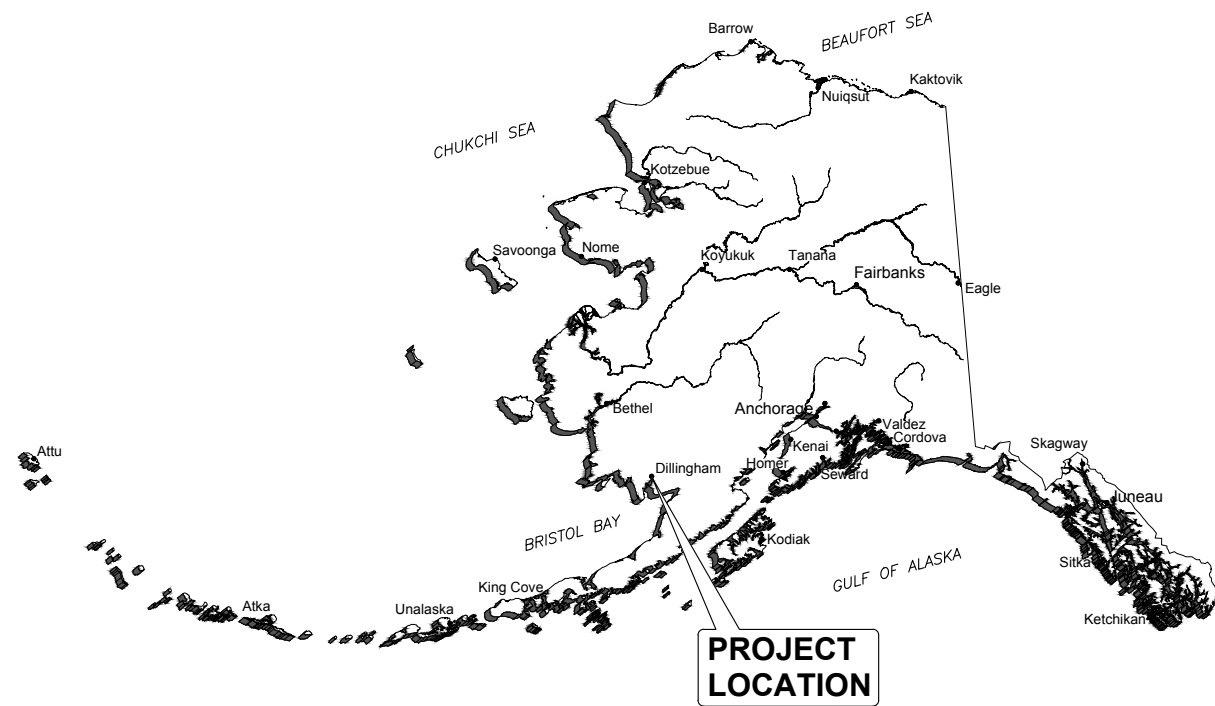


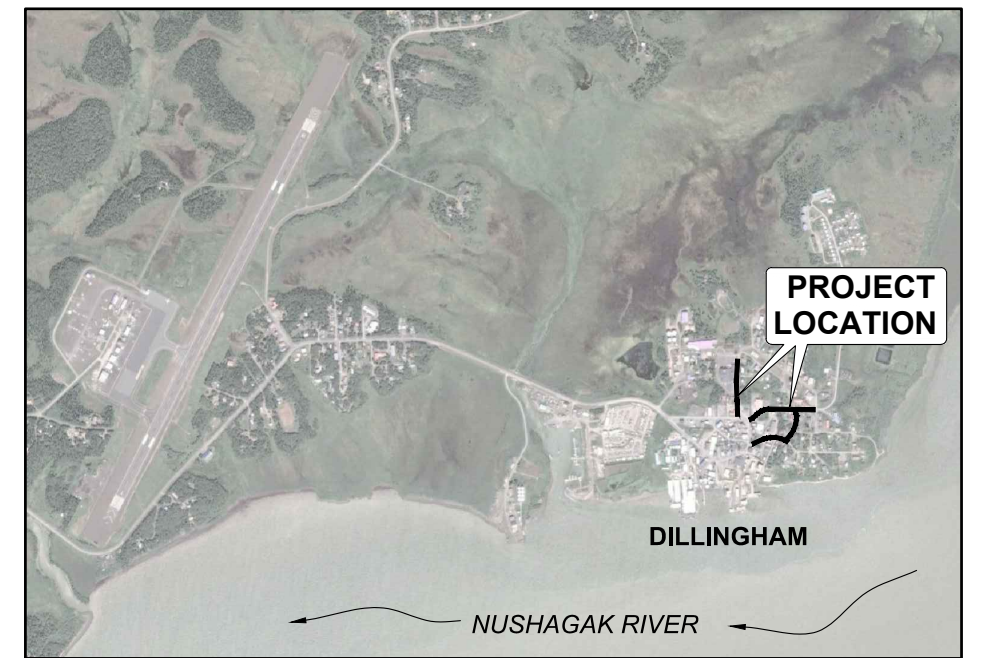
# DILLINGHAM STREETS REHABILITATION

MAIN STREET, D STREET, SEWARD STREET, AND CENTRAL AVENUE  
 JUNE 2019  
 DILLINGHAM, ALASKA



**STATE OF ALASKA**

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**DILLINGHAM VICINITY**

**ISSUED FOR BID**  
 6/18/19

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REV	DATE	DESCRIPTION



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

1506 West 36th Avenue  
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 Phone: 907.561.1011  
 www.pndengineers.com  
 AK. LIC# AECC250



PROJECT:		<b>DILLINGHAM STREETS REHABILITATION</b>	
TITLE:		COVER SHEET, VICINITY MAP, AND SHEET INDEX	
DESIGNED BY:	JG	DATE:	6/18/19
CHECKED BY:	PK	PROJECT NO:	181157
SHEET NO:			<b>A1</b> OF A4

**GENERAL NOTES**

1. SAWCUT STRAIGHT LINE 1' INTO EXISTING A.C. PAVEMENT, EXACT LOCATION TO BE VERIFIED BY OWNER'S REPRESENTATIVE.
2. MATCH EXISTING FINISH GRADES AT PROJECT LIMITS AND WHERE REQUIRED TO MATCH AT EXISTING ROADS.
3. THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND ARE NOT SHOWN IN THE PROFILES. ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY, PRIOR TO BEGINNING WORK. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTOR'S RECORD DRAWINGS. CONTACT LOCAL UTILITY COMPANIES PRIOR TO ANY/ALL EXCAVATIONS.
4. ALL WORK SHALL BE CONTAINED WITHIN THE RIGHT OF WAY UNLESS NOTED OTHERWISE ON DRAWINGS OR AUTHORIZED BY THE ENGINEER.
5. ADJACENT AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER.
6. GRADING AND FINAL SURFACING ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER TO FIT SITE CONDITIONS.
7. SEE TYPICAL SECTIONS FOR APPROXIMATE LIMITS OF EXCAVATION. EXCAVATION SHALL BE CARRIED DOWN TO SUITABLE SUBGRADE MATERIAL AS VERIFIED BY THE ENGINEER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY.
9. CONTRACTOR SHALL KEEP UP-TO-DATE REDLINED PLAN SET ON-SITE.
10. EXTENTS OF IMPROVEMENTS SHOWN IN PLANS AND SUMMARY TABLES ARE APPROXIMATE AND SUBJECT TO CHANGE AFTER SITE PRE-CLEANING.
11. PROFILE GRADES ARE APPROXIMATE AND PROVIDED FOR REFERENCE ONLY.
12. ADJUST ALL PAVEMENT PENETRATIONS TO FINAL GRADE PRIOR TO PAVING.

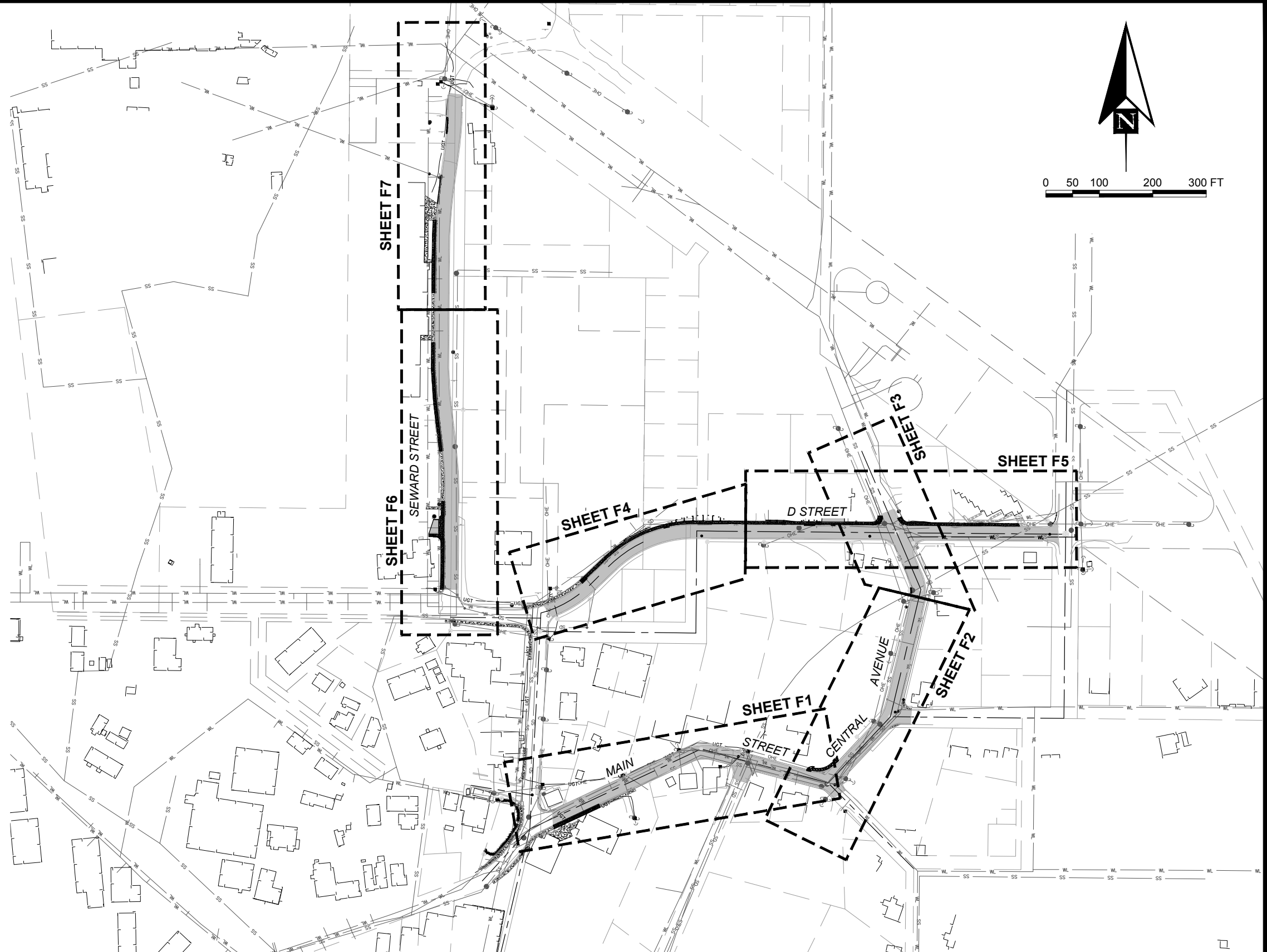
IF ANY PAVEMENT PENETRATION REQUIRES GRADE ADJUSTMENT AFTER FINAL LIFT PAVING, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, SAW CUT A NEAT LINE ALONG THE PAVEMENT TO BE REMOVED. USE AN INFRARED HEATER TO HEAT THE EXISTING PAVEMENT; EQUIPMENT AND MAXIMUM TEMPERATURE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE. REPLACE THE REMOVED ASPHALT WITH NEW HOT MIX ASPHALT AND THOROUGHLY COMPACT. SEAL JOINTS, AT LEAST 12 INCHES WIDE CENTERED ON JOINT, USING ASPHALT SYSTEMS GSB-88, OR APPROVED EQUAL, WHILE THE HOT MIX ASPHALT IS CLEAN, FREE OF MOISTURE AND PRIOR TO STRIPING.

THERE SHALL BE NO PAYMENT FOR ADDITIONAL WORK CAUSED BY FAILURE TO ADJUST PAVEMENT PENETRATIONS TO FINAL GRADE.

13. PLACE 4" TOPSOIL AND SEED ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.

**THE FOLLOWING ADOT STANDARD DRAWINGS APPLY TO THIS PROJECT:**

- C-04.12, C-05.20
- D-20.05, D-22.01, D-23.01, D-24.00
- S-00.11, S-01.01, S-05.01, S-30.04
- T-21.03, T-23.00



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**DILLINGHAM STREETS REHABILITATION**

**SHEET LAYOUT AND GENERAL NOTES**

DESIGNED BY: JG	DATE: 6/18/19	SHEET NO: <b>A2</b> OF A4
CHECKED BY: PK	PROJECT NO: 181157	

ABBREVIATIONS

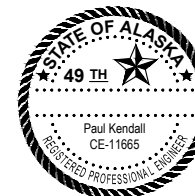
AC – ASPHALT CEMENT  
 ADOT – STATE OF ALASKA DEPARTMENT OF TRANSPORTATION  
 ATB – ASPHALT TREATED BASE  
 AVAP – AS VERTICAL AS POSSIBLE  
 BP – BEGIN PROJECT ALIGNMENT  
 BM – BENCH MARK  
 CF – CUBIC FOOT  
 CL – CENTERLINE  
 CPEP – CORRUGATED POLYETHYLENE PIPE  
 CY – CUBIC YARD  
 E – EASTING  
 ELEV – ELEVATION  
 EP – END PROJECT ALIGNMENT  
 HMA – HOT MIX ASPHALT  
 L – LENGTH  
 LB – POUND  
 LF – LINEAL FOOT  
 LT – LEFT  
 MAX – MAXIMUM  
 MBM – THOUSAND FEET BOARD MEASURE  
 MIN – MINIMUM  
 MLLW – MEAN LOWER LOW WATER  
 N – NORTHING  
 NIC – NOT IN CONTRACT  
 NTS – NOT TO SCALE  
 P.C.C. – PORTLAND CEMENT CONCRETE  
 PC – POINT OF CURVE  
 PG – PROFILE GRADE  
 PI – POINT OF INTERSECTION  
 PT – POINT OF TANGENT  
 PVI – POINT OF VERTICAL INTERSECTION  
 PVT – POINT OF VERTICAL TANGENT  
 R – RADIUS  
 ROW – RIGHT OF WAY  
 RT – RIGHT  
 SDMH – STORM DRAIN MANHOLE  
 SF – SQUARE FOOT  
 SSMH – SANITARY SEWER MANHOLE  
 STA – STATION  
 STE – SPECIAL TACK EMULSION  
 SWPPP – STORM WATER POLLUTION PREVENTION PLAN  
 SY – SQUARE YARD  
 T – TANGENT  
 TBM – TIDAL BENCH MARK  
 TYP – TYPICAL  
 VC – VERTICAL CURVE

LEGEND

EXISTING	PROPOSED	
###		POINT NUMBER IDENTIFIER
		PRIMARY PROJECT CONTROL-GPS
		SET PND SECONDARY PROJECT CONTROL
		PRIMARY VERTICAL BENCHMARK (BM)
		TEMPORARY BENCHMARK (TBM)
		BLM/GLO MONUMENT FOUND
		ALUMINUM MONUMENT FOUND
		ALUMINUM CAP FOUND
		REBAR OR PLASTIC CAP FOUND
		REBAR FOUND
		PK NAIL FOUND
		POWER POLE
		GUY ANCHOR
		ELECTRIC METER
		ELECTRIC BOX
		TELEPHONE PEDESTAL
		WATER WELL
		SIGN (TYP)
		FIRE HYDRANT
		STORM DRAIN BEEHIVE
		STORM DRAIN
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		WATER VALVE
		BRISTOL BAY RECORDING DISTRICT PLAT NO.
		EXISTING FENCELINE
		UNDERGROUND TELEPHONE
		STORMDRAIN
		WATER LINE
		SANITARY SEWER
		BUILDING LINE
		OVERHEAD ELECTRIC
		CURB AND GUTTER
		EDGE OF GRAVEL SURFACING
		ASPHALT
		CONCRETE
		ROCK LINED DITCH
		FILL LIMIT
		CUT LIMIT

**ISSUED FOR BID**  
 6/18/19

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PROJECT: **DILLINGHAM STREETS REHABILITATION**

TITLE: **LEGEND AND ABBREVIATIONS**

DESIGNED BY: JG	DATE: 6/18/19	SHEET NO: <b>A3</b> OF A4
CHECKED BY: PK	PROJECT NO: 181157	

REV	DATE	DESCRIPTION

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

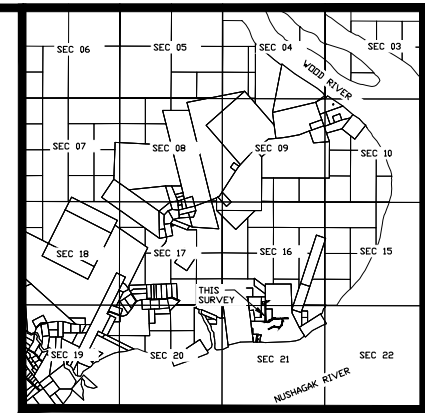
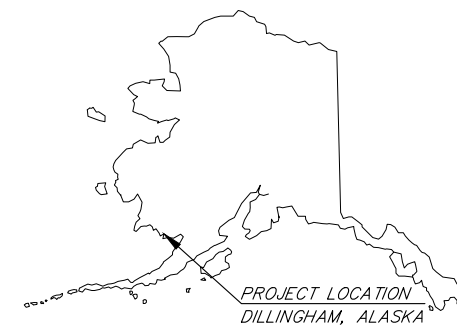


**NOTES**

1. BASIS OF COORDINATES FOR THIS SURVEY ARE NAD 83, ALASKA STATE PLANE ZONE 6 IN U.S. SURVEY FEET, DERIVED FROM AND HOLDING THE COORDINATES PUBLISHED ON PLAT NO. 2012-19 BRISTOL BAY RECORDING DISTRICT, DATED DECEMBER 13, 2012. THE POSITION OF POINT NUMBER 5 WAS VERIFIED AND HELD FOR THIS PROJECT. THE NAD83 ASP Z6 COORDINATES OF SAID POINT NUMBER 5 HELD FOR THIS SURVEY ARE AS FOLLOWS: N:1841611.0800', E:1552518.4240'.
2. THE VERTICAL CONTROL FOR THIS SURVEY IS MEAN LOWER LOW WATER (MLLW=0.0') BASED ON NATIONAL OCEAN SERVICE (NOS) "BM 5374 D 2007" (POINT NUMBER 602), A BRASS CAP CEMENTED IN A CONCRETE PATIO BETWEEN A CITY BUILDING AND A PRESCHOOL, HAVING A MLLW ELEVATION OF 60.25' AS PUBLISHED ON PLAT NO. 2012-19 BRISTOL BAY RECORDING DISTRICT, DATED DECEMBER 13, 2012.
3. THE FIELD SURVEY WAS PERFORMED OCTOBER 23-28, 2018, BY PND ENGINEERS.
4. ALL DIMENSIONS AND COORDINATES ARE IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
5. THIS SURVEY WAS COMPLETED USING GNSS SURVEY TECHNIQUES. REAL TIME KINEMATIC (RTK) OBSERVATIONS WERE STORED USING TRIMBLE R8 MODEL 4 AND TRIMBLE R10, GNSS RECEIVERS.
6. NO TITLE SEARCH WAS PREPARED FOR THIS SURVEY. EASEMENTS AND ENCUMBRANCES SHOWN HEREON ARE FROM PLATS OF RECORD. OTHER EASEMENTS AND ENCUMBRANCES MAY EXIST.

SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	1840922.9100	1552715.3870	41.92	Fd Rbr/ AC[DOWLHKM]; DDS 2 2012
3	1841080.7420	1553142.1810	52.39	Fd PK/Wash[DOWLHKM]; DDS-3 2012
5	1841611.0800	1552518.4240	40.97	Fd Rbr/ AC[DOWLHKM]; -ODS-
6	1841265.7680	1552856.9790	53.16	Fd Rbr/ AC[DOWLHKM]; DDS-401 2012
7	1841796.4410	1554256.9580	86.06	Set PK/Wash[PND CP]
8	1841632.5140	1553042.2490	63.09	Set PK/Wash[PND CP]
11	1841491.8170	1552101.2670	36.56	Fd Rbr/OPC[AKDOT]; CP-1
12	1841880.8850	1551572.0260	35.13	Fd Rbr/OPC[AKDOT]; CP-2
401	1841186.3970	1553147.2460	57.23	Set PK/Wash[PND CP]
402	1841353.0710	1553155.4040	62.56	Set PK/Wash[PND CP]
403	1841294.2930	1553473.9750	68.65	Set PK/Wash[PND CP]

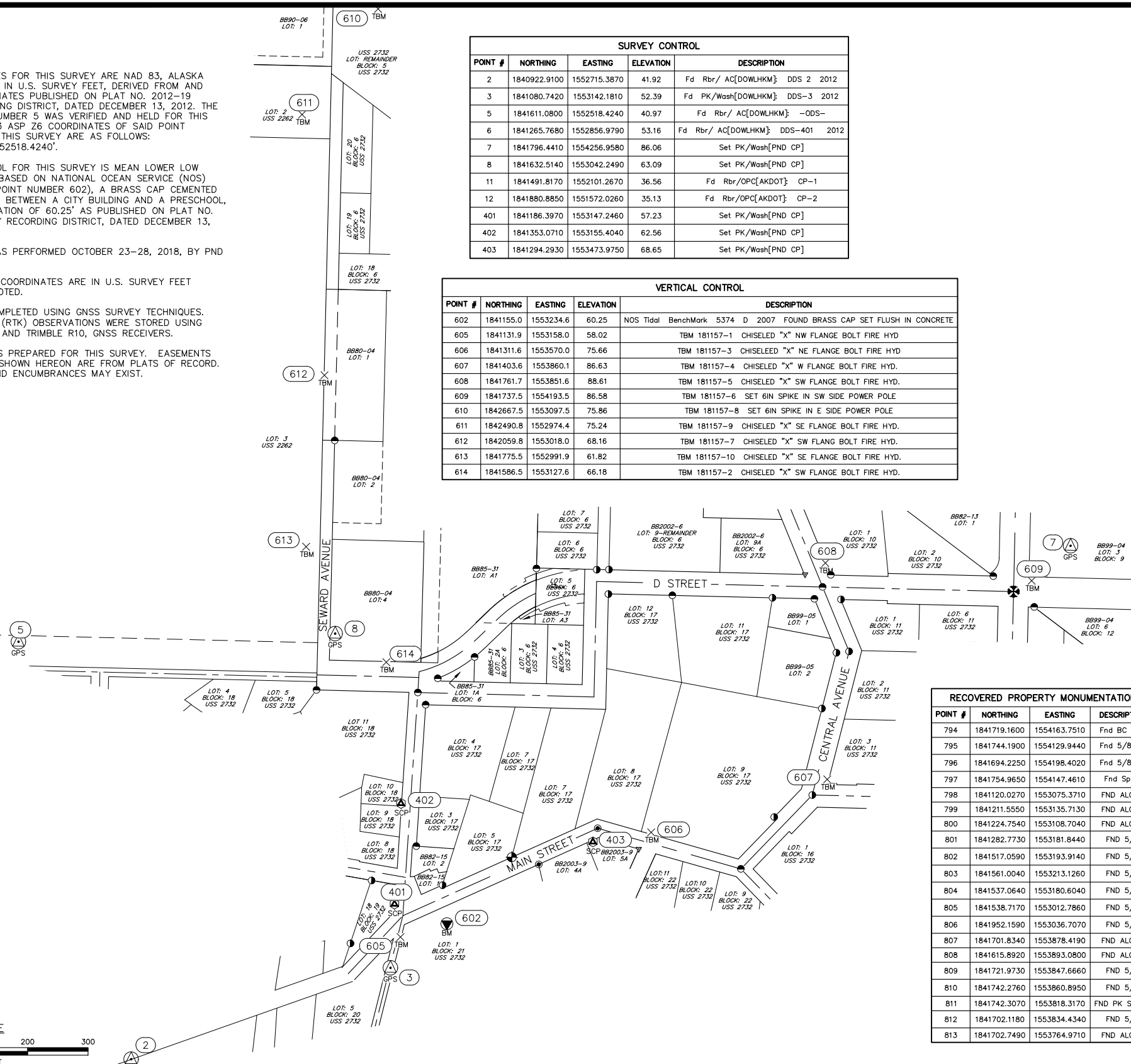
VERTICAL CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
602	1841155.0	1553234.6	60.25	NOS Tidal BenchMark 5374 D 2007 FOUND BRASS CAP SET FLUSH IN CONCRETE
605	1841131.9	1553158.0	58.02	TBM 181157-1 CHISELED "X" NW FLANGE BOLT FIRE HYD
606	1841311.6	1553570.0	75.66	TBM 181157-3 CHISELED "X" NE FLANGE BOLT FIRE HYD
607	1841403.6	1553860.1	86.63	TBM 181157-4 CHISELED "X" W FLANGE BOLT FIRE HYD.
608	1841761.7	1553851.6	88.61	TBM 181157-5 CHISELED "X" SW FLANGE BOLT FIRE HYD.
609	1841737.5	1554193.5	86.58	TBM 181157-6 SET 6IN SPIKE IN SW SIDE POWER POLE
610	1842667.5	1553097.5	75.86	TBM 181157-8 SET 6IN SPIKE IN E SIDE POWER POLE
611	1842490.8	1552974.4	75.24	TBM 181157-9 CHISELED "X" SE FLANGE BOLT FIRE HYD.
612	1842059.8	1553018.0	68.16	TBM 181157-7 CHISELED "X" SW FLANGE BOLT FIRE HYD.
613	1841775.5	1552991.9	61.82	TBM 181157-10 CHISELED "X" SE FLANGE BOLT FIRE HYD.
614	1841586.5	1553127.6	66.18	TBM 181157-2 CHISELED "X" SW FLANGE BOLT FIRE HYD.



VICINITY MAP  
SCALE 1" = 1 MILE

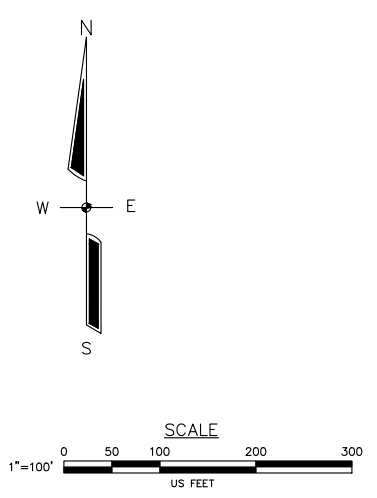
**SURVEY LEGEND**  
(ALL SHEETS)

- ### POINT NUMBER IDENTIFIER
- GPS PRIMARY PROJECT CONTROL-GPS
- SCP SET PND SECONDARY PROJECT CONTROL
- BM PRIMARY VERTICAL BENCHMARK (BM)
- TBM TEMPORARY BENCHMARK (TBM)
- BLM/GLO MONUMENT FOUND
- ALUMINUM MONUMENT FOUND
- ALUMINUM CAP FOUND
- REBAR OR PLASTIC CAP FOUND
- REBAR FOUND
- PK NAIL FOUND
- POWER POLE
- GUY ANCHOR
- ELECTRIC METER
- ELECTRIC BOX
- TELEPHONE PEDESTAL
- WATER WELL
- SIGN (TYP)
- FIRE HYDRANT
- STORM DRAIN BEEHIVE
- STORM DRAIN
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE
- WATER VALVE
- BBXXXX-XX BRISTOL BAY RECORDING DISTRICT PLAT NO.
- EXISTING FENCELINE
- UGT UNDERGROUND TELEPHONE
- SD STORMDRAIN
- WL WATER LINE
- SS SANITARY SEWER
- BUILDING LINE
- OHE OVERHEAD ELECTRIC



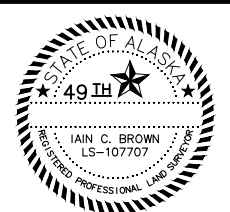
RECOVERED PROPERTY MONUMENTATION			
POINT #	NORTHING	EASTING	DESCRIPTION
794	1841719.1600	1554163.7510	Fnd BC GLO
795	1841744.1900	1554129.9440	Fnd 5/8 GE
796	1841694.2250	1554198.4020	Fnd 5/8 GE
797	1841754.9650	1554147.4610	Fnd Spike
798	1841120.0270	1553075.3710	FND ALCAP
799	1841211.5550	1553135.7130	FND ALCAP
800	1841224.7540	1553108.7040	FND ALCAP
801	1841282.7730	1553181.8440	FND 5/8
802	1841517.0590	1553193.9140	FND 5/8
803	1841561.0040	1553213.1260	FND 5/8
804	1841537.0640	1553180.6040	FND 5/8
805	1841538.7170	1553012.7860	FND 5/8
806	1841952.1590	1553036.7070	FND 5/8
807	1841701.8340	1553878.4190	FND ALCAP
808	1841615.8920	1553893.0800	FND ALCAP
809	1841721.9730	1553847.6660	FND 5/8
810	1841742.2760	1553860.8950	FND 5/8
811	1841742.3070	1553818.3170	FND PK SHAFT
812	1841702.1180	1553834.4340	FND 5/8
813	1841702.7490	1553764.9710	FND ALCAP

RECOVERED PROPERTY MONUMENTATION			
POINT #	NORTHING	EASTING	DESCRIPTION
814	1841704.2500	1553599.3080	FND 5/8
815	1841704.7880	1553493.4070	FND ALCAP
816	1841745.2780	1553493.7090	FND ALCAP
817	1841744.8320	1553473.5200	FND ALCAP
818	1841745.3560	1553373.7410	FND 5/8
819	1841597.1950	1553273.5970	FND 5/8 GE
820	1842816.8750	1553024.1740	FND BC BLM
821	1841377.3680	1553835.8740	FND ALCAP
822	1841520.7290	1553849.6320	FND ALCAP
823	1841613.3900	1553872.3280	FND ALCAP
824	1841339.8900	1553773.4570	FND ALCAP
825	1841253.2660	1553719.5570	FND 5/8
826	1841283.7140	1553549.9430	FND PK
828	1841316.8880	1553481.6240	FND 1/2
829	1841255.6900	1553384.9520	FND 1/2
830	1841266.7610	1553340.1940	FND ALCAP 3.25
831	1841218.9360	1553226.2600	FND ALCAP 1.5



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6/18/19

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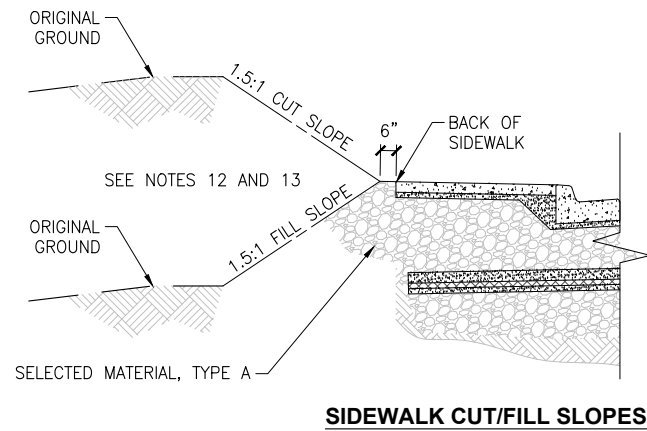


**DILLINGHAM STREETS REHABILITATION**

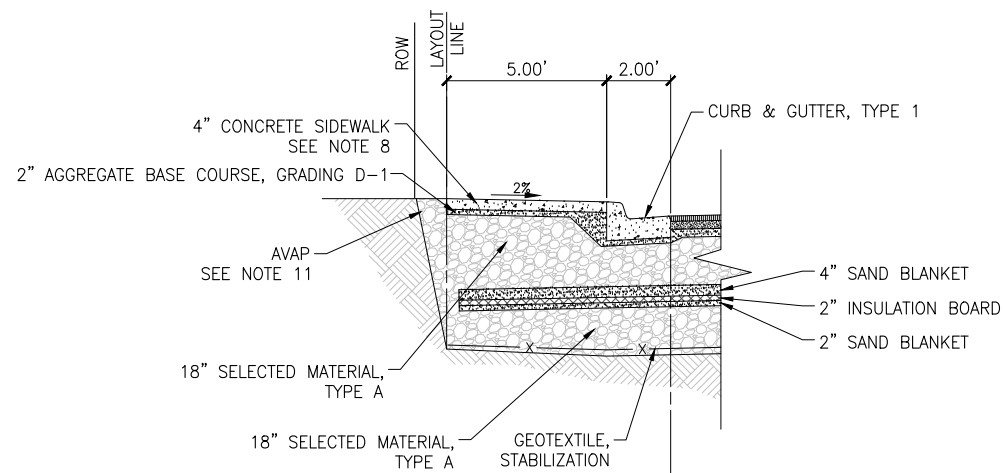
TITLE: SURVEY CONTROL

FIELD BOOK: 2018, 2017/2018	SCALE: 1" = 100'	SHEET NO:
DESIGNED BY: ICB	DATE: 6/18/19	<b>A4</b> OF A4
CHECKED BY: AJ/PK	PROJECT NO: 181157	

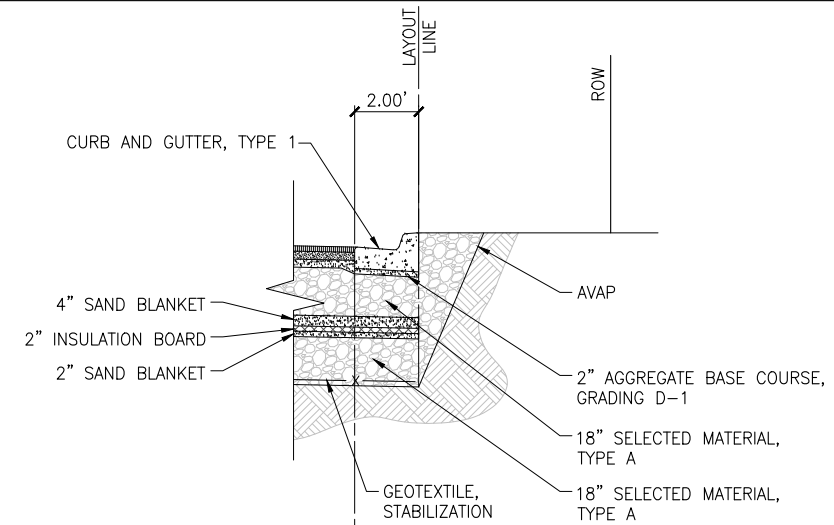




**SIDEWALK CUT/FILL SLOPES**



**WITH CURB & GUTTER AND 4" SIDEWALK**



**WITH CURB & GUTTER**

**NOTES:**

- ALIGNMENT CENTERLINES FOLLOW EXISTING ROADWAY CENTERLINES.
- STATION LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY ENGINEER DURING CONSTRUCTION.
- PROFILE GRADE POINT IS APPROXIMATE. CONTRACTOR SHALL GRADE AT INDICATED CROSS SLOPE TO CENTERLINE FROM EDGE OF GUTTER.
- MATCH EXISTING PAVEMENT ELEVATION AT APPROACHES AND CONNECTING STREETS.
- COORDINATE EXACT LOCATION OF TIE-IN WITH ENGINEER.
- USE TACK COAT WHERE MATCHING EXISTING AND AS SPECIFIED BY ENGINEER.
- TRANSITION CROSS SLOPE TO MATCH EXISTING AT EOP OVER A MINIMUM OF 50 FEET.
- SEE PLAN FOR LOCATIONS OF 6" CONCRETE SIDEWALK AT DRIVEWAYS.
- REMOVE AND DISPOSE OF EXISTING AC PAVEMENT OFFSITE AT THE CONTRACTOR'S DISPOSAL SITE.
- UNDERGROUND UTILITIES ARE PRESENT WITHIN PROJECT AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR WORKING AROUND UTILITIES AND COORDINATING WITH UTILITY COMPANIES AS REQUIRED.
- ROW WIDTH VARIES. CONTRACTOR SHALL LIMIT EXCAVATION AND GRADING TO ROW LIMITS, UNLESS NOTED OTHERWISE OR APPROVED BY THE ENGINEER.
- ALL CUT/FILL SLOPES SHALL BE SEEDED PER THE PROJECT SPECIFICATIONS.
- WHERE DRIVEWAYS ARE PRESENT: CONTRACTOR SHALL REMOVE 5' OF EXISTING DRIVEWAY SURFACE TREATMENTS, REGRADE SUBBASE, AND REPLACE IN-KIND AT THE DIRECTION OF THE ENGINEER. CONTRACTOR SHALL SAWCUT IMPROVEMENTS AT THE LIMITS OF EXCAVATION WHERE APPLICABLE. TYPICAL ALL DRIVEWAYS.

