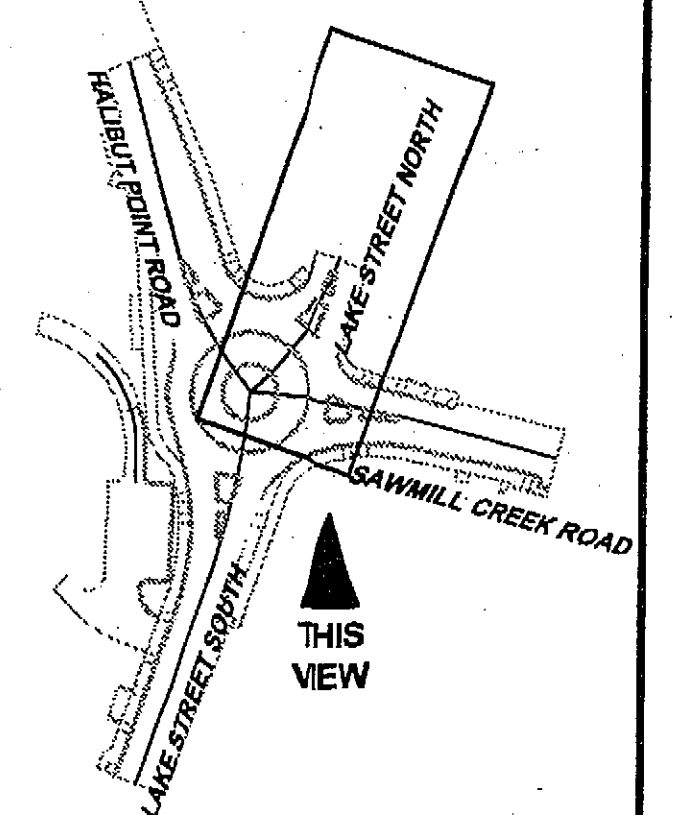
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	5/4/2008	ADEC W/C XING 1/2



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: Date: 5/17/09

PLAN LEGEND

CHECKED BY: NCL

2-1804

DESIGNED BY: RK
DRAWN BY: WJP, KB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

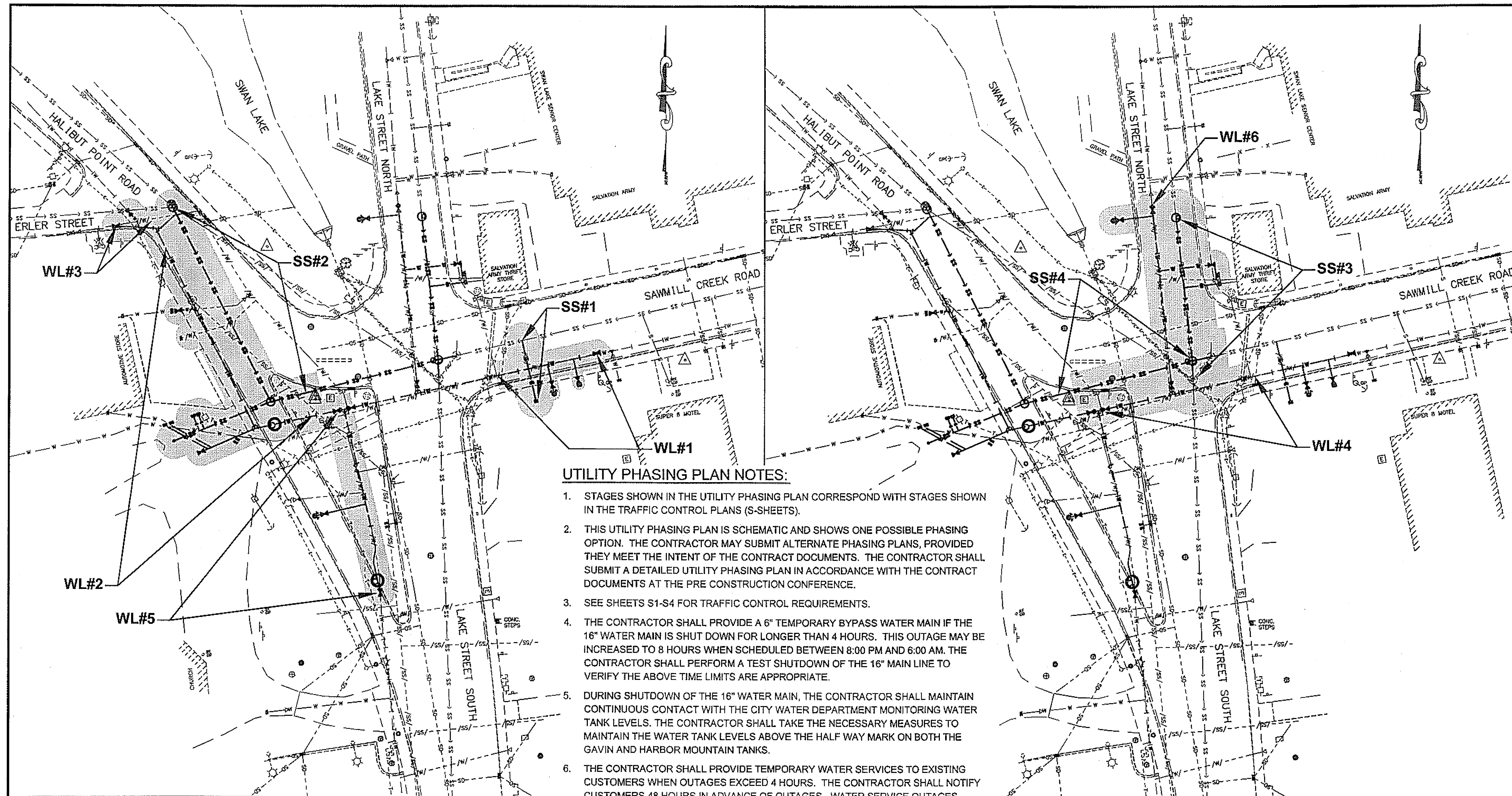
SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
RSA No. 63852

**WATER
PLAN & PROFILE**

PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
U10	57



UTILITY PHASING PLAN NOTES:

1. STAGES SHOWN IN THE UTILITY PHASING PLAN CORRESPOND WITH STAGES SHOWN IN THE TRAFFIC CONTROL PLANS (S-SHEETS).
2. THIS UTILITY PHASING PLAN IS SCHEMATIC AND SHOWS ONE POSSIBLE PHASING OPTION. THE CONTRACTOR MAY SUBMIT ALTERNATE PHASING PLANS, PROVIDED THEY MEET THE INTENT OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUBMIT A DETAILED UTILITY PHASING PLAN IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AT THE PRE CONSTRUCTION CONFERENCE.
3. SEE SHEETS S1-S4 FOR TRAFFIC CONTROL REQUIREMENTS.
4. THE CONTRACTOR SHALL PROVIDE A 6" TEMPORARY BYPASS WATER MAIN IF THE 16" WATER MAIN IS SHUT DOWN FOR LONGER THAN 4 HOURS. THIS OUTAGE MAY BE INCREASED TO 8 HOURS WHEN SCHEDULED BETWEEN 8:00 PM AND 6:00 AM. THE CONTRACTOR SHALL PERFORM A TEST SHUTDOWN OF THE 16" MAIN LINE TO VERIFY THE ABOVE TIME LIMITS ARE APPROPRIATE.
5. DURING SHUTDOWN OF THE 16" WATER MAIN, THE CONTRACTOR SHALL MAINTAIN CONTINUOUS CONTACT WITH THE CITY WATER DEPARTMENT MONITORING WATER TANK LEVELS. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES TO MAINTAIN THE WATER TANK LEVELS ABOVE THE HALF WAY MARK ON BOTH THE GAVIN AND HARBOR MOUNTAIN TANKS.
6. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER SERVICES TO EXISTING CUSTOMERS WHEN OUTAGES EXCEED 4 HOURS. THE CONTRACTOR SHALL NOTIFY CUSTOMERS 48 HOURS IN ADVANCE OF OUTAGES. WATER SERVICE OUTAGES SHALL NOT OCCUR BETWEEN 6:00 AM AND 10:00AM OR 4PM AND 8PM.
7. THE CONTRACTOR SHALL MAINTAIN SEWER SERVICE AT ALL TIMES.
8. THE CONTRACTOR MAY USE THE CITY OF SITKA'S WATERCAD® MODEL TO ASSIST IN DEVELOPING THEIR PHASING PLAN. THE MODEL WILL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST.

STAGE 1

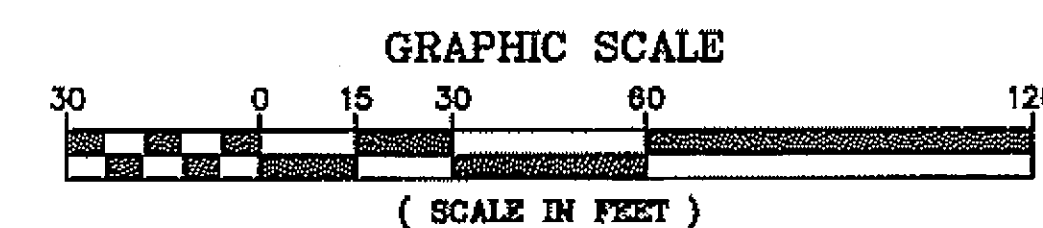
- WL#1:** SAWMILL CREEK ROAD MAIN REPLACEMENT, AS REQUIRED TO ACCOMMODATE COMPLETION REQUIREMENTS TIED TO EASEMENT STIPULATIONS ON BLOCK 17.
- SS#1:** INSTALL NEW SEWER SERVICE TO BLOCK 17.
- WL#2:** INSTALL WATER LINE FROM ERLER STREET TO EXISTING GRASS ISLAND.
- WL#3:** WATERLINE TIE-IN TO ERLER STREET AND HALIBUT POINT ROAD. TEMPORARY TIE INTO EXISTING SAWMILL CREEK LINE.
- SS#2:** SEWER MAIN FROM HALIBUT POINT ROAD TO STUB OUT IN EXISTING GRASS ISLAND.
- WL#5:** LAKE STREET SOUTH MAIN REPLACEMENT.

STAGE 2

- WL#4:** SAWMILL CREEK ROAD MAIN REPLACEMENT.
- SS#3:** LAKE STREET NORTH MAIN REPLACEMENT AND SAWMILL CREEK ROAD TIE-IN.
- SS#4:** HALIBUT POINT ROAD TIE-IN.
- WL#6:** LAKE STREET NORTH MAIN REPLACEMENT.

