



MUNICIPALITY OF ANCHORAGE  
PROJECT MANAGEMENT AND ENGINEERING  
DIVISION

WEST DIMOND BOULEVARD UPGRADE  
PHASE I: WESTPARK DRIVE TO  
SAND LAKE ROAD  
PROJECT #05-05

65% DESIGN  
APRIL 2014

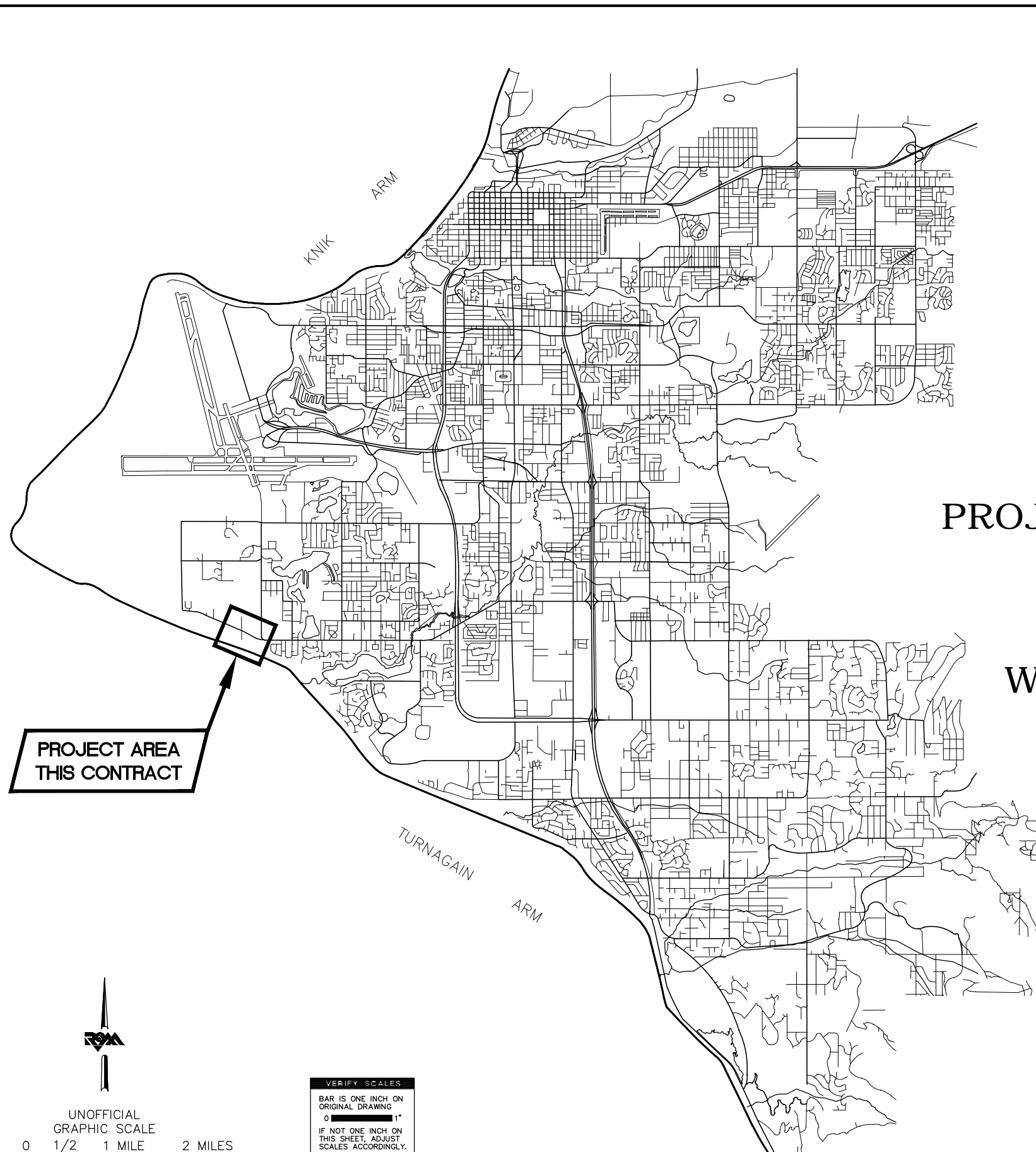
APPROVED BY:

DANIEL A. SULLIVAN  
MAYOR

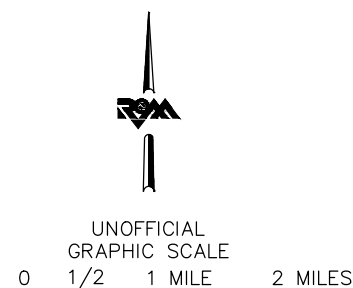
PREPARED BY:



STEPHEN D. SHRADER, P.E.  
ENGINEERING & DESIGN MANAGER



PROJECT AREA  
THIS CONTRACT



VERIFY SCALES  
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON  
THIS SHEET, ADJUST  
SCALES ACCORDINGLY.