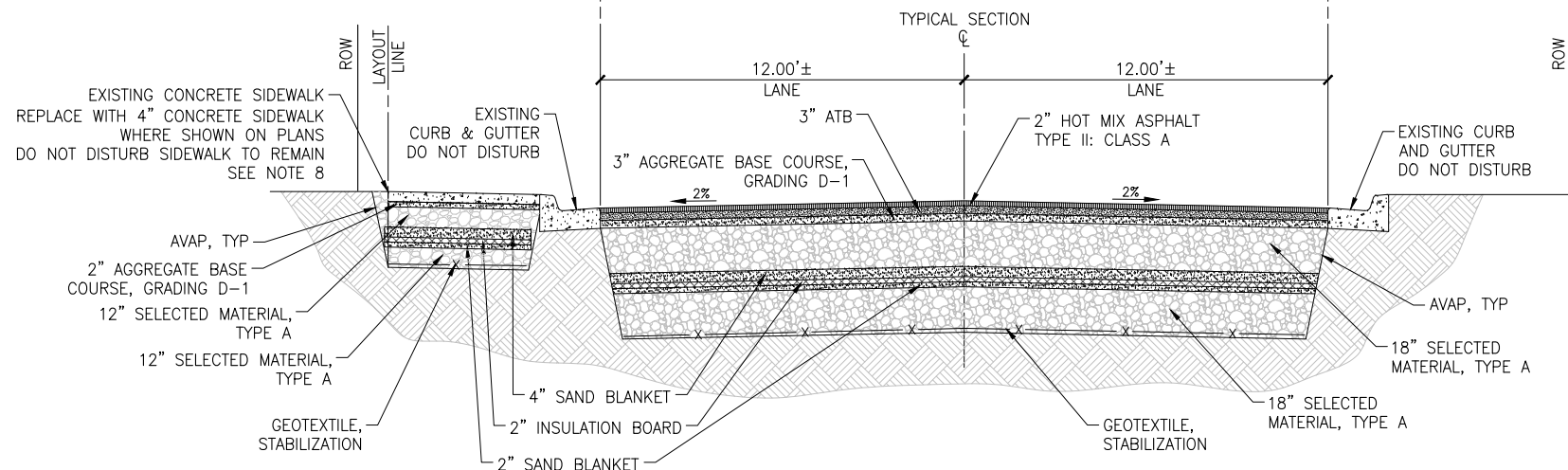
**MAIN STREET**  
10+42.51 TO 11+36.21 (RT)

**D STREET**  
14+49.67 TO 14+59.12 (LT)  
15+10.11 TO 15+35.87 (LT)  
17+09.43 TO 17+29.43 (LT)  
17+60.33 TO 17+67.33 (LT)

**SEWARD STREET**  
1+55.66 TO 3+19.70 (LT)  
4+16.53 TO 6+17.95 (LT)  
7+11.21 TO 8+46.45 (LT)

**CENTRAL AVENUE**  
14+08.00 TO 14+19.40 (LT)

**SEWARD STREET**  
8+77.40 TO 9+30.74 (LT)  
10+10.00 TO 10+40.78 (LT)



**1**  
**B1** NTS  
**TYPICAL SECTION**

**MAIN STREET**  
11+36.21 TO 16+26.75

**CENTRAL AVENUE**  
10+00.00 TO 14+08.00  
14+19.40 TO 15+70.60

**D STREET**  
11+83.40 TO 12+67.91  
12+67.91 TO 14+49.67 (SEE NOTE 8)  
14+59.12 TO 15+10.11 (SEE NOTE 8)  
15+35.87 TO 17+09.43 (SEE NOTE 8)  
17+29.43 TO 17+60.33 (SEE NOTE 8)  
17+67.33 TO 21+12.52 (SEE NOTE 8)  
21+12.52 TO 21+85.00

**SEWARD STREET**  
3+19.70 TO 4+16.53  
6+17.95 TO 7+11.21  
8+46.45 TO 8+77.40  
9+30.74 TO 10+10.00  
10+40.78 TO 10+85.00

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**DILLINGHAM STREETS REHABILITATION**

**TYPICAL SECTIONS**

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **B1** OF B1

ESTIMATE OF QUANTITIES			
SSHC 2017 ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	4,630
202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	260
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	750
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	13,500
203(6)	BORROW, TYPE A	TON	18,110
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	1,520
306(1)	ATB	TON	1,450
306(2)	ASPHALT BINDER, GRADE PG 52-34	TON	77
306(15)	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
401(1)	HMA, TYPE II: CLASS A	TON	990
401(4)	ASPHALT BINDER, GRADE PG 52-34	TON	52
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	3
604(4)	ADJUST EXISTING MANHOLE	EACH	9
604(10)	DRAIN BASIN AND CONNECTION	LUMP SUM	ALL REQ'D
604(13B)	REMOVE AND REPLACE STORM DRAIN MANHOLE FRAME, INLET AND GRATE	EACH	3
607(4)	RECONSTRUCTED FENCE	LUMP SUM	ALL REQ'D
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	610
608(1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	200
608(6)	CURB RAMP	EACH	4
609(2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	720
610(2)	DITCH LINING	TON	30
615(1)	STANDARD SIGN	SQUARE FOOT	104
615(6)	SALVAGE SIGN	EACH	4
618(2)	SEEDING	POUND	50
620(1)	TOPSOIL	SQUARE YARD	130
627(10)	ADJUSTMENT OF VALVE BOX	EACH	9
630(2)	GEOTEXTILE, STABILIZATION, CLASS I	SQUARE YARD	9,600

ESTIMATE OF QUANTITIES			
SSHC 2017 ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
635(1)	INSULATION BOARD	MBM	175
639(6)	APPROACH	EACH	13
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
640(4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D
641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641(2)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D
641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQ'D
641(7)	SWPPP MANAGER	LUMP SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642(3)	THREE PERSON SURVEY PARTY	HOUR	40
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643(15A)	FLAGGING	CONTINGENT SUM	ALL REQ'D
643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
644(1)	FIELD OFFICE	LUMP SUM	ALL REQ'D
644(8)	VEHICLE (LT/SUV)	EACH	1
644(10)	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQ'D
644(15)	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
646(1)	CPM SCHEDULING	LUMP SUM	ALL REQ'D
670(10)	MMA PAVEMENT MARKINGS	LUMP SUM	ALL REQ'D
685(1)	SITE PRE-CLEANING	LUMP SUM	ALL REQ'D

TABLE OF ESTIMATING FACTORS		
SSHC 2017 ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203(6)	BORROW, TYPE A	144 LB/CF
301(1)	AGGREGATE BASE COURSE, GRADING D-1	144 LB/CF
306(1)	ATB	151 LB/CF
306(2)	ASPHALT BINDER, GRADE PG 52-34	5.3% OF 306(1)
401(1A)	HMA, TYPE II: CLASS A	151 LB/CF
401(4)	ASPHALT BINDER, GRADE PG 52-34	5.3% OF 401(1)
610(2)	DITCH LINING	144 LB/CF

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PROJECT: <b>DILLINGHAM STREETS REHABILITATION</b>	
TITLE: <b>ESTIMATE OF QUANTITIES</b>	
DESIGNED BY: JG	DATE: 6/18/19
CHECKED BY: PK	PROJECT NO: 181157
SHEET NO: <b>C1</b> OF C1	

203(3), 203(6), 301(1), 306(1) 401(1)

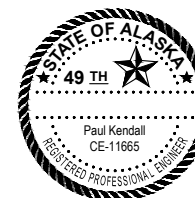
EARTHWORK SUMMARY

SHEET	ALIGNMENT	UNCLASSIFIED EXCAVATION 203(3) (C.Y.)	SELECTED MATERIAL, TYPE A 203(6) (TON)	AGGREGATE BASE COURSE, GRADING D-1 301(1) (TON)	ASPHLAT TREATED BASE, ATB 306(1) (TON)	HOT MIX ASPHALT, TYPE II: CLASS A 401(1) (TON)	REMARKS
F1	MAIN STREET	2450	3300	275	280	195	
F2-F3	CENTRAL AVENUE	2340	3155	265	270	185	
F4-F5	D STREET	4395	5850	500	465	315	
F6-F7	SEWARD STREET	4315	5805	480	435	295	
	PAY ITEM QUANTITY	13500 (C.Y.)	18110 (TONS)	1520 (TONS)	1450 (TONS)	990 (TONS)	

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PROJECT: **DILLINGHAM STREETS REHABILITATION**

TITLE: **SUMMARY TABLES**

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **D1** OF D4



202(2)

REMOVAL OF PAVEMENT

SHEET	ALIGNMENT	STATION		AREA (SF)	AREA (SY)	REMARKS
		FROM	TO			
F1	MAIN STREET	14+10	16+30	5863	651	
F2	CENTRAL AVE	10+00	15+15	13678	1520	
F3	CENTRAL AVE	15+42	15+71	879	98	
F4	D STREET	14+96	21+85	16710	1857	
F4	D STREET	17+43	17+85	420	47	
F6	SEWARD STREET	2+51	2+90	647	72	
F7	SEWARD STREET	7+92	8+46	278	31	
F7	SEWARD STREET	9+56	10+82	3141	349	
TOTAL:					4625	SY
ROUNDED TOTAL:					4630	SY

202(3)

REMOVAL OF SIDEWALK

SHEET	ALIGNMENT	STATION		OFFSET	LENGTH (LF)	AREA (SY)	REMARKS
		FROM	TO				
F1	MAIN STREET	10+42	11+37	RT	95	53	
F4	D STREET	12+68	12+81	LT	13	7	
F6	SEWARD STREET	1+55	2+59	LT	115	66	
F6	SEWARD STREET	2+89	3+20	LT	31	15	
F6	SEWARD STREET	4+16	6+18	LT	205	113	
TOTAL:						254	SY
ROUNDED TOTAL:						260	SY

202(9)

REMOVAL OF CURB AND GUTTER

SHEET	ALIGNMENT	STATION		OFFSET	LENGTH (LF)	REMARKS
		FROM	TO			
F1	MAIN STREET	10+42	11+37	RT	95	
F3	CENTRAL AVE	14+08	14+19	LT	11	
F4	D STREET	14+50	14+60	LT	10	
F4	D STREET	15+10	15+36	LT	26	
F5	D STREET	17+60	17+67	LT	7	
F6	SEWARD STREET	1+55	2+61	LT	128	
F6	SEWARD STREET	2+85	3+20	LT	51	
F6	SEWARD STREET	4+16	6+18	LT	202	
F7	SEWARD STREET	7+11	8+47	LT	136	
F7	SEWARD STREET	8+77	9+31	LT	54	
F7	SEWARD STREET	10+56	10+82	LT	26	
TOTAL:					746	LF
ROUNDED TOTAL:					750	LF

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**DILLINGHAM STREETS REHABILITATION**

SUMMARY TABLES

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **D2** OF D4

REV	DATE	DESCRIPTION

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

**604(4)**

**ADJUST EXISTING MANHOLE**

SHEET	ALIGNMENT	STATION	OFFSET	EACH	REMARKS
F1	MAIN STREET	14+43	3' RT	1	SDMH
F1	MAIN STREET	15+86	10' RT	1	SSMH
F1	MAIN STREET	15+96	2' RT	1	SDMH
F2	CENTRAL AVENUE	11+47	5' LT	1	SSMH
F3	CENTRAL AVENUE	14+14	11' LT	1	SSMH
F4	D STREET	12+75	17' RT	1	SSMH
F5	D STREET	17+00	8' LT	1	SSMH
F5	D STREET	18+59	17' LT	1	SSMH
F6	SEWARD STREET	4+21	12' RT	1	SSMH
TOTAL:				9	EACH

**604(13B)**

**REMOVE AND REPLACE STORM DRAIN MANHOLE FRAME, INLET AND GRATE**

SHEET	ALIGNMENT	STATION	OFFSET	EACH	REMARKS
F4	D STREET	12+79	12' LT	1	SDMH CURB INLET
F4	D STREET	13+73	17' LT	1	SDMH REPLACE W/SOLID LID
F6	SEWARD STREET	1+59	12' LT	1	SDMH REPLACE GRATE INLET
TOTAL:				3	EACH

**608(6)**

**CURB RAMP**

SHEET	ALIGNMENT	STATION	OFFSET	QUANTITY (EA)	REMARKS
F5	D STREET	18+53	LT	1	
F5	D STREET	18+87	LT	1	
F6	SEWARD STREET	2+54	LT	1	
F6	SEWARD STREET	2+91	LT	1	
TOTAL				4	EACH

**608(1A)**

**CONCRETE SIDEWALK, 4 INCHES THICK**

SHEET	ALIGNMENT	STATION		OFFSET	LENGTH (LF)	AREA (SY)	REMARKS
		FROM	TO				
F1	MAIN STREET	10+41	11+37	RT	95	53	
F4	D STREET	12+67	12+81	LT	13	8	
F4	D STREET	13+37	14+28	LT	96	54	
F4	D STREET	14+61	16+10	LT	151	84	
F5	D STREET	16+46	17+37	LT	90	50	
F5	D STREET	17+93	18+46	LT	53	30	
F5	D STREET	18+96	19+80	LT	84	47	
F5	D STREET	20+27	21+13	LT	84	47	
F6	SEWARD STREET	1+55	2+59	LT	102	57	
F6	SEWARD STREET	3+00	3+20	LT	19	11	
F6	SEWARD STREET	4+16	4+69	LT	53	30	
F6	SEWARD STREET	5+10	6+18	LT	110	62	
F7	SEWARD STREET	7+11	8+47	LT	136	76	
TOTAL:						609	SY
ROUNDED TOTAL:						610	SY

**608(1B)**

**CONCRETE SIDEWALK, 6 INCHES THICK**

SHEET	ALIGNMENT	STATION		OFFSET	LENGTH (LF)	AREA (SY)	REMARKS
		FROM	TO				
F4	D STREET	12+81	13+37	LT	57	32	
F4	D STREET	14+28	14+61	LT	36	20	
F4	D STREET	16+10	16+61	LT	37	21	
F5	D STREET	17+37	17+93	LT	57	32	
F5	D STREET	19+80	20+27	LT	47	27	
F6	SEWARD STREET	2+54	2+89	LT	35	36	
F6	SEWARD STREET	4+69	5+10	LT	41	23	
TOTAL:						191	SY
ROUNDED TOTAL:						200	SY

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**DILLINGHAM STREETS REHABILITATION**

**SUMMARY TABLES**

DESIGNED BY: JG DATE: 6/18/19 SHEET NO: **D3** OF D4  
CHECKED BY: PK PROJECT NO: 181157

609(2)						
CURB AND GUTTER, TYPE 1						
SHEET	ALIGNMENT	STATION		OFFSET	LENGTH (LF)	REMARKS
		FROM	TO			
F1	MAIN STREET	10+42	11+37	RT	95	
F3	CENTRAL AVE	14+08	14+19	LT	11	
F4	D STREET	14+50	14+60	LT	10	
F4	D STREET	15+10	15+36	LT	26	
F5	D STREET	17+60	17+67	LT	7	
F6	SEWARD STREET	1+55	2+61	LT	110	
F6	SEWARD STREET	3+01	3+20	LT	19	
F6	SEWARD STREET	4+17	6+18	LT	203	
F7	SEWARD STREET	7+11	8+47	LT	136	
F7	SEWARD STREET	8+77	9+31	LT	54	
F7	SEWARD STREET	10+10	10+41	LT	31	
TOTAL:					702	LF
ROUNDED TOTAL:					720	LF

630(2)			
GEOTEXTILE, STABILIZATION, CLASS I			
SHEET	AREA (SF)	AREA (SY)	REMARKS
F1	15260	1696	MAIN STREET
F2-F3	14871	1652	CENTRAL AVENUE
F4-F5	28702	3189	D STREET
F6-F7	26844	2987	SEWARD STREET
TOTAL:		9524	SY
ROUNDED TOTAL:		9600	SY

635(1)			
INSULATION BOARD			
SHEET	AREA (SF)	TOTAL (MBM)	REMARKS
F1	15124	30	MAIN STREET
F2-F3	14567	29	CENTRAL AVENUE
F4-F5	28702	57	D STREET
F6-F7	26884	54	SEWARD STREET
TOTAL:		171	MBM
ROUNDED TOTAL:		175	MBM

627(10)					
ADJUST VALVE BOX					
SHEET	ALIGNMENT	STATION	OFFSET	EACH	REMARKS
F1	MAIN STREET	11+25	16' RT	1	WATER VAULT
F1	MAIN STREET	14+22	5' LT	1	WATER VAULT
F1	MAIN STREET	16+09	7' LT	1	WATER VAULT
F2	CENTRAL AVENUE	11+81	7' RT	1	WATER VAULT
F2	CENTRAL AVENUE	11+83	12' RT	1	WATER VAULT
F4	D STREET	15+18	9' RT	1	WATER VAULT
F5	D STREET	18+33	7' RT	1	WATER VAULT
F5	D STREET	21+69	1' RT	1	WATER VAULT
F6	SEWARD STREET	2+07	15' LT	1	WATER VALVE
TOTAL:				9	EACH

639(6)							
APPROACH							
SHEET	ALIGNMENT	STATION	OFFSET	TYPE			REMARKS
				PUBLIC (EA)	RES. (EA)	COMM. (EA)	
F1	MAIN STREET	14+50	RT	1			MAIN ST / 1ST AVE
F1	MAIN STREET	16+10	CL	1			MAIN ST INTERSECTION
F2	CENTRAL AVENUE	11+70	RT	1			CENTRAL AVE / MAIN ST
F3	CENTRAL AVENUE	15+50	CL	1			CENTRAL AVE / D ST
F4	D STREET	13+00	LT		1		DRIVEWAY
F4	D STREET	14+50	LT		1		DRIVEWAY
F5	D STREET	16+25	LT		1		DRIVEWAY
F5	D STREET	17+60	LT		1		DRIVEWAY
F5	D STREET	20+00	LT		1		DRIVEWAY
F5	D STREET	21+70	CL	1			D ST / LIL' LARRY ST
F6	SEWARD STREET	2+70	LT			1	SEWARD ST / UAF CAMPUS
F6	SEWARD STREET	4+90	LT	1			SCHOOL ACCESS
F7	SEWARD STREET	10+60	LT	1			SCHOOL ACCESS
TOTAL:				7	5	1	EACH

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PROJECT: **DILLINGHAM STREETS REHABILITATION**

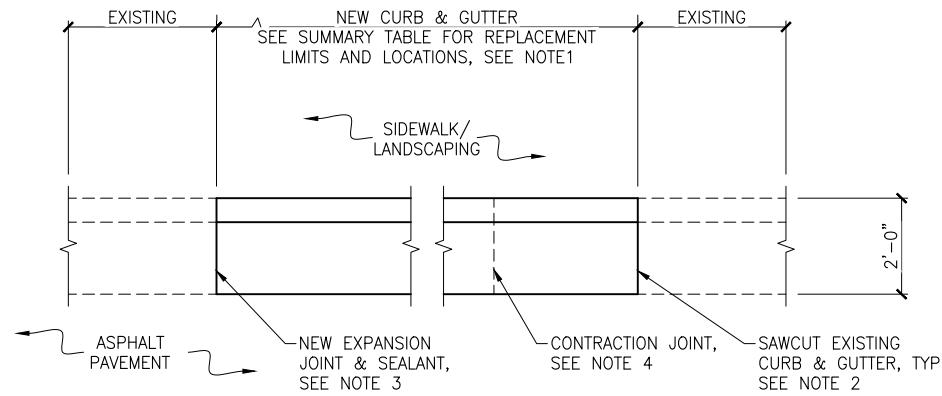
TITLE: **SUMMARY TABLES**

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157 SHEET NO: **D4** OF D4

REV	DATE	DESCRIPTION

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

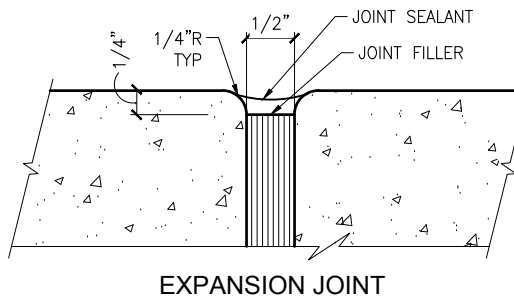
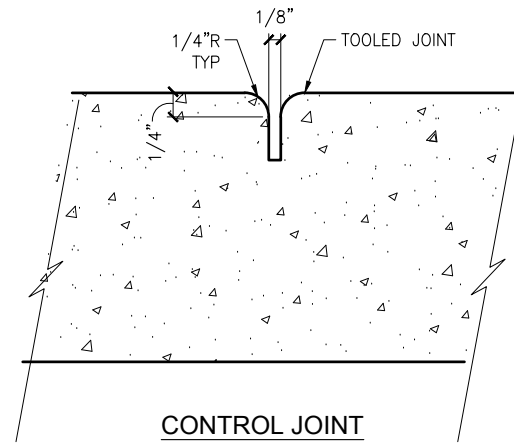




