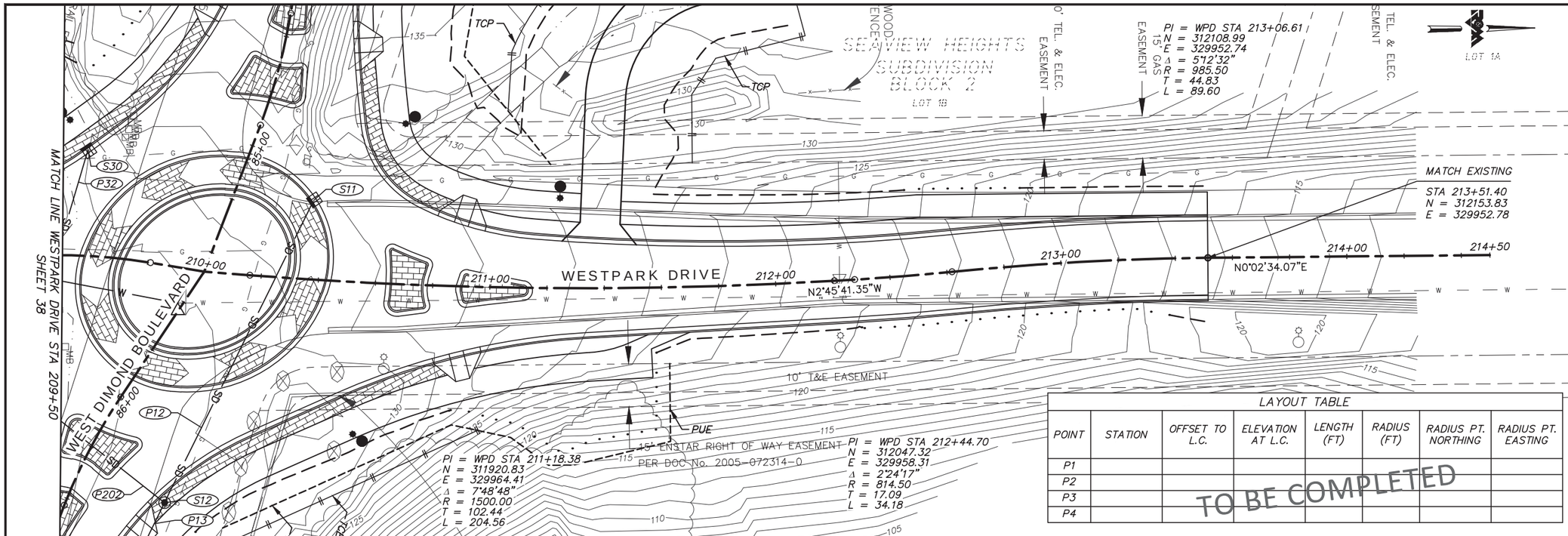


LAYOUT TABLE							
POINT	STATION	OFFSET TO L.C.	ELEVATION AT L.C.	LENGTH (FT)	RADIUS (FT)	RADIUS PT. NORTHING	RADIUS PT. EASTING
P1							
P2							
P3							
P4							

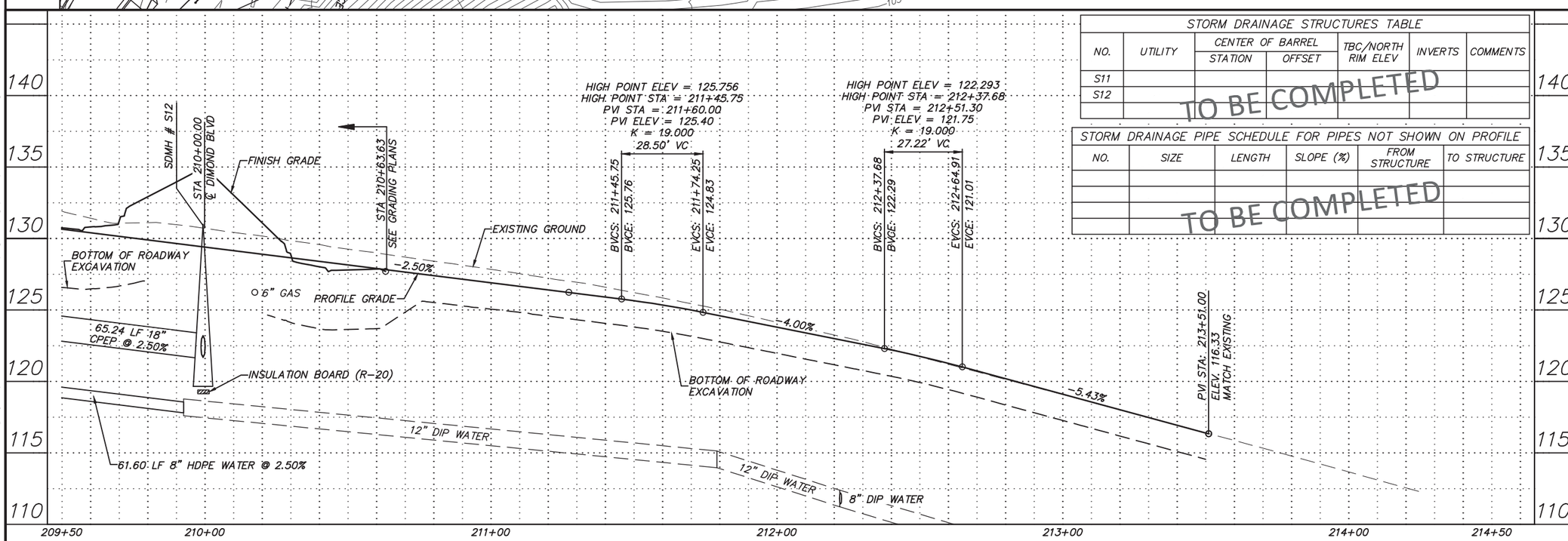
TO BE COMPLETED

STORM DRAINAGE STRUCTURES TABLE						
NO.	UTILITY	CENTER OF BARREL		TBC/NORTH RIM ELEV	INVERTS	COMMENTS
		STATION	OFFSET			
S11						
S12						

TO BE COMPLETED

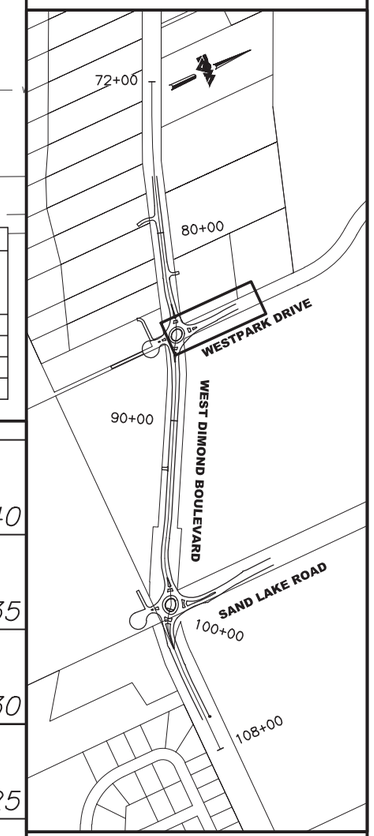
STORM DRAINAGE PIPE SCHEDULE FOR PIPES NOT SHOWN ON PROFILE					
NO.	SIZE	LENGTH	SLOPE (%)	FROM STRUCTURE	TO STRUCTURE

TO BE COMPLETED



BEFORE YOU DIG CALL FOR FREE UNDERGROUND LOCATION

LOCATE CALL CENTER OF ALASKA STATEWIDE ..... 800-478-3121 WILL NOTIFY SUBSCRIBED UTILITIES ONLY. OTHER UTILITIES NEED TO BE CONTACTED INDIVIDUALLY.



KEYMAP

65% DESIGN
APRIL 2014

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SCALE IN FEET

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-E-P&Ps.dwg

Plotted: 4/11/2014 7:36 AM

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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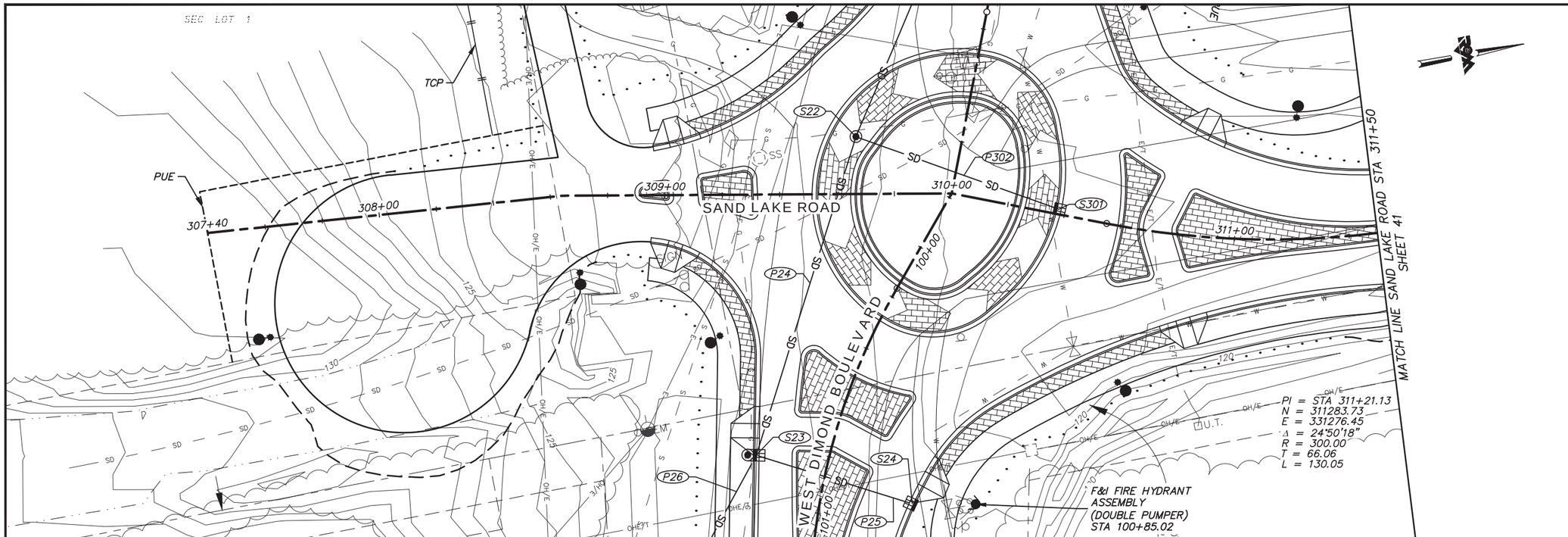
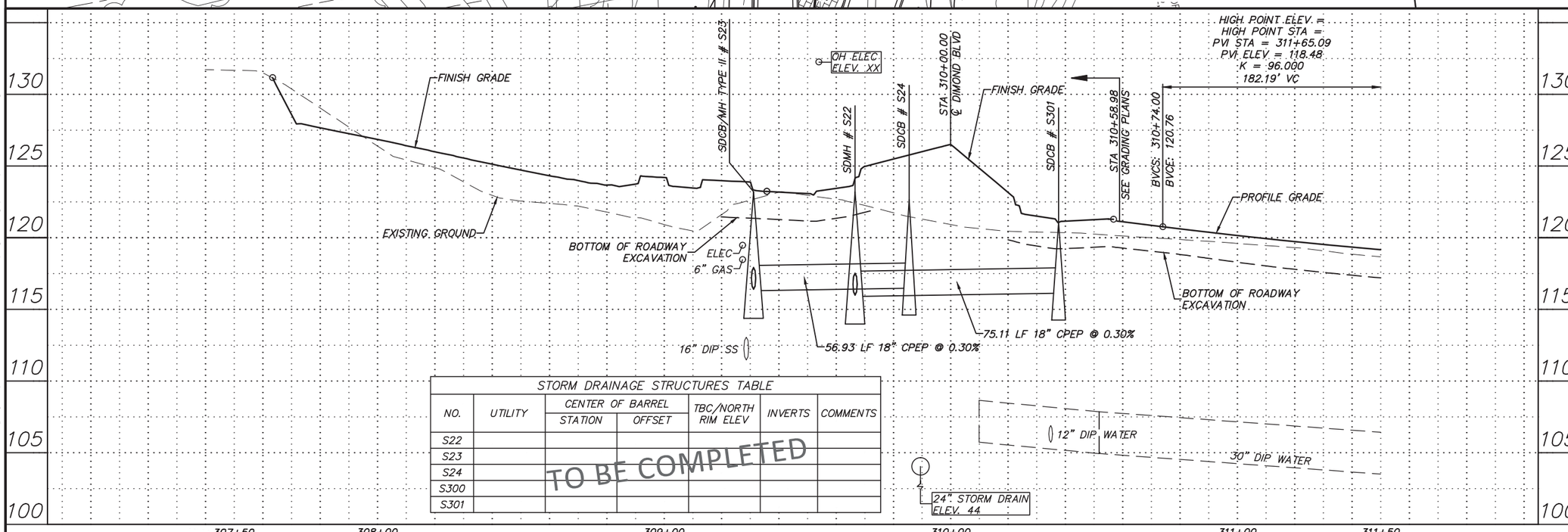
PROJECT MANAGEMENT AND ENGINEERING DIVISION

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

PLAN AND PROFILE
WESTPARK DRIVE - STA 209+50 TO 213+50

SCALE 1:20 H 1:4 V | DATE 4/11/14 | GRID 2323 2324 2423 2424 | ACCT. NO. | SHEET 39 of 76





STORM DRAINAGE STRUCTURES TABLE

NO.	UTILITY	CENTER OF BARREL STATION	CENTER OF BARREL OFFSET	TBC/NORTH RIM ELEV	INVERTS	COMMENTS
S22						
S23						
S24						
S300						
S301						

TO BE COMPLETED

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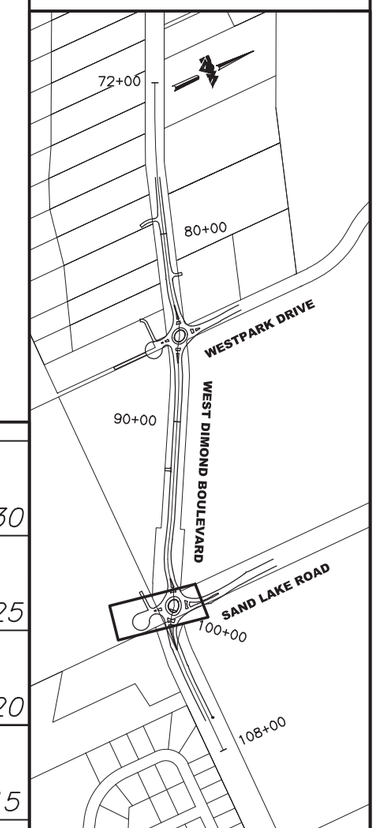