LEGEND:

- WL#** WATERLINE PHASE NUMBER
- SS#** SANITARY SEWER PHASE NUMBER



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\1128800\DWGS\SHEETS\1128800-U11.DWG

Wednesday, February 18, 2009 1:35:20 PM
TAB: U11 BILL PADDOCK

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

PLAN LEGEND

CHECKED BY: NCL



DESIGNED BY: RK

DRAWN BY: WJP, KB

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

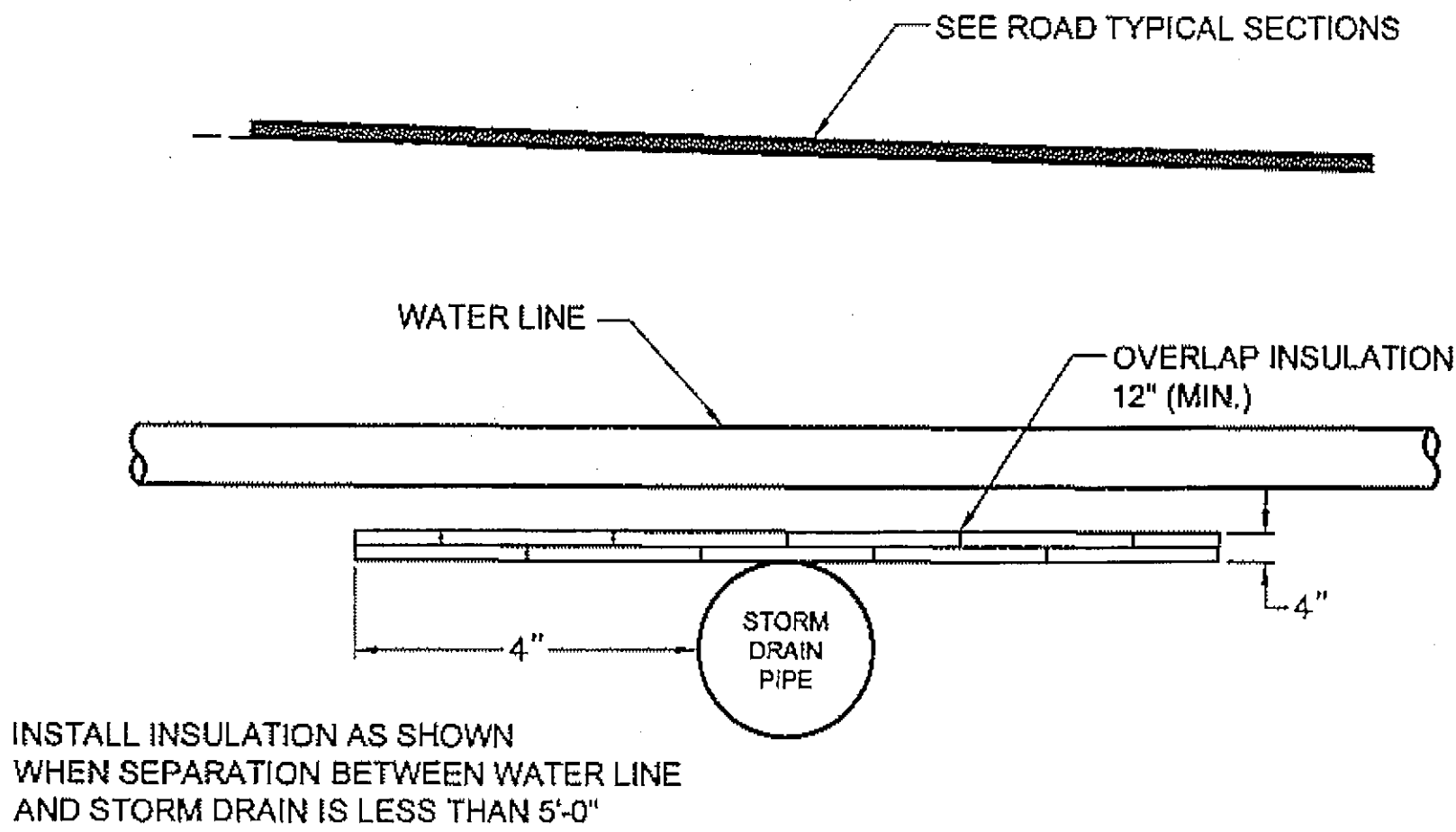
SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
RSA No. 68852

UTILITY CONSTRUCTION PHASING PLAN

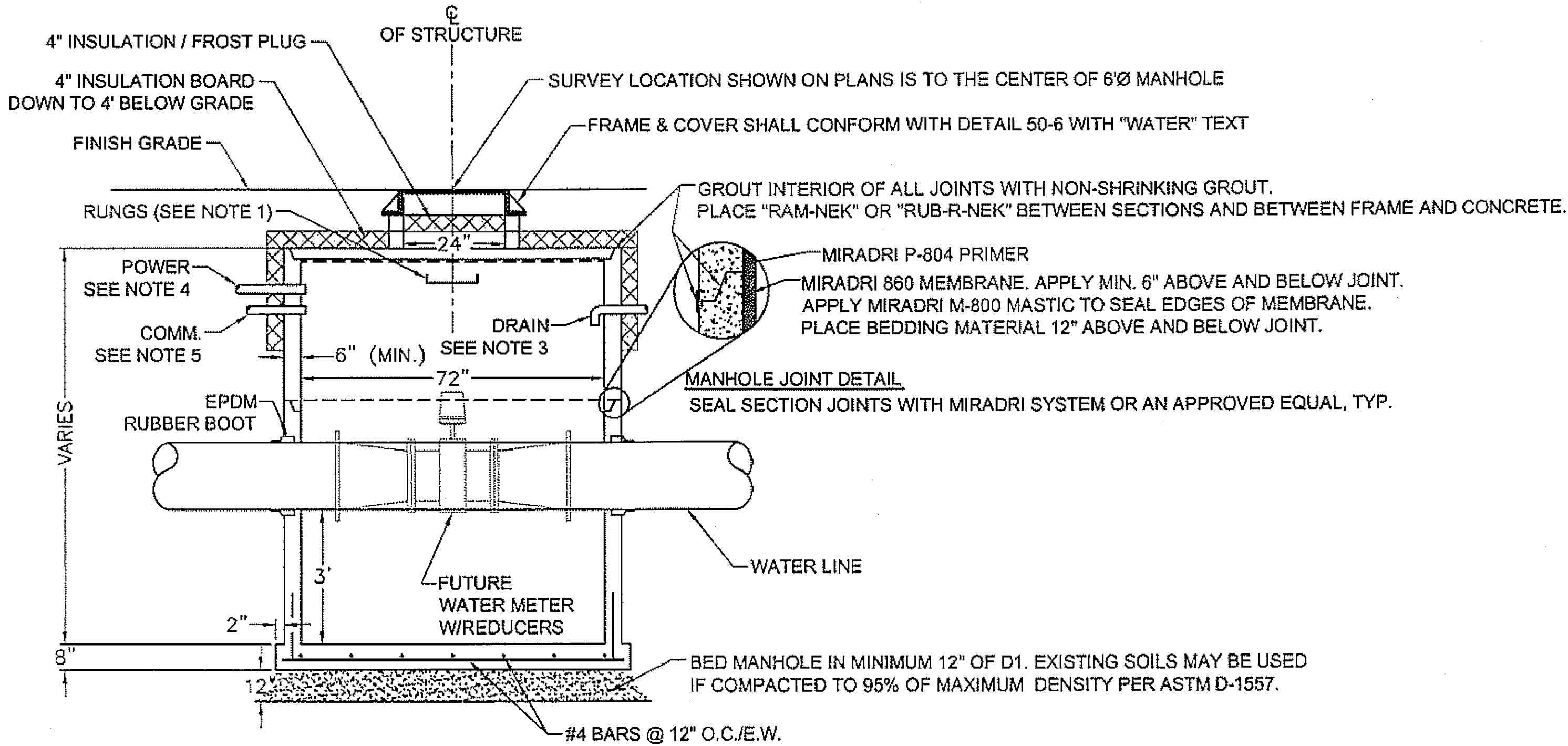
PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
U11	57

INSULATION BOARD				
STATION	OFFSET	PIPE	MIN. NO. 4'X8'X2" BOARDS	REMARKS
40+55.09	47.61 LT	WP-1	3	SEE SHEET U5 & U7 FOR PROFILE VIEW
40+08.32	3.68 RT	SP-1	1	SEE SHEET U5 FOR PROFILE VIEW, SEPARATION PAD FOR 60" SD
30+18.86	13.92 RT	WP-6	3	SEE SHEET U5 & U10 FOR PROFILE VIEW
40+61.64	43.43 LT	WP-1	2	SEE SHEET U7 FOR PROFILE VIEW, INSULATE FROM PROPOSED SD
10+66.69	30.98 RT	WP-4	2	SEE SHEET U8 FOR PROFILE VIEW, INSULATE FROM PROPOSED CB
10+75.91	31.12 RT	WP-4	2	SEE SHEET U8 FOR PROFILE VIEW, INSULATE FROM PROPOSED SD
10+06.23	5.29 RT	WP-5	4	SEE SHEET U9 FOR PROFILE VIEW, INSULATE FROM EXISTING 60" SD
TOTAL SHEETS:			17	

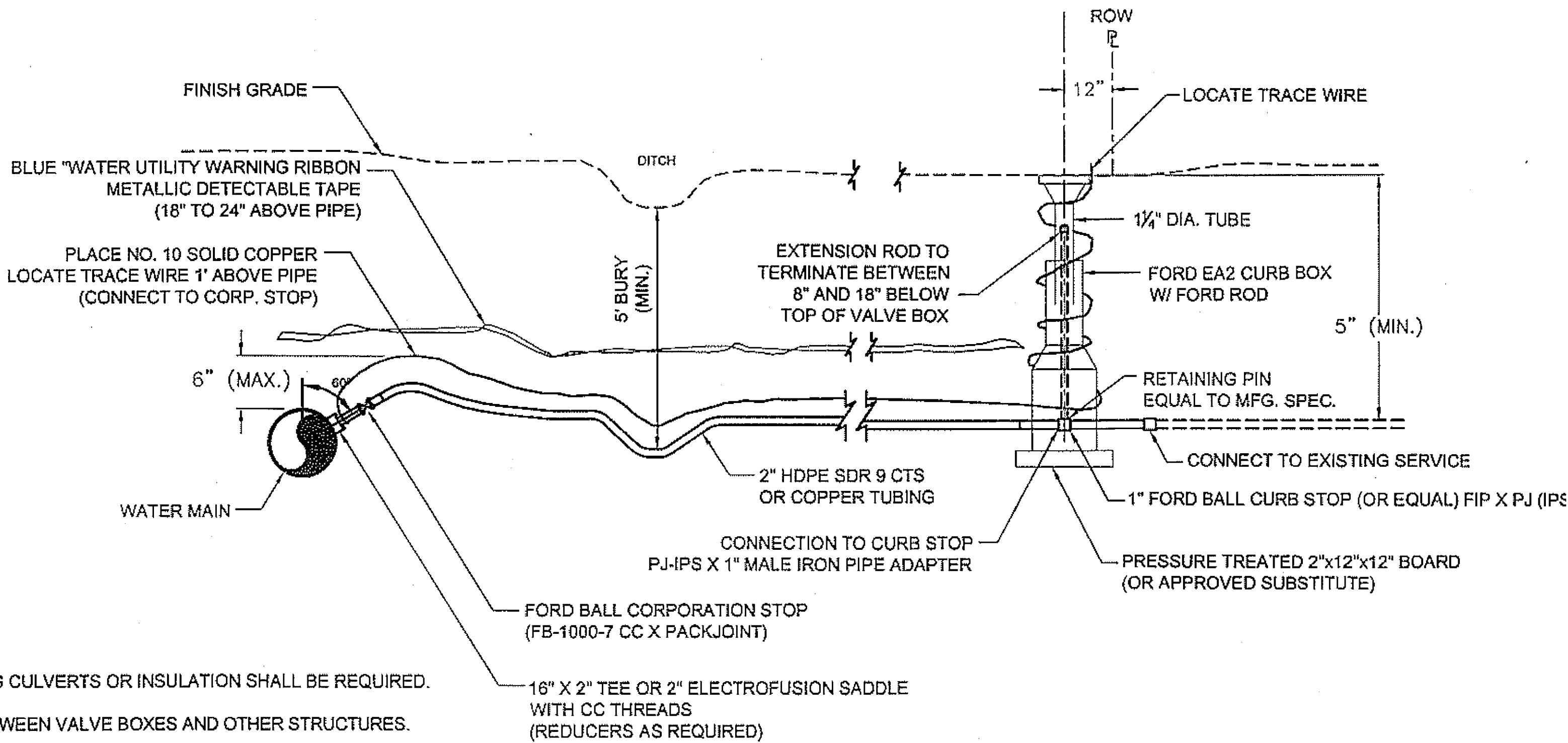


PIPE INSULATION
N.T.S.