**NOTES:**

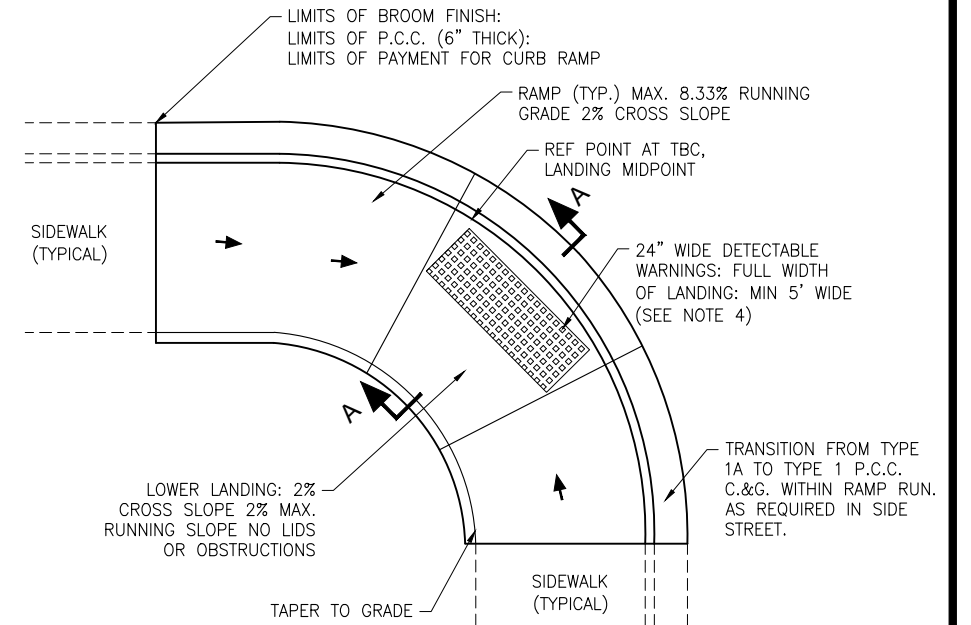
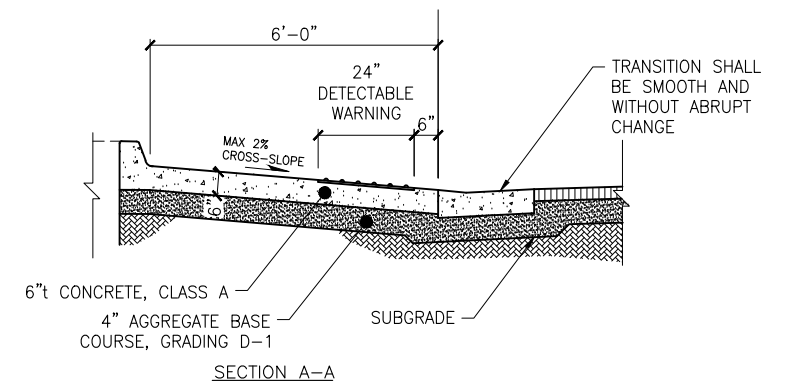
1. VERIFY LOCATION & EXTENT OF REPLACEMENT WITH OWNERS REPRESENTATIVE.
2. SAWCUT CURB & GUTTER AT AN EXISTING JOINT.
3. PROVIDE EXPANSION JOINT AS NECESSARY TO ENSURE THAT EXPANSION JOINTS ARE NO MORE THAN 50' APART. PROVIDE EXPANSION JOINT WHERE ABUTTING SIDEWALK HAS AN EXISTING EXPANSION JOINT.
4. CONTRACTION JOINTS SHALL BE 10' APART AND ALIGNED WITH JOINTS IN ABUTTING SIDEWALK.
5. CURB AND GUTTER REPLACEMENT SHALL BE COMPLETED PRIOR TO PAVING.
6. CURB AND GUTTER REPLACEMENT AT CURB RAMPS NOT SHOWN IN TABLE.

**1 CURB & GUTTER REPLACEMENT DETAIL**  
E1 NTS



**NOTE:**  
1. NO SAWCUT JOINTS, NO SLIPFORM JOINTS.

**3 TYPICAL CONCRETE WALK DETAILS**  
E1 NTS

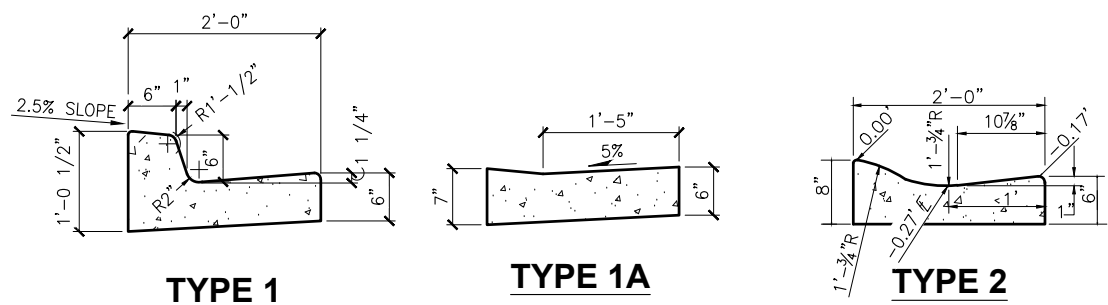


**PLAN VIEW**

**NOTE:**

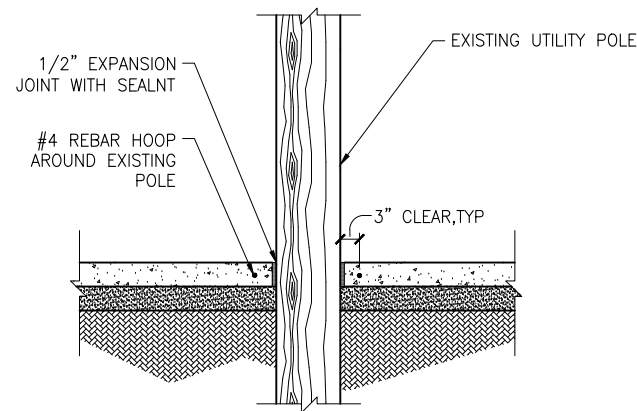
1. APPLY TACK COAT TO ALL SURFACES IN CONTACT WITH NEW ASPHALT PAVEMENT.
2. TRANSITION BETWEEN CURB TYPES WITHIN TRANSITION AREA.
3. INSTALL DETECTABLE WARNINGS (D.W.) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. SET DETECTABLE WARNINGS SO THAT THE FIELD AREA AT THE BASE OF THE DOMES IS FLUSH WITH SURROUNDING CONCRETE. NO LIP IS ALLOWED AT THE EDGE OF THE DETECTABLE WARNINGS.
4. CONSTRUCT RAMPS AND LANDINGS WITH A BROOM FINISH PERPENDICULAR TO CURB.
5. TRANSITION CURB TO BE PAID UNDER CURB TYPE 1.

**4 CONCRETE CURB RAMP**  
E1 NTS



**NOTE:**  
1. TROWEL BOTH FRONT AND BACK EDGES OF THE CURB AND GUTTER TO A RADIUS OF 1/2-INCH.  
2. CONTRACTOR TO CONFIRM EXISTING CURB TYPES DURING SITE PRE-CLEANING.  
3. OTHER CURB TYPE DETAILS INCLUDED FOR REFERENCE IF ENCOUNTERED WITHIN PROJECT AREA. VERIFY CURB TYPE REPLACEMENT WITH ENGINEER.

**2 CURB & GUTTER**  
E1 NTS



**3 SIDEWALK PENETRATION DETAIL**  
E1 NTS

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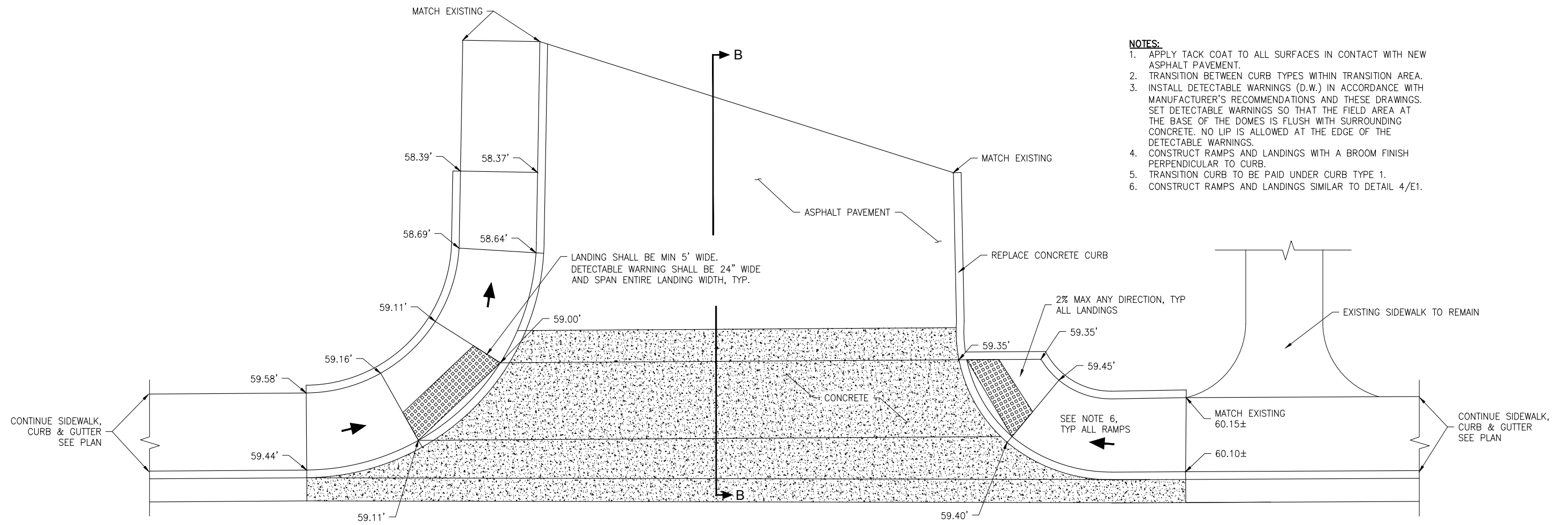


PROJECT: **DILLINGHAM STREETS REHABILITATION**

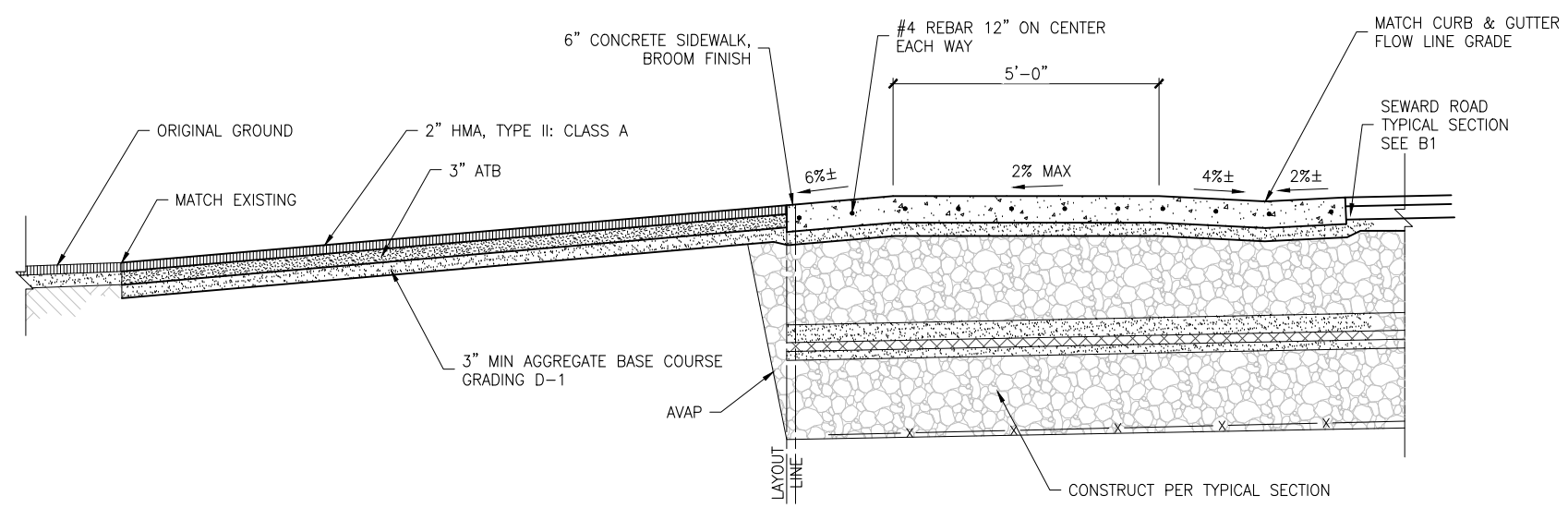
TITLE: **DETAILS**

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **E1** OF E3



**1 SEWARD STREET CONCRETE CURB RAMPS**  
 E2 NTS



**2 SECTION B-B**  
 E2 NTS

**ISSUED FOR BID**  
 6/18/19

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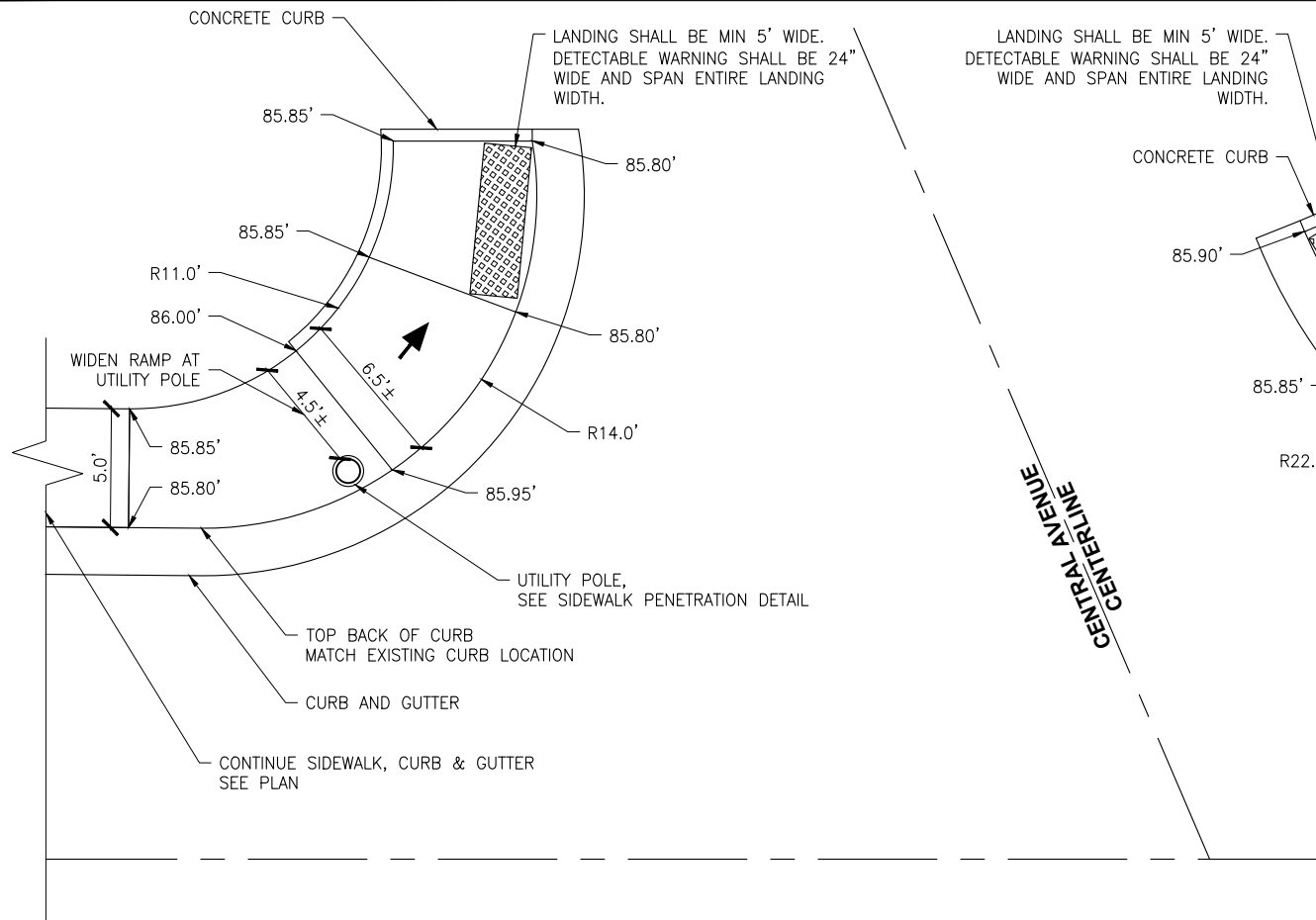