KEYMAP

65% DESIGN
APRIL 2014

0 20 40
SCALE IN FEET

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-E-P&Ps.dwg

Plotted: 4/11/2014 7:36 AM

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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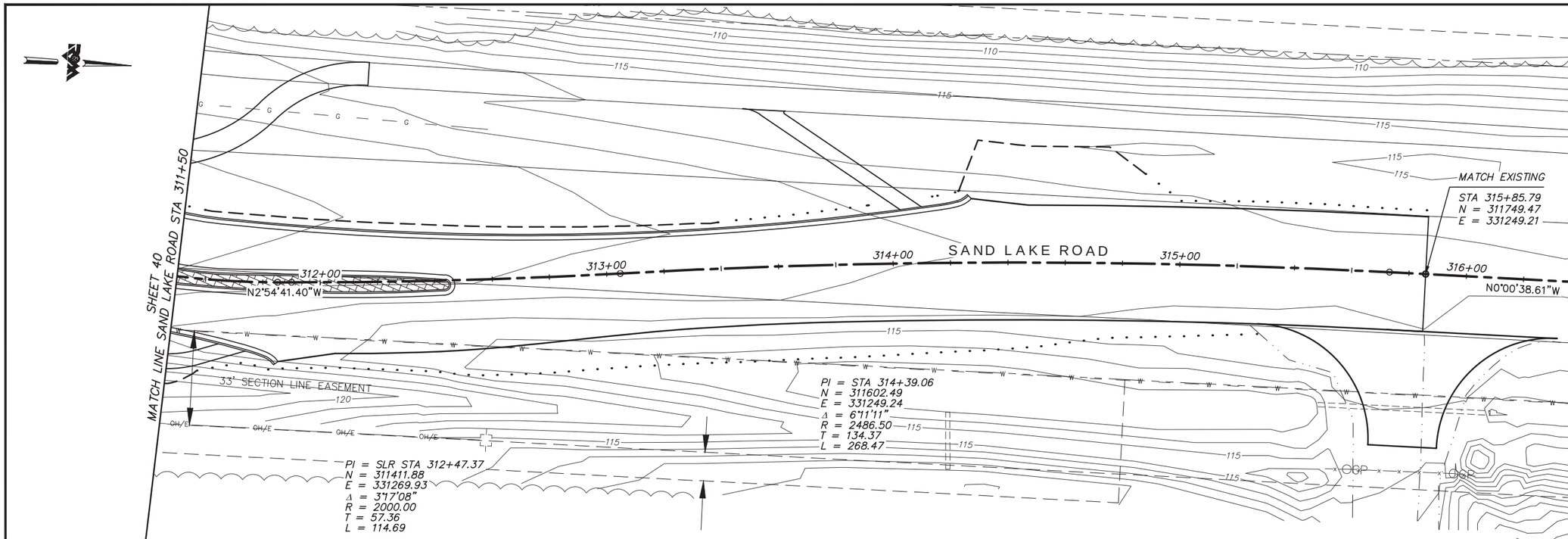
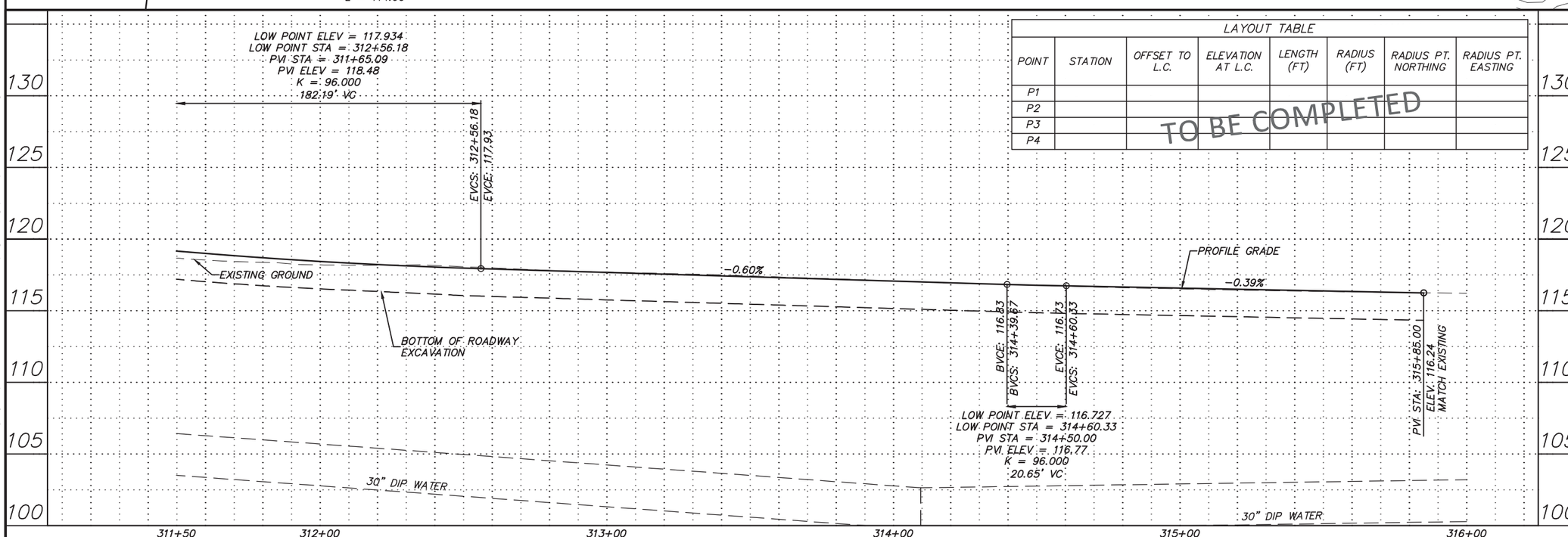
05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

PLAN AND PROFILE
SAND LAKE ROAD - STA 307+40 TO 311+50

SCALE 1:20 H 1:4 V | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 40 of 76
ACCT. NO.





LAYOUT TABLE

POINT	STATION	OFFSET TO L.C.	ELEVATION AT L.C.	LENGTH (FT)	RADIUS (FT)	RADIUS PT. NORTHING	RADIUS PT. EASTING
P1							
P2							
P3							
P4							

TO BE COMPLETED

BEFORE YOU DIG CALL FOR FREE UNDERGROUND LOCATION

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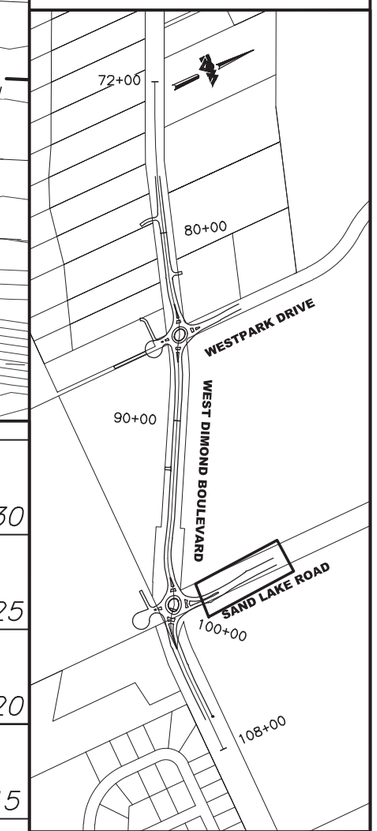

KEYMAP

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APRIL 2014

0 20 40
SCALE IN FEET

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FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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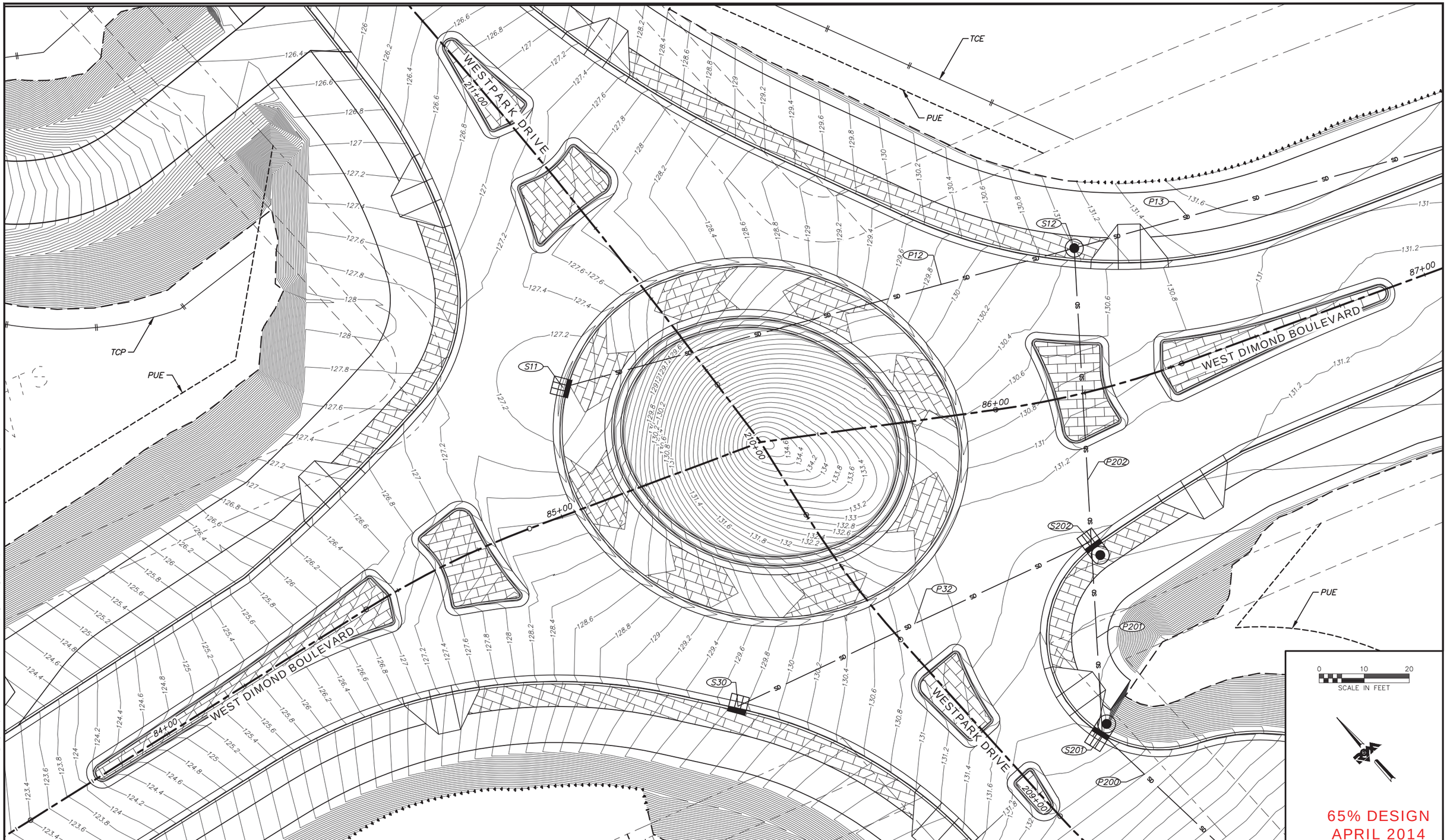
05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

PLAN AND PROFILE
SAND LAKE ROAD - STA 311+50 TO 316+00

SCALE 1:20 H 1:4 V | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 41 of 76
ACCT. NO.



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FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
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05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

WESTPARK ROUNDABOUT GRADING

SCALE 1:10 H | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 42 of 76

ACCT. NO.

WEST ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

NORTH WEST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

NORTH WEST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

EAST ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH EAST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH EAST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

NORTH ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

TO BE COMPLETED

65% DESIGN
APRIL 2014

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-F-Roundabout Plans.dwg

Plotted: 4/11/2014 7:37 AM

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

GRADING TABLES
WESTPARK ROUNDABOUT GRADING

SCALE

DATE 4/11/14 GRID 2323 2324 2423 2424

ACCT. NO.

SHEET 43 of 76

ROUNDABOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
RP1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP2	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP3	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP4	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP5	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC

ROUNDABOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
RP1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP2	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP3	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP4	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP5	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC

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APRIL 2014

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FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
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ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

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PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

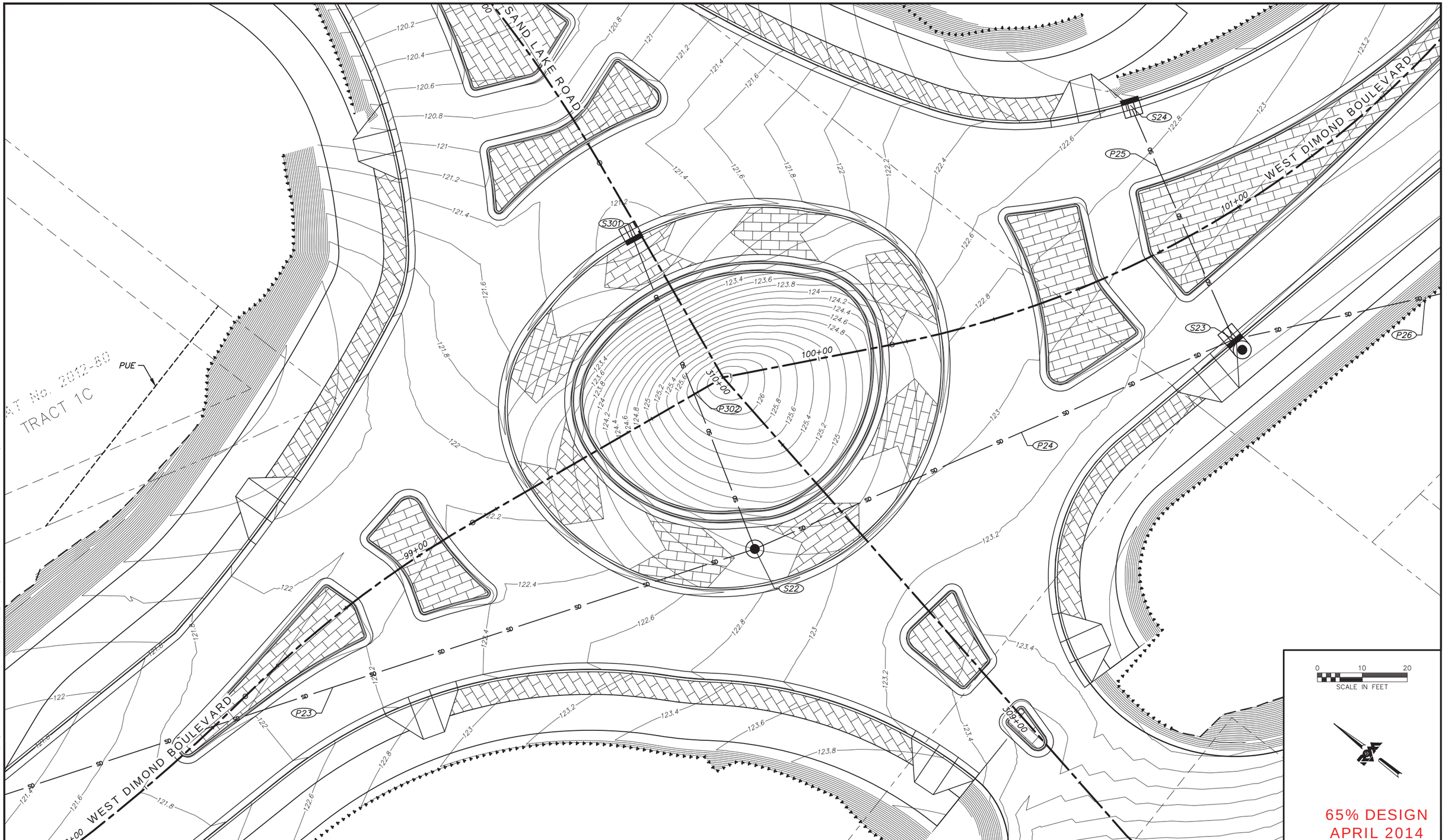
GRADING TABLES
WESTPARK ROUNDABOUT GRADING

SCALE

DATE 4/11/14 GRID 2323 2324 2423 2424

ACCT. NO.

SHEET 44 of 76



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APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
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CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
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05-05
WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

SAND LAKE ROUNDABOUT GRADING

SCALE 1:10 H | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 45 of 76
ACCT. NO.