- NOTES:
- RUNGS TO BE PLACED 12" O.C. ON UNOBSTRUCTED SIDE OF MANHOLE. LAST RUNG SHALL BE 18" MAX FROM BOTTOM OF MANHOLE, AND TOP RUNG SHALL BE 6" MAXIMUM FROM TOP OF CONE.
 - REFER TO A.S.T.M. C-478 FOR DESIGN REQUIREMENTS AND C-478-69 FOR MINIMUM STEEL FOR BARREL. FIRST BARREL SECTION SHALL BE IMBEDDED IN BASE. BLOCKOUTS SHALL BE FORMED.
 - EXTEND DRAIN PIPE TO STORM DRAIN SYSTEM AS DIRECTED. DRAIN PIPE TO BE 1-1/2" SCHEDULE 40 GALVANIZED STEEL PIPE WITH CHECK VALVE AND SLEEVE AND SEALWALL PENETRATION. (FOR FUTURE SUMP PUMP)
 - EXTEND POWER CONDUIT AS DIRECTED. BASIS OF ESTIMATE IS 150 FEET 2" RMC
 - EXTEND COMMUNICATION CONDUIT AS DIRECTED. BASIS OF ESTIMATE IS 150 FEET 1" PVC/HDPE.

WATER METER MANHOLE
N.T.S.



- NOTES:
- ALL SERVICES MUST BE 5' BELOW EXISTING CULVERTS OR INSULATION SHALL BE REQUIRED.
 - MAINTAIN A MIN. OF 3' OF SEPARATION BETWEEN VALVE BOXES AND OTHER STRUCTURES.

HDPE WATER SERVICE
N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\1128800\DWGS\SHEETS\1128800-U12.DWG

Wednesday, February 18, 2009 1:36:43 PM
TAB: U12 BILL PADDOCK

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 5-26-09

PLAN LEGEND

CHECKED BY: NCL



DESIGNED BY: RK

DRAWN BY: WJP, KB

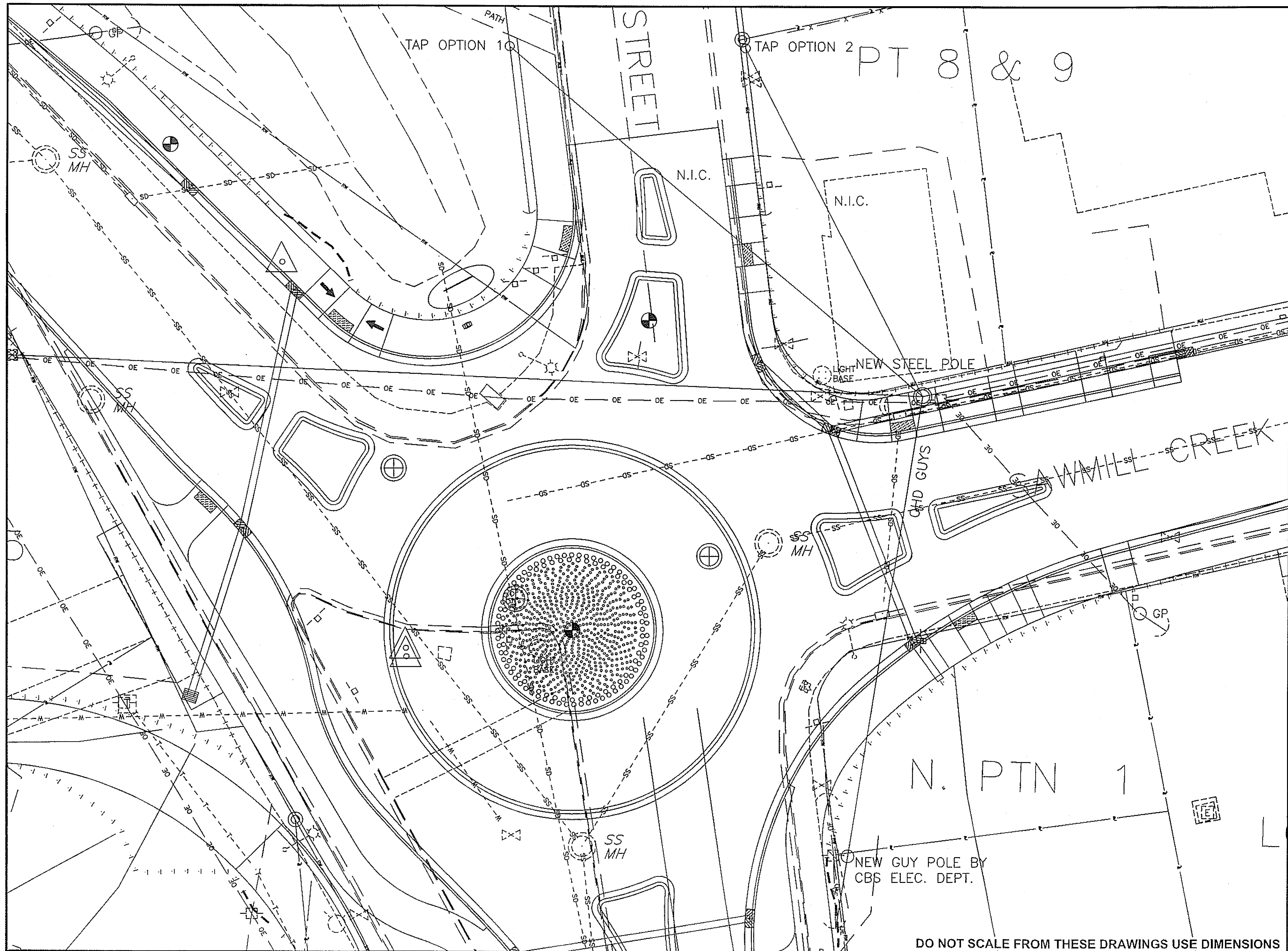
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SAWMILL CREEK ROAD-HALIBUT
POINT ROAD ROUNDABOUT
RSA No. 68852

UTILITY DETAILS

PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
U12	57



PATH: C:\DOCUMENTS AND SETTINGS\MIKE\MY DOCUMENTS\ROUNDABOUT\68943_CBS_TRAN.M
PLAN2-16-09.DWG
Wednesday, February 18, 2009 3:00:56 PM
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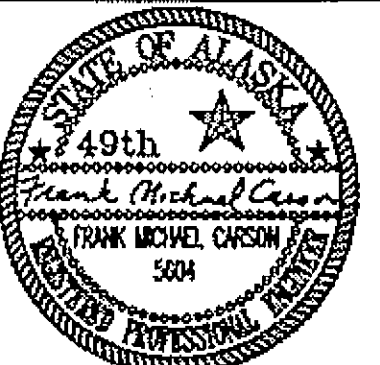
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

NORTHSTAR POWER ENGINEERING
PO BOX 1337, CRAIG, AK 99021 (907)826-2893



PLAN LEGEND

CHECKED BY:

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. Date 8-26-09

DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

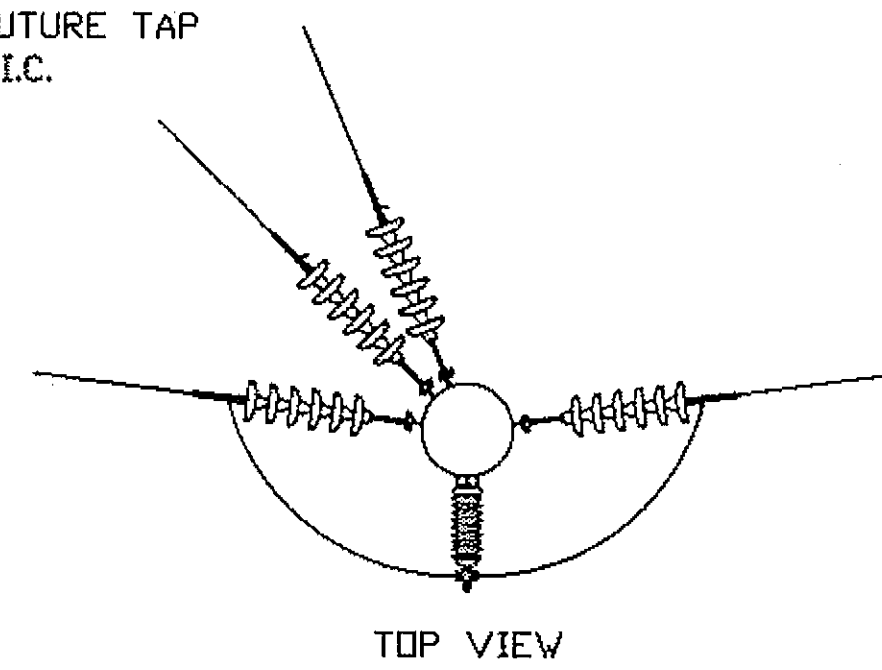
SAWMILL CREEK ROAD-HALIBUT POINT ROAD ROUNDABOUT
PROJECT No. 68943
TRANSMISSION PLAN

PROJECT DESIGNATION
ACHHE-000S(549)-68943

STATE	YEAR
ALASKA	2009

SHEET NUMBER	TOTAL SHEETS
V 1	57

FUTURE TAP
N.I.C.



FUTURE TAP
N.I.C.