**DILLINGHAM STREETS REHABILITATION**

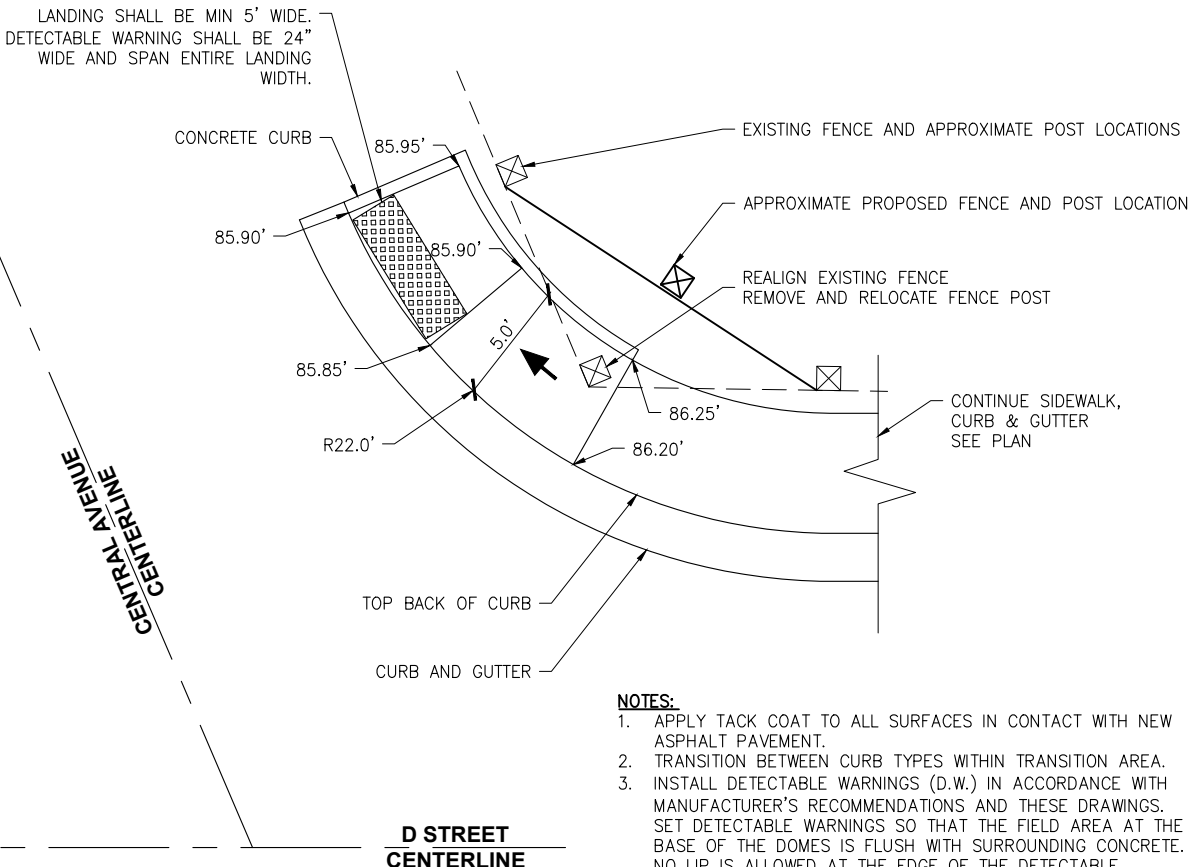
TITLE: **DETAILS**

DESIGNED BY: JG DATE: 6/18/19  
 CHECKED BY: PK PROJECT NO: 181157

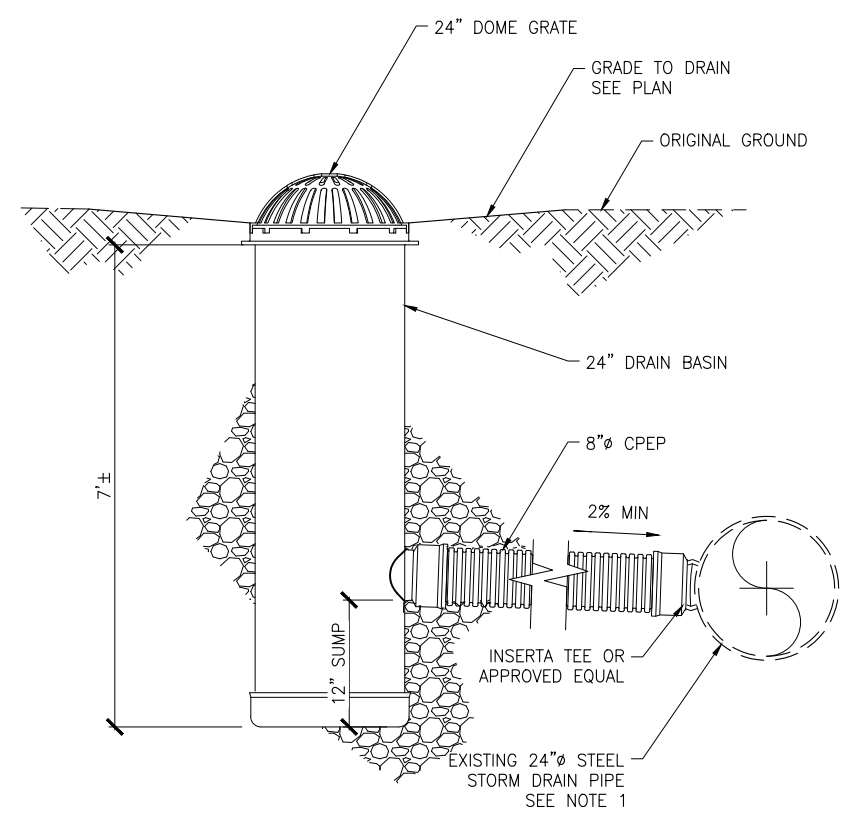
SHEET NO: **E2** OF E3



**1 D STREET CONCRETE CURB RAMPS**  
E3 NTS

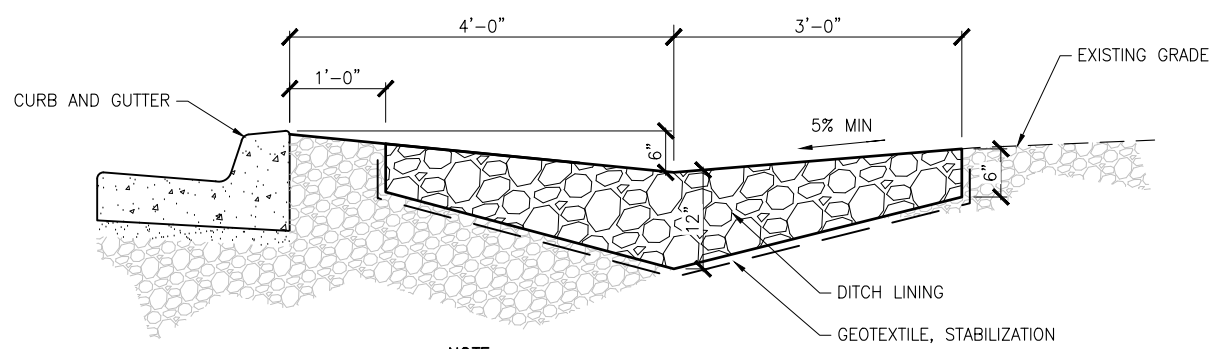


- NOTES:**
1. APPLY TACK COAT TO ALL SURFACES IN CONTACT WITH NEW ASPHALT PAVEMENT.
  2. TRANSITION BETWEEN CURB TYPES WITHIN TRANSITION AREA.
  3. INSTALL DETECTABLE WARNINGS (D.W.) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. SET DETECTABLE WARNINGS SO THAT THE FIELD AREA AT THE BASE OF THE DOMES IS FLUSH WITH SURROUNDING CONCRETE. NO LIP IS ALLOWED AT THE EDGE OF THE DETECTABLE WARNINGS.
  4. CONSTRUCT RAMPS AND LANDINGS WITH A BROOM FINISH PERPENDICULAR TO CURB.
  5. TRANSITION CURB TO BE PAID UNDER CURB TYPE 1.
  6. CONSTRUCT RAMPS AND LANDINGS SIMILAR TO DETAIL 4/E1.

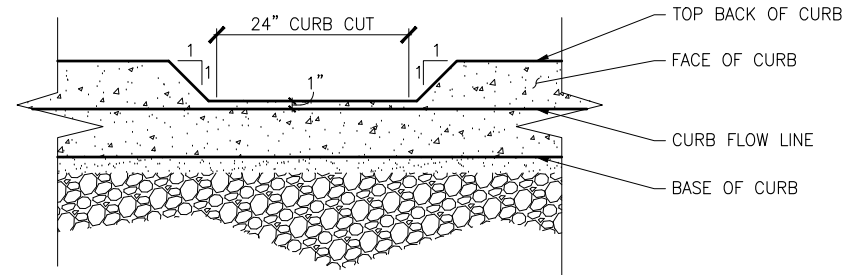


**4 DRAIN BASIN AND CONNECTION TO EXISTING STORM DRAIN PIPE**  
E3 NTS

- NOTE:**
1. CONTRACTOR SHALL FIELD VERIFY EXISTING PIPE DIAMETER, MATERIAL, AND DEPTH TO DETERMINE INVERT ELEVATIONS AND PIPE LENGTHS.



**2 ROCK LINED DITCH**  
E3 NTS



**3 CURB CUT AT ROCK LINED DITCH**  
E3 NTS

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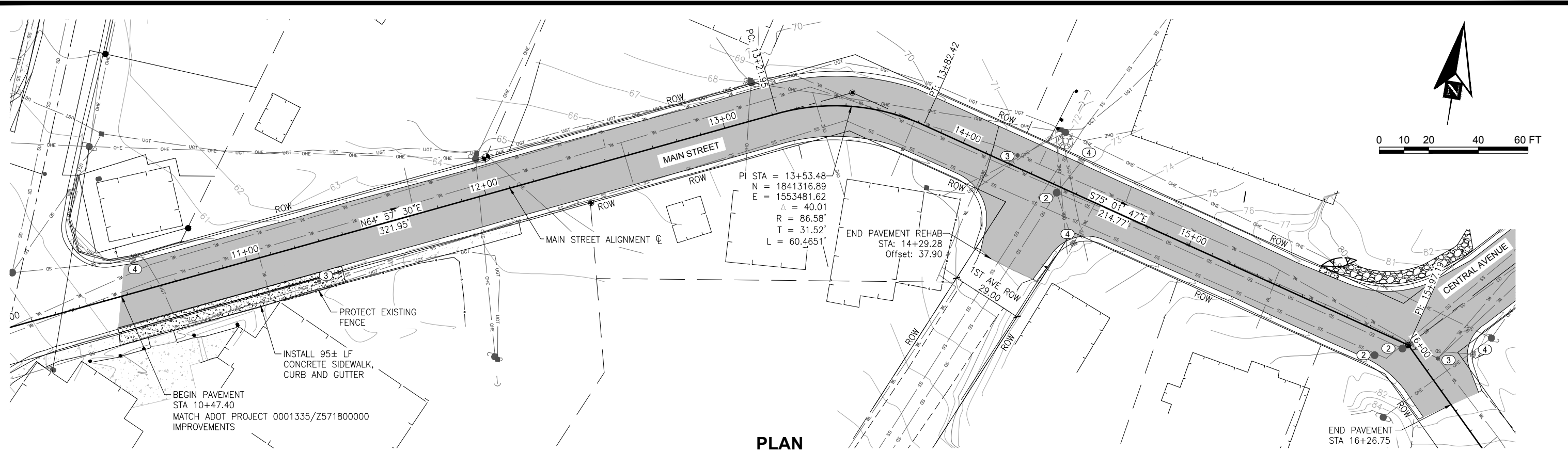


PROJECT: <b>DILLINGHAM STREETS REHABILITATION</b>	
TITLE: <b>DETAILS</b>	
DESIGNED BY: JG	DATE: 6/18/19
CHECKED BY: PK	PROJECT NO: 181157
SHEET NO: <b>E3</b> OF E3	

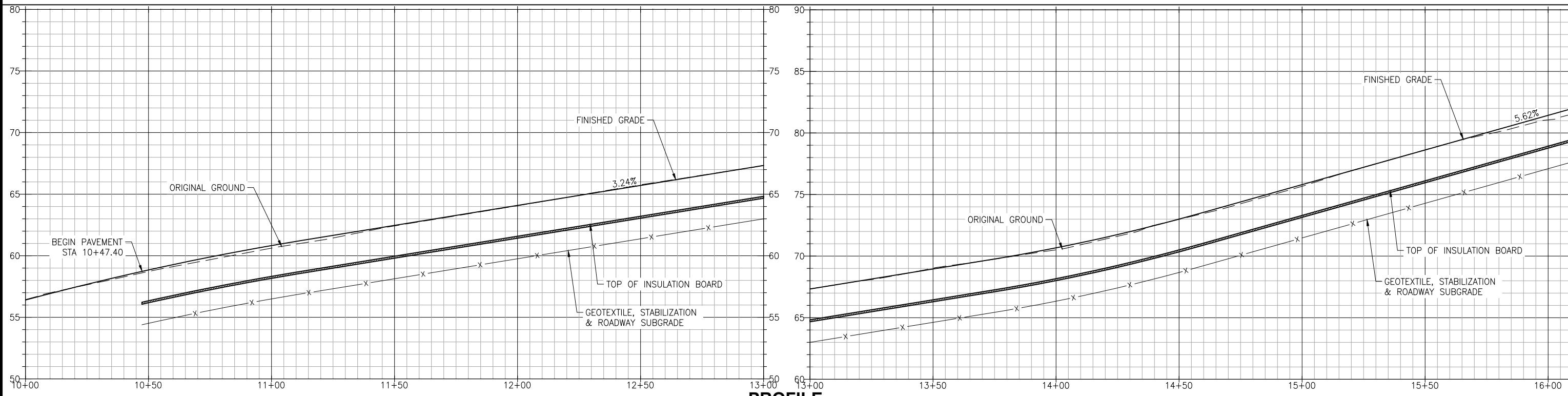
REV	DATE	DESCRIPTION

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





**PLAN**



**PROFILE**

SCALE: 1H:5V

- WORK NOTES:**
- ① REMOVE AND REPLACE CURB RAMP
  - ② ADJUST MANHOLE GRADE RINGS
  - ③ REMOVE AND REPLACE VALVE BOX
  - ④ REMOVE AND RESET FRAME
  - ⑤ PROTECT OR RESTORE SURVEY MONUMENT

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6/18/19

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**DILLINGHAM STREETS REHABILITATION**

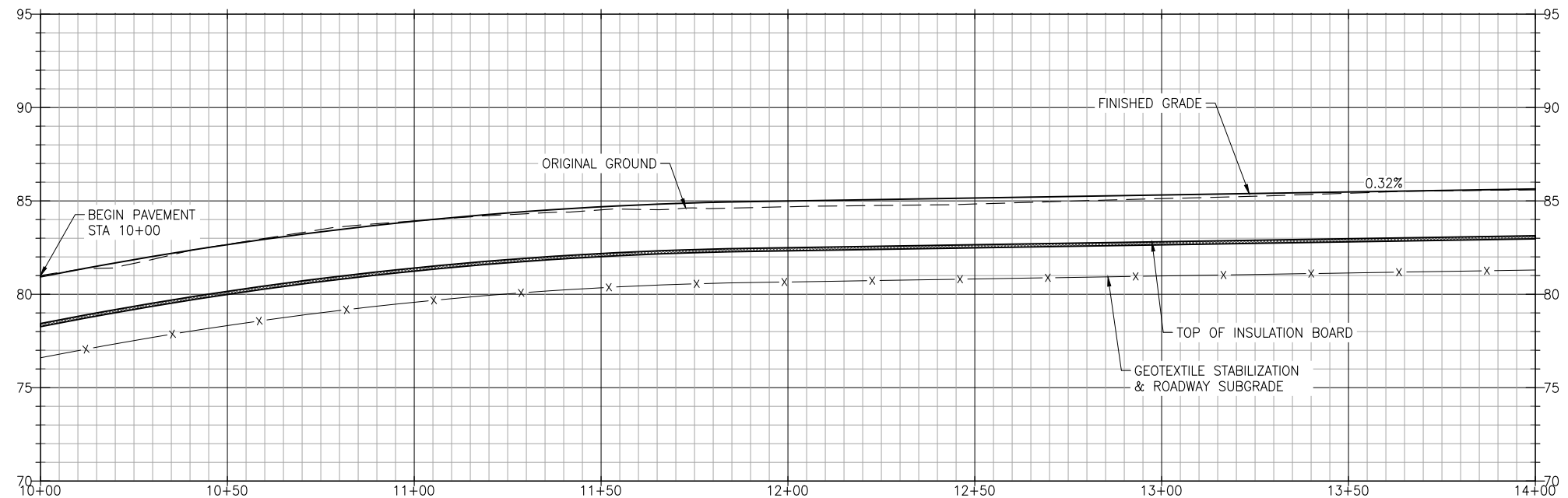
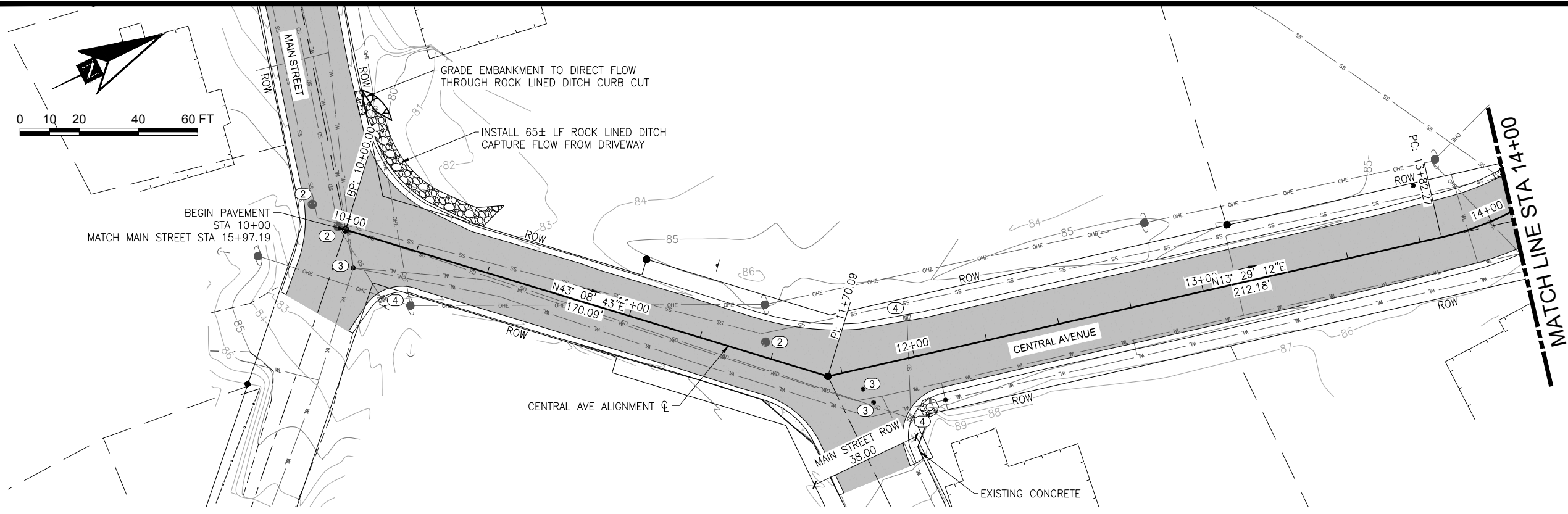
TITLE: **MAIN STREET PLAN AND PROFILE**  
SHEET 1 OF 1

REV	DATE	DESCRIPTION

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

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **F1** OF F7



- WORK NOTES:**
- ① REMOVE AND REPLACE CURB RAMP
  - ② ADJUST MANHOLE GRADE RINGS
  - ③ REMOVE AND REPLACE VALVE BOX
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**ISSUED FOR BID**  
6/18/19

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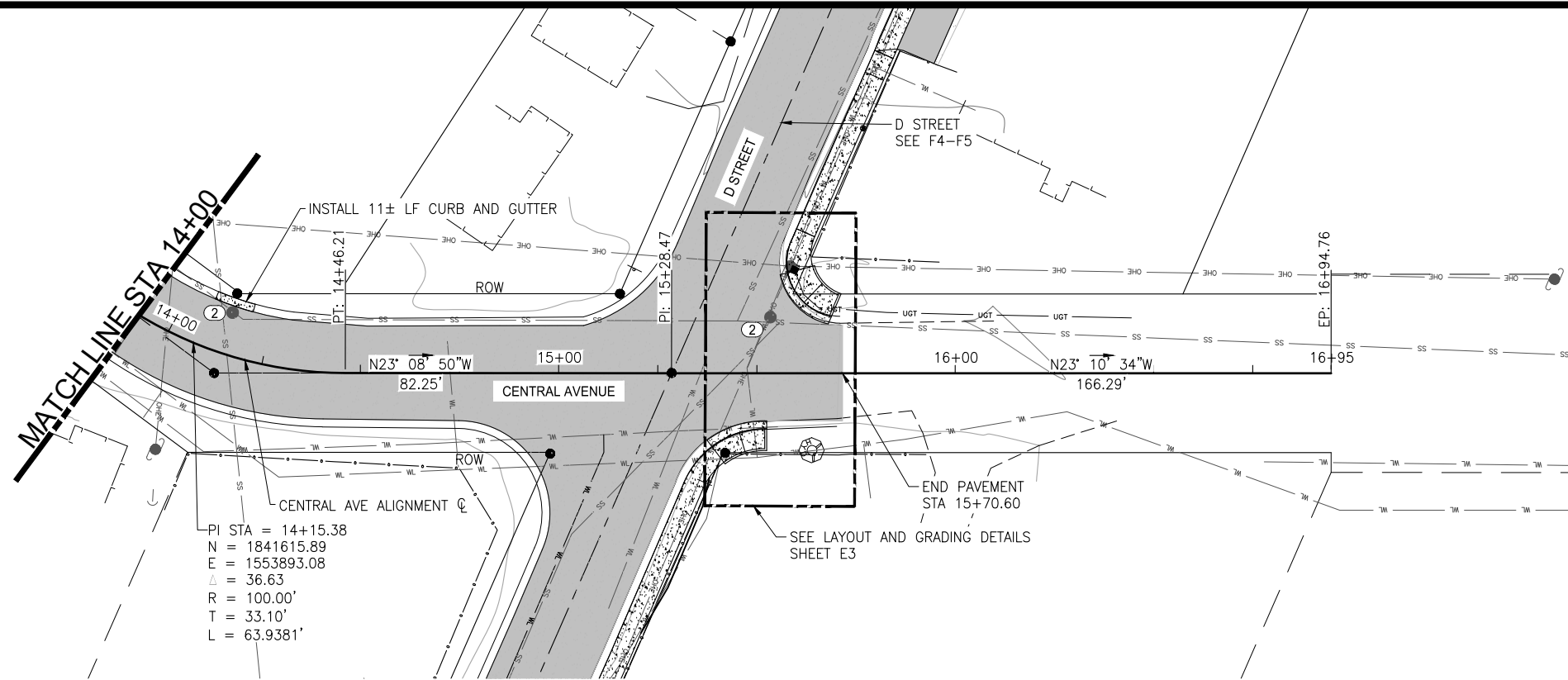
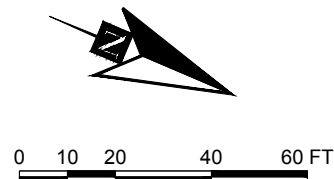
**DILLINGHAM STREETS REHABILITATION**