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-F-Roundabout Plans.dwg
Plotted: 4/11/2014 7:37 AM

WEST ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

NORTH WEST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

NORTH WEST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

EAST ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH EAST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH EAST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

NORTH ISLAND LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST CROWN				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

SOUTH WEST LIP				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
P1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
P2				
P3				
P4				
P5				

TO BE COMPLETED

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APRIL 2014

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FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
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ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

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TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

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05–05
WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

GRADING TABLES
SAND LAKE ROUNDABOUT GRADING

SCALE

DATE 4/11/14 GRID 2323 2324 2423 2424

ACCT. NO.

SHEET 46 of 76

ROUNDABOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
RP1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP2	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP3	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP4	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP5	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC

ROUNDABOUT POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
RP1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP2	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP3	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP4	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP5	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC

TO BE COMPLETED

65% DESIGN
APRIL 2014

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-F-Roundabout Plans.dwg

Plotted: 4/11/2014 7:37 AM

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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PROJECT MANAGEMENT AND
ENGINEERING DIVISION

05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

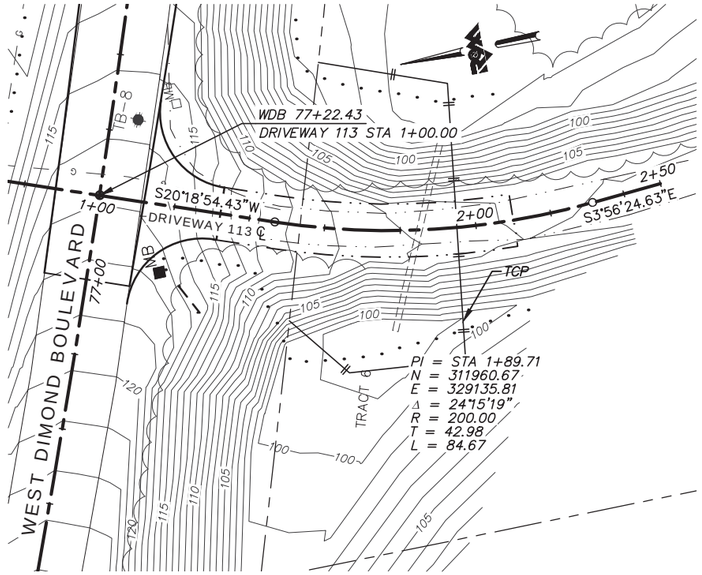
GRADING TABLES
SAND LAKE ROUNDABOUT GRADING

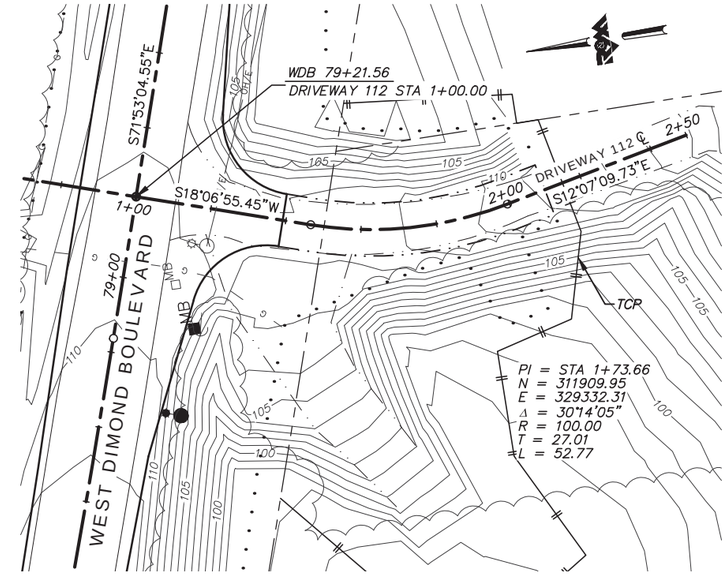
SCALE

DATE 4/11/14 GRID 2323 2324 2423 2424

ACCT. NO.

SHEET 47 of 76





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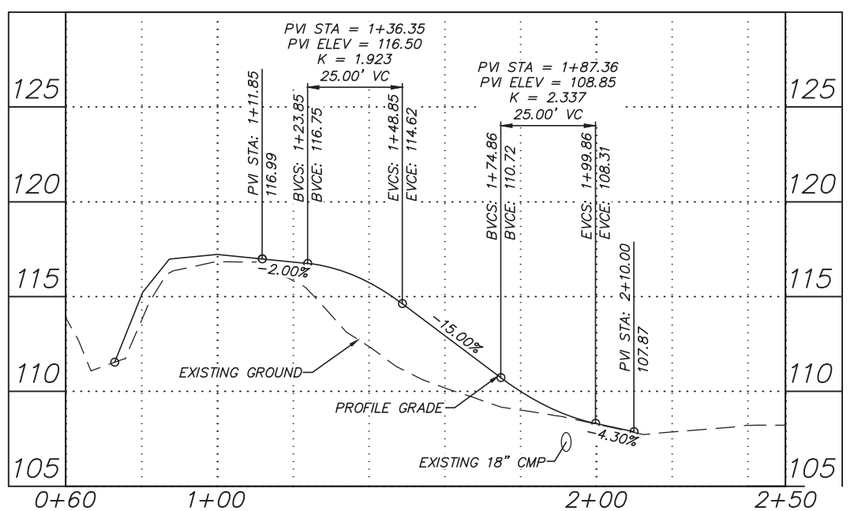
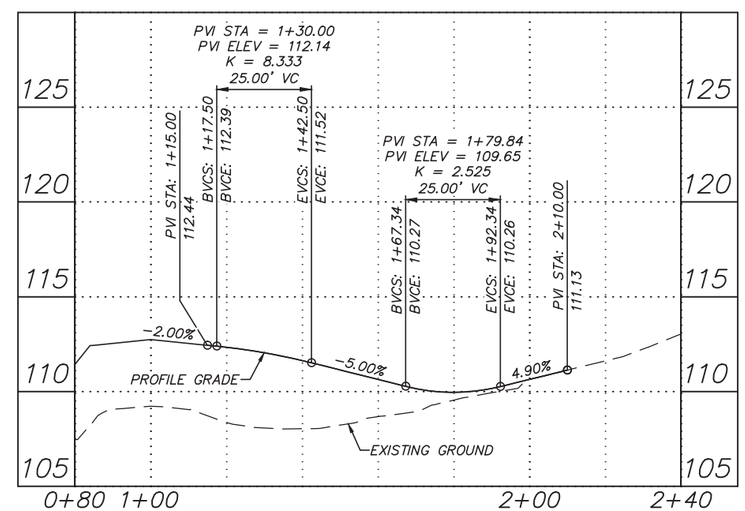


DRIVEWAY 113



DRIVEWAY 112

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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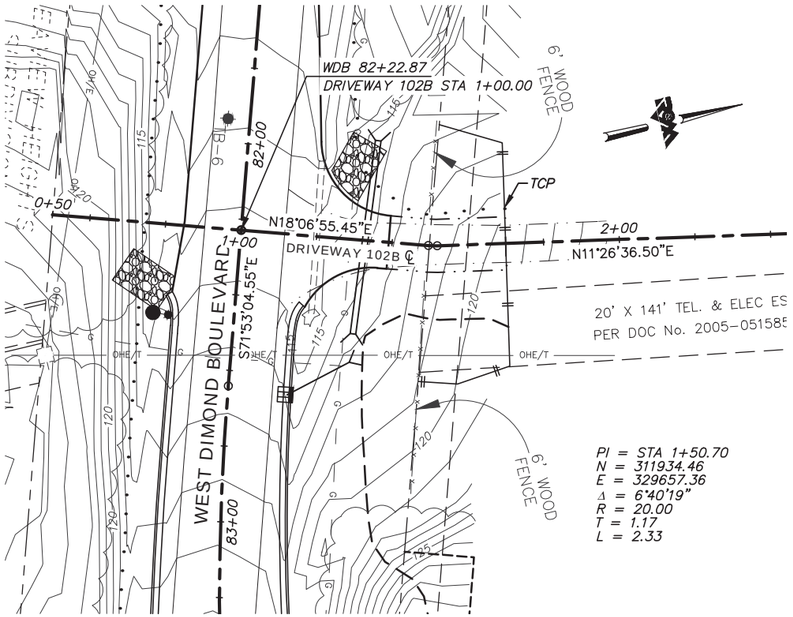
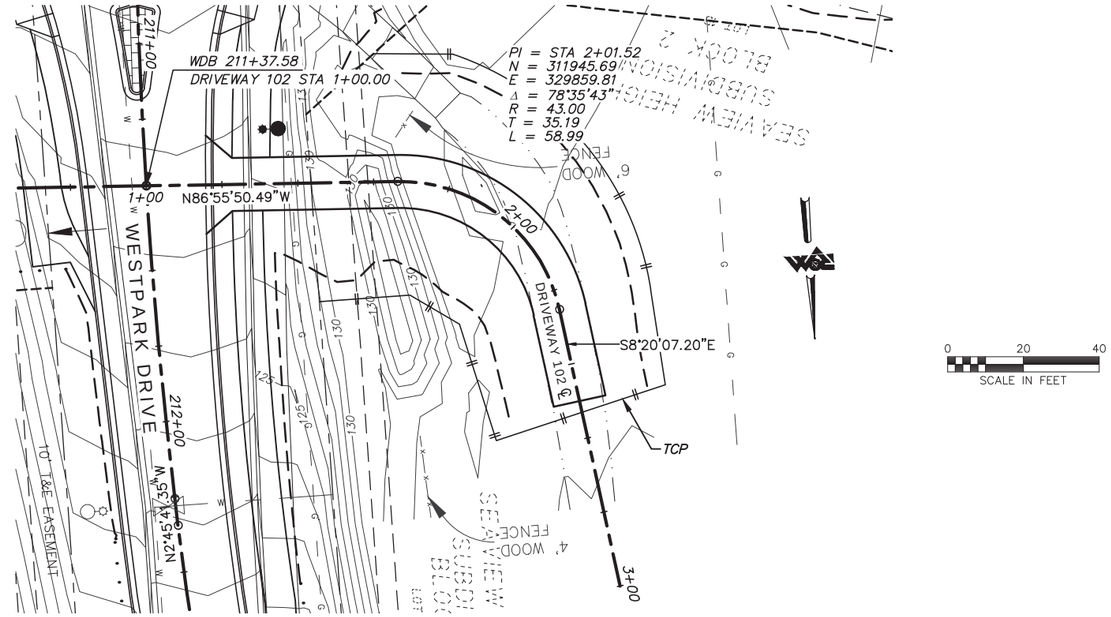
05-05
WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

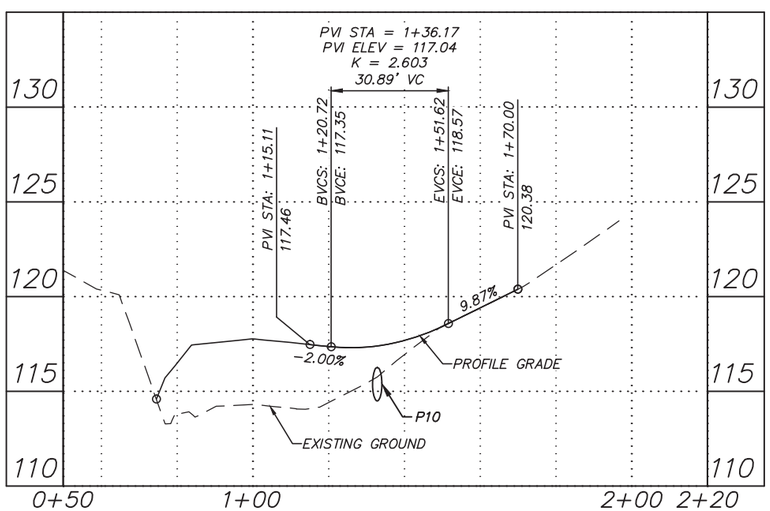
PLAN AND PROFILE
DRIVEWAYS

SCALE 1:20 H 1:4 V | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 48 of 76
ACCT. NO.

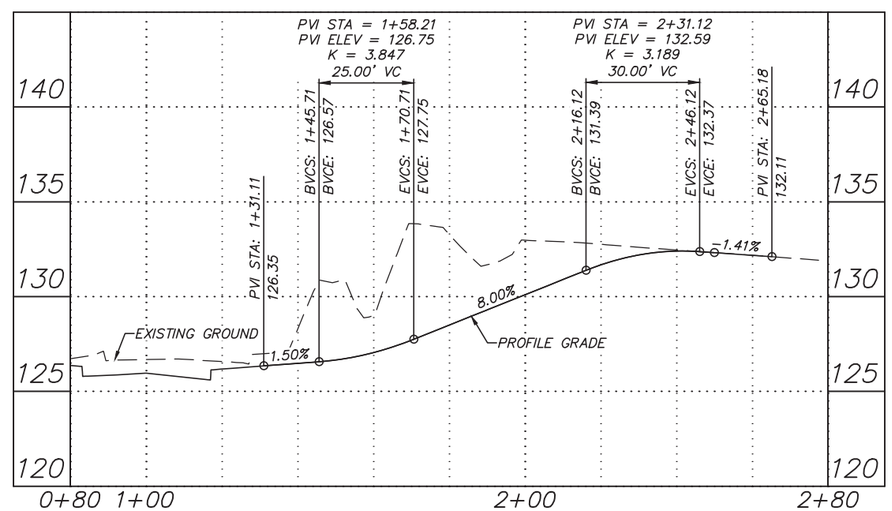
File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-G-Driveways.dwg
Plotted: 4/11/2014 7:38 AM







DRIVEWAY 102B



DRIVEWAY 102

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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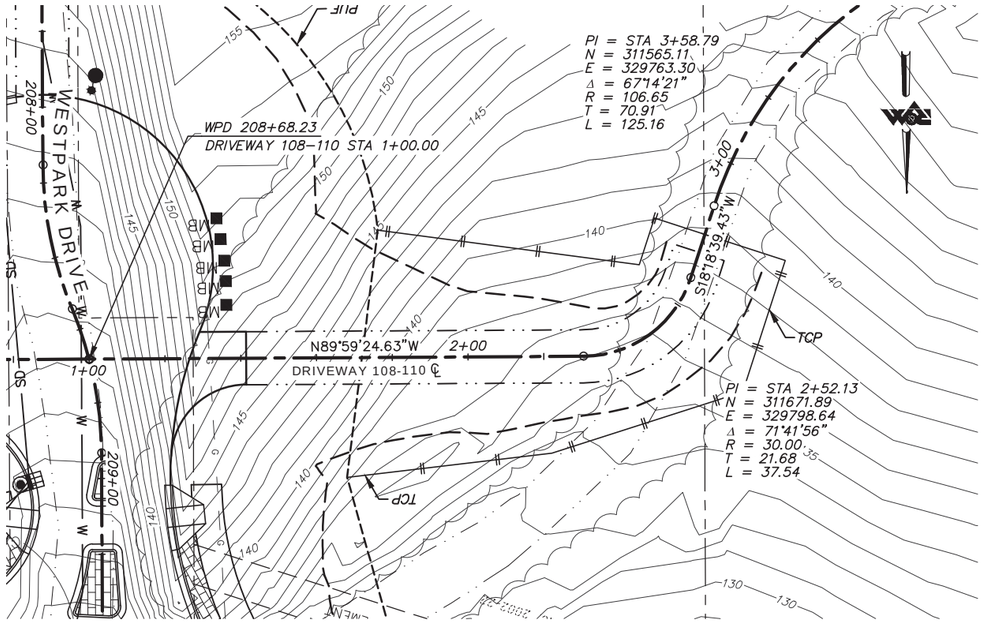
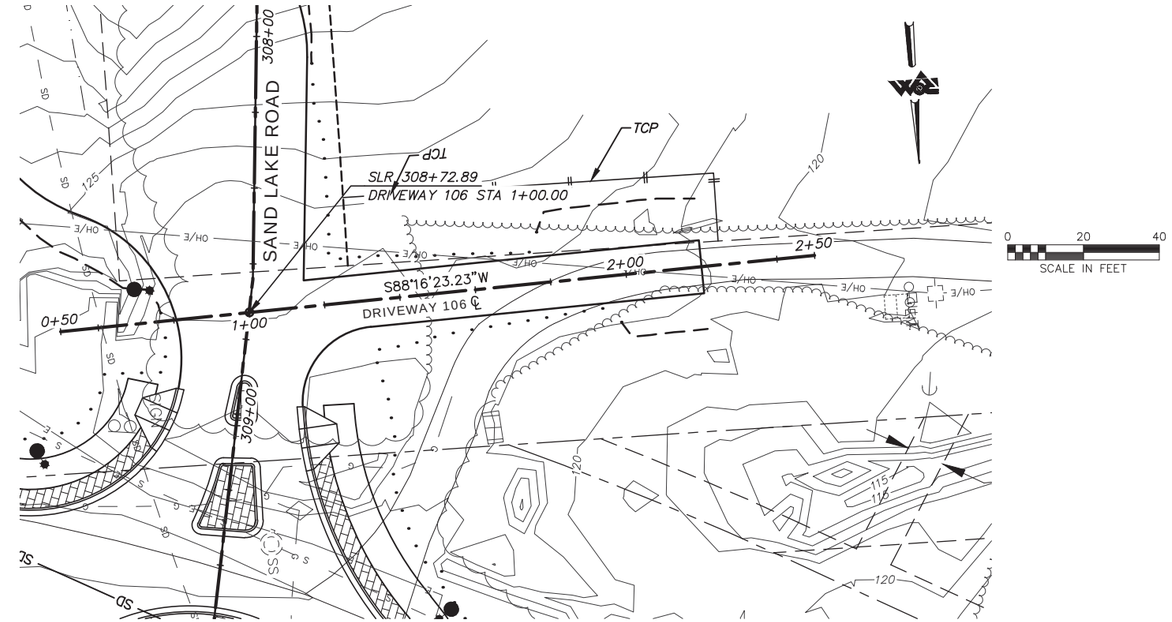
05-05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