**ABBREVIATIONS**

A.D.A.	AMERICANS WITH DISABILITIES ACT OF 1990
ADOT&PF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BOP	BEGINNING OF PROJECT / BOTTOM OF PIPE
BOW	BOTTOM OF WALL
BLVD	BOULEVARD
BM	BENCH MARK
B.V.	BUTTERFLY VALVE
B.V.C.E.	BEGIN VERTICAL CURVE ELEVATION
B.V.C.S.	BEGIN VERTICAL CURVE STATION
C&G	CURB & GUTTER
CC	CURB CUT
CH	CHORD, HORIZONTAL CURVE
CONST.	CONSTRUCT
CPEP	CORRUGATED POLYETHYLENE PIPE
CU	COPPER
DIP	DUCTILE IRON PIPE
DTL	DETAIL
D/W CC	DRIVEWAY CURB CUT
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
EL	ELEVATION, EASEMENT LINE
EST.	ESTIMATED
E..C.E.	END VERTICAL CURVE ELEVATION
E..C.S.	END VERTICAL CURVE STATION
EX	EXISTING
F&I	FURNISH & INSTALL
F.G.	FINISHED GRADE
F.H.	FIRE HYDRANT
F&G	FRAME AND GRATE
E	FLOW LINE
G.V.	GATE VALVE
HDPEP	HIGH DENSITY POLYETHYLENE PIPE
I.A.P.	IN ACCORDANCE WITH
INV.	INVERT
L.C.	LIP OF CURB
LOC	LOCATION
LT	LEFT
M.A.S.S.	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATION, STREETS--DRAINAGE--UTILITIES--PARK, 2009 ASS CURRENTLY AMENDED
MAX.	MAXIMUM
M.E.	MATCH EXISTING
M.H.	MANHOLE
MIN.	MINIMUM
MON	MONUMENT
MMA	METHYLMETHACRYLATE
MSL	MEAN SEA LEVEL
NTS	NOT TO SCALE
NWT	NO WATER TABLE
OOS	OIL & GRIT SEPARATOR
P.C.C.	PORTLAND CEMENT CONCRETE
PCMP	PRECOATED CORRUGATED METAL PIPE
PED.	PEDESTRIAN
P.G.	PROFILE GRADE
P	PROPERTY LINE
P.U.E.	PUBLIC USE EASEMENT
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVE
P.O.R.	POINT OF ROTATION
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.V.C.	POINT OF VERTICAL CURVE
P.V.I.	POINT OF VERTICAL INTERSECTION
P.V.T.	POINT OF VERTICAL TANGENT
R.	RADIUS
R.P.	RADIUS POINT
R&M	R&M CONSULTANTS, INC.
R&R	REMOVE AND REPLACE / RELOCATE / R-SET
R.A.P.	RECYCLED ASPHALT PAVEMENT
R/W	RIGHT-OF-WAY
R.S.	RESILIENT SEAT
RT	RIGHT
SLR	SAND LAKE ROAD
S.E.	SUPER ELEVATION
S.I.	STREET INTERSECTION
S.P.	SPECIAL PROVISION
SS	SANITARY SEWER
STA	STATION
STD. DTL.	M.A.S.S. STANDARD DETAIL
ST	STREET
STR	STRUCTURE
S/W	SIDEWALK
TBC	TOP BACK OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TCP	TEMPORARY CONSTRUCTION PERMIT
T.B.	THRUST BLOCK
TOW	TOP OF WALL
V.B.	VALVE BOX
WDB	WEST DIMOND BOULEVARD
WPD	WESTPARK DRIVE
(30')	DIMENSION FROM RECORD DRAWINGS

**GENERAL NOTES**

**OVERVIEW**

- CONTRACTOR SHALL COMPLETE CONSTRUCTION IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, STREETS--DRAINAGE--UTILITIES--PARKS, DATED 2009 HEREAFTER REFERRED TO AS M.A.S.S., AS CURRENTLY AMENDED BY THE SPECIAL PROVISIONS.
- STATIONING IS R.O.W. CENTERLINE, UNLESS OTHERWISE NOTED. DIMENSIONS AND ELEVATIONS ARE TO TOP BACK OF CURB (TBC), UNLESS NOTED OTHERWISE.
- ALL CONSTRUCTION OPERATIONS REQUIRED FOR THIS PROJECT SHALL REMAIN WITHIN EXISTING M.O.A. AND ADOT&PF RIGHTS--OF--WAY AND EASEMENTS, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEER AND THE AFFECTED PROPERTY OWNER.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED AT THE JOB SITE.
- CONTRACTOR SHALL MAINTAIN "REDLINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS IN ACCORDANCE WITH M.A.S.S. DIVISION 65.00 CONSTRUCTION SPECIFICATIONS FOR CONSTRUCTION SURVEY. CONTRACTOR SHALL MAINTAIN "REDLINES" CURRENT ON A DAILY BASIS AND SHALL MAKE AVAILABLE TO THE ENGINEER FOR INSPECTION ON THE JOBSITE. CONTRACTOR SHALL RECORD SURVEY NOTES AND SUBMIT DAILY TO THE ENGINEER.
- CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH AS-BUILT PLANS, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD. CONTRACTOR SHALL RECORD ALL DEVIATIONS FROM THE PLANS.

**EXISTING UTILITIES**

- LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM AS-BUILT DRAWINGS AND SOME FROM UTILITY COMPANY LOCATES, AND THEREFORE MAY NOT BE VISIBLE. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES AND PERFORMING ANY NECESSARY VERIFICATION PRIOR TO CONSTRUCTION.
- UTILITY RELOCATES SHALL BE DONE BY OTHERS, UNLESS OTHERWISE NOTED.
- SHORING OF UTILITY POLES IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE.
- (UNDERGROUND) OVERHEAD ELECTRICAL AND TELECOMMUNICATION LINES (AND POLES) OCCUR WITHIN THE PROJECT AREA; CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING (OVERHEAD) UNDERGROUND LINES (AND POLES) SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY. HAND DIGGING IS REQUIRED WITHIN TWO FEET OF BURIED ELECTRICAL CABLE. SOME UTILITIES HAVE BEEN LOCATED FROM AS-BUILT DRAWINGS AND MAY NOT BE VISIBLE.