TRANSVERSE
VIEW

63 FT STEEL
TRANSMISSION
POLE

84x24 BRACES

2'-6 9/16"

2'-6"

2'-6"

2'-6"

69 kV TRANSMISSION

FG GUY INSULATORS

2-4x6-10' FG CROSSARMS

11 1/2"
NEUTRAL
SECONDARY

CUTOUT
TRANSFORMER

CATV
TELEPHONE

1-6" RMC,
3-4" PVC
2-2" PVC
CONDUITS

UNISTRUT
STANDOFFS
@ 45 DEG

GROUND

23'-6"

22'

20'-7"

19'-2"

18'

25'-7"

27'

LONGITUDINAL
VIEW

35'

30'

48'

55'

62'

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY:
Project As-Built Drawings have been
reviewed by the Project Engineer and
represent to the best of my knowledge, the
project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DESIGNED BY:
DRAWN BY:

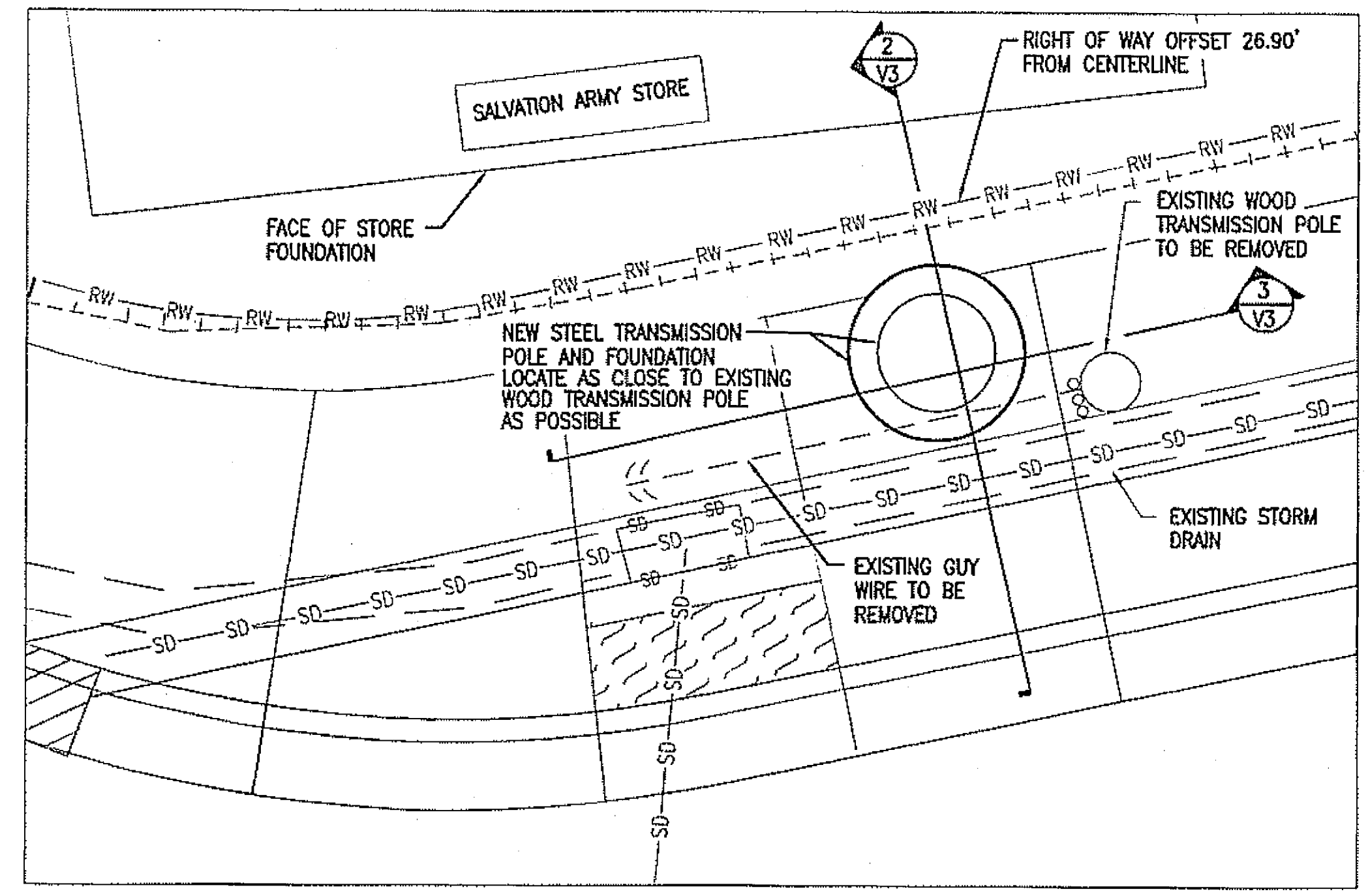
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TAB: STRUCTUREWednesday, February 18, 2009 2:45:04 PM MIKE

REVISIONS		
NO.	DATE	DESCRIPTION

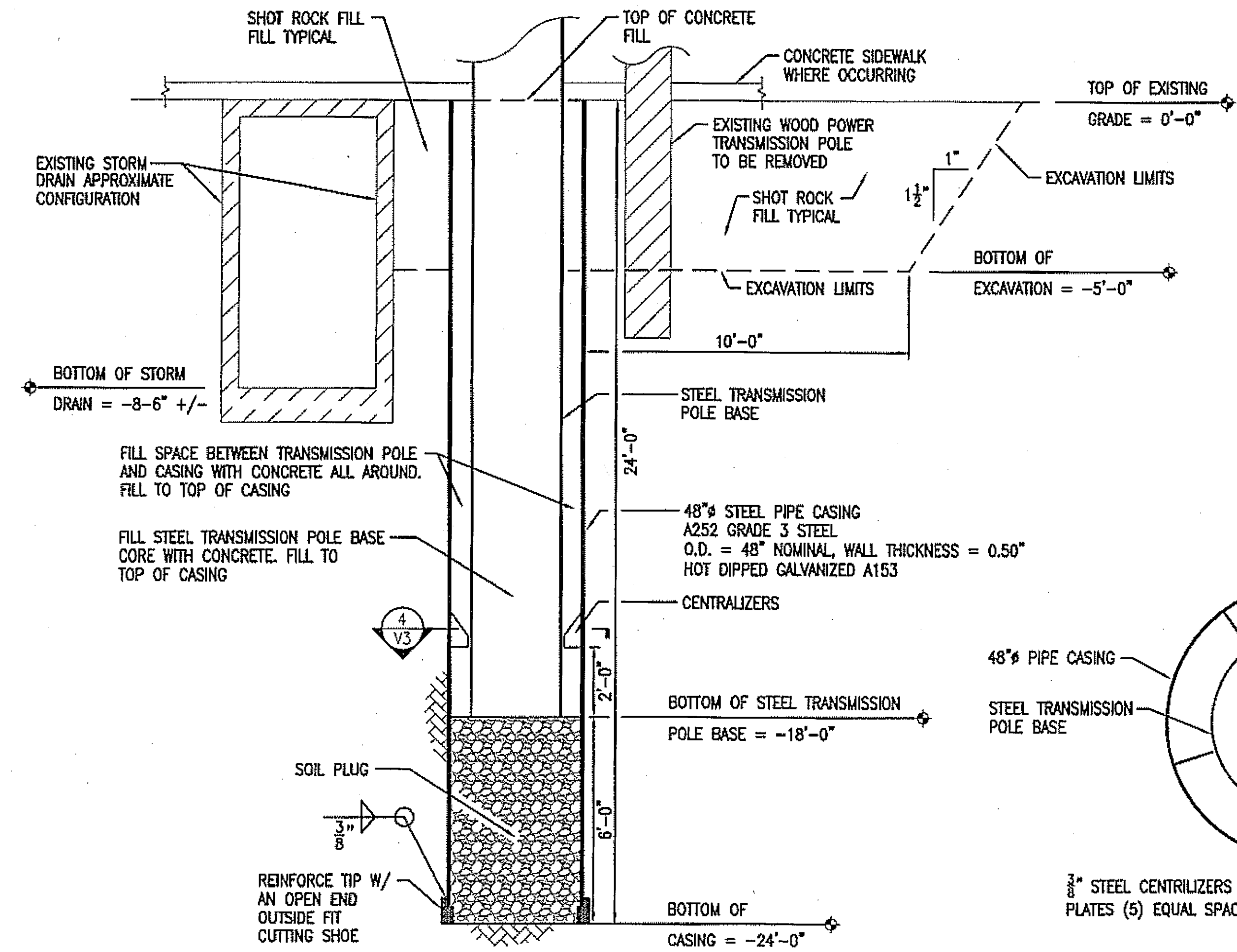
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION			
SITKA - SAWMILL CREEK ROAD HALIBUT POINT ROAD ROUNDAABOUT			
TRANSMISSION STRUCTURE			
PROJECT DESIGNATION ACHHE-000S(549)- PROJECT #68943		YEAR 2009	SHEET NO. V 2
		TOTAL SHEETS 57	

NORTHSTAR POWER ENGINEERING
PO BOX 1337, CRAG, AK 99921 (907)825-2893

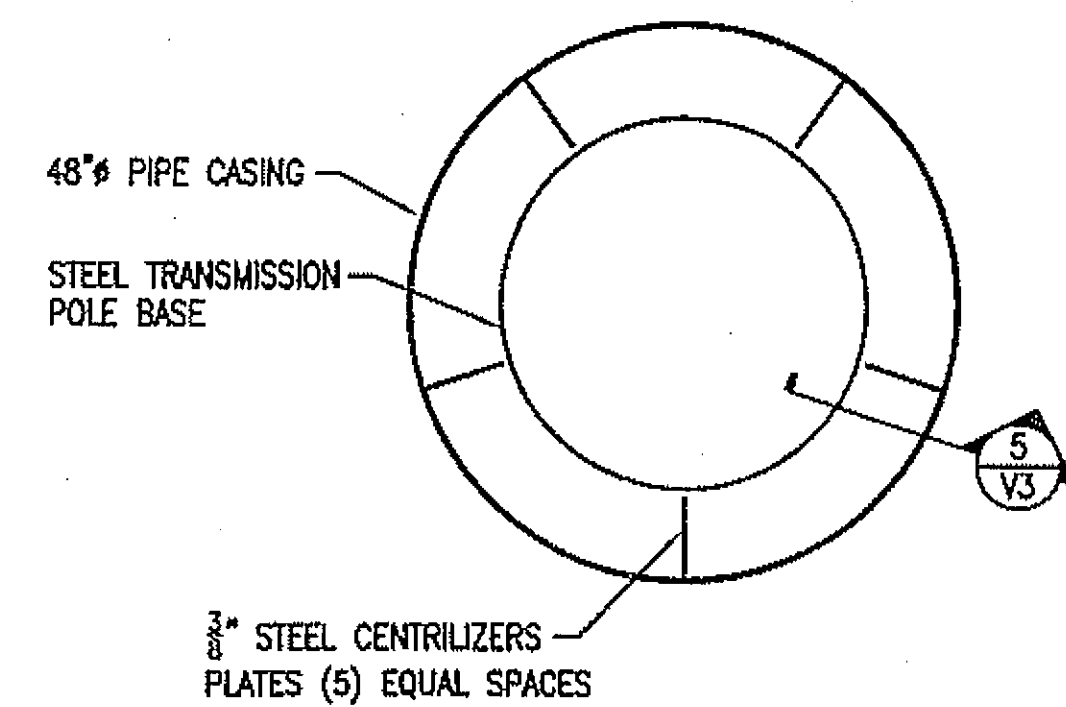




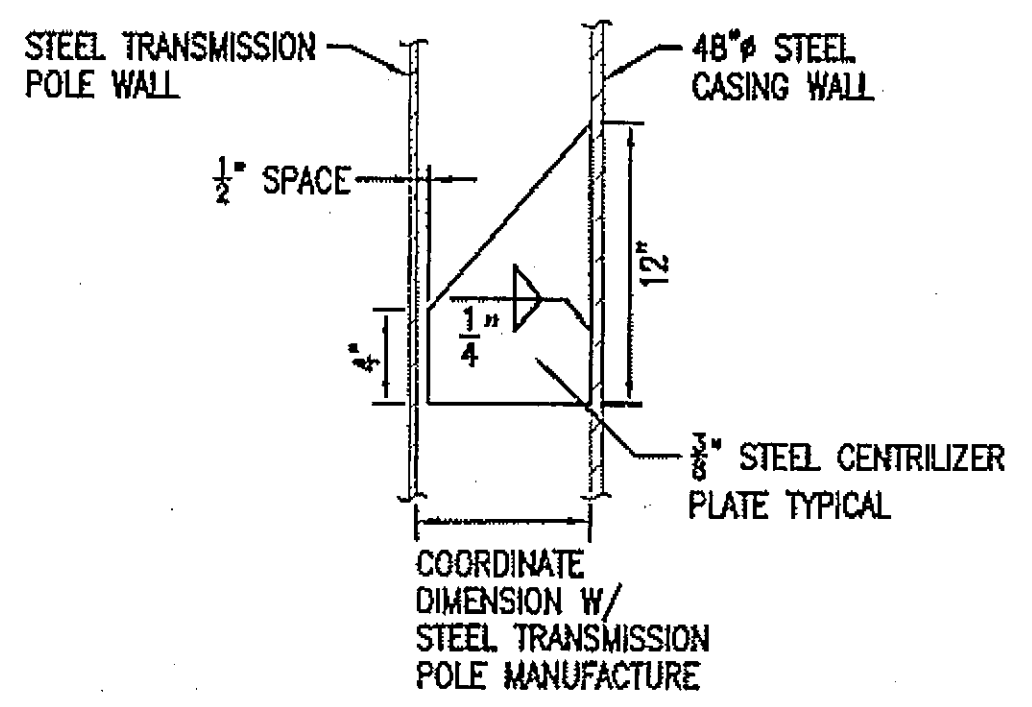
1 PARTIAL PLAN @ NEW STEEL TRANSMISSION POLE FOUNDATION
3/8" = 1'-0"