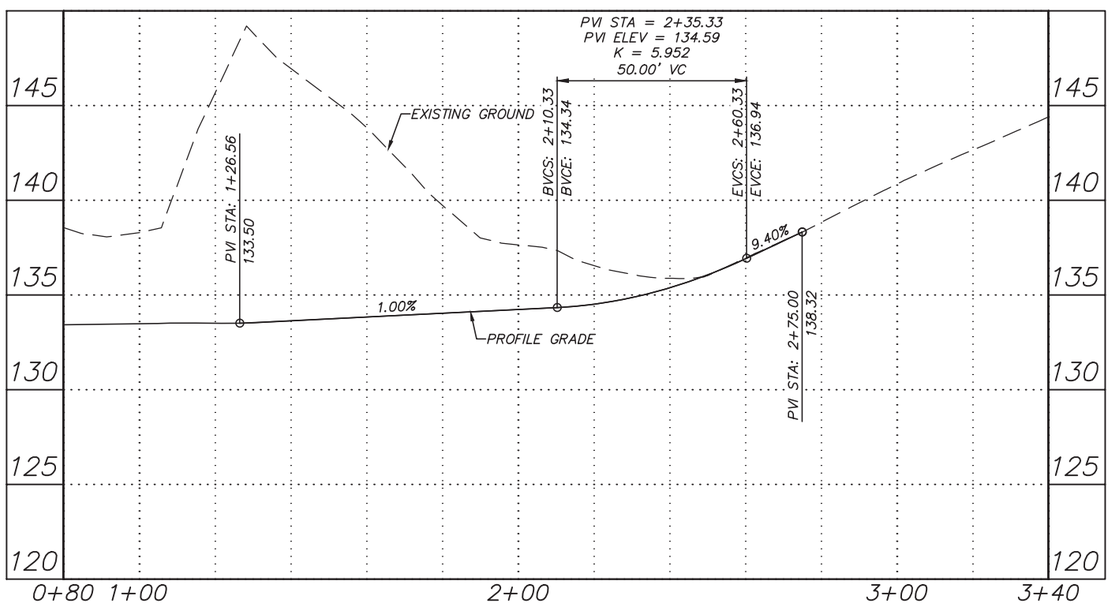
PLAN AND PROFILE
DRIVEWAYS

SCALE 1:20 H 1:4 V | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 49 of 76
ACCT. NO.

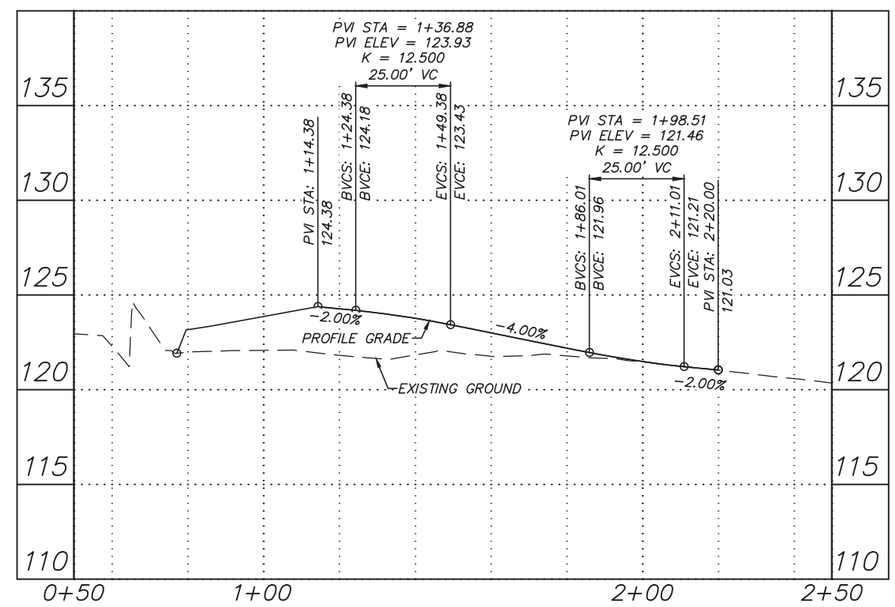
File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-G-Driveways.dwg
Plotted: 4/11/2014 7:38 AM







DRIVEWAY 108-110



DRIVEWAY 106

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

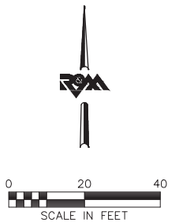
05-05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

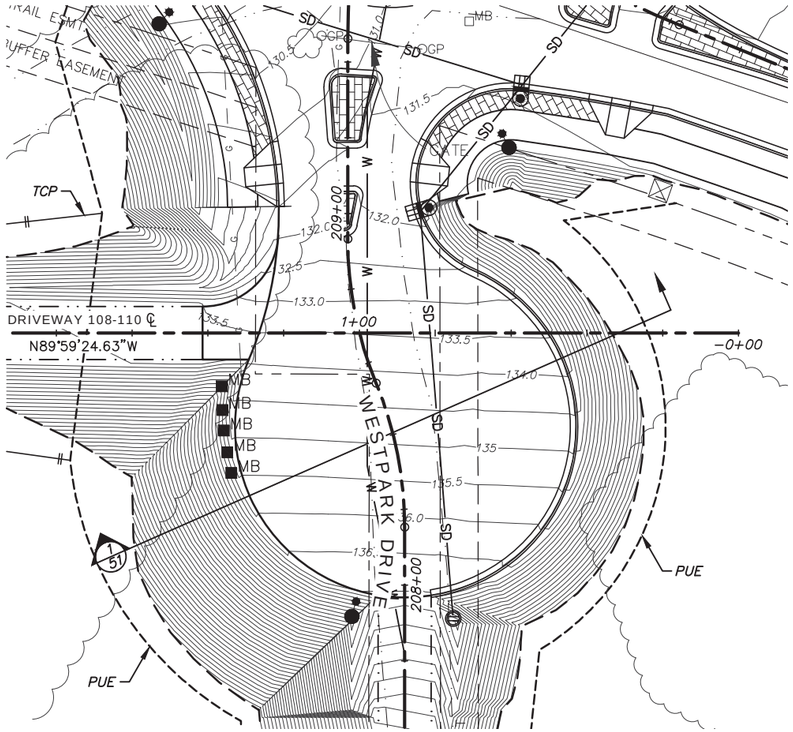
PLAN AND PROFILE
DRIVEWAYS

SCALE 1:20 H 1:4 V | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 50 of 76 | ACCT. NO.

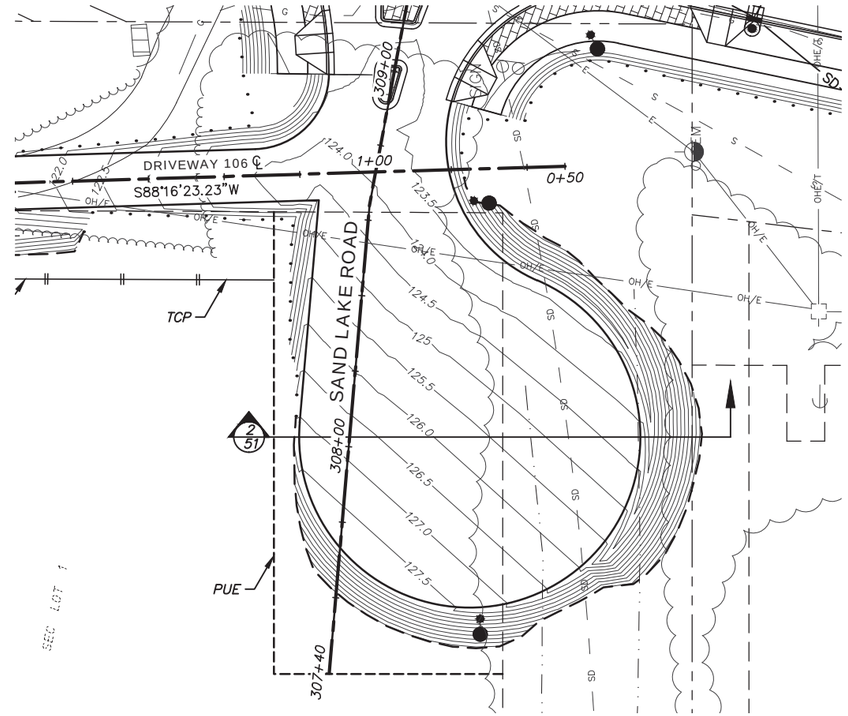
File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-G-Driveways.dwg

Plotted: 4/11/2014 7:38 AM

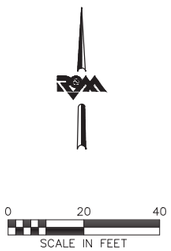


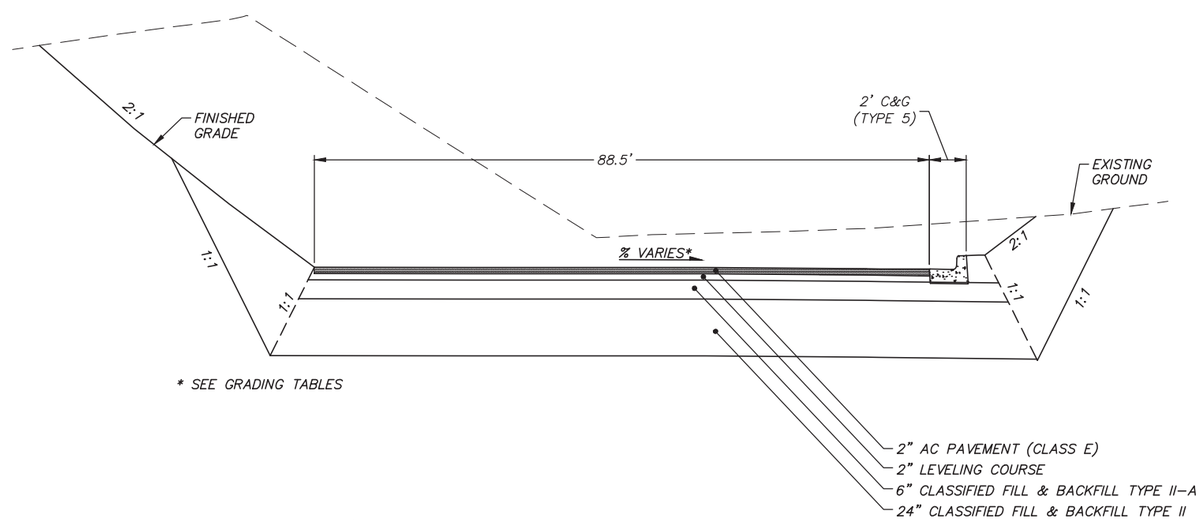


WESTPARK CUL-DE-SAC

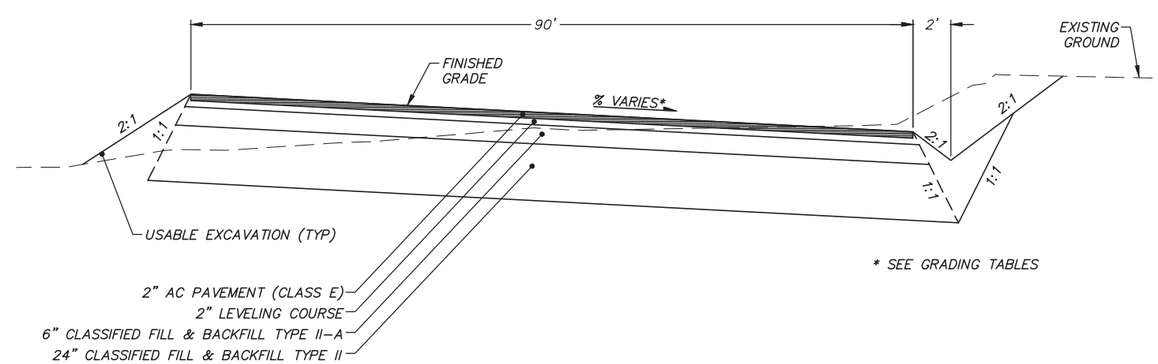


SAND LAKE CUL-DE-SAC





1/51 WESTPARK CUL-DE-SAC TYPICAL SECTION
NTS



2/51 SAND LAKE CUL-DE-SAC TYPICAL SECTION
NTS

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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

PLAN VIEW
CUL-DE-SAC GRADING

SCALE 1:20 H | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 51 of 76
ACCT. NO.