**DEMOLITION**

- CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT (ROADS, PARKING AREAS, DRIVEWAYS, ETC.) TO A LINE TWO (2) FEET BEYOND THE PROPOSED IMPROVEMENTS, AND MORE IF NECESSARY, DURING THE INITIAL EXCAVATION OPERATIONS. IF EXISTING PAVEMENT HAS BEEN LIFTED, IF EDGE DOES NOT OCCUR IN UNDISTURBED MATERIAL, OF IF EDGE IS LOCATED WITHIN A TRAVEL LANE, FURTHER REMOVAL MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, TO PROVIDE A PROPER TRANSITION BETWEEN NEW AND EXISTING PAVEMENT. SAW CUTTING OF EXISTING PAVEMENT IS INCIDENTAL TO THE BID ITEM "REMOVE AND REPLACE EXISTING ASPHALT SURFACING CLASS ..." AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL APPLY TACK COAT TO THE SAW CUT ASPHALT FACE PRIOR TO PAVING.
- CONTRACTOR SHALL SAW CUT CURB & GUTTER AND SIDEWALK AT THE NEAREST JOINT AT OR BEYOND REMOVAL LIMITS OR AS DIRECTED BY THE ENGINEER. SAWCUTTING IS INCIDENTAL TO THE RESPECTIVE BID ITEM.
- PROPOSED CURB RAMP LAYOUTS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD BEFORE CUTTING CONCRETE OR ASPHALT.
- CONTRACTOR SHALL MAINTAIN STOP SIGNS IN THE PROJECT AREA OPERATIONAL DURING CONSTRUCTION.

**EXCAVATION**

- LOCATION OF EXCAVATION AND BACKFILL ARE SHOWN ON THE DRAWINGS, OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL REMOVE ORGANIC MATERIAL FROM THE SUBGRADE TO A DEPTH TO BE DETERMINED BY THE ENGINEER. CONTRACTOR SHALL PLACE NO OR SHALL NOT OTHERWISE UTILIZE ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL FOR BACKFILL, UNLESS SO DIRECTED BY THE ENGINEER.
- CONTRACTOR MAY NOT PUMP OR OTHERWISE DIVERT WATER RESULTING FROM CONTRACTOR'S DEWATERING EFFORT INTO EXISTING STORM DRAINS UNLESS REQUIRED PERMITS, INCLUDING, BUT NOT LIMITED TO THE ALASKA DEPART. OF ENVIRONMENTAL CONSERVATION (A.D.E.C.), ARE OBTAINED BY CONTRACTOR. UNDER NO CIRCUMSTANCES IS THE CONTRACTOR ALLOWED TO DIVERT WATER FROM THE EXCAVATION ONTO THE ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND IS RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS. CONTRACTOR SHALL PROVIDE COPIES OF PERMITS AND APPROVALS TO THE MOA ROW PERMIT OFFICE.
- SEE R&M REPORT "GEOTECHNICAL INVESTIGATION", DATED FEBRUARY 2007, FOR COMPLETE BOREHOLE LOG INFORMATION..

**STORM DRAIN**

- F & I INSULATION BOARD (R-20), WHEN CLEARANCE BETWEEN THE STORM DRAIN IMPROVEMENTS AND THE WATER & SANITARY SEWER UTILITIES, IS LESS THAN THREE (3) FEET, FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE; ALLOW NO SEPARATION BETWEEN STORM DRAIN AND WATER LINES LESS THAN 18". INSTALL INSULATION I.A.W. M.A.S.S. STD. DTL. 20-9.
- MANHOLES SHALL HAVE A MINIMUM OF 1 EA. 6" GRADE RING.

**CLEANUP AND TOPSOIL**

- CONTRACTOR SHALL RESTORE ALL PAINTED TRAFFIC MARKINGS (CROSSWALKS, CURB & GUTTERS ETC.) TO PRECONSTRUCTION CONDITIONS. PAYMENT FOR RESTORING TRAFFIC MARKINGS IS INCIDENTAL TO THE BID ITEM "REMOVE AND REPLACE EXISTING PAVEMENT", AND NO SEPARATE PAYMENT SHALL BE MADE.
- WORK AND MATERIALS REQUIRED FOR REMOVING LITTER OR DEBRIS THAT EXISTS WITHIN THE PROJECT LIMITS IS INCIDENTAL TO THE BID ITEM "CLEARING AND GRUBBING" (OR INCIDENTAL TO THE PROJECT), AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRECONSTRUCTION CONDITION(S), UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR RESTORING DISTURBED PROPERTY IS INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT SHALL BE MADE, UNLESS SPECIFIC BID ITEMS ARE PROVIDED.
- TOPSOIL AND SEED ALL AREAS DISTURBED AND NOT OTHERWISE IMPROVED.