TITLE: **CENTRAL AVE PLAN AND PROFILE**  
SHEET 1 OF 2

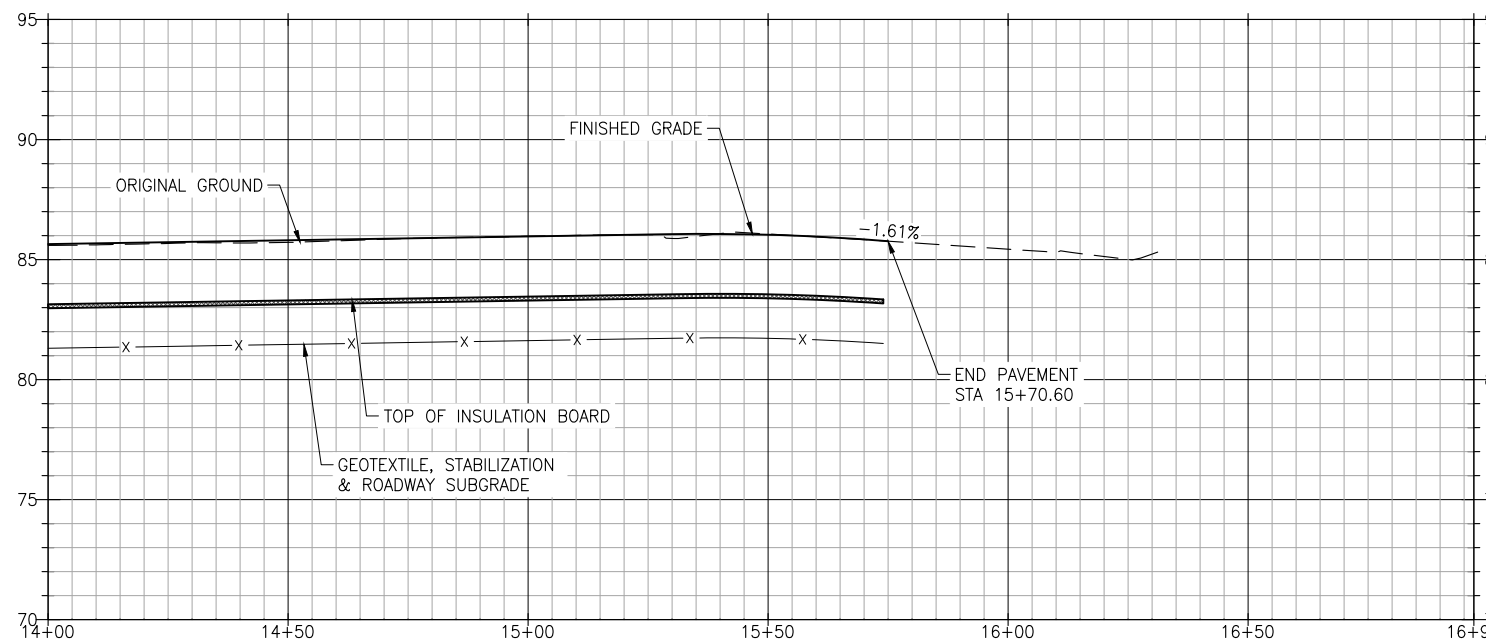
REV	DATE	DESCRIPTION

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

DESIGNED BY: JG	DATE: 6/18/19	SHEET NO: <b>F2</b>
CHECKED BY: PK	PROJECT NO: 181157	OF <b>F7</b>



**PLAN**



**PROFILE**  
SCALE: 1H:5V

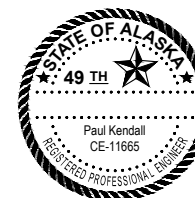
**WORK NOTES:**

- ① REMOVE AND REPLACE CURB RAMP
- ② ADJUST MANHOLE GRADE RINGS
- ③ REMOVE AND REPLACE VALVE BOX
- ④ REMOVE AND RESET FRAME
- ⑤ PROTECT OR RESTORE SURVEY MONUMENT

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REV	DATE	DESCRIPTION



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

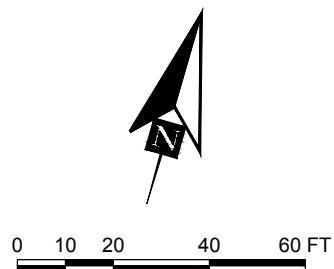
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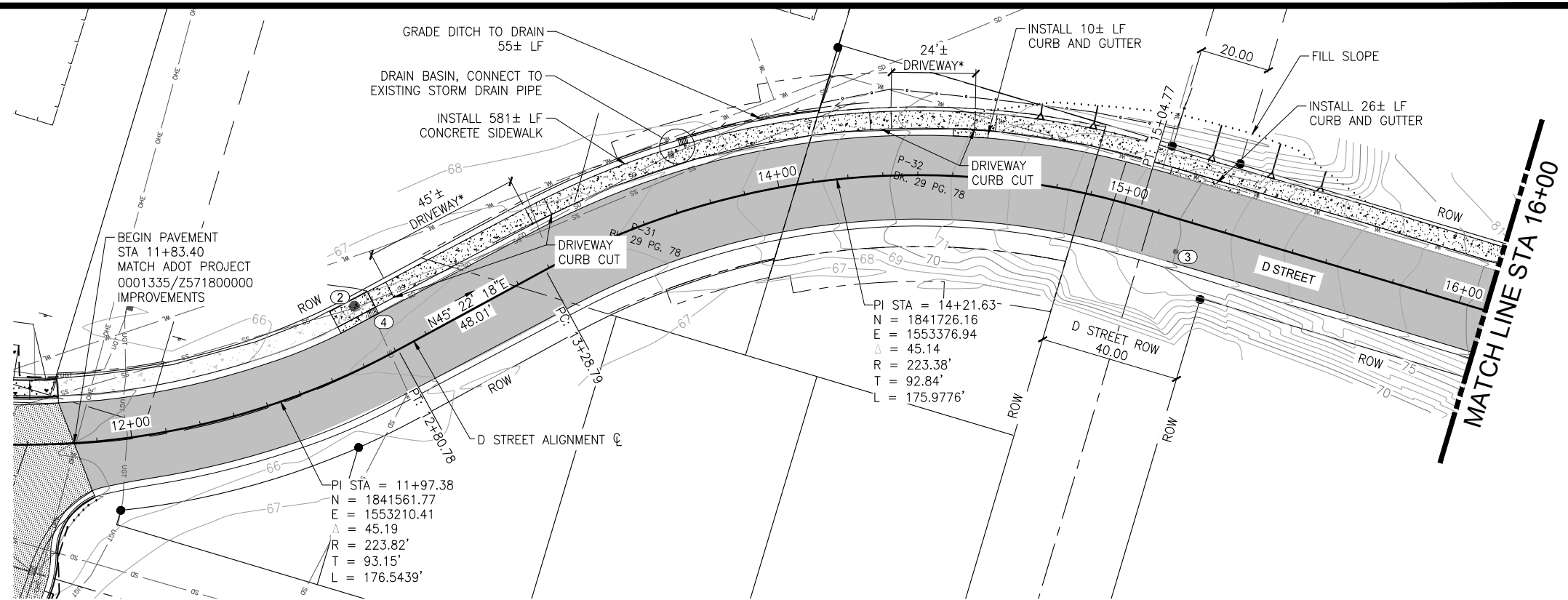
**DILLINGHAM STREETS REHABILITATION**

**CENTRAL AVE PLAN AND PROFILE**  
SHEET 2 OF 2

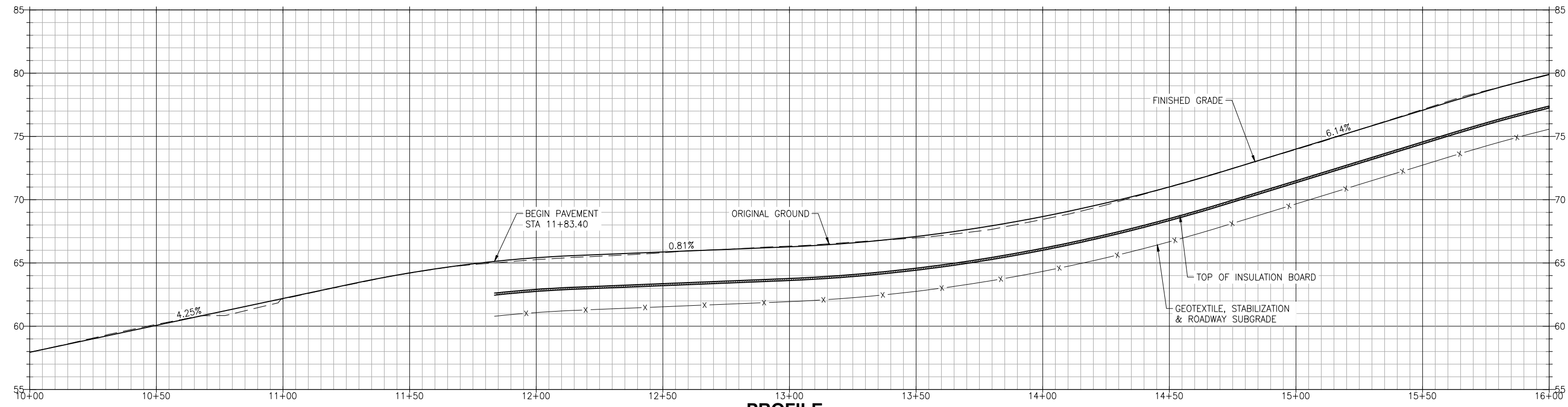
DESIGNED BY: JG	DATE: 6/18/19	SHEET NO: <b>F3</b> OF F7
CHECKED BY: PK	PROJECT NO: 181157	



NOTE:  
\* 6" CONCRETE SIDEWALK AT DRIVEWAY, SEE ADOT STANDARD DRAWING I-20.20



**PLAN**



**PROFILE**  
SCALE: 1H:5V

- WORK NOTES:**
- ① REMOVE AND REPLACE CURB RAMP
  - ② ADJUST MANHOLE GRADE RINGS
  - ③ REMOVE AND REPLACE VALVE BOX
  - ④ REMOVE AND RESET FRAME
  - ⑤ PROTECT OR RESTORE SURVEY MONUMENT

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**DILLINGHAM STREETS REHABILITATION**

TITLE: **D STREET PLAN AND PROFILE**  
SHEET 1 OF 2

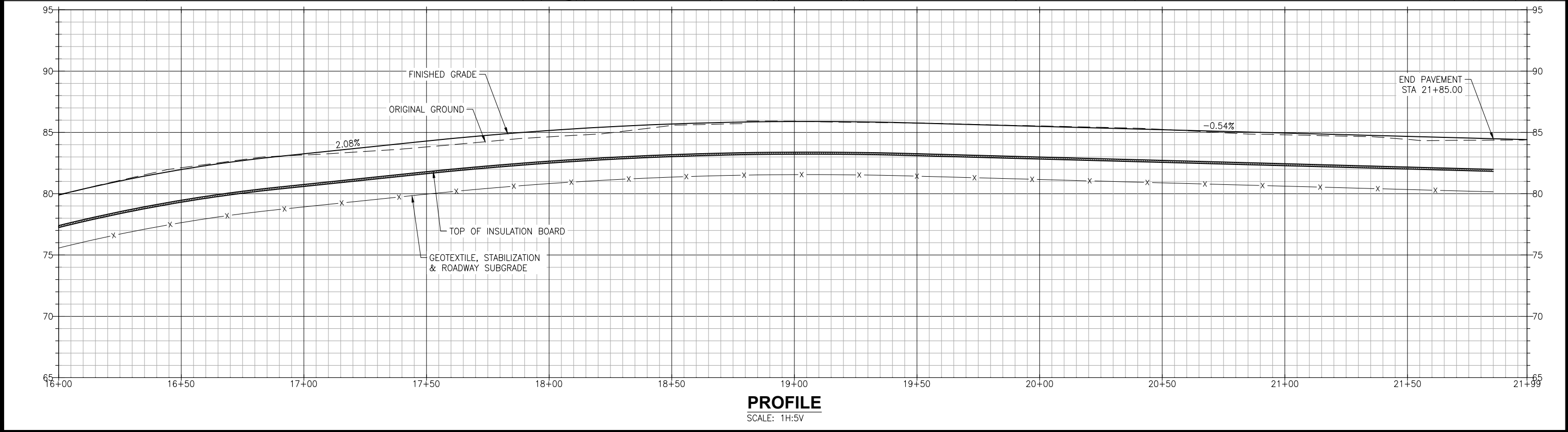
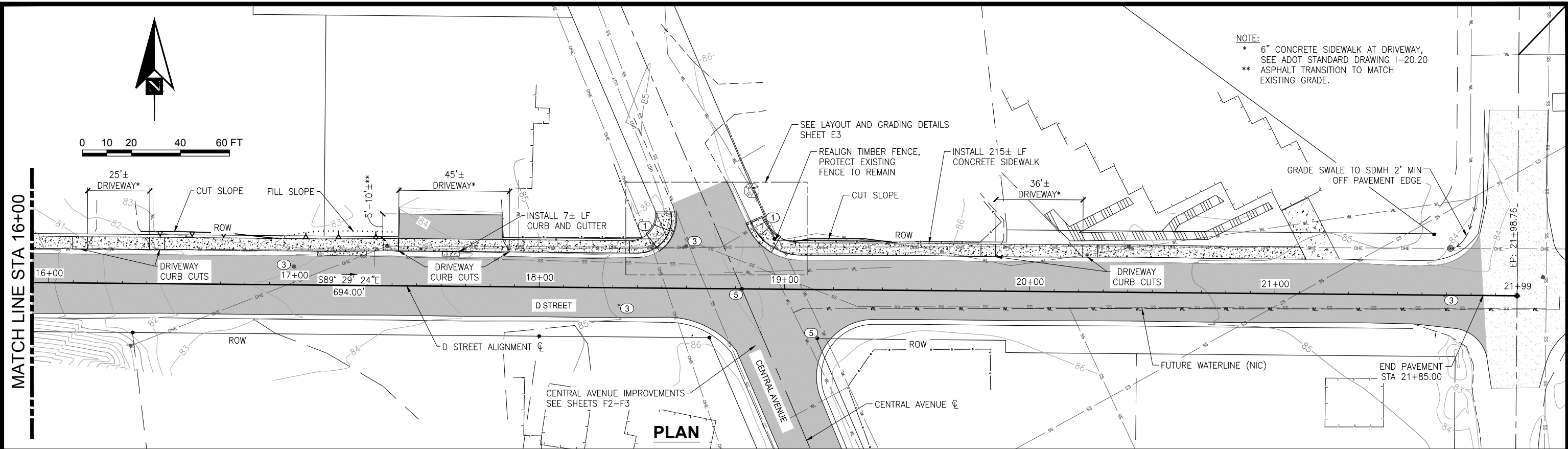
REV	DATE	DESCRIPTION

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

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **F4** OF F7





- WORK NOTES:**
- ① REMOVE AND REPLACE CURB RAMP
  - ② ADJUST MANHOLE GRADE RINGS
  - ③ REMOVE AND REPLACE VALVE BOX
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**DILLINGHAM STREETS REHABILITATION**

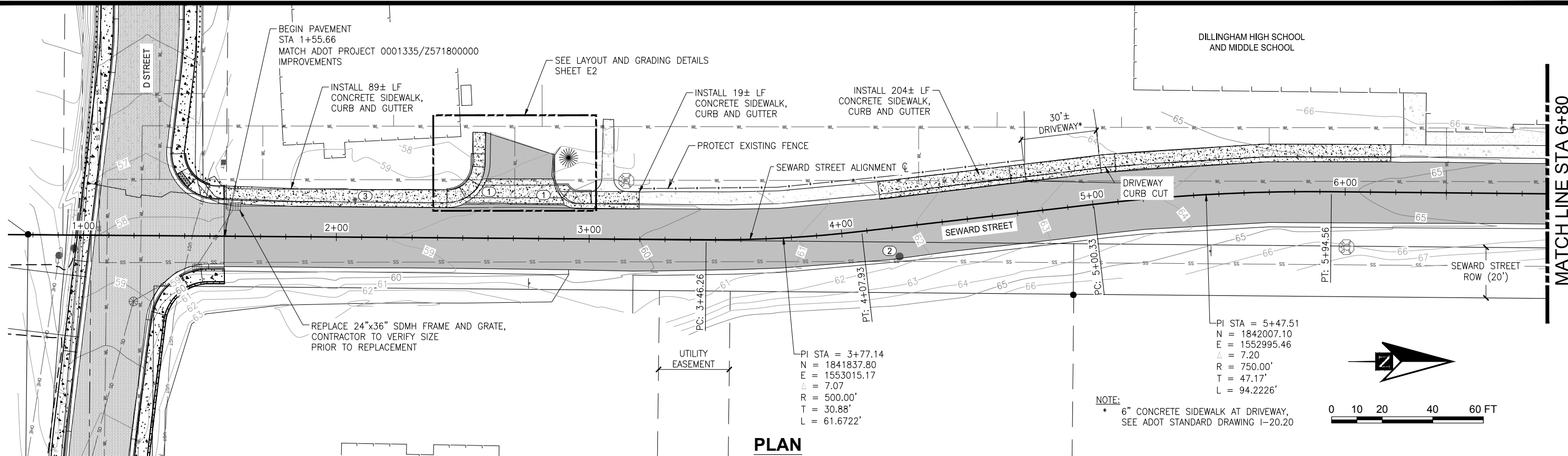
TITLE: **D STREET PLAN AND PROFILE**  
**SHEET 2 OF 2**