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-G-Driveways.dwg
Plotted: 4/11/2014 7:38 AM

WESTPARK CUL-DE-SAC POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
RP1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP2	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP3	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP4	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP5	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC

SAND LAKE CUL-DE-SAC POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
RP1	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP2	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP3	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP4	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC
RP5	9999.00	9999.00	150.00'	PC/PT/PI/MID/PCC/PRC

TO BE COMPLETED

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

GRADING TABLES
CUL-DE-SAC GRADING

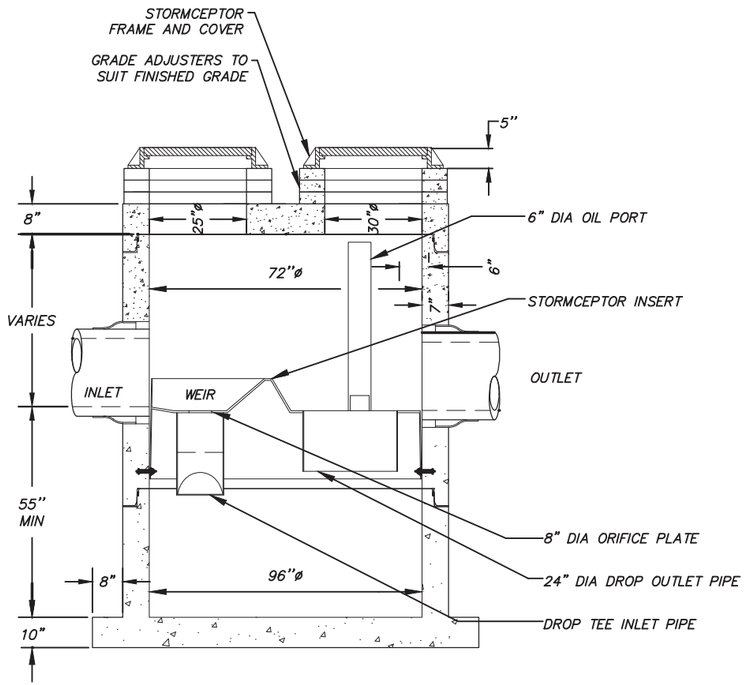
SCALE

DATE 4/11/14 GRID 2323 2324 2423 2424

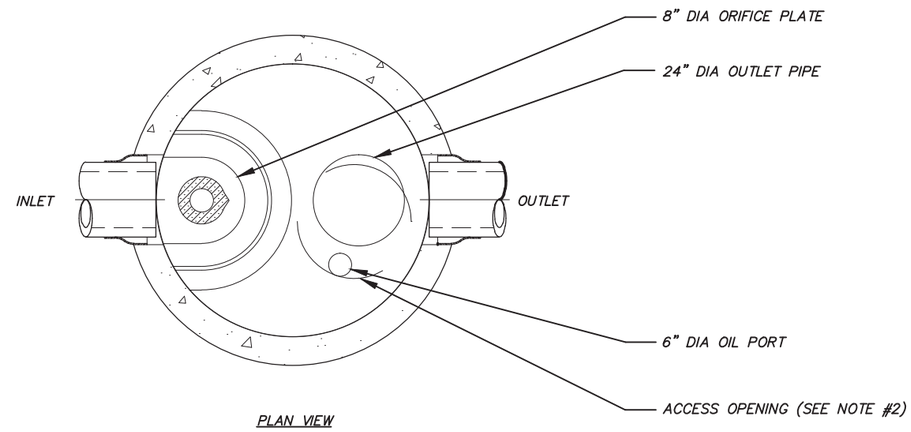
ACCT. NO.

SHEET 52 of 76

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-G-Driveways.dwg
Plotted: 4/11/2014 7:38 AM



SECTION THROUGH CHAMBER

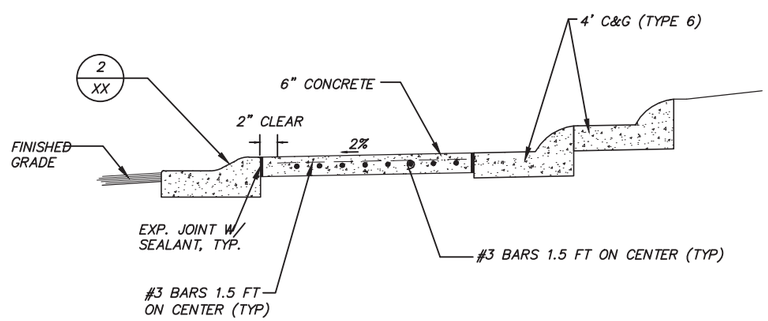


PLAN VIEW

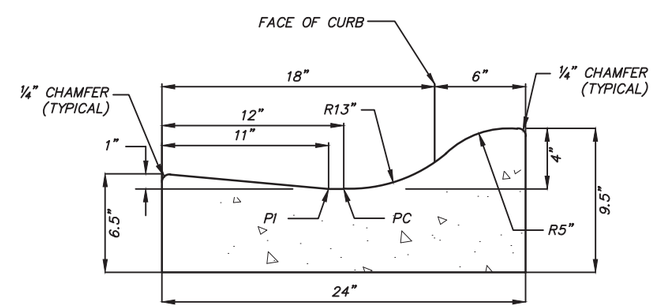
NOTES:

1. THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE 30"ø OPENING WILL BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL PORT. THE 25"ø OPENING WILL BE POSITIONED OVER THE INLET DROP TEE.
3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #8068765, #6371690.
4. CONTACT A CONCRETE PIPE DIVISION REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS DRAWING.
5. CONTRACTOR IS RESPONSIBLE TO MAKE ARRANGEMENTS WITH THE PRECASTER TO CAST THE "FILLET" PRIOR TO DELIVERY.
6. DIMENSIONS MAY VARY WITH LOCAL MANUFACTURER, D&S CONCRETE INC., 2140 E. 84TH COURT, ANCHORAGE, AK 99507.

1 / XX STORMCEPTOR STC 900
NTS



2 / XX TRUCK APRON CROSS-SECTION
NTS



3 / XX 4" ROUNDABOUT TRUCK APRON CURB & GUTTER
NTS

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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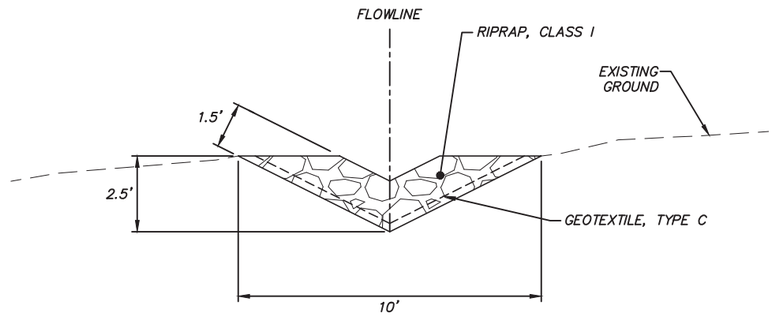
PROJECT MANAGEMENT AND ENGINEERING DIVISION

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

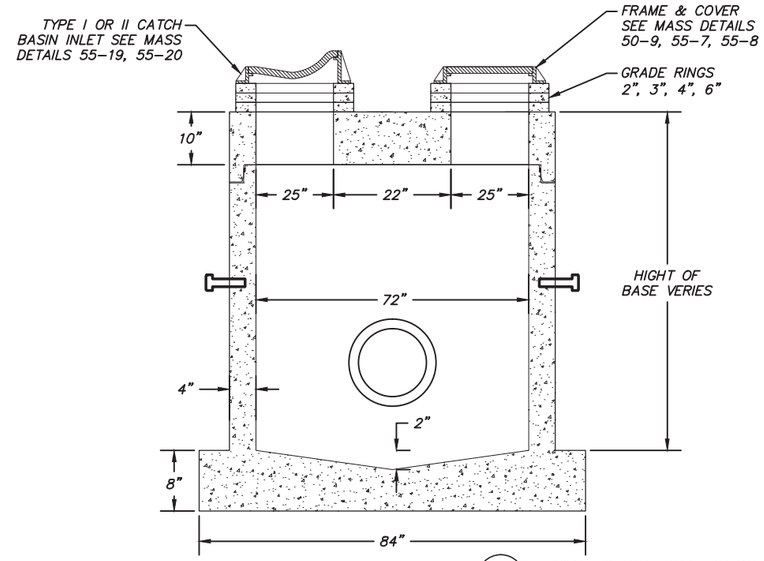
DETAILS

SCALE | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 53 of 76
ACCT. NO.

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-H-Details.dwg
Plotted: 4/11/2014 7:38 AM

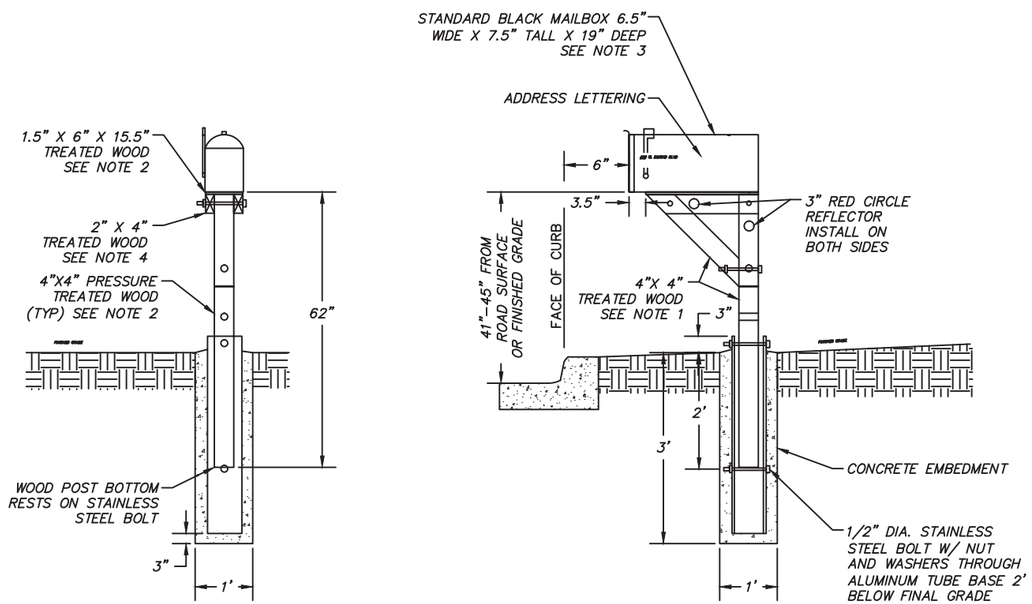


1/33 ROCK FLUME
NTS



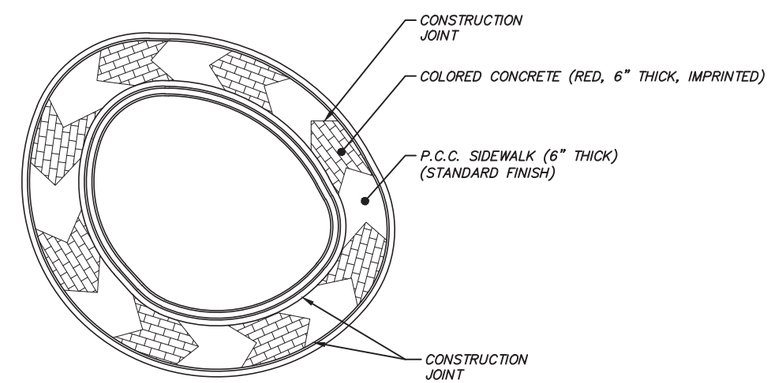
NOTES:
1. JOINTS TO BE SEALED WITH BESTFITT BUTYTIGHT JOINT SEALANT OR EQUAL
2. EZ LIFT PINS
3. WALLS ARE REINFORCED WITH 4" X 8" W7/W2.9 W.W.F.
4. BASE PAD IS REINFORCED WITH #4 REBAR AT 12" ON CENTER EACH WAY

2/XX TYPE II CATCH BASIN MANHOLE
NTS



NOTES:
1. CONTRACTOR SHALL FIELD VERIFY MAILBOX LOCATION AND PHYSICAL ADDRESS PRIOR TO ORDERING MATERIAL OR INSTALLATION.
2. ALL WOOD SHALL BE ALL WEATHER WOOD SEALED WITH A SEMI-TRANSPARENT OIL BASED STAIN BROWN IN COLOR. SUBMIT COLOR SAMPLE FOR APPROVAL.
3. CONTRACTOR SHALL COORDINATE WITH THE MOA AND ENGINEER IN THE FIELD REGARDING MAILBOX SUBSTITUTIONS OR MAILBOX SIZING, PRIOR TO ORDERING MATERIALS.
4. THE LOCATION OF EXISTING FEATURES AND UTILITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL ENCOUNTERED UTILITIES AND TO RECORD ANY CHANGES ON THE RECORD DRAWINGS.
5. CONTRACTOR SHALL INSTALL MAILBOX ADDRESS LABELS PER PLAN. ADDRESS LABELS SHALL BE A MINIMUM OF 1" IN HEIGHT AND INSTALLED ON THE WEST SIDE OF THE MAILBOX VISIBLE FROM ON COMING TRAFFIC. ADDRESS LABELS SHOULD BE CENTERED BOTH VERTICAL AND HORIZONTAL ON MAILBOX.
6. CONTRACTOR SHALL POUR CONCRETE PATHWAY AROUND THE PROPOSED MAILBOX POST.
7. CUT-OFF EXCESS BOLT AND FILE SMOOTH, AFTER TIGHTENING

3/XX MAILBOX INSTALLATION
NTS



4/XX ROUNDABOUT CHEVRON CONCRETE PATTERN LAYOUT
NTS

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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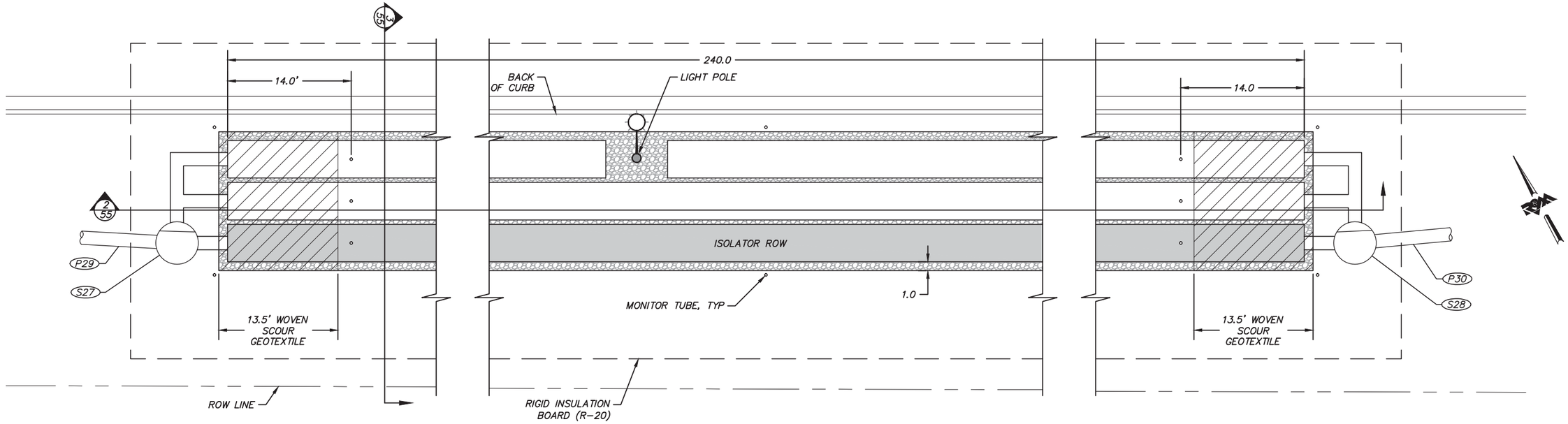
PROJECT MANAGEMENT AND ENGINEERING DIVISION

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

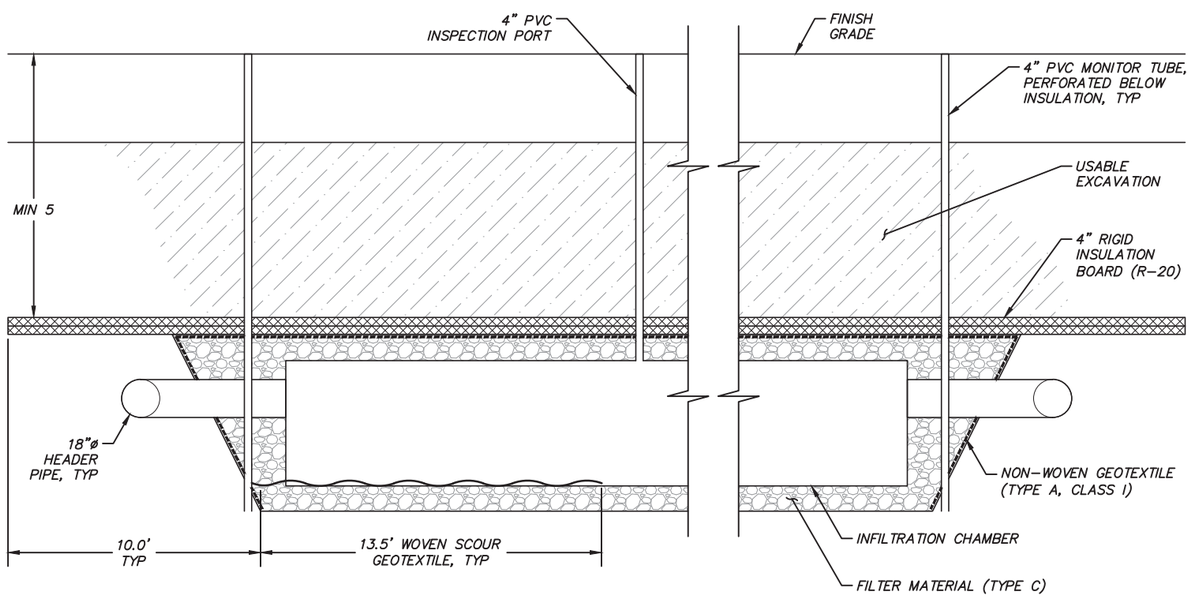
DETAILS

SCALE | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 54 of 76
ACCT. NO.