**DRAWING INDEX**

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3	KEY MAP AND LEGEND
4	SURVEY CONTROL SHEET
5	SURVEY CONTROL SHEET
6	SURVEY CONTROL SHEET
7	SURVEY CONTROL SHEET
8	SURVEY CONTROL SHEET
9	RIGHT-OF-WAY MAPS
10	RIGHT-OF-WAY MAPS
11	RIGHT-OF-WAY MAPS
12	RIGHT-OF-WAY MAPS
13	RIGHT-OF-WAY MAPS
14	RIGHT-OF-WAY MAPS
DEMOLITION PLAN	
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16	WEST DIMOND BLVD -- STA 81+50 TO STA 86+50
17	WEST DIMOND BLVD -- STA 86+50 TO STA 91+50
18	WEST DIMOND BLVD -- STA 91+50 TO STA 96+50
19	WEST DIMOND BLVD -- STA 96+50 TO STA 101+50
20	WEST DIMOND BLVD -- STA 101+50 TO EOP
21	WESTPARK DRIVE -- STA 206+00 TO STA 209+50
22	WESTPARK DRIVE -- STA 209+50 TO STA 213+50
23	SAND LAKE ROAD -- STA 307+40 TO STA 309+00
24	SAND LAKE ROAD -- STA 311+00 TO STA 316+00
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26	TYPICAL SECTIONS
27	TYPICAL SECTIONS
28	TYPICAL SECTIONS
29	TYPICAL SECTIONS
30	TYPICAL SECTIONS
31	TYPICAL SECTIONS
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32	WEST DIMOND BLVD -- BOP TO STA 81+50
33	WEST DIMOND BLVD -- STA 81+50 TO STA 86+50
34	WEST DIMOND BLVD -- STA 86+50 TO STA 91+50
35	WEST DIMOND BLVD -- STA 91+50 TO STA 96+50
36	WEST DIMOND BLVD -- STA 96+50 TO STA 101+50
37	WEST DIMOND BLVD -- STA 101+50 TO EOP
38	WESTPARK DRIVE -- STA 206+00 TO 209+50
39	WESTPARK DRIVE -- STA 209+50 TO 213+50
40	SAND LAKE ROAD -- STA 307+40 TO 311+50
41	SAND LAKE ROAD -- STA 311+50 TO 316+00

**DRAWING INDEX**

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ROUNDBOULT GRADING	
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43	WESTPARK ROUNDBOULT GRADING
44	WESTPARK ROUNDBOULT GRADING
45	SAND LAKE ROUNDBOULT GRADING
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47	SAND LAKE ROUNDBOULT GRADING
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76	LANDSCAPING PLAN


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Plotted: 4/11/2014 7:32 AM


**65% DESIGN  
APRIL 2014**

PROJECT MANAGEMENT AND ENGINEERING DIVISION									
05-05 WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD									
INDEX, NOTES, AND ABBREVIATIONS									
SCALE		DATE 4/11/14		GRID		SHEET 2 of 76		ACCT. NO.	

FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY	
DESIGN				BASE			TELEPHONE											
STAKING				TOPOGRAPHY			ELECTRIC											
ASBULT				PROFILE			CABLE TV											
CONTRACTOR				SANITARY SEWER			DESIGN											
INSPECTOR				STORM SEWER			QUANTITIES											
				WATER			MUN. FINAL CHK.											
				GAS														



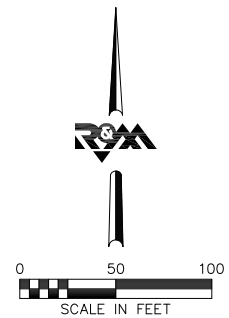
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Anchorage, Alaska 99507  
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907 522 3404 fax  
www.rmconsult.com



CONSULTANT

SEAL





**MONUMENT LEGEND**

- ⊕ FOUND PRIMARY MONUMENT
- FOUND SECONDARY MONUMENT
- SET SECONDARY CONTROL POINT
- 123 SURVEY POINT NUMBER
- BM BENCH MARK

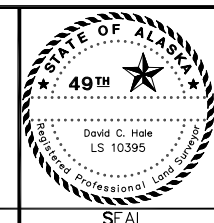
**NOTES**

1. THE FIELD SURVEY WAS PERFORMED BY R&M CONSULTANTS, INC. (R&M) FROM AUGUST 12, 2005 TO JULY 5, 2006 AND APRIL 29, 2013 TO DECEMBER 30, 2013. FIELD SURVEY INFORMATION FOR THIS PROJECT IS LOCATED IN MOA FIELD BOOK No. 3355, PAGES 1 THROUGH 52, BOOK No. 3389, PAGES 1 THROUGH 25, BOOK No. 3623, PAGES 20 THROUGH 77 AND BOOK No. 3636, PAGES 16 THROUGH 24 AND 41.
2. A TITLE SEARCH WAS NOT PERFORMED. EASEMENTS OF RECORD OTHER THAN THOSE SHOWN ON THE RECORDED PLATS, OR PROVIDED BY THE MUNICIPAL SURVEYOR, ARE NOT SHOWN HEREON.
3. THIS PROJECT IS LOCATED ENTIRELY WITHIN THE ANCHORAGE BOWL 2000 ADJUSTMENT, A LOCAL SURFACE GRID COORDINATE SYSTEM EXPRESSED IN U.S. SURVEY FEET DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (ADOT&PF).
4. THE BASIS OF COORDINATES IS NGS STATION O'MALLEY, LOCATED NEAR THE INTERSECTION OF THE NEW SEWARD HIGHWAY AND O'MALLEY ROAD. SAID STATION HAS ANCHORAGE BOWL 2000 COORDINATES OF 303939.2310 N, 353362.5446 E. U.S. SURVEY FEET.
5. THE BASIS OF BEARINGS IS A LOCAL PLANE BEARING BETWEEN NGS STATION O'MALLEY AND NGS STATION LOOP 2 USE RM 3 1964. NGS STATION LOOP 2 USE RM 3 1964 BEARS N01°43'26.4"E A DISTANCE OF 49488.4476 FEET FROM NGS STATION O'MALLEY. NGS STATION LOOP 2 USE RM 3 1964 HAS ANCHORAGE BOWL 2000 COORDINATES OF 353405.2778 N, 354851.3982 E. (U.S. SURVEY FEET).
6. ELEVATIONS ARE BASED ON MUNICIPALITY OF ANCHORAGE BENCHMARK "CB 11", A BRASS CAP SET IN THE FLOOR OF THE OLD SAND LAKE FIRE STATION ON JEWEL LAKE ROAD, AS DESCRIBED ON PAGE D-34 OF THE MOA BENCHMARK BOOK, WITH AN ELEVATION OF 94.31 FEET, AND BENCHMARK "GAAB 39", A BRASS CAP SET VERTICALLY IN THE SOUTHWEST FACE OF THE HITECH TANNING SALON AT DIMOND AND ARLINE, AS DESCRIBED ON PAGE D-36 OF THE MOA BENCHMARK BOOK, WITH AN ELEVATION OF 62.20 FEET, AND BENCHMARK "GAAB 127", A BRASS CAP SET IN A 4" CASING AT WANDERING DRIVE AND SAND LAKE ROAD, AS DESCRIBED ON PAGE D-32 OF THE MOA BENCHMARK BOOK, WITH AN ELEVATION OF 109.54 FEET.
7. ALL DISTURBED PROPERTY CORNERS SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE M.O.A. STANDARD SPECIFICATIONS, SECTION 65.02 CONSTRUCTION SURVEYING, ARTICLE 2.1 PROJECT CONTROL.