DESIGNED BY: JG DATE: 6/18/19  
 CHECKED BY: PK PROJECT NO: 181157

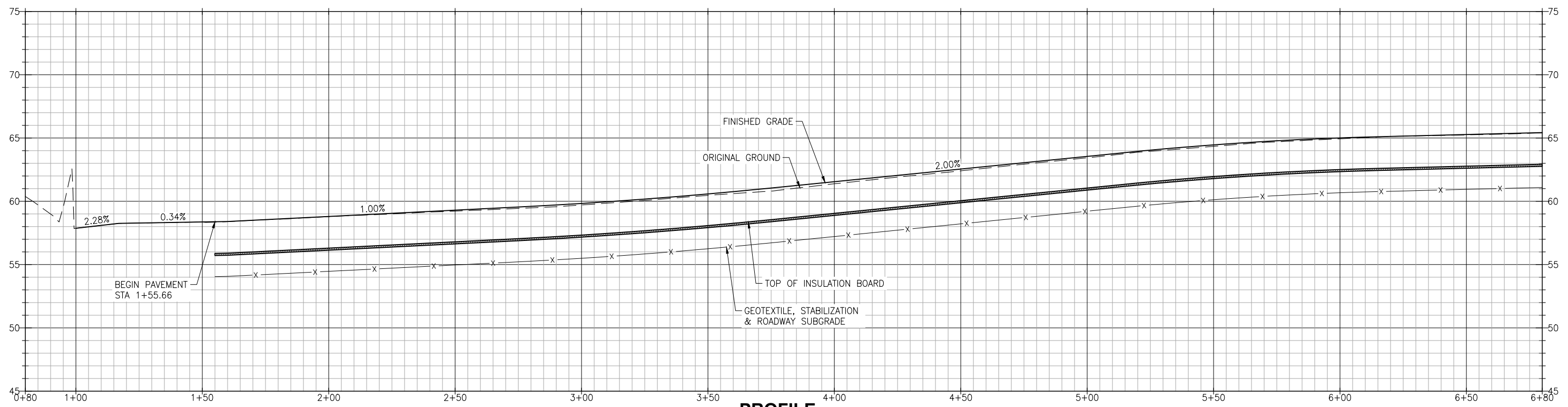
SHEET NO: **F5** OF F7

REV	DATE	DESCRIPTION

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



**PLAN**



**PROFILE**  
SCALE: 1H:5V

- WORK NOTES:**
- ① REMOVE AND REPLACE CURB RAMP
  - ② ADJUST MANHOLE GRADE RINGS
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**DILLINGHAM STREETS REHABILITATION**

TITLE: **SEWARD STREET PLAN AND PROFILE**  
SHEET 1 OF 2

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **F6** OF F7

MATCH LINE STA 6+80

DILLINGHAM HIGH SCHOOL AND MIDDLE SCHOOL

INSTALL 136± LF CONCRETE SIDEWALK, CURB AND GUTTER

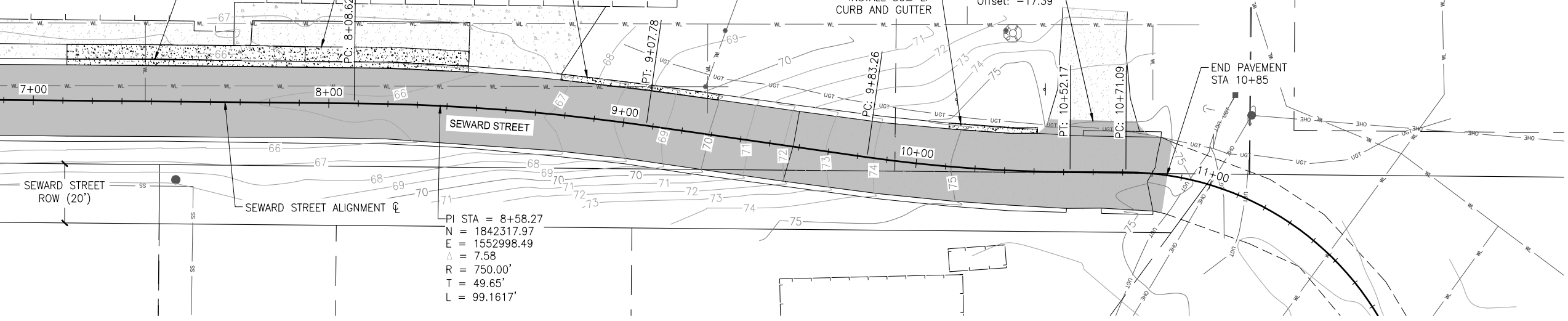
EXISTING ASPHALT, ASPHALT REMOVAL REQUIRED FOR SIDEWALK INSTALL

INSTALL 54± LF CURB AND GUTTER

INSTALL 30± LF CURB AND GUTTER

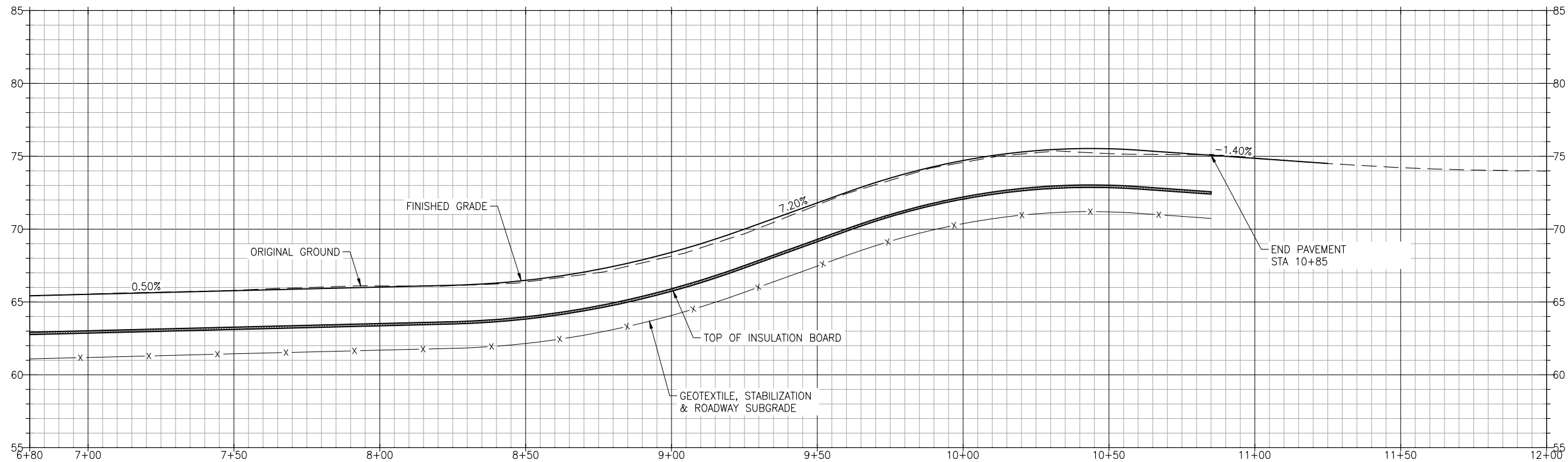
END PAVEMENT REHAB STA 10+59.86 Offset: -17.39

END PAVEMENT STA 10+85



PI STA = 8+58.27  
 N = 1842317.97  
 E = 1552998.49  
 Δ = 7.58  
 R = 750.00'  
 T = 49.65'  
 L = 99.1617'

PLAN



PROFILE

SCALE: 1H:5V

- WORK NOTES:**
- ① REMOVE AND REPLACE CURB RAMP
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  - ③ REMOVE AND REPLACE VALVE BOX
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**DILLINGHAM STREETS REHABILITATION**

SEWARD STREET PLAN AND PROFILE  
 SHEET 2 OF 2

DESIGNED BY:	JG	DATE:	6/18/19
CHECKED BY:	PK	PROJECT NO:	181157

SHEET NO:  
**F7** OF F7

REV	DATE	DESCRIPTION

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



**PAVEMENT MARKING LEGEND**

PROPOSED	PROJECT CENTERLINE
	4" YELLOW SOLID STRIPE
	2' CROSSWALK OR STOPBAR

**SYMBOL LEGEND**

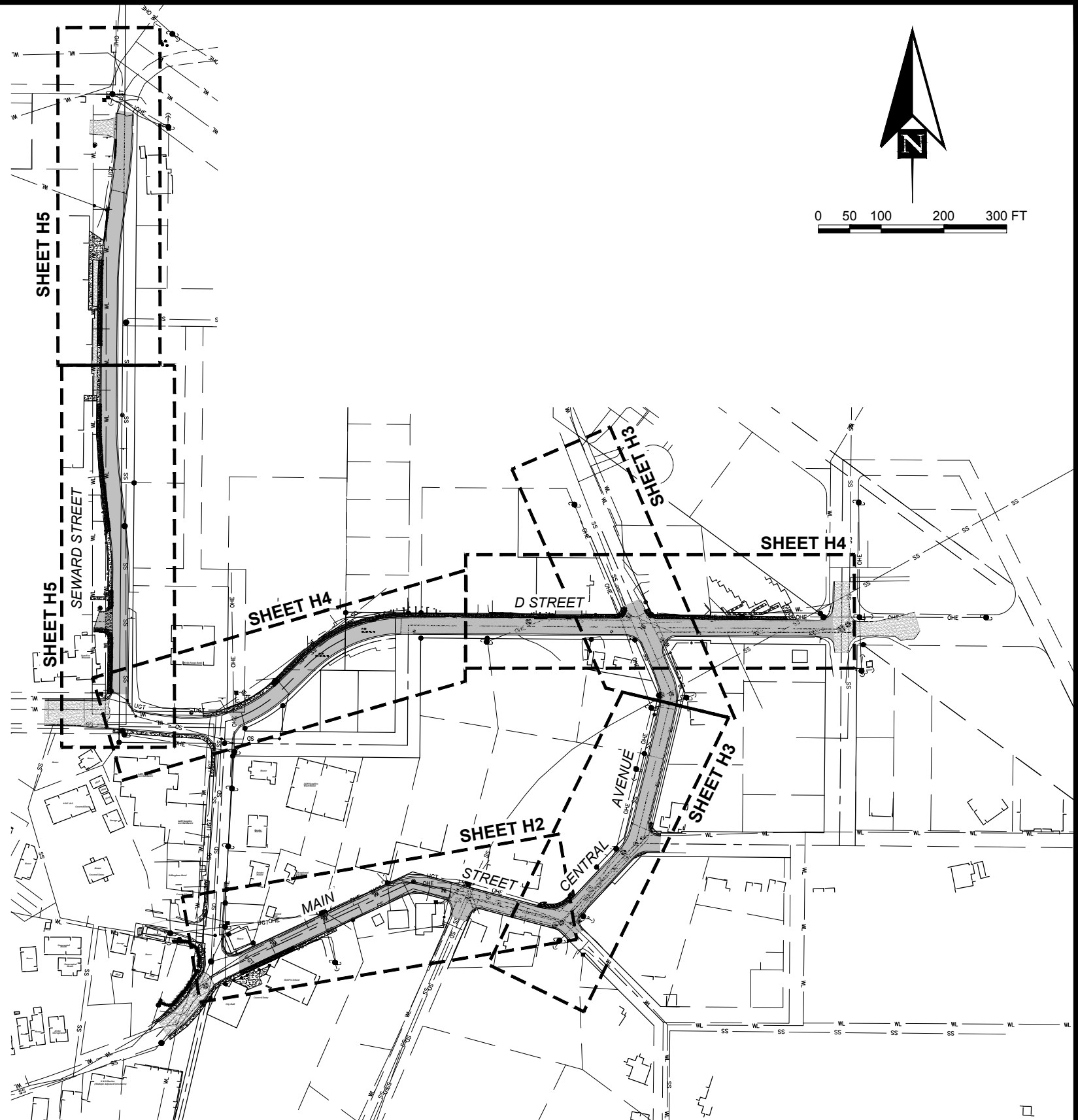
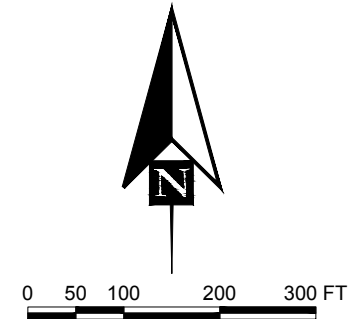
EXISTING	PROPOSED	SIGN POST & NUMBER

**ABBREVIATIONS**

C	-	CENTERLINE
INTX	-	INTERSECTION
NB	-	NORTH BOUND
EB	-	EAST BOUND
SB	-	SOUTH BOUND
WB	-	WEST BOUND

**SIGNAGE & STRIPING NOTES:**

- ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
  - A. PT MEANS A PERFORATED STEEL TUBE.
  - B. TS MEANS A SQUARE STEEL TUBE.
- FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
- FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON STANDARD DRAWING S-30.03. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12 INCHES.
- FOR SQUARE STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON STANDARD DRAWING S-31.01.
- ERECT NEW SIGNS BEFORE REMOVAL OF EXISTING SIGNS WITH SIMILAR MESSAGE. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
- FOR ALL FINAL PAVEMENT MARKINGS USE METHYLMETHACRYLATE MATERIALS. LONGITUDINAL MARKINGS SHALL BE INLAID AT 125 MILS, TRANSVERSE AND SYMBOL MARKINGS TO BE INLAID AT 125 MILS. ALL PAVEMENT MARKINGS SHALL BE INLAID UNLESS OTHERWISE NOTED.
- IF THE NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED AT MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE NEW PAVEMENT.
- REMOVE ALL CONFLICTING STRIPING.
- ALL SIGNS LARGE ENOUGH TO RECEIVE FRAMING SHALL USE MIN. 3" TS FOR POST SIZE OR LARGER AS REQUIRED PER STANDARD DETAILS.



**CALL BEFORE YOU DIG!**

CONTRACTOR SHALL CALL A MINIMUM OF 3 DAYS IN ADVANCE OF CONSTRUCTION

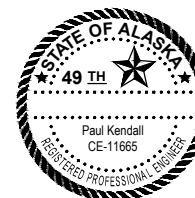
ALASKA DIGLINE...907-278-3121 OR 800-478-3121

CALL OR GO TO [WWW.AKONECALL.COM/STATEWIDE.HTM](http://WWW.AKONECALL.COM/STATEWIDE.HTM) FOR MEMBER LIST OF WHO WILL BE NOTIFIED

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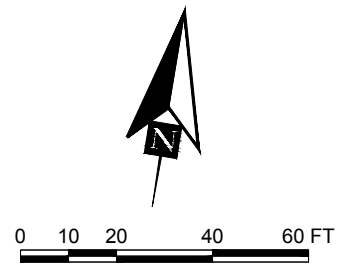
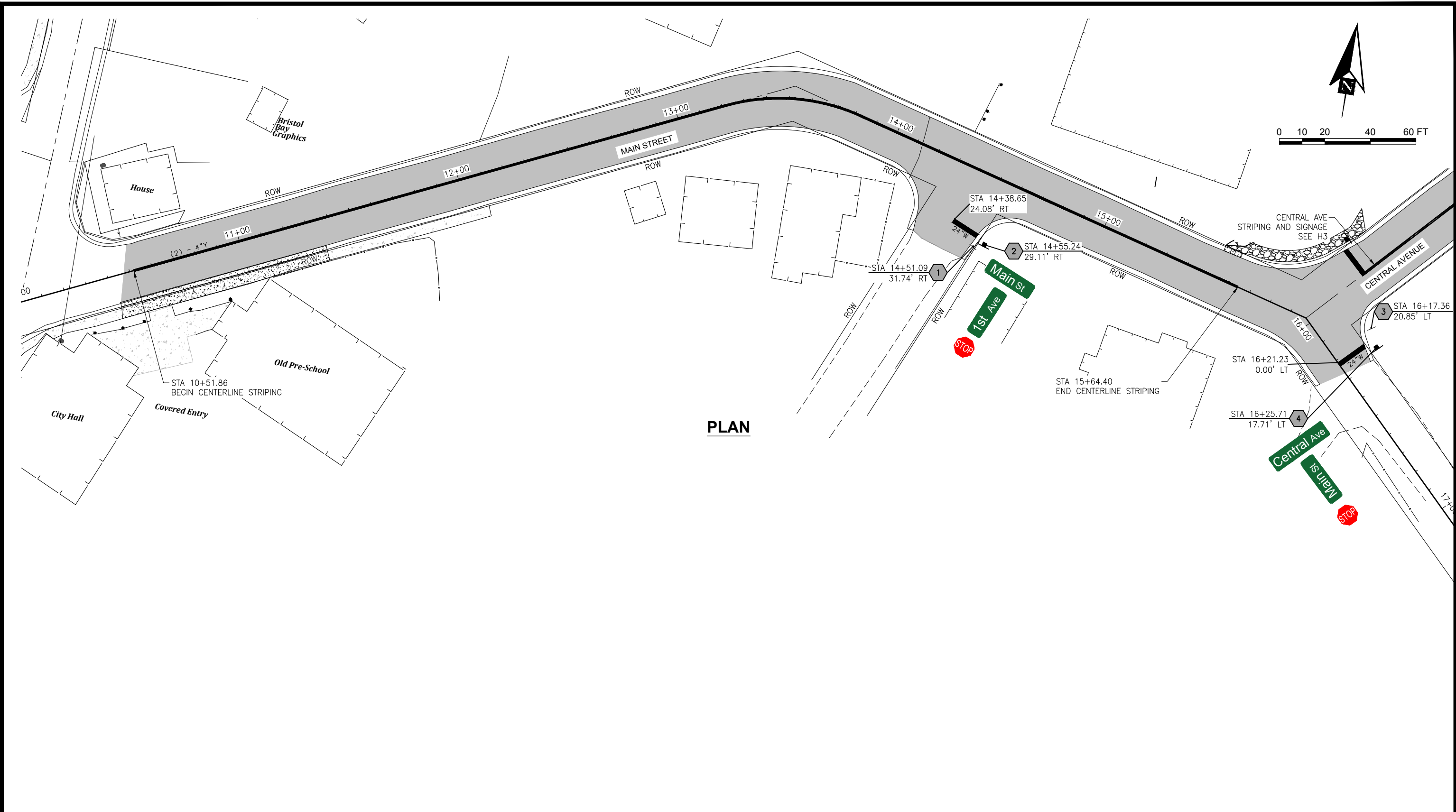


**DILLINGHAM STREETS REHABILITATION**

**SIGNAGE AND STRIPING SHEET LAYOUT AND NOTES**

DESIGNED BY: JG	DATE: 6/18/19	SHEET NO: <b>H1</b> OF H7
CHECKED BY: PK	PROJECT NO: 181157	





**PLAN**

**ISSUED FOR BID**  
6/18/19

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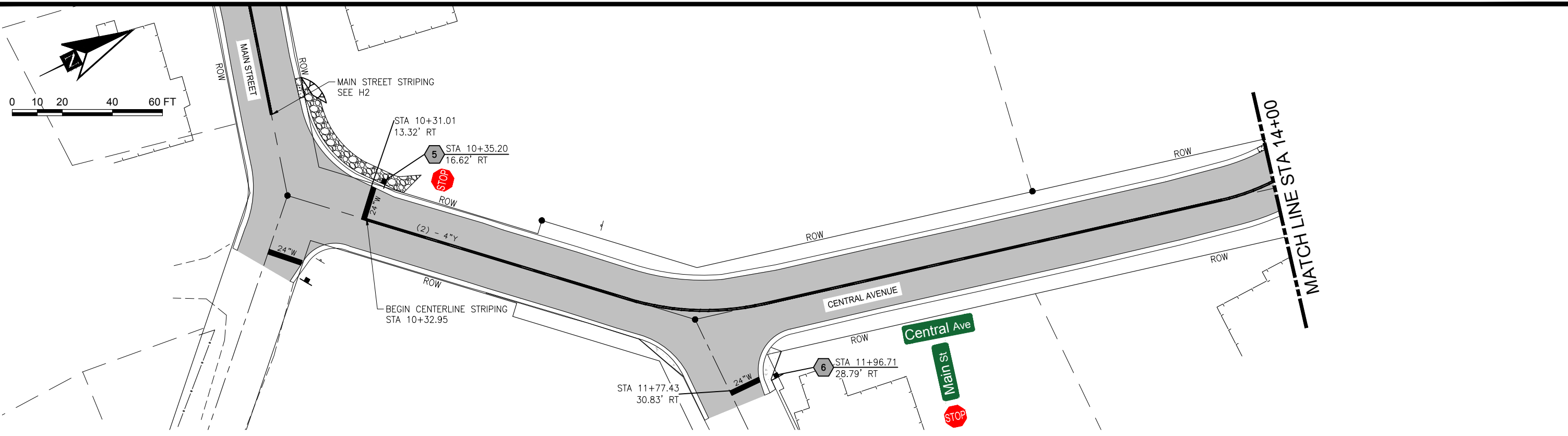
REV	DATE	DESCRIPTION