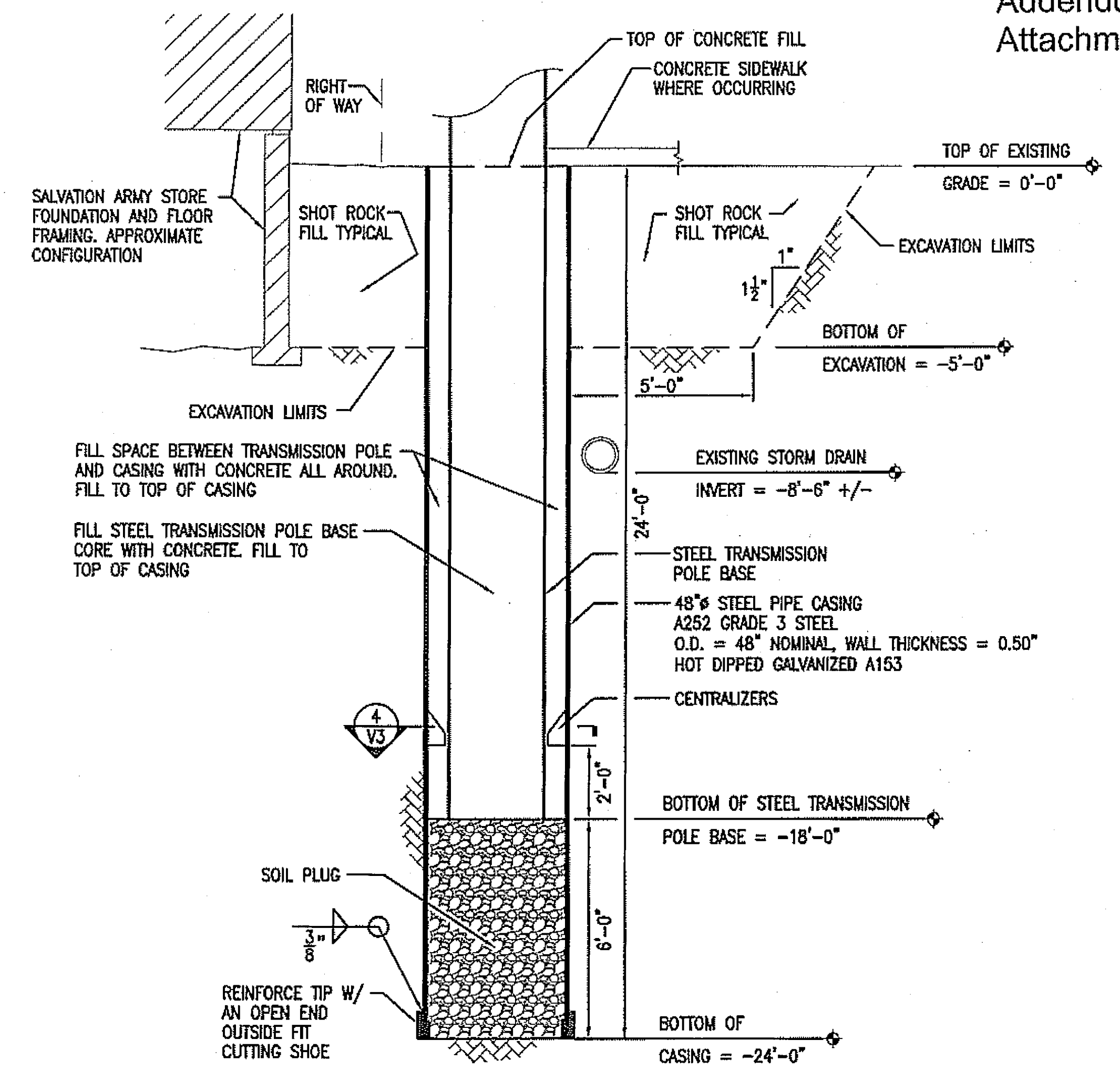
3 SECTION
3/8" = 1'-0"



4 SECTION
3/4" = 1'-0"



5 SECTION
1-1/2" = 1'-0"



2 SECTION
3/8" = 1'-0"

ABBREVIATIONS	
CL	AT
CLR	CLEAR
BET/BTWN	BETWEEN
DIA/DIAM/Ø	DIAMETER
OC	ON CENTER
O.D.	OUTER DIAMETER
PSI	POUNDS PER SQUARE INCH
RW	RIGHT OF WAY
SD	STORM DRAIN
TYP	TYPICAL
W/	WITH

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: RMW

DESIGNED BY: RMW

DRAWN BY: RMW

PATH: Q:\SIT\68943\PLANS\SET\S200901-C1dwg

TAB: V3 Wednesday, Feb. 18, 2009

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT DESIGNATION

ACHHE-000S(549)~

RSA 69059

YEAR

2009

SHEET NO.