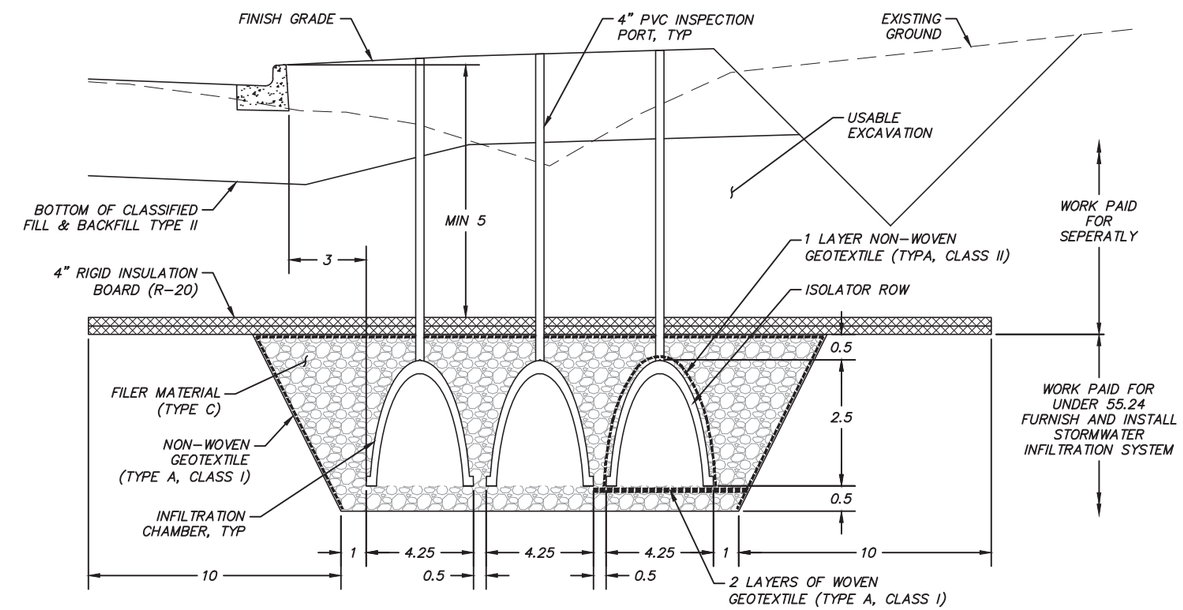
File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-H-Details.dwg
Plotted: 4/11/2014 7:39 AM



1/55 INFILTRATION SYSTEM PLAN VIEW
NTS



2/55 INFILTRATION SYSTEM SECTION
NTS



3/55 INFILTRATION SYSTEM SECTION
NTS

65% DESIGN
APRIL 2014

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-H-Details.dwg

Plotted: 4/11/2014 7:39 AM

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
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05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

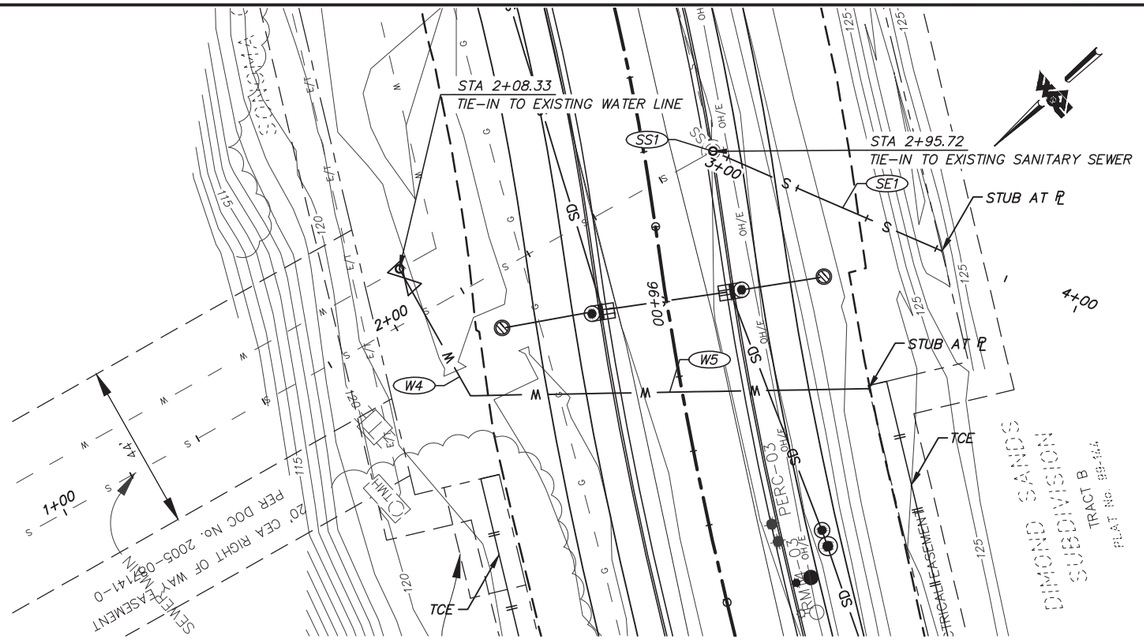
INFILTRATION SYSTEM DETAILS

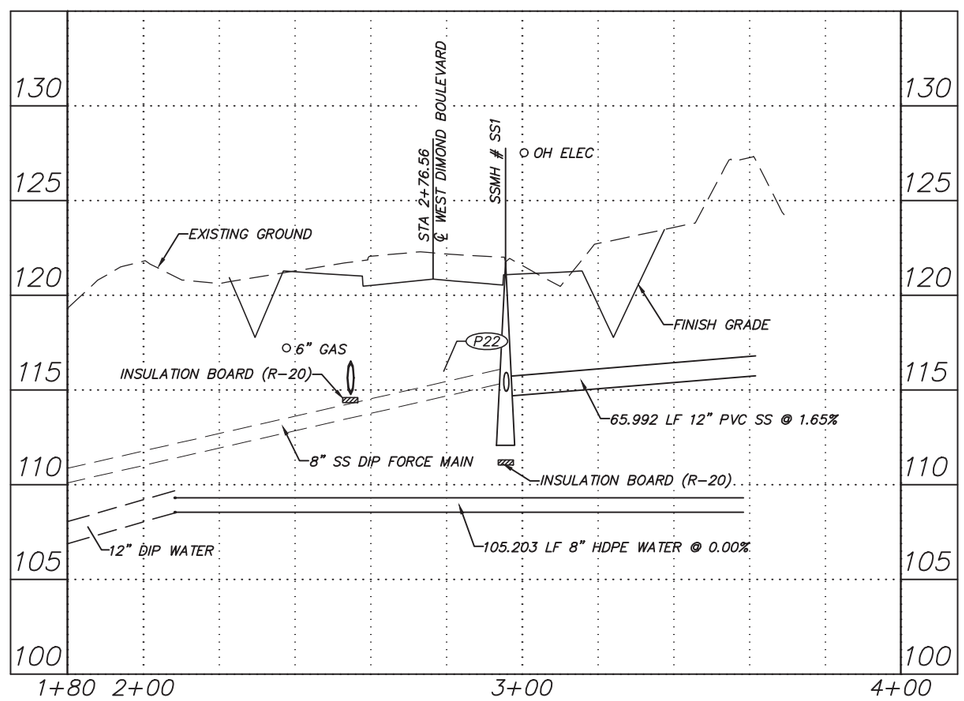
SCALE

DATE 4/11/14 GRID 2323 2324 2423 2424

ACCT. NO.

SHEET 55 of 76





DIMOND SANDS WATER & SEWER CONNECTION

SANITARY SEWER PIPE & STRUCTURE SCHEDULE					
NO.	SIZE	LENGTH	SLOPE (%)	FROM STRUCTURE	TO STRUCTURE
SS1					
SP1					

TO BE COMPLETED

WATER PIPE SCHEDULE					
NO.	SIZE	LENGTH	SLOPE (%)	FROM STRUCTURE	TO STRUCTURE
W4					
W5					

TO BE COMPLETED

0 20 40
SCALE IN FEET

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

GRADING TABLES
DIMOND SANDS WATER & SEWER DETAILS

SCALE 1:20 H 1:4 V | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 56 of 76
ACCT. NO.

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-G-Driveways.dwg

Plotted: 4/11/2014 7:39 AM

ELECTRICAL LEGEND

- ELECTROLIER
- TYPE 1A JUNCTION BOX
- TYPE 2 JUNCTION BOX
- LOAD CENTER
- X/Y — CIRCUIT BREAKER
- (M) — WATTHOUR METER

CIRCUIT AND DEVICE LEGEND

A–1 GROUP OR EQUIPMENT IDENTIFICATION.
"A" DENOTES PANEL NAME
"1" DENOTES CIRCUIT NUMBER

WIRING SCHEDULE

TAG	CONDUIT	WIRE
1	2 IN	1–3c#8
2	2 IN	2–3c#8
3	2 IN 2 IN	2–3c#8 1–3c#8

ABBREVIATIONS

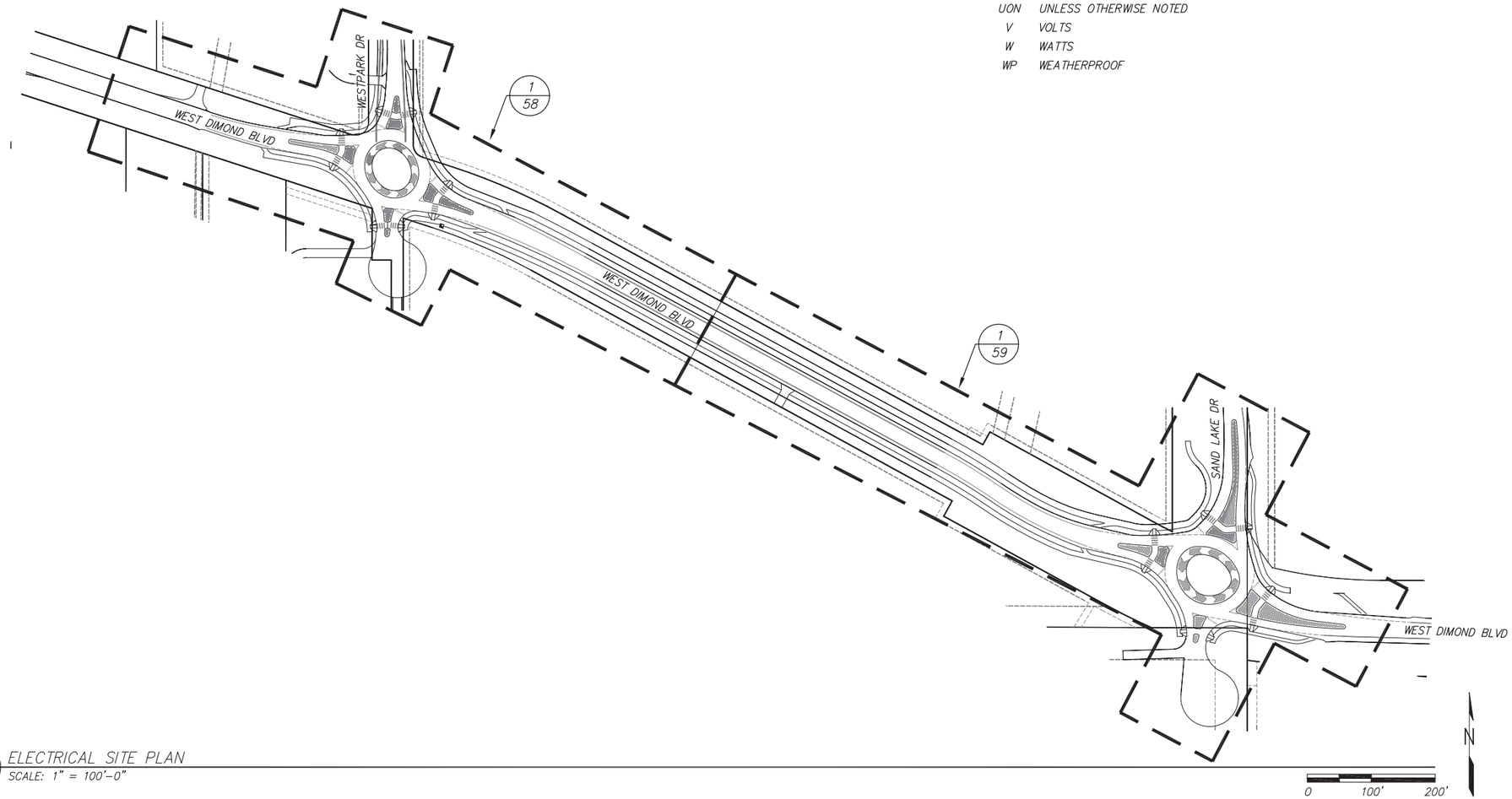
A	AMPERE
AFF	ABOVE FINISH FLOOR
BCU	BARE COPPER
C	CONDUIT
CEA	CHUGACH ELECTRIC ASSOCIATION
CU	COPPER
DOT	(ALASKA) DEPARTMENT OF TRANSPORTATION
G	GROUND CONDUCTOR
HDPE	HIGH DENSITY POLYETHYLENE CONDUIT
KVA	KILO–VOLT–AMPERES
LED	LIGHT–EMITTING DIODE
LU	LIGHTING UTILITY
MOA	MUNICIPALITY OF ANCHORAGE
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
RMC	(GALVANIZED) RIGID METAL CONDUIT
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
W	WATTS
WP	WEATHERPROOF

GENERAL ELECTRICAL NOTES

1. CALL BEFORE YOU DIG. HAVE ALL UTILITIES LOCATED PRIOR TO STARTING WORK. IMMEDIATELY NOTIFY THE ENGINEER IN THE EVENT OF CONFLICTS.
2. ELECTRICAL IMPROVEMENTS ARE NOT PERMITTED TO BE INSTALLED OUTSIDE OF THE RIGHT–OF–WAY OR WITHIN A UTILITY EASEMENT. IMMEDIATELY NOTIFY THE ENGINEER IN THE EVENT OF CONFLICTS.
3. COORDINATE LOAD CENTER INSTALLATIONS WITH CEA PRIOR TO INSTALLATION. INSTALLATIONS DEVIATING FROM THE PLANS SHALL BE APPROVED BY CEA AND THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. HDPE CONDUIT IS PERMITTED TO BE USED EXCEPT UNDER PAVED AREAS. INSTALL HDPE ACCORDING TO MASS 80.07 AND THE SPECIAL PROVISIONS. RMC SHALL BE INSTALLED UNDER ALL PAVED AREAS.
5. COORDINATE WITH CEA FOR THE REMOVAL OF EXISTING ELECTROLIERS ON SOUTH SIDE OF WEST DIMOND. WORK TO BE PAID FOR BY OTHERS.
6. COORDINATE SALVAGE OF EXISTING ELECTROLIERS AND LOAD CENTER AT INTERSECTION OF WEST DIMOND AND SAND LAKE WITH DOT. WORK SHALL BE PAID FOR UNDER SECTION 80.28.
7. PROVIDE SCOTCH CAL 220 DECALS ON EXTERIOR OF NEW LOAD CENTER DENOTING OWNER (MOA) AND PURPOSE (LU).
8. PROVIDE ARC FLASH WARNING LABELS WITH INCIDENT ENERGY LEVEL VALUES AND PERSONNEL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS ON EACH PIECE OF EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.16 AND NFPA 70E.
9. PROVIDE LABELS INDICATING MAXIMUM AVAILABLE FAULT CURRENT ON EACH PIECE OF SERVICE EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 110.24.
10. DELIVER THE FOLLOWING ADDITIONAL EQUIPMENT TO MOA STREET LIGHT MAINTENANCE (343–8242):
    - 5EA 27FT LUMINAIRE POLES
    - 5EA 12FT LUMINAIRE POLE ARMS
    - 5EA 60–LED LUMINAIRES

I CERTIFY THAT THE NEW ROADWAY ILLUMINATION LAYOUTS MEET THE REQUIREMENTS OF CHAPTER 5 OF THE DESIGN CRITERIA MANUAL USING THE LUMINANCE METHOD SHOWN ON TABLE 5–2. I CERTIFY THAT THE NEW INTERSECTION LAYOUTS MEET THE ILLUMINATION REQUIREMENTS OF CHAPTER 5 OF THE DESIGN CRITERIA MANUAL USING THE ILLUMINANCE METHOD SHOWN ON TABLE 5–5.