MONUMENT SUMMARY TABLE (W. Dimond Blvd)

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
739			312233.9742	328610.0641	Found Rebar
740			312349.9678	328597.5505	Found Aluminum Cap Monument
741	73+02.73	50.27' Rt.	312163.7043	328759.7511	Found Iron Pipe
742	74+41.77	48.57' Lt.	312195.2818	328927.0692	Found Iron Pipe
743	77+85.28	51.15' Rt.	311975.1933	329209.0095	Found Rebar
744	72+93.41	49.06' Lt.	312067.0100	329249.9720	Found Iron Pipe
751	81+48.29	49.80' Lt.	311956.7892	329586.1829	Found Yellow Plastic Cap on Rebar
752	81+30.75	49.84' Rt.	311867.5439	329538.5387	Found Rebar
753	82+56.82	49.70' Rt.	311828.4778	329658.3991	Found Rebar
759	74+66.82	51.13' Rt.	312094.0035	328909.4509	Found Rebar
774	76+29.78	58.25' Rt.	312023.7574	329059.0022	Found Rebar

FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY
DESIGN: Book 3355, Pages 1 - 52	CB 111	MOA 1988 Benchmark Book, D-34	94.31'	BASE	KSLP		TELEPHONE						
Book 3389, Pages 1 - 25	GAAB 39	MOA 1988 Benchmark Book, D-36	62.20'	TOPOGRAPHY			ELECTRIC						
Book 3623, Pages 20 - 77	GAAB 126	MOA 1988 Benchmark Book, D-36	119.84'	PROFILE			CABLE TV						
Book 3636, Pages 16 - 24 & 41	GAAB 127	MOA 1988 Benchmark Book, D-32	109.54'	SANITARY SEWER			TRAFFIC SIGNAL						
CONTRACTOR:	BASIS OF DATUM: 1972 N.G.S. ADJUSTED DATUM			WATER			DESIGN						
INSPECTOR:				GAS			QUANTITIES						
CONSTRUCTION RECORD	VERTICAL DATUM						MUN. FINAL CHECK						