V3

TOTAL SHEETS

57

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

SOUTHEAST REGION

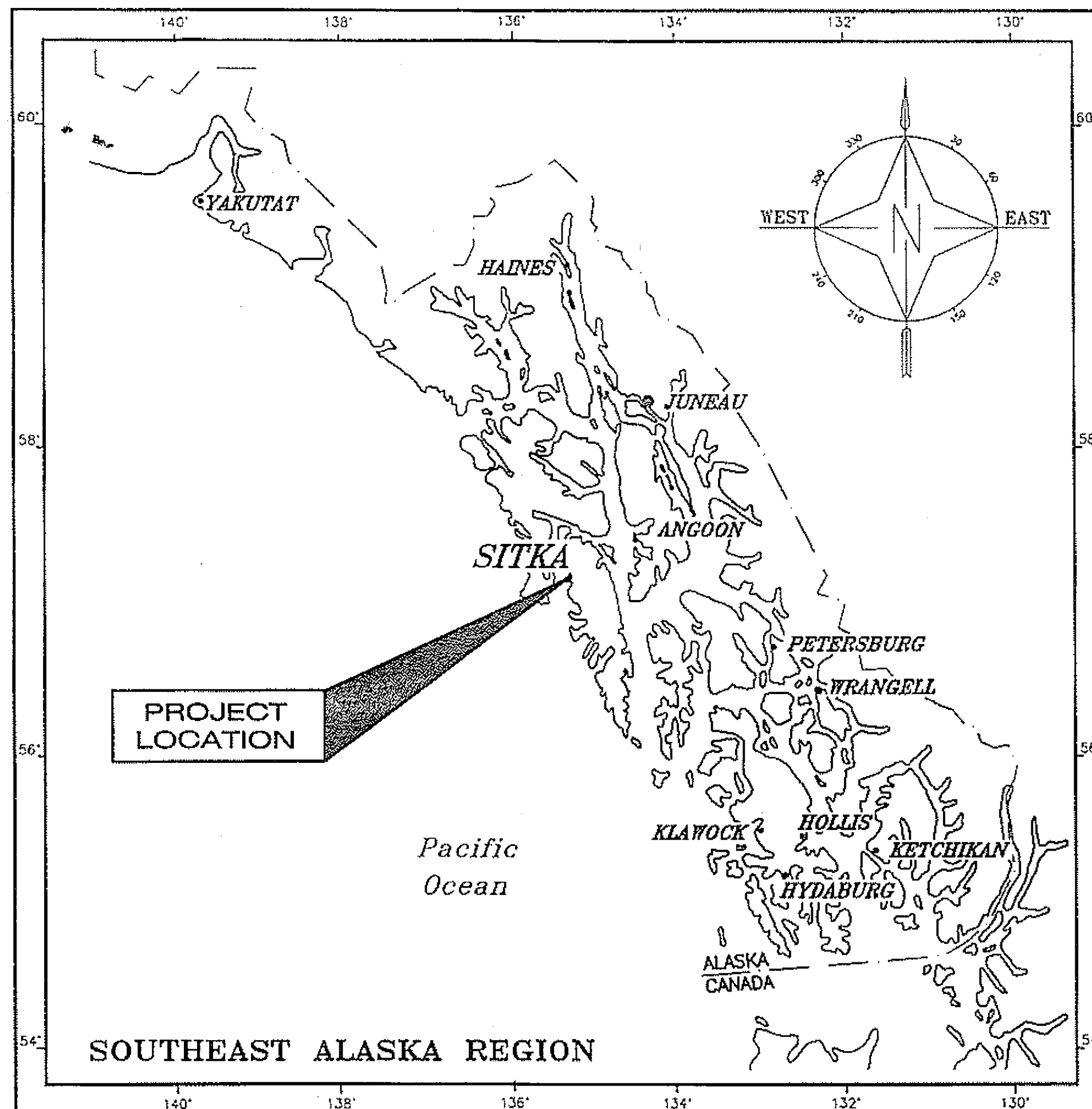
SITKA - SAWMILL CREEK ROAD

HALIBUT POINT ROAD

ROUNDBOUT

TRANSMISSION POLE

FOUNDATION DETAILS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

SOUTHEAST REGION
RIGHT OF WAY MAP
ALASKA PROJECT

SITKA

SAWMILL CREEK ROAD/
HALIBUT POINT ROAD
ROUNDAABOUT

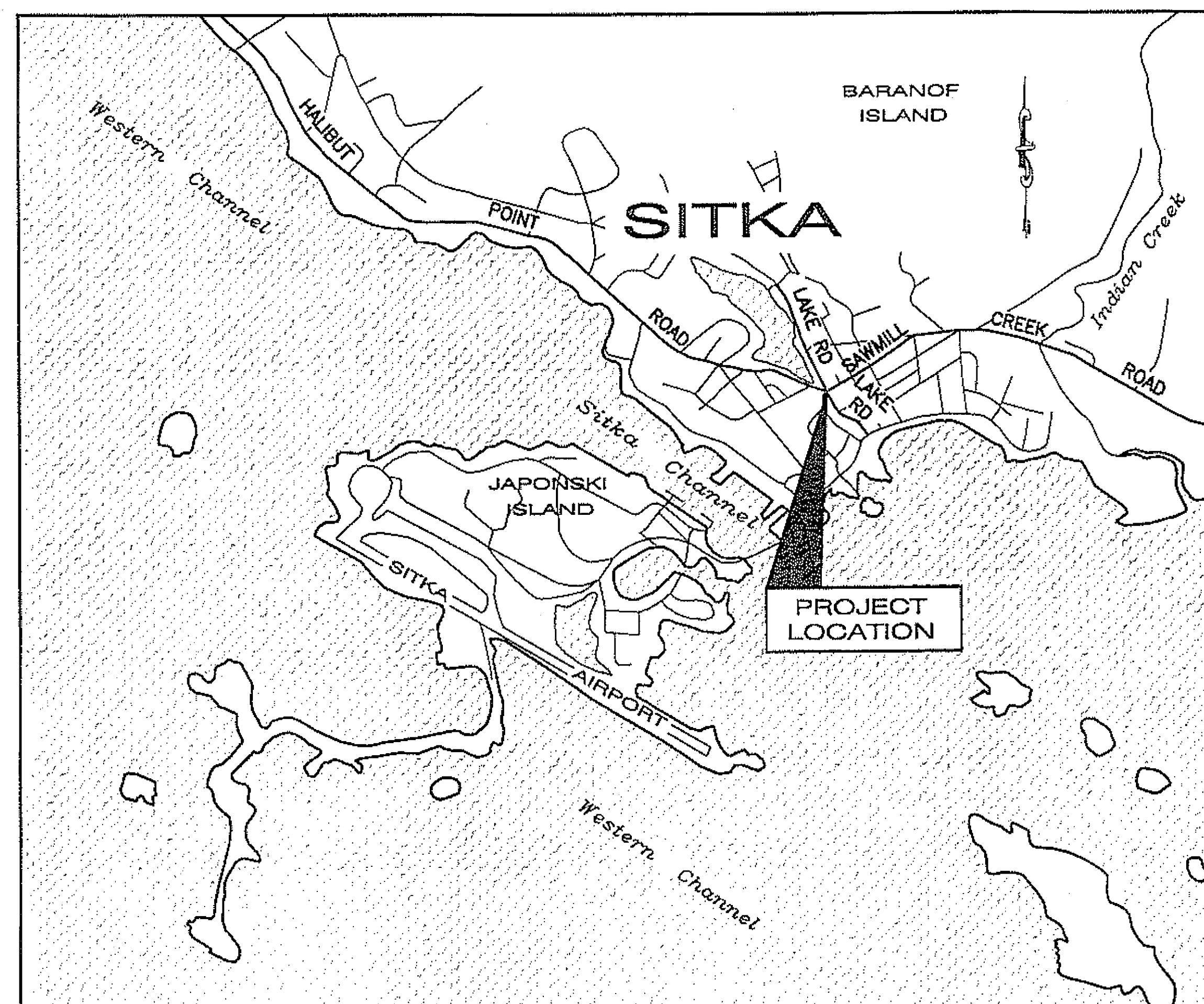
ACHHE-000S(549) 68943



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY that I am properly registered and licensed to practice land surveying in the State of Alaska and that this plat was made by me or under my supervision. I declare that this plat was based upon the monuments recovered during State of Alaska Locations Survey 68943 dated 2-20-09 and that all dimensions and other details are accurate.

Tom G. Koopple 2-20-09 Date
LS#4382



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

APPROVED 2-20-09
Date

CHIEF RIGHT OF WAY AGENT
SOUTHEAST REGION

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. 8-26-09 Date

Fri, 20/Feb/09 08:37AM

C:\SIT\68943\RW\roundSWAN_06.dwg, 68943_SH2.dwg

RIGHT OF WAY SYMBOLS & LINETYPES

	RECOVERED MONUMENT	MONUMENT TO BE SET THIS PROJECT
GLO/BLM SECTION CORNER		
GLO/BLM 1/4 SECTION CORNER		
GLO/BLM SURVEY MONUMENT		
PRIMARY MONUMENT		
SECONDARY MONUMENT		
C/L TYPE CASE MONUMENT		
GEODETIC CONTROL STATION		
INTERNATIONAL BOUNDARY LINE		
TOWNSHIP OR RANGE LINE		
SECTION OR BLOCK LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
PROJECT RIGHT-OF-WAY LINE		
CONTROLLED ACCESS LINE		
EASEMENT LINE		
TEMPORARY PERMIT LINE		
EXISTING RIGHT-OF-WAY		
SECTION LINE INTERSECTION		
RIGHT-OF-WAY REQUIRED		

CONSTRUCTION/IMPROVEMENT SYMBOLS & LINETYPES

OBLITERATE ROADWAY		
LIMIT OF CUT SLOPE		
LIMIT OF FILL SLOPE		
CONSTRUCTION CENTERLINE		
STATION EQUATIONS		
	EXISTING	PROPOSED
EDGE OF ROAD		
DRIVEWAYS OR APPROACHES & PIPE CULVERTS		
SIDEWALK		
CONCRETE CURB & GUTTER		
CONCRETE GUTTER		
CONCRETE CURB CUT		
PIPE CULVERTS		
GUARDRAIL		
RETAINING WALL		
RIPRAP		
FENCE LINE		
NOISE BARRIER		
DRAINAGE DITCH		
BRIDGE		
SIGN		

UTILITIES SYMBOLS & LINETYPES

	EXISTING	PROPOSED
PIPELINES:		
SANITARY SEWER		
WATER		
GAS		
OIL		
STORM DRAIN		
MANHOLE		
CATCH BASIN or DROP INLET		
FIELD INLET		
FIRE HYDRANT		
WATER METER		
WATER VALVE		
POWER POLE		
GUY POLE		
ANCHOR		
LUMINAIRE		
GROUND LIGHT		
ELECTRICAL J-BOX		
ELECTRICAL TRANSFORMER		
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
ELECTRIC DUCT		
TELEPHONE DUCT		
CABLE TV DUCT		
ELECTRIC MANHOLE		
TELEPHONE MANHOLE		
TANK (ABOVE GROUND)		
TANK (BELOW GROUND)		
VENT		
WELL		
SATELLITE DISH		

LOCATION SYMBOLS & LINETYPES

RETAINING WALL HEAD & WINGWALLS	
TUNNEL	
STONE FENCE	
BUILDING/STRUCTURE	
FOUNDATION	
CREEK	
RIVER	
LAKE/RESERVOIR	
WETLAND/MARSH	
STUMP	
DECIDUOUS TREE	
CONIFER TREE	
SHRUB	

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. Date 8-26-09

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO. 68943
ACHHE-000S(549)
SITKA HALIBUT POINT ROAD ROUNDABOUT

DRAWN	ROW	DATE	7/2007	SCALE	1"=1'
CHECKED		DATE		SHEET	W2 OF 6

The purpose of these plans is to define the Right of Way limits for the Sitka Roundabout Area.

The preparation of these plans was directly supervised by the Senior Right of Way Agent, Titles and Plans Section, Southeast Region. The location of the existing right of way corridor and adjacent property lines and easements was computed from record information and adjusted to recovered survey monuments as shown and described.

DOT&PF Project S-0933(6) Sawmill Creek Boulevard acquired an additional 7' each side centerline widening Sawmill Creek Road from 40' to 54',

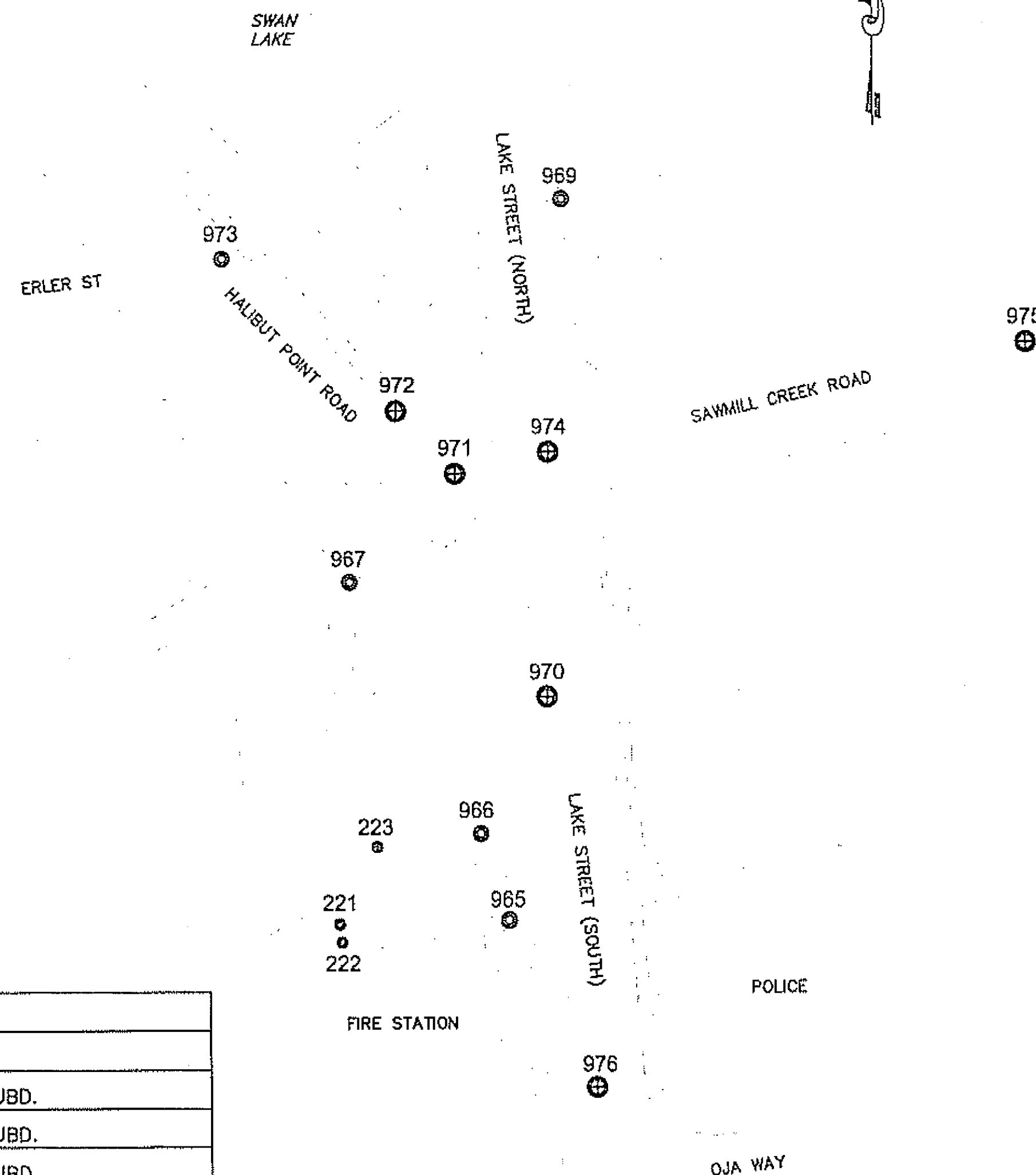
Parcel 1 BK 46 PG 344-345; Sitka Recorders Office
Parcel 2 BK 46 PG 346-348; Sitka Recorders Office
Parcel 3 BK 46 PG 349-351; Sitka Recorders Office
Parcel 3a BK 46 PG 352-354; Sitka Recorders Office
Parcel 3b BK 46 PG 355-357; Sitka Recorders Office

972 2.5" BC CL monument
973 2"ALCAP CL monument H.P.R. & Erler streets

974 2.5" BC CL monument Lake & Sawmill Creek Roads.
980 2.5" BC CL monument Sawmill Creek & Baranof.