(RNP SIGNATURE)



1/57 ELECTRICAL SITE PLAN
SCALE: 1" = 100'–0"

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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SEAL

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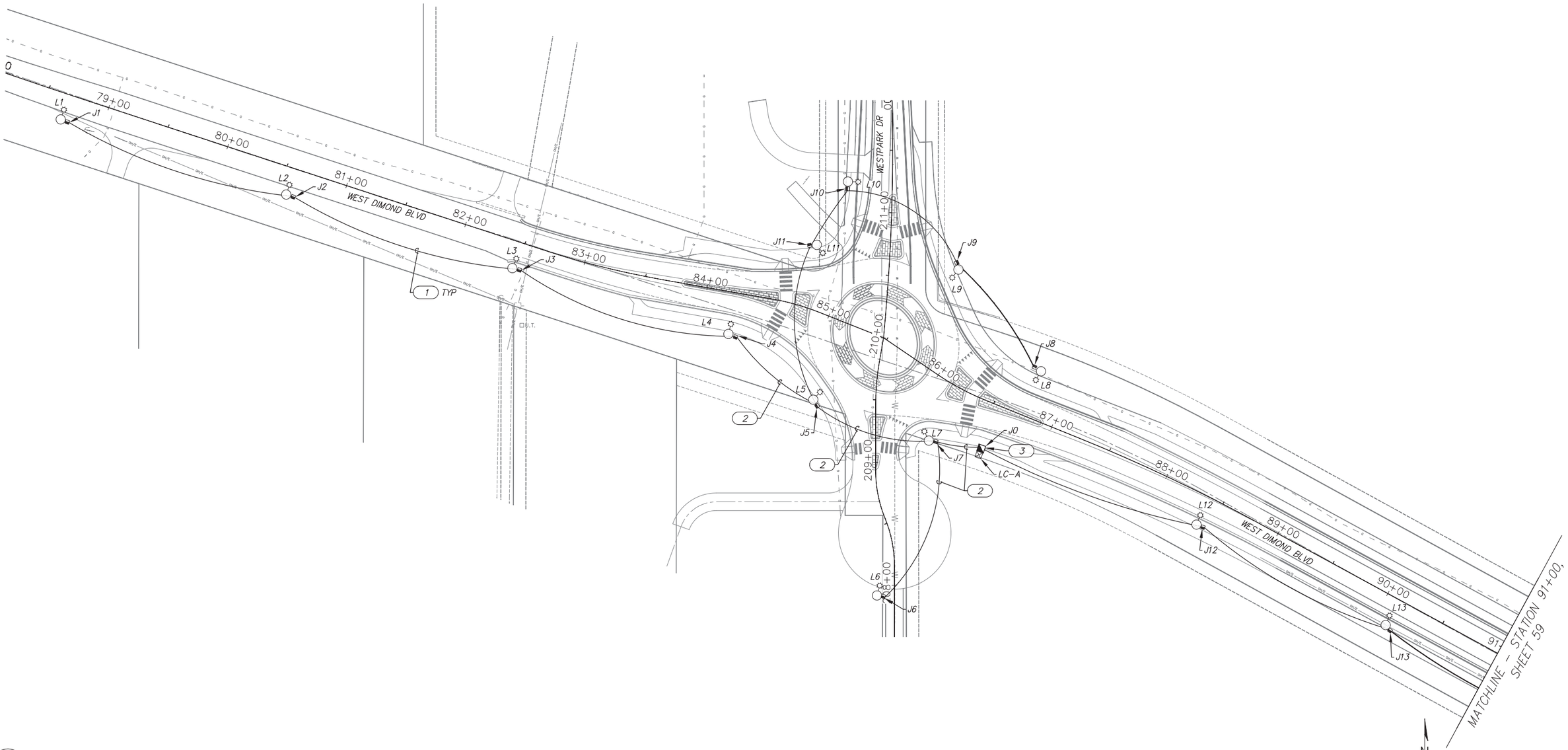
PROJECT MANAGEMENT AND ENGINEERING DIVISION

05–05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

ELECTRICAL LEGEND, ABBREVIATIONS, AND SITE PLAN

SCALE | DATE 4/3/14 | GRID 2323 2324 2423 2424 | SHEET 57 of 76
ACCT. NO.

File Location: P:\Projects\RAM\west dimond lighting\Dwgs\Elec\61 LOAD CENTER SCHEDULE.dwg
Plotted: 4/3/2014 4:46 PM



1 / 58 ILLUMINATION PLAN

SCALE: 1" = 40'-0"

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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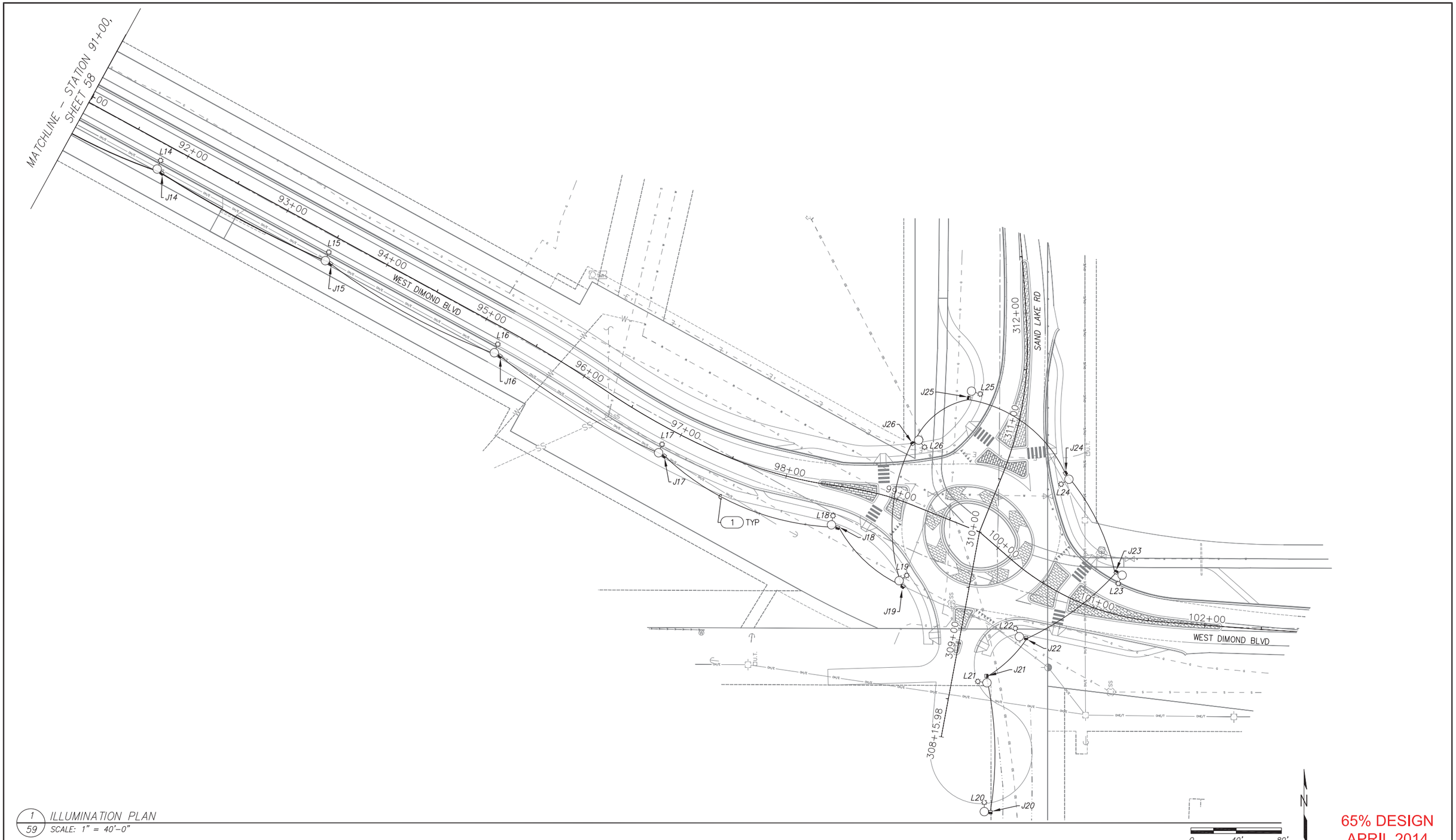
05-05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

ILLUMINATION PLAN

SCALE | DATE 4/3/14 | GRID 2323 2324 2423 2424 | SHEET 58 of 76
ACCT. NO.

File Location: P:\Projects\RAM\west dimond lighting\Dwgs\Elec\61 LOAD CENTER SCHEDULE.dwg

Plotted: 4/3/2014 4:46 PM



1 / 59 ILLUMINATION PLAN
SCALE: 1" = 40'-0"

65% DESIGN
APRIL 2014

File Location: P:\Projects\RAM\west dimond lighting\Dwgs\Elec\61 LOAD CENTER SCHEDULE.dwg

Plotted: 4/3/2014 4:47 PM

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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

ILLUMINATION PLAN

SCALE

DATE 4/3/14 GRID 2323 2324 2423 2424

ACCT. NO.

SHEET 59 of 76

ELECTROLIER SCHEDULE

POLE	STATIONING	OFFSET	WATTS	VOLTS	POLE HEIGHT	ARM LENGTH	LIGHTING DISTRIBUTION	BASE TYPE	CIRCUIT	SHEET NO.	NOTES
L1			134W	480V	27FT	12.0	M-C-3	FIXED	A-5,7	58	
L2			134W	480V	27FT	12.0	M-C-3	FIXED	A-5,7	58	
L3			134W	480V	27FT	12.0	M-C-3	FIXED	A-5,7	58	
L4			229W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L5			229W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L6			134W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L7			229W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L8			229W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L9			229W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L10			229W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L11			229W	480V	27FT	12.0	M-C-3	FIXED	A-6,8	58	
L12			134W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	58	
L13			134W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	58	
L14			134W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L15			134W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L16			134W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L17			134W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L18			274W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L19			274W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L20			183W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L21			274W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L22			274W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L23			274W	480V	30FT	–	M-C-3	FIXED	A-2,4	59	45° POLE
L24			274W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L25			274W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	
L26			274W	480V	27FT	12.0	M-C-3	FIXED	A-2,4	59	

STATIONING IS APPROXIMATE, POSITION SHOULD BE VERIFIED BY FIELD ENGINEER.

MAST ARM SHALL BE PERPENDICULAR TO ROADWAY CENTERLINE UNLESS OTHERWISE NOTED.

JUNCTION BOX SCHEDULE

J-BOX#	STATIONING	OFFSET	TYPE
J0			2
J1			1A
J2			1A
J3			1A
J4			1A
J5			1A
J6			1A
J7			1A
J8			1A
J9			1A
J10			1A
J11			1A
J12			1A
J13			1A
J14			1A
J15			1A
J16			1A
J17			1A
J18			1A
J19			1A
J20			1A
J21			1A
J22			1A
J23			1A

STATIONING IS APPROXIMATE, POSITION SHOULD BE VERIFIED BY FIELD ENGINEER

LUMINAIRE SCHEDULE

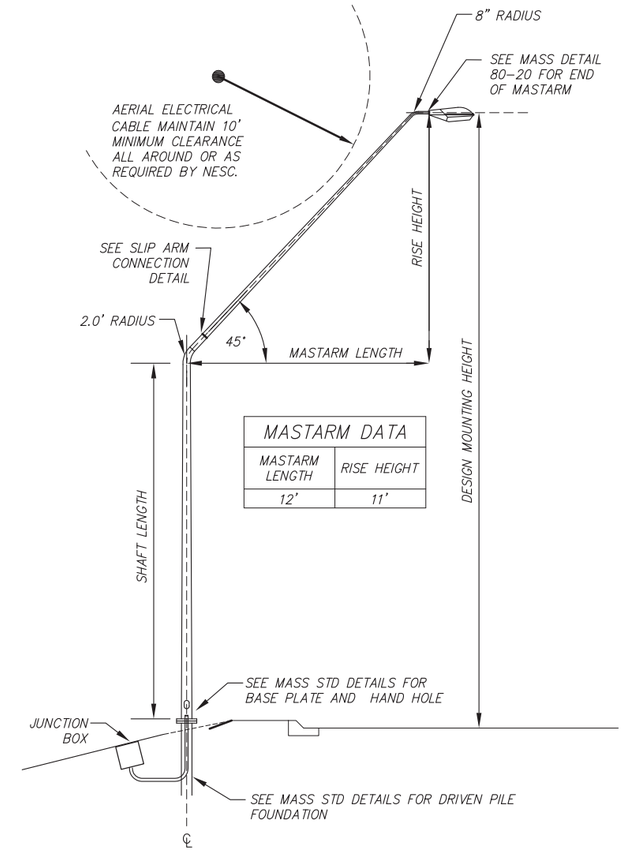
MANUFACTURER	BETALED OR APPROVED EQUAL
MODEL	LEDWAY, GENERATION E
LIGHT SOURCE	LED
WATTAGE	134W
LED COUNT	60
COLOR TEMP	4,000K
MINIMUM CRI	70
INITIAL OUTPUT	10,666 LUM
DRIVE CURRRENT	700MA
VOLTAGE	480V
PHOTOCELL	NO
LENS TYPE	CUT OFF
IES DISTRIBUTION	M-C-3
UL LISTED	YES
SHIELDED	YES
WARRANTY	10 YEARS