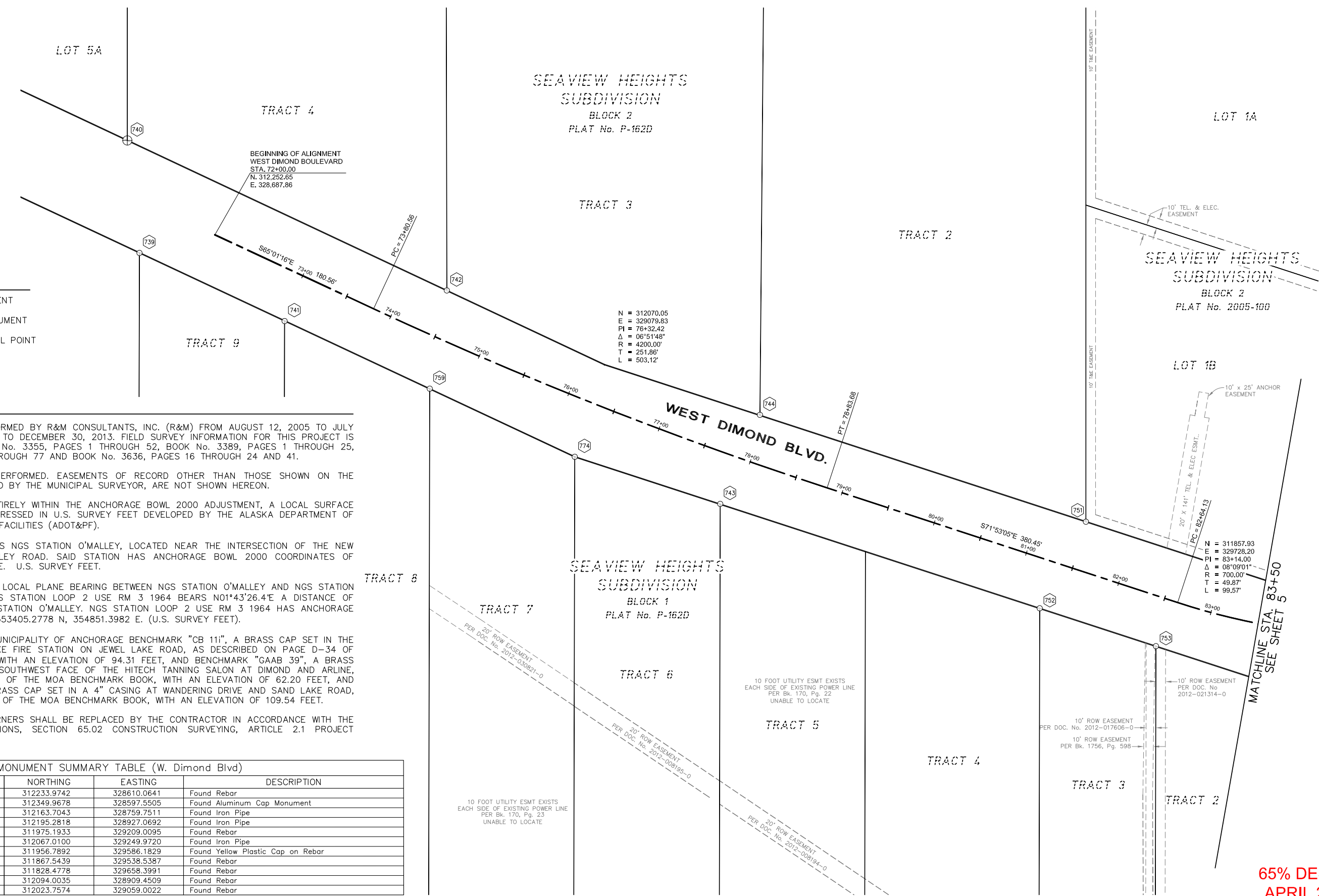


PROJECT MANAGEMENT AND ENGINEERING DIVISION

05-05 WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD SURVEY CONTROL SHEET

HORIZ SCALE: 1"=50' DATE: April 2014 GRID: SW2323 SHEET 4 of 76

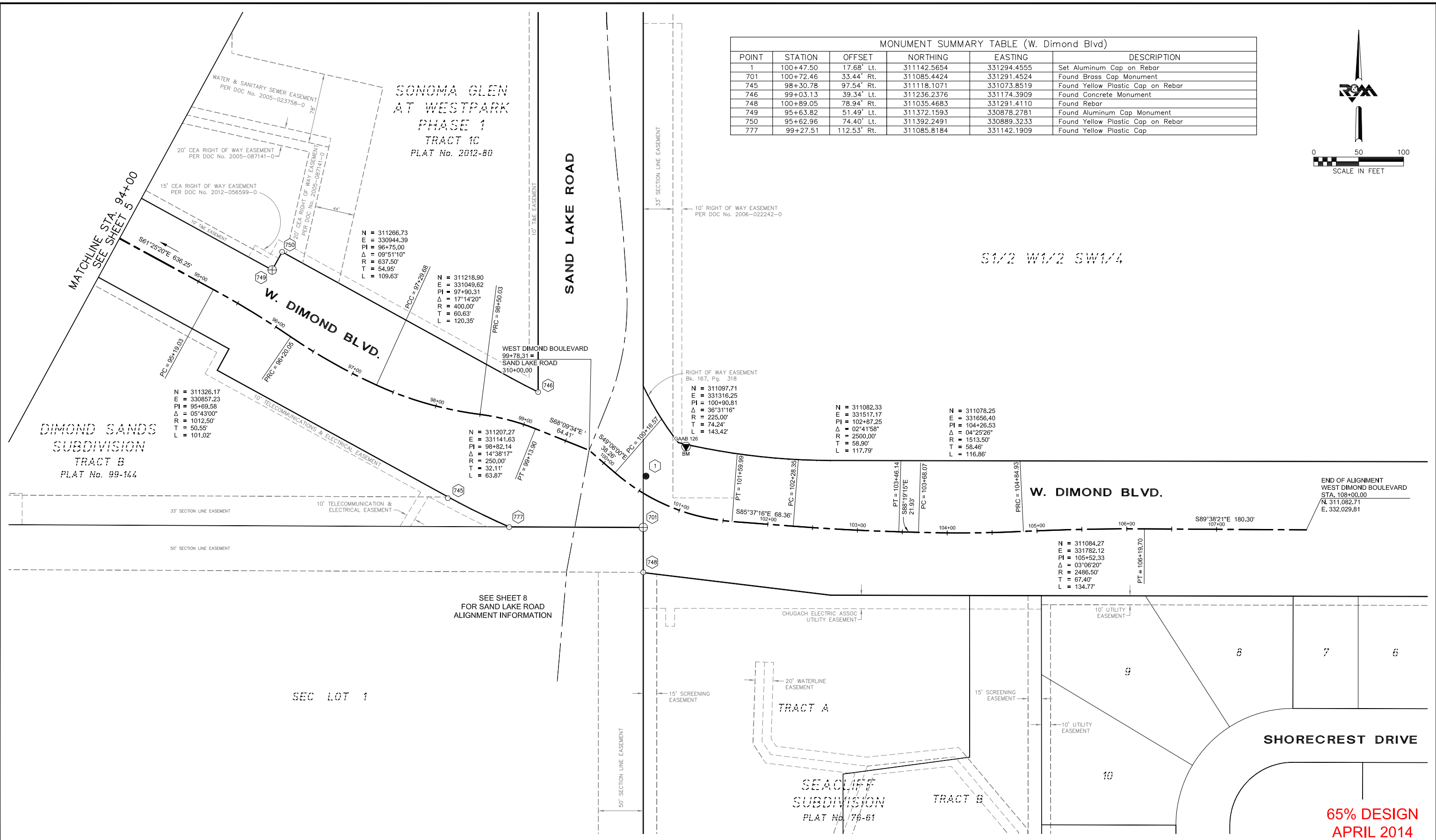
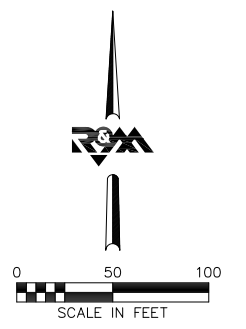
VERT SCALE: N/A ACCT. NO.