EXISTING MONUMENT TABLE								
POINT	NORTHING	EASTING	LINE	STA.	OFFSET	DESC.	SHEET	NOTES
221	31067.4220	53714.1668	LSS	11+86.63	107.37_RT	ALSEC2" _6304S	5	LOT 1 BLK 2_SWAN CREEK SUBD.
222	31059.4938	53715.2257	LSS	11+94.63	107.29_RT	ALSEC2" _6304S	5	LOT 1 BLK 2_SWAN CREEK SUBD.
223	31101.8631	53731.4306	LSS	11+54.54	86.02_RT	BC_2.5"	5	LOT 1 BLK 2_SWAN CREEK SUBD.
965	31068.7743	53791.6821	LSS	11+94.78	30.27_RT	ALSEC1.5" _6304S	5	LOT 1 BLK 2_SWAN CREEK SUBD.
966	31107.5474	53778.9530	LSS	11+54.74	38.16_RT	ALSEC2" _6304S	5	LOT 1 BLK 1_SWAN CREEK SUBD.
967	31220.5778	53719.7317	LSS	10+19.16	71.72_RT	ALSEC1.5" _6304S	5	LOT 1 BLK 1_SWAN CREEK SUBD.
968	31330.8096	53511.2044	HPR	42+36.54	127.30_LT	ALSEC1.5" _6304S	3	LOT 2 & 3_BLK 18
969	31392.3151	53818.0829	LSN	31+29.81	23.51_RT	ALSEC1.5"	4	POR. LOT 8 & 9_BLK 19
970	31168.5155	53809.8046	LSS	10+98.09	1.56_LT	CL_MON_DOH_BC2.5"	5	MONUMENT REMOVED THIS PROJECT
971	31269.1012	53768.2417	HPR	40+14.29	1.06_RT	CL_MON_DOH_BC2.5"	4,5	MONUMENT REMOVED THIS PROJECT
972	31297.3743	53741.4264	HPR	40+52.59	12.24_RT	CL_MON_DOT_BC2.5"	4,5	MONUMENT REMOVED THIS PROJECT
973	31366.3599	53662.5825	HPR	41+60.18	8.16_RT	ALCAP2"	3	MONUMENT REMOVED THIS PROJECT
974	31278.5558	53810.9738	SCR	20+33.90	4.57_LT	CL_MON_DOH_BC2.5"	4,5	MONUMENT REMOVED THIS PROJECT
975	31326.7226	54030.2859	LSS	10+20.83	256.47_LT	CL_MON_DOH_BC2.5"	3	CL SAWMILL & HOLLYWOOD
976	30993.9248	53831.4454	LSS	12+73.94	0.02_LT	CL_MON_DOH_BC2.5"	5	MONUMENT REMOVED THIS PROJECT
980	31440.7674	54548.1967	LSS	10+46.91	784.58_LT	CL_MON_DOH_BC2.5"	3	CL SAWMILL & BARANOF - NOT SHOWN
981	31209.6554	54592.5354	LSS	11+53.07	781.81_LT	CL_MON_DOH_BC2.5"	3	CL BARANOF & BIORKA - NOT SHOWN
984	31987.2112	53725.3348	SCR	21+12.82	709.71_LT	CL_MON_BC3"	3	CL RW LAKE STREET BDY S1474 - NOT SHOWN
985	32012.9995	53741.5106	SCR	21+23.69	731.26_LT	CL_MON_BC3"	3	LAKE STREET BDY S2685 A&B - NOT SHOWN
986	31321.7581	53233.6637	LSN	31+30.19	565.15_LT	CL_MON_BC2.5" _DOH	3	CL ERLER & HEMLOCK
987	31795.0963	53172.0239				CL_MON_BC2.5" _DOH	2	PC STA. 30+33.98 HPR - NOT SHOWN

SET MONUMENTS							
POINT	NORTHING	EASTING	LINE	STA.	OFFSET	SHEET	DESC.
XXX	XXX	XXX	X	XXX	XXX	XXX	XXX
XXX	XXX	XXX	X	XXX	XXX	XXX	XXX
XXX	XXX	XXX	X	XXX	XXX	XXX	XXX
XXX	XXX	XXX	X	XXX	XXX	XXX	XXX



"LSS" LINE - LAKE STREET SOUTH				
DESC.	STATION	TANGENT/CURVE DATA	NORTHING	EASTING
BOP	10+00.00		31262.24	53780.79
		R=570.60' L=141.22' Tan=70.97' Delta=14°10'47"		
PT	11+41.22		31125.65	53815.17
		S07°02'12"E 132.82'		
PC	12+74.04		30993.82	53831.44
		R=320.00' L=252.34' Tan=133.14' Delta=45°10'53"		
EOP	15+26.38		30780.11	53952.98

"SCR" LINE - SAWMILL CREEK ROAD				
DESC.	STATION	TANGENT/CURVE DATA	NORTHING	EASTING
BOP	20+00.00		31262.24	53780.79
		R=735.35' L=130.79' Tan=65.57' Delta=10°11'27"		
PT	21+30.79		31300.35	53905.72
		N78°08'04"E 116.59'		
EOP	22+47.37		31324.32	54019.81

"LSN" LINE - LAKE STREET NORTH				
DESC.	STATION	TANGENT/CURVE DATA	NORTHING	EASTING
BOP	30+00.00		31262.24	53780.79
		R=214.81' L=113.29' Tan=58.00' Delta=30°13'01"		
PT	31+13.29		31373.08	53796.74
		N06°55'15"W 165.64'		
EOP	32+78.93		31537.51	53776.70

"HPR" LINE - HALIBUT POINT ROAD				
DESC.	STATION	TANGENT/CURVE DATA	NORTHING	EASTING
BOP	40+00.00		31262.24	53780.71
		R=274.21' L=117.09' Tan=59.45' Delta=24°27'55"		
PT	41+17.09		31329.12	53685.7
		N42°37'38"W 132.91'		
EOP	42+50.00		31426.91	53595.7

The Basis of Bearing for this project is the State Plane grid bearing of S43°02'50"E from the recovered Sitka Airport runway Centerline Monument No.110, a 2" aluminum cap grouted into the threshold of runway 11 to the recovered runway Centerline Monument No. 107, a 2" brass cap grouted into the threshold of runway 29.

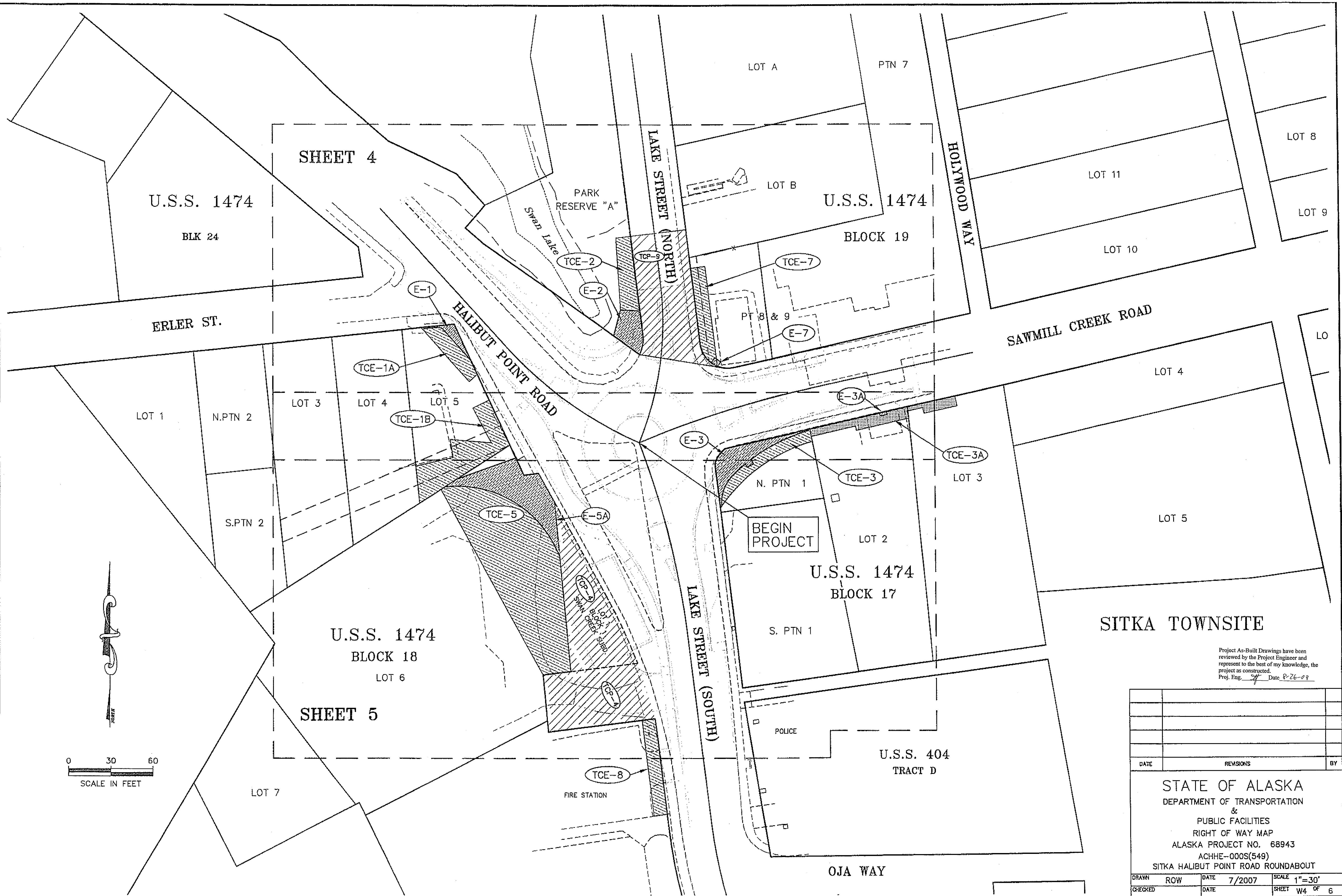
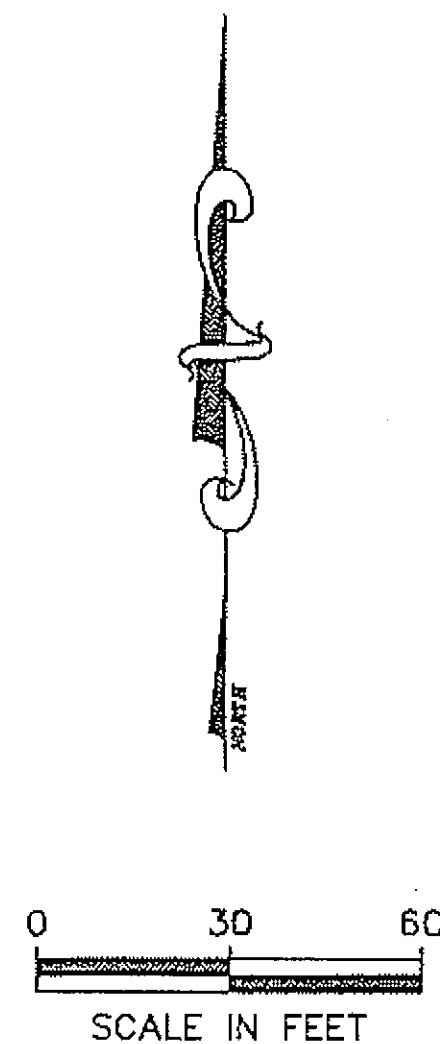
DATE	REVISIONS	BY