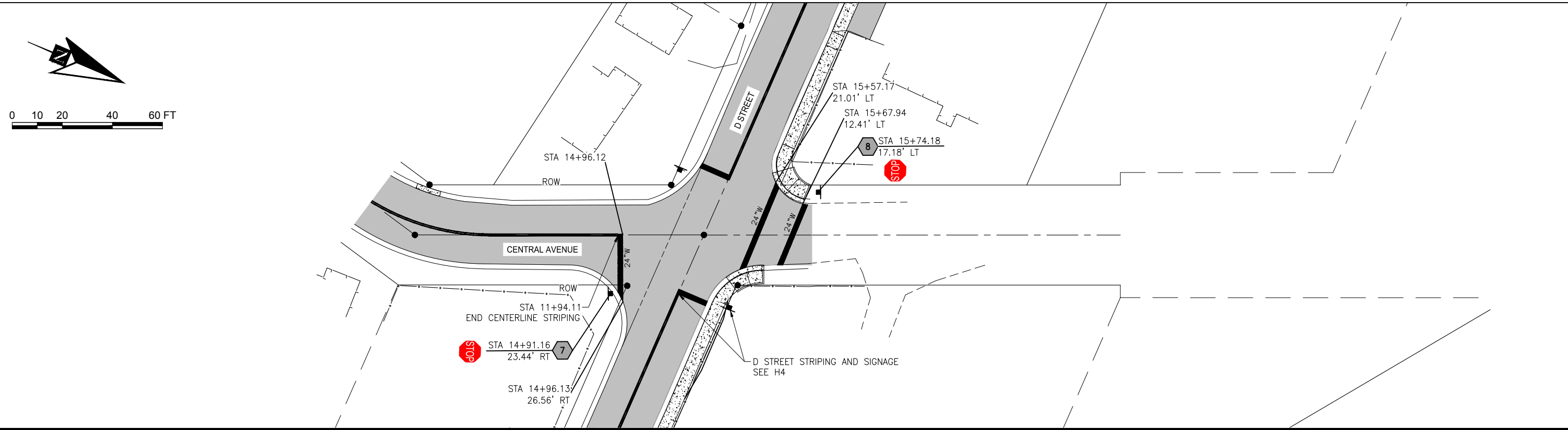
1506 West 36th Avenue  
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AK. LIC# AECC250



<b>DILLINGHAM STREETS REHABILITATION</b>	
TITLE: <b>MAIN STREET SIGNAGE AND STRIPING</b>	
SHEET 1 OF 1	
DESIGNED BY: JG	DATE: 6/18/19
CHECKED BY: PK	PROJECT NO: 181157
SHEET NO: <b>H2</b> OF H7	



**PLAN**



**ISSUED FOR BID  
6/18/19**

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REV	DATE	DESCRIPTION



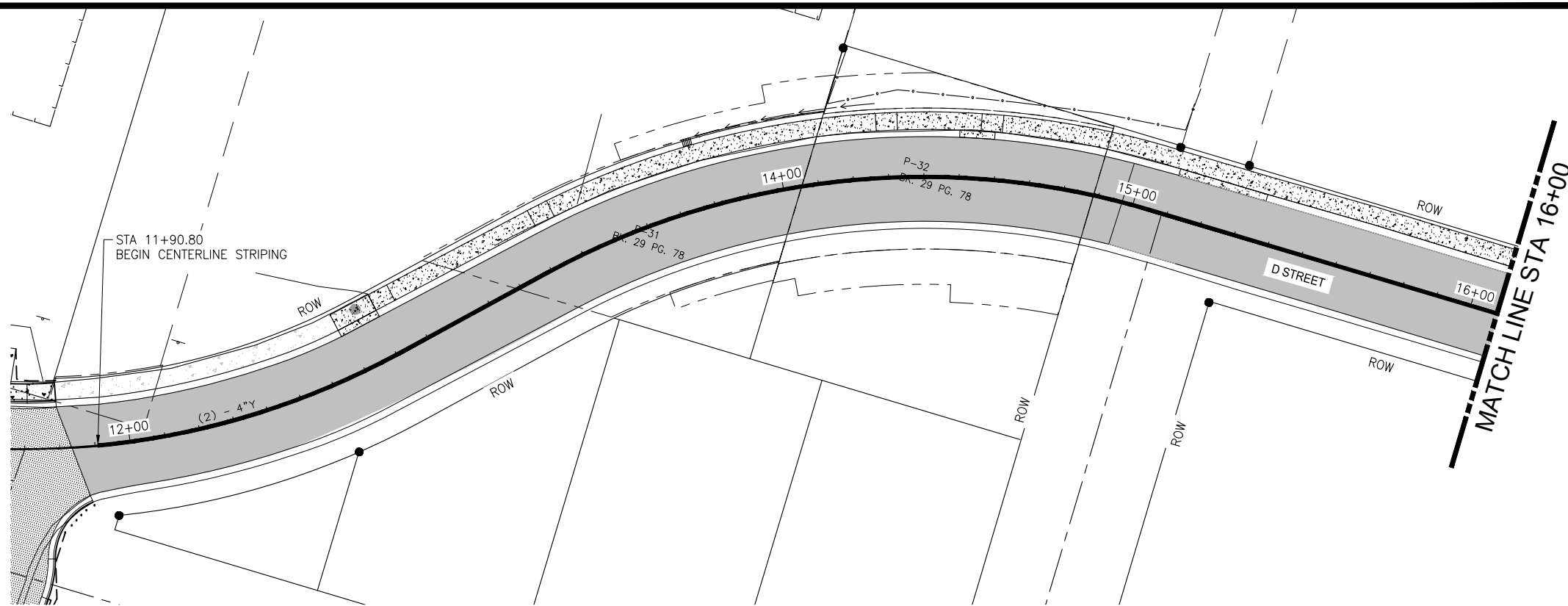
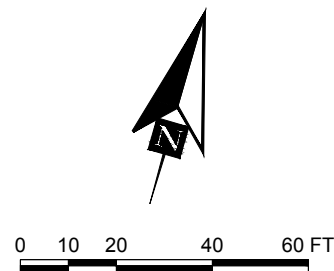
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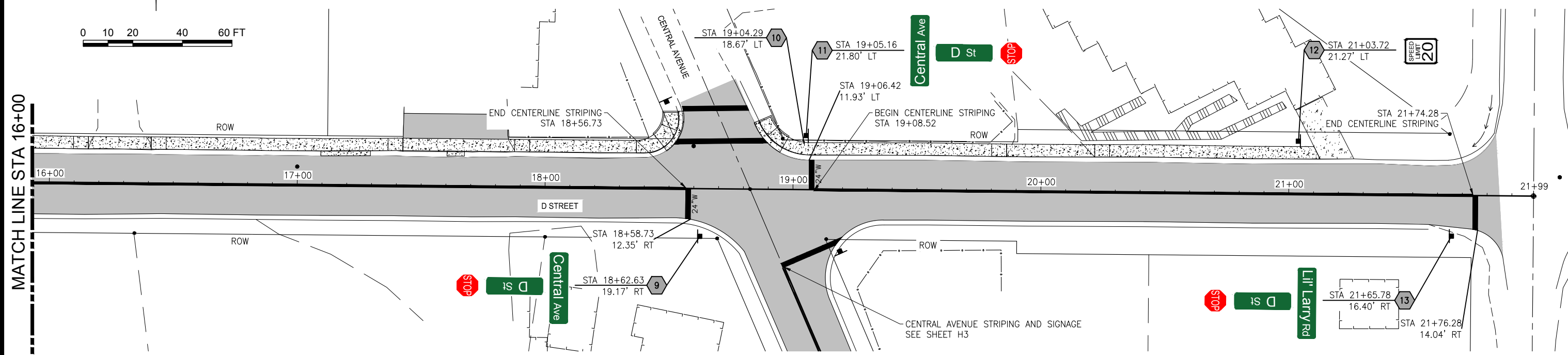
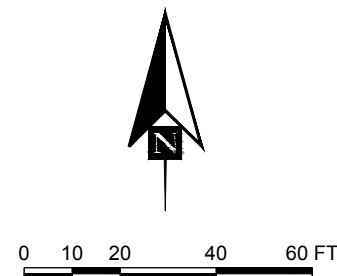
**DILLINGHAM STREETS REHABILITATION**

TITLE: **CENTRAL AVE SIGNAGE AND STRIPING**  
SHEET 1 OF 1

DESIGNED BY: JG	DATE: 6/18/19	SHEET NO: <b>H3</b> OF H7
CHECKED BY: PK	PROJECT NO: 181157	



**PLAN**



**PLAN**

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REV	DATE	DESCRIPTION



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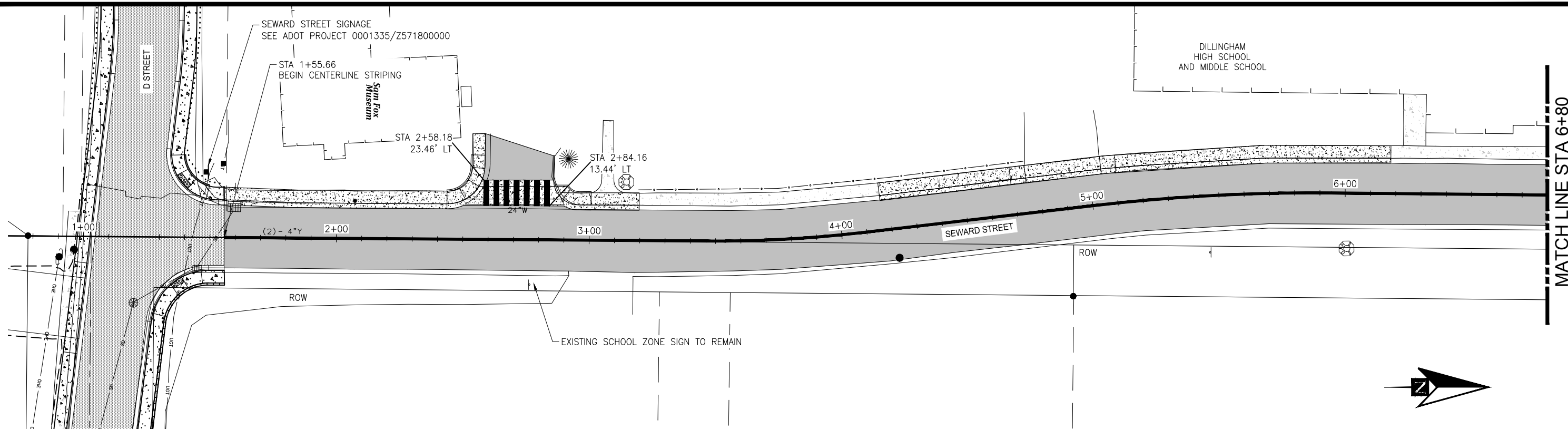


**DILLINGHAM STREETS REHABILITATION**

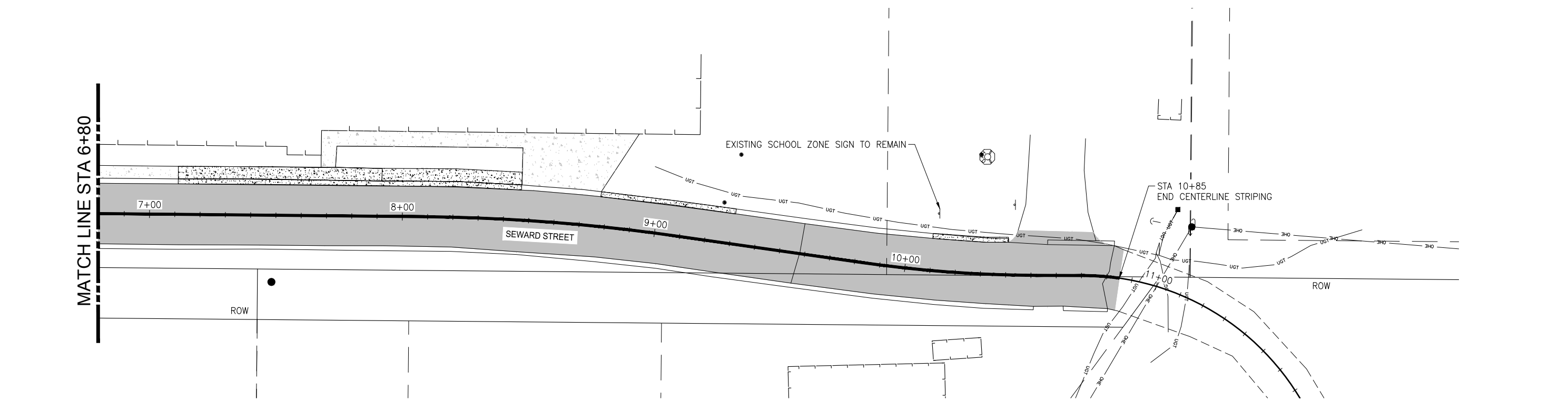
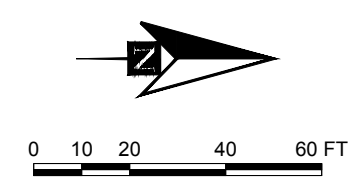
TITLE: **D STREET SIGNAGE AND STRIPING**  
SHEET 1 OF 1

DESIGNED BY: JG DATE: 6/18/19  
CHECKED BY: PK PROJECT NO: 181157

SHEET NO: **H4** OF H7



PLAN



PLAN

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**DILLINGHAM STREETS REHABILITATION**  
TITLE: **SEWARD STREET STRIPING AND SIGNAGE**  
SHEET 1 OF 1

DESIGNED BY: JG	DATE: 6/18/19	SHEET NO: <b>H5</b>
CHECKED BY: PK	PROJECT NO: 181157	OF H7



615(1), 615(6)

SIGN SUMMARY

SHEET	POST NO.	ALIGNMENT	STATION	OFFSET (FT)	TYPE	LEGEND	SIZE (IN)		AREA (S.F.)	DIRECTION SIGN FACES	POST: NO., SIZE & TYPE	THICKNESS (IN.)		SALVAGE SIGN	REMARKS
							WIDTH	HEIGHT				FRAMED			
												YES	NO		
H2	1	MAIN STREET	14+15.09	31.74 RT	R1-1		-	-	-	SW	-	-	-	1	
H2	2	MAIN STREET	14+55.24	29.11 RT	D3-1D		30	8	3.34	NE/SW	1 2.5"X2.5" TS		X		TWO SIGNS FRONT AND BACK
					D3-1D		30	8	3.34	NW/SE			X		TWO SIGNS FRONT AND BACK
					R1-1		30	30	6.25	SW			X		
H2	3	MAIN STREET	16+17.36	20.85 LT	R1-1		-	-	-	SE	-	-	-	1	
H2	4	MAIN STREET	16+25.71	17.71 LT	D3-1D		36	8	3.34	N/S	1 2.5"X2.5" TS		X		TWO SIGNS FRONT AND BACK
					D3-1D		30	8	4.00	NW/SE			X		TWO SIGNS FRONT AND BACK
					R1-1		30	30	6.25	SE			X		
H3	5	CENTRAL AVENUE	10+35.20	16.62 RT	R1-1		30	30	6.25	NE	1 2'5"X2.5" TS		X		
H3	6	CENTRAL AVENUE	11+96.71	28.79 RT	D3-1D		36	8	3.34	E/W	1 2.5"X2.5" TS		X		TWO SIGNS FRONT AND BACK
					D3-1D		30	8	4.00	N/S			X		TWO SIGNS FRONT AND BACK
					R1-1		30	30	6.25	E			X		
H3	7	CENTRAL AVENUE	14+91.16	23.44 RT	R1-1		30	30	6.25	S	1 2'5"X2.5" TS		X		
H3	8	CENTRAL AVENUE	15+74.18	17.18 LT	R1-1		30	30	6.25	E	1 2'5"X2.5" TS		X		
							SUBTOTAL		58.86					2	

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DILLINGHAM STREETS REHABILITATION

SIGNAGE SCHEDULE

DESIGNED BY: JG DATE: 6/18/19 SHEET NO: H6 OF H7  
CHECKED BY: PK PROJECT NO: 181157

REV	DATE	DESCRIPTION

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

615(1), 615(6)

SIGN SUMMARY

SHEET	POST NO.	ALIGNMENT	STATION	OFFSET (FT)	TYPE	LEGEND	SIZE (IN)		AREA (S.F.)	DIRECTION SIGN FACES	POST: NO., SIZE & TYPE	THICKNESS (IN.)		SALVAGE SIGN	REMARKS
							WIDTH	HEIGHT				FRAMED			
												YES	NO		
H4	9	D STREET	18+62.63	19.17 RT	D3-1D		36	8	3.34	E/W	MOUNT ON EXISTING POST		X		TWO SIGNS FRONT AND BACK
					D3-1D		30	8	3.34	N/S			X		TWO SIGNS FRONT AND BACK
					R1-1		30	30	6.25	W			X		
H4	10	D STREET	19+04.29	18.67 LT	R1-1		-	-	-	E	-	-	-	1	
					R2-1		-	-	-	E	-	-	-	1	
H4	11	D STREET	19+05.16	21.80 LT	D3-1D		36	8	3.34	E/W	1 2.5" X 2.5" TS		X		TWO SIGNS FRONT AND BACK
					D3-1D		30	8	4.00	N/S			X		TWO SIGNS FRONT AND BACK
					R1-1		30	30	6.25	E			X		
H4	12	D STREET	21+03.72	21.27 LT	R2-1		24	30	5.00	E	1 2.5" X 2.5" TS				
H4	13	D STREET	21+65.78	16.40 RT	D3-1D		36	8	3.34	E/W	MOUNT ON EXISTING POST		X		TWO SIGNS FRONT AND BACK
					D3-1D		30	8	4.00	N/S			X		TWO SIGNS FRONT AND BACK
					R1-1		30	30	6.25	E			X		
							SUBTOTAL		45.11				2		

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REV	DATE	DESCRIPTION



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

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PROJECT: DILLINGHAM STREETS REHABILITATION

TITLE: SIGNAGE SCHEDULE

DESIGNED BY: JG DATE: 6/18/19 SHEET NO: H7 OF H7  
CHECKED BY: PK PROJECT NO: 181157