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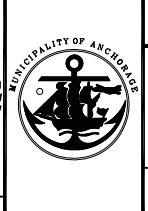
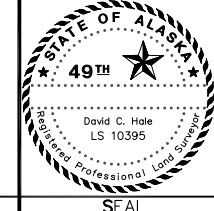


MONUMENT SUMMARY TABLE (W. Dimond Blvd)					
POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1	100+47.50	17.68' Lt.	311142.5654	331294.4555	Set Aluminum Cap on Rebar
701	100+72.46	33.44' Rt.	311085.4424	331291.4524	Found Brass Cap Monument
745	98+30.78	97.54' Rt.	311118.1071	331073.8519	Found Yellow Plastic Cap on Rebar
746	99+03.13	39.34' Lt.	311236.2376	331174.3909	Found Concrete Monument
748	100+89.05	78.94' Rt.	311035.4683	331291.4110	Found Rebar
749	95+63.82	51.49' Lt.	311372.1593	330878.2781	Found Aluminum Cap Monument
750	95+62.96	74.40' Lt.	311392.2491	330889.3233	Found Yellow Plastic Cap on Rebar
777	99+27.51	112.53' Rt.	311085.8184	331142.1909	Found Yellow Plastic Cap



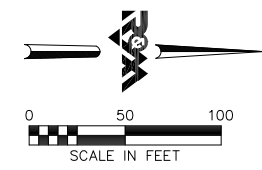
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DESIGN: Book 3355, Pages 1 - 52	CB 111	MOA 1988 Benchmark Book, D-34	94.31'	BASE	KSLP		TELEPHONE						
Book 3389, Pages 1 - 25	GAAB 39	MOA 1988 Benchmark Book, D-36	82.20'	TOPOGRAPHY			ELECTRIC						
Book 3623, Pages 20 - 77	GAAB 126	MOA 1988 Benchmark Book, D-36	119.84'	PROFILE			CABLE TV						
Book 3636, Pages 16 - 24 & 41	GAAB 127	MOA 1988 Benchmark Book, D-32	109.54'	SANITARY SEWER			TRAFFIC SIGNAL						
CONTRACTOR:	BASIS OF DATUM: 1972 N.G.S. ADJUSTED DATUM			WATER			DESIGN						
INSPECTOR:				GAS			QUANTITIES						
CONSTRUCTION RECORD	VERTICAL DATUM						MUN. FINAL CHECK						