ACHHE-0005(549)
SITKA HALIBUT POINT ROAD ROUNDABOUT

DRAWN	ROW	DATE	7/2007	SCALE	1"=50'
CHECKED		DATE		SHEET	W3 OF 6

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. AT Date 8-26-09

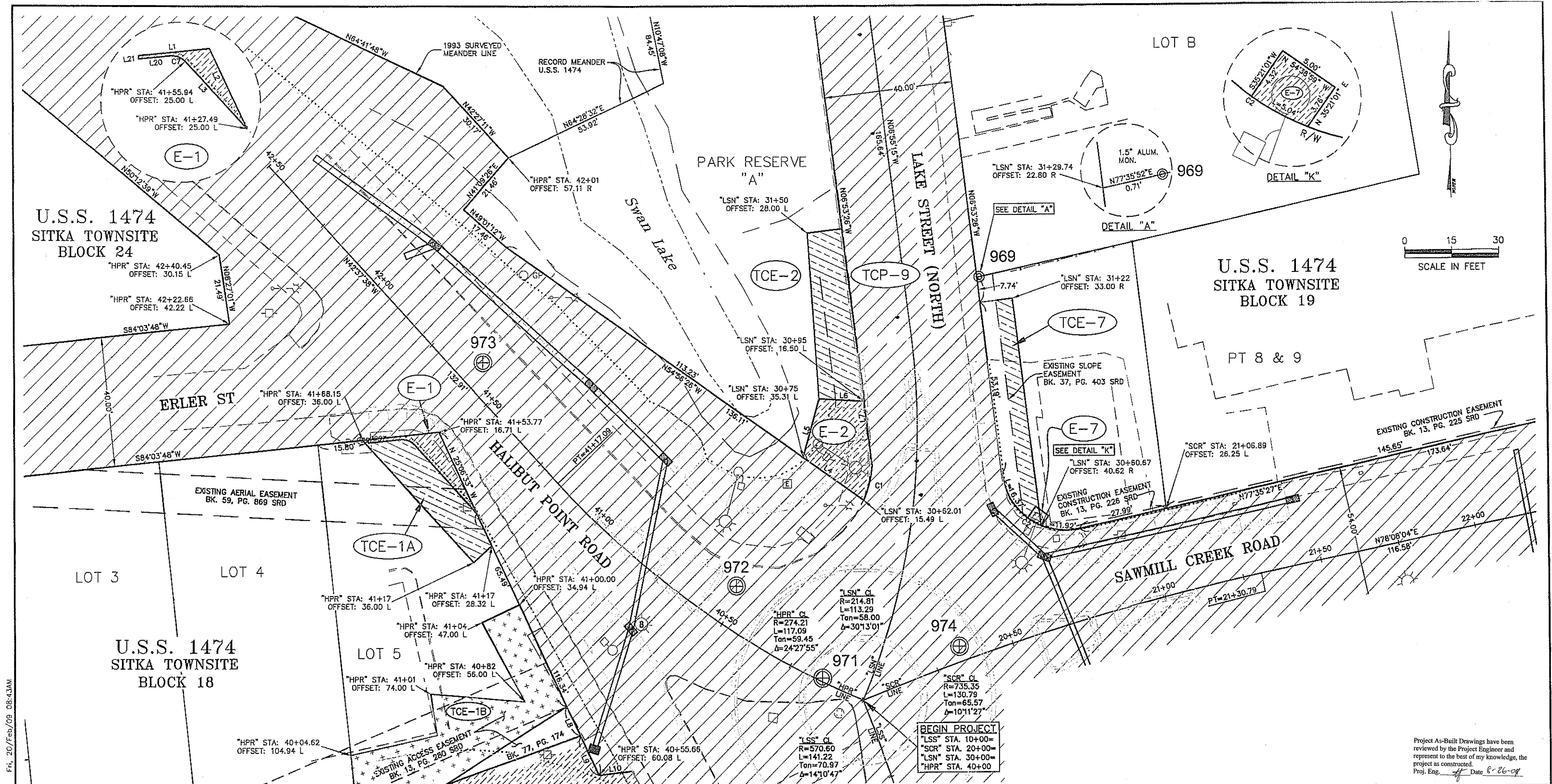
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Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date 8-26-09

DATE	REVISIONS			BY
STATE OF ALASKA				
DEPARTMENT OF TRANSPORTATION				
&				
PUBLIC FACILITIES				
RIGHT OF WAY MAP				
ALASKA PROJECT NO. 68943				
ACHHE-000S(549)				
SITKA HALIBUT POINT ROAD ROUNDABOUT				
DRAWN	ROW	DATE	7/2007	SCALE 1"=30'
CHECKED		DATE		SHEET W4 OF 6

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Fri, 20/Feb/09 08:43AM



EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-1	MT. VERSTOVIA BUILDING CORP.	148 S.F.	RIGHT OF WAY	
E-2	CITY OF SITKA	458 S.F.	RIGHT OF WAY	
E-7	SALVATION ARMY	20 S.F.	LIGHT POLE	

TEMPORARY CONSTRUCTION EASEMENT			
TCE NO.	OWNER	AREA	PURPOSE
TCE-1A	MT. VERSTOVIA BUILDING CORP.	486 S.F.	CONSTRUCTION
TCE-1B	MT. VERSTOVIA BUILDING CORP.	1544 S.F.	CONSTRUCTION
TCE-2	CITY OF SITKA	643 S.F.	CONSTRUCTION
TCE-7	SALVATION ARMY	670 S.F.	CONSTRUCTION

TEMPORARY CONSTRUCTION PERMIT			
TCP NO.	OWNER	AREA	PURPOSE
TCP-9	CITY OF SITKA	3,686 S.F.	CONSTRUCTION

LINE TABLE		
LINE	BEARING	LENGTH
L1	S84°03'48"W	22.31'
L2	N25°06'33"W	27.55'
L3	N42°37'38"W	28.45'
L4	N54°56'26"W	22.88'
L5	N15°35'27"E	18.86'
L6	N86°44'13"W	13.93'
L7	N06°53'26"W	20.18'
L8	N25°06'33"W	10.04'
L9	N25°06'33"W	13.25'
L20	S84°03'48"W	9.95'
L21	N05°56'12"W	1.00'

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	10.87'	32.25'	19°19'01"	N14°18'27"E	10.82'
C2	33.34'	20.00'	95°31'07"	S54°38'59"E	29.61'
C3	12.89'	20.00'	36°55'24"	S33°59'33"W	12.67'
C7	5.12'	5.50'	53°18'34"	N69°16'55"W	4.93'

NOTE:
C1 & C3 ARE NOT TANGENT.

03/08	ADD E-7	J.P.
01/08	REVISE SLOPES & AREA E-1 & TCE-1A	J.P.
12/07	REVISE AREA E-2 & TCE-2	J.P.
10/07	REVISE TCE-1B	J.P.
7/07	REVISE SLOPES & AREA E-1 & E-2	J.P.
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO. 68943
ACHHE-000S(549)
SITKA HALIBUT POINT ROAD ROUNDABOUT

DRAWN	ROW	DATE	1/2007	SCALE	1"=15'
CHECKED		DATE		SHEET	W5 OF 6

U.S.S. 1474
SITKA TOWNSITE
BLOCK 18

LOT 5

"HPR" STA: 40+04.62
OFFSET: 104.94 L

"HPR" STA: 40+90.61
OFFSET: 122.05 L

"HPR" STA: 40+86.96
OFFSET: 104.40 L

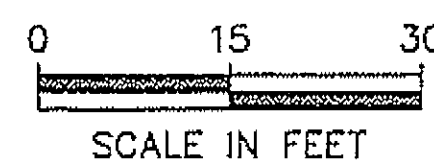
U.S.S. 1474
SITKA TOWNSITE
BLOCK 18

LOT 6

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C3	12.89'	20.00'	36°55'24"	S33°59'33"W	12.67'
C4	15.07'	373.54'	2°18'40"	N08°01'49"W	15.07'
C5	21.29'	26.00'	46°54'54"	N18°01'39"E	20.70'
C6	47.10'	125.00'	21°35'21"	N64°29'46"E	46.82'
C8	7.34'	125.00'	3°21'50"	N49°37'53"E	7.34'

NOTE: C3, C5, C6 & C8 NOT TANGENT

LINE TABLE		
LINE	BEARING	LENGTH
L8	N25°06'33"W	10.04'
L9	N25°06'33"W	13.25'
L10	S83°04'49"W	10.49'
L11	N29°13'56"W	23.09'
L14	S57°46'15"W	9.84'
L15	S44°45'52"W	7.16'
L16	N05°25'33"W	32.11'
L17	N05°25'33"W	7.90'
L18	N35°08'33"E	1.73'
L19	N06°51'45"W	31.07'



EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-3	SITKA SUPER 8 MOTEL	705 S.F.	RIGHT OF WAY	
E-3A	SITKA SUPER 8 MOTEL	10 S.F.	LIGHT POLE	
E-5A	SITKA CHURCH OF NAZARENE	1,560 S.F.	RIGHT OF WAY	

TEMPORARY CONSTRUCTION PERMIT				PURPOSE
TCP NO.	OWNER	AREA		
TCP-4	CITY OF SITKA	5,950 S.F.		CONSTRUCTION
TEMPORARY CONSTRUCTION EASEMENT				PURPOSE
TCE NO.	OWNER	AREA		
TCE-3	SITKA SUPER 8 MOTEL	594 S.F.		CONSTRUCTION
TCE-3A	SITKA SUPER 8 MOTEL	665 S.F.		CONSTRUCTION
TCE-5	SITKA CHURCH OF NAZARENE	5,805 S.F.		CONSTRUCTION
TCE-8	CITY OF SITKA	647 S.F.		CONSTRUCTION

U.S.S. 1474
SITKA TOWNSITE
BLOCK 2
LOT 1

SWAN CREEK SUBDIVISION

"LSS" STA: 12+62.50
OFFSET: 40.00 R

U.S.S. 1474
SITKA TOWNSITE
BLOCK 17
TRACT

DATE	REVISIONS	BY
10/08	DELETE E-5B & REVISE TCE-5	J.P.
09/08	REVISE TCE-3A	J.P.
03/08	ADD E-3A & REVISE TCE-3A	J.P.
03/08	REVISE AREA E-3 & TCE-3	J.P.
10/07	DELETE PARCEL 4 REVISE AREA TCP-4	J.P.
10/07	REVISE E-5A & TCE-5	J.P.
7/07	REVISE SLOPES & ADD E-5A & E-5B	J.P.
7/07	REVISE SLOPES & AREA E3, DELETE E5	J.P.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO. 68943
ACHHE-000S(549)
SITKA HALIBUT POINT ROAD ROUNDABOUT

DRAWN	ROW	DATE	1/2007	SCALE	1"=15'
CHECKED		DATE		SHEET	W6 OF 6

File: 20/Feb/09 08:44AM

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