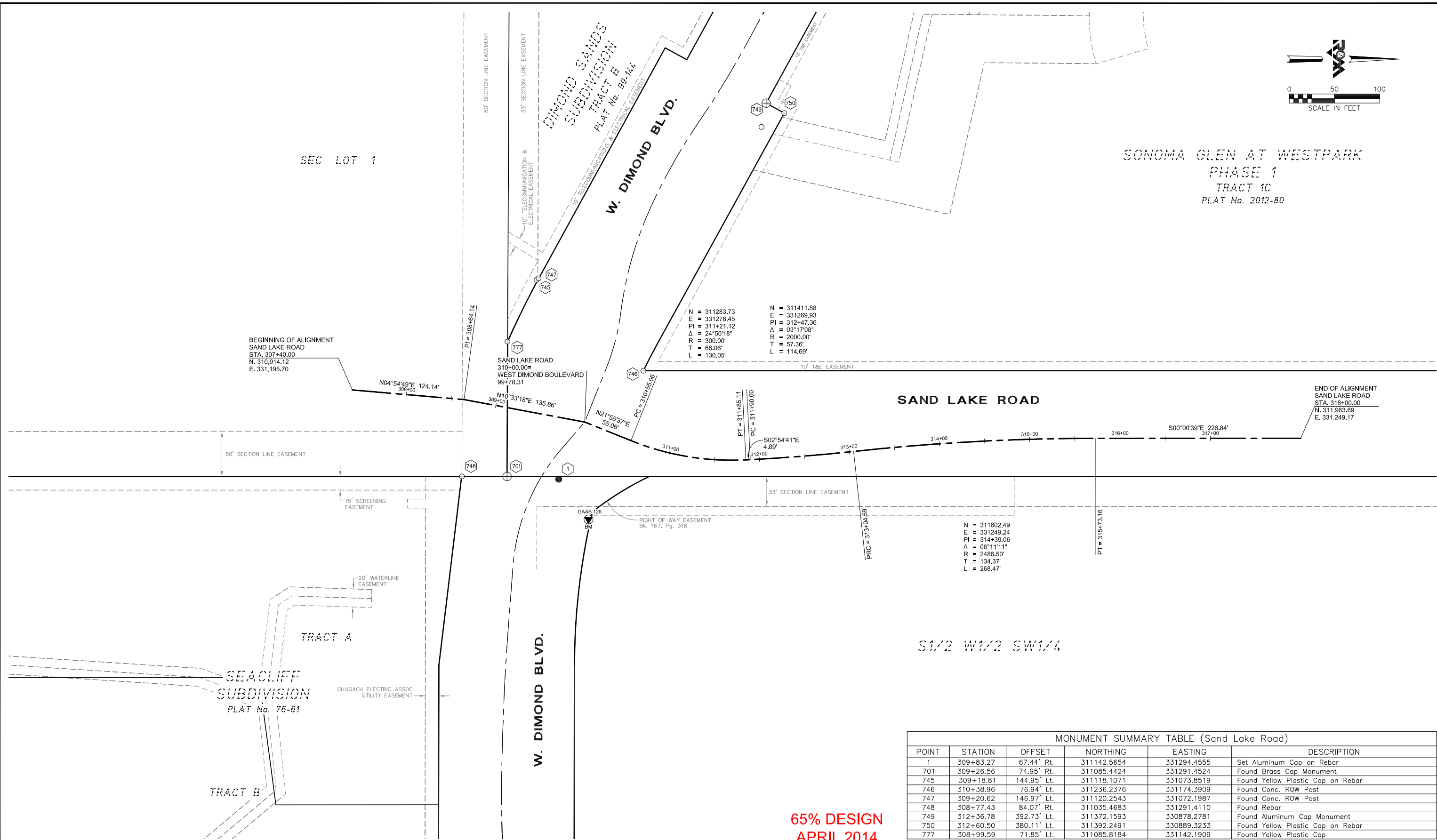
PROJECT MANAGEMENT AND ENGINEERING DIVISION			
05-05	WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD		
SURVEY CONTROL SHEET			
HORIZ SCALE: 1"=50'	DATE: April 2014	GRID: SW2323	SHEET 6 of 76
VERT SCALE: N/A	ACCT. NO.		





SONOMA GLEN AT WESTPARK  
 PHASE 1  
 TRACT 1C  
 PLAT No. 2012-80

SEC LOT 1



N = 311283.73  
 E = 331276.45  
 PI = 311+21.12  
 Δ = 24°50'18"  
 R = 300.00'  
 T = 66.06'  
 L = 130.05'

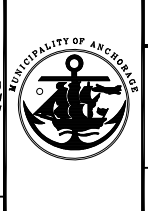
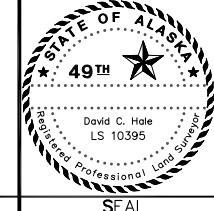
N = 311411.88  
 E = 331269.93  
 PI = 312+47.36  
 Δ = 03°17'08"  
 R = 2000.00'  
 T = 57.36'  
 L = 114.69'

N = 311602.49  
 E = 331249.24  
 PI = 314+39.06  
 Δ = 06°11'11"  
 R = 2486.50'  
 T = 134.37'  
 L = 268.47'

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1	309+83.27	67.44' Rt.	311142.5654	331294.4555	Set Aluminum Cap on Rebar
701	309+26.56	74.95' Rt.	311085.4424	331291.4524	Found Brass Cap Monument
745	309+18.81	144.95' Lt.	311118.1071	331073.8519	Found Yellow Plastic Cap on Rebar
746	310+38.96	76.94' Lt.	311236.2376	331174.3909	Found Conc. ROW Post
747	309+20.62	146.97' Lt.	311120.2543	331072.1987	Found Conc. ROW Post
748	308+77.43	84.07' Rt.	311035.4683	331291.4110	Found Rebar
749	312+36.78	392.73' Lt.	311372.1593	330878.2781	Found Aluminum Cap Monument
750	312+60.50	380.11' Lt.	311392.2491	330889.3233	Found Yellow Plastic Cap on Rebar
777	308+99.59	71.85' Lt.	311085.8184	331142.1909	Found Yellow Plastic Cap

65% DESIGN  
 APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY
DESIGN: Book 3355, Pages 1 - 52	CB 111	MOA 1988 Benchmark Book, D-34	94.31'	BASE	KSLP		TELEPHONE						
Book 3389, Pages 1 - 25	GAAB 39	MOA 1988 Benchmark Book, D-36	62.20'	TOPOGRAPHY			ELECTRIC						
Book 3623, Pages 20 - 77	GAAB 126	MOA 1988 Benchmark Book, D-36	119.84'	PROFILE			CABLE TV						
Book 3636, Pages 16 - 24 & 41	GAAB 127	MOA 1988 Benchmark Book, D-32	109.54'	SANITARY SEWER			TRAFFIC SIGNAL						
CONTRACTOR:	BASIS OF DATUM: 1972 N.G.S. ADJUSTED DATUM			WATER			QUANTITIES						
INSPECTOR:				GAS			MUN. FINAL CHECK						
CONSTRUCTION RECORD	VERTICAL DATUM			PLAN CHECK				REVISIONS					



PROJECT MANAGEMENT AND ENGINEERING DIVISION			
05-05 WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD SURVEY CONTROL SHEET			
HORIZ SCALE: 1"=50'	DATE: April 2014	GRID: SW2323	SHEET 8 of 76
VERT SCALE: N/A	ACCT. NO.		