LUMINAIRE SCHEDULE

MANUFACTURER	BETALED OR APPROVED EQUAL
MODEL	LEDWAY, GENERATION E
LIGHT SOURCE	LED
WATTAGE	229W
LED COUNT	100
COLOR TEMP	4,000K
MINIMUM CRI	70
INITIAL OUTPUT	17,769 LUM
DRIVE CURRRENT	700MA
VOLTAGE	480V
PHOTOCELL	NO
LENS TYPE	CUT OFF
IES DISTRIBUTION	M-C-3
UL LISTED	YES
SHIELDED	NO
WARRANTY	10 YEARS

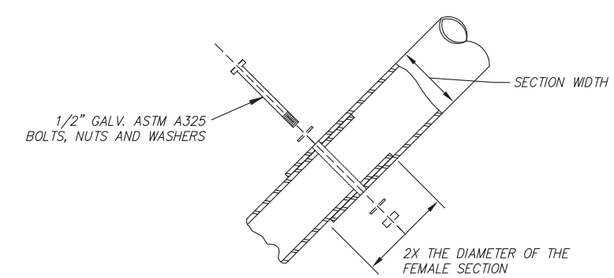
LUMINAIRE SCHEDULE

MANUFACTURER	BETALED OR APPROVED EQUAL
MODEL	LEDWAY, GENERATION E
LIGHT SOURCE	LED
WATTAGE	274W
LED COUNT	120
COLOR TEMP	4,000K
MINIMUM CRI	70
INITIAL OUTPUT	21,190 LUM
DRIVE CURRRENT	700MA
VOLTAGE	480V
PHOTOCELL	NO
LENS TYPE	CUT OFF
IES DISTRIBUTION	M-C-3
UL LISTED	YES
SHIELDED	NO
WARRANTY	10 YEARS



MASTARM DATA	
MASTARM LENGTH	RISE HEIGHT
12'	11'

1/60 45° ELECTROLIER ELEVATION
SCALE: NTS



2/60 SLIP CONNECTION DETAIL
SCALE: NTS

LOAD CENTER SCHEDULE

LC#	STATIONING	OFFSET	TYPE	VOLTAGE	SHEET NO.
A			1A	480/240V	58

STATIONING IS APPROXIMATE, POSITION SHOULD BE VERIFIED BY FIELD ENGINEER

INTERSECTION ILLUMINANCE – WEST DIMOND BLVD

CROSS STREET	AVERAGE ILLUMINANCE	UNIFORMITY (AVE/MIN)	IESNA INTERSECTION TYPE	PEDESTRIAN CONFLICT
SAND LAKE	2.61	2.80:1	MAJOR/MAJOR	MEDIUM
WESTPARK	2.25	2.41:1	MAJOR/COLLECTOR	MEDIUM

LUMINAIRE PERFORMANCE CRITERIA

POLE TYPE	MAST ARM
LAMP	LED
LED COUNT	60
LIGHT LOSS FACTOR	0.80
AIMING ANGLE	0
NUMBER OF LANES	2
ROAD WIDTH	22 FT
MEDIAN WIDTH	0 FT
MOUNTING HEIGHT	30 FT
ARM LENGTH	12 FT
SETBACK	12 FT
SPACING	170 FT
AVERAGE LUMINANCE	0.53 CD/M²
UNIFORMITY (AVE/MIN)	1.77:1
UNIFORMITY (MAX/MIN)	3.67:1
VEILING LUMINANCE	0.27

65% DESIGN
APRIL 2014

File Location: P:\Projects\RAM\West Dimond Lighting\Dwgs\Elec\61 LOAD CENTER SCHEDULE.dwg
Plotted: 4/11/2014 9:15 AM

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

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

LIGHTING SCHEDULES

SCALE | DATE 4/11/14 | GRID 2323 2324 2423 2424 | SHEET 60 of 76
ACCT. NO.

SUMMARY OF LOAD CENTER LC–A

LOAD CENTER TYPE:	1A
SERVING UTILITY:	CEA
SERVICE CONDUIT TYPE:	RIGID METAL CONDUIT
LOCATION DATA	
LOAD CENTER:	SEE SHEET 60 FOR STATIONING
POWER SOURCE:	NEW LINE EXTENSION
PHOTOELECTRIC CONTROL:	AT LOAD CENTER
SERVICE VOLTAGE	1 PHASE, 3 WIRE, 480/240 VOLTS AC WITH GROUNDED NEUTRAL
PROVIDE METER SOCKET?	YES
MAIN BREAKER A:	480 VOLT, 2 POLE, 100 AMPERES
CONTACTOR:	600V, 12–POLE

PANEL A

POLE	AMP TRIP	DESCRIPTION	POLE KVA	AØ	BØ	POLE KVA	DESCRIPTION	AMP TRIP	POLE
1	15/2	PHOTOCELL	0.1	1.3		1.2	LIGHTING, WEST DIMOND EAST*	20/2	2
3			0.0		1.2	1.2			4
5	20/2	LIGHTING, WEST DIMOND WEST*	0.2	0.8		0.6	LIGHTING, WESTPARK ROUNDABOUT*	20/2	6
7			0.2		0.8	0.6			8
9			0.0	0.0		0.0			10
11			0.0		0.0	0.0			12
13			0.0	0.0		0.0			14
* CIRCUIT THROUGH CONTACTOR			2.1	2.0		TOTAL KVA			4.1
						AMPS			8.5

VOLTAGE DROP CALCULATION – LC–A

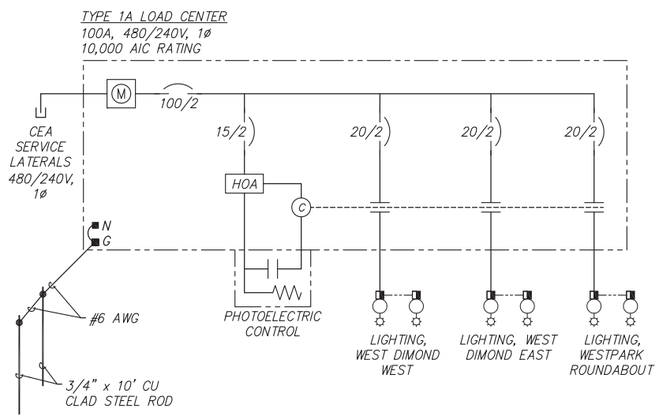
480V AC IN A 1–PH, 3 WIRE CONFIGURATION WITH A POWER–FACTOR OF 0.8, 1 COPPER CONDUCTOR PER PHASE IN A RMC. TEMPERATURE RATING 75°C.

CKT #	SEGMENT SIZE (AWG)	SEGMENT LENGTH (FT)	LOAD (KVA)	TOTAL (AMPS)	SEG. (%VD)
5,7	#8	800	2.30	4.79	2.65
2,4	#8	560	2.40	5.00	2.72
6,8	#8	560	0.58	1.21	0.19

SHORT CIRCUIT CALCULATION – LC–A

480V AC IN A 1–PH, 3 WIRE CONFIGURATION, 1 COPPER CONDUCTOR PER PHASE IN A RMC. TEMPERATURE RATING 75°C.

ANTICIPATED TRANSFORMER RATING	50KVA
VOLTAGE	480/240V
TRANSFORMER IMPEDANCE	1.2%
LET–THRU SHORT CIRCUIT CURRENT	8,681A
LENGTH TO FAULT	40FT
SERVICE CONDUCTOR SIZE	1/0 AL
CONDUIT	NON–MAGNETIC
"C" CONSTANT	5,838
LINE–LINE FAULT	6,957A
LINE–NEUTRAL FAULT	7,468A



1 / 61 LOAD CENTER "A" POWER ONE–LINE
SCALE: NTS

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APRIL 2014

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DESIGN				BASE			TELEPHONE										
				TOPOGRAPHY			ELECTRIC										
STAKING				PROFILE			CABLE TV										
				SANITARY SEWER			DESIGN										
ASBUILT				STORM SEWER			QUANTITIES										
CONTRACTOR	BASIS OF THIS DATUM			WATER			MUN. FINAL CHK.										
INSPECTOR				GAS													
CONSTRUCTION RECORD	VERTICAL DATUM			PLAN CHECK						REVISIONS							

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

05–05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

LOAD CENTER SCHEDULE

SCALE | DATE 4/3/14 | GRID 2323 2324 2423 2424 | SHEET 61 of 76
ACCT. NO.

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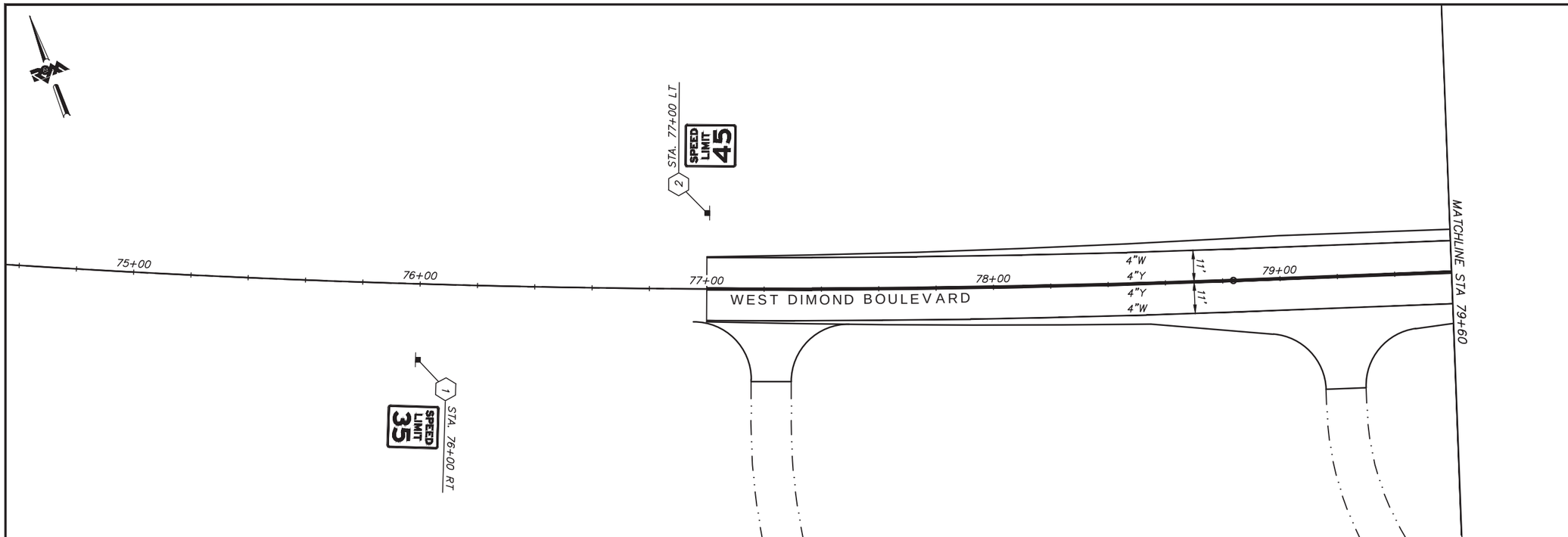

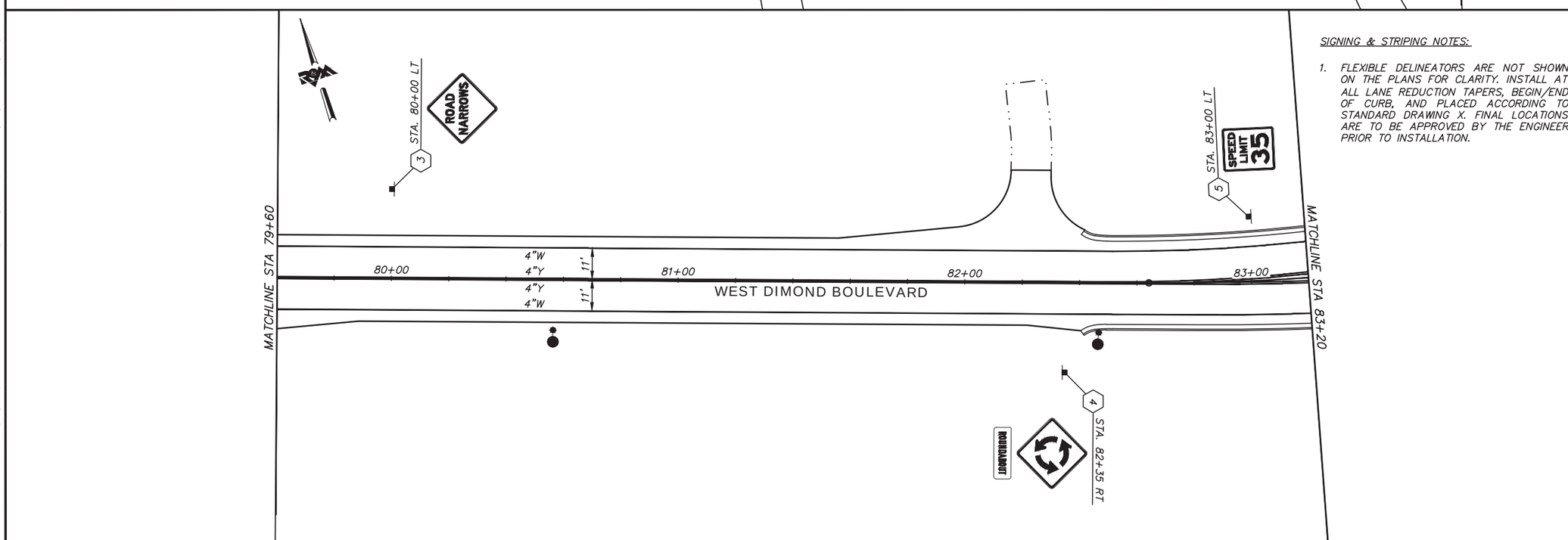

SIGNING & STRIPING NOTES:

1. FLEXIBLE DELINEATORS ARE NOT SHOWN ON THE PLANS FOR CLARITY. INSTALL AT ALL LANE REDUCTION TAPERS, BEGIN/END OF CURB, AND PLACED ACCORDING TO STANDARD DRAWING X. FINAL LOCATIONS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

BEFORE YOU DIG
CALL FOR FREE
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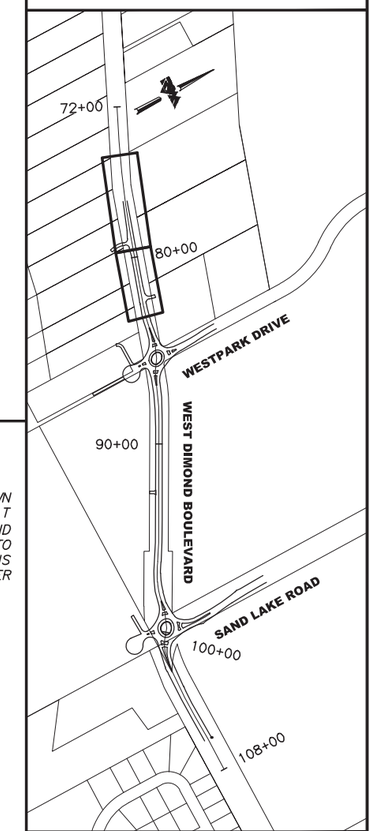
LOCATION

LOCATE CALL CENTER OF ALASKA STATEWIDE ..... 800-478-3121 WILL NOTIFY SUBSCRIBED UTILITIES ONLY. OTHER UTILITIES NEED TO BE CONTACTED INDIVIDUALLY.



KEYMAP

65% DESIGN
APRIL 2014

0 20 40
SCALE IN FEET

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
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05–05
WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

SIGNING & STRIPING PLAN
BOP TO STA 83+20

SCALE 1:20 H 1:4 V | DATE | GRID 2323 2324 2423 2424 | SHEET 62 of 76
ACCT. NO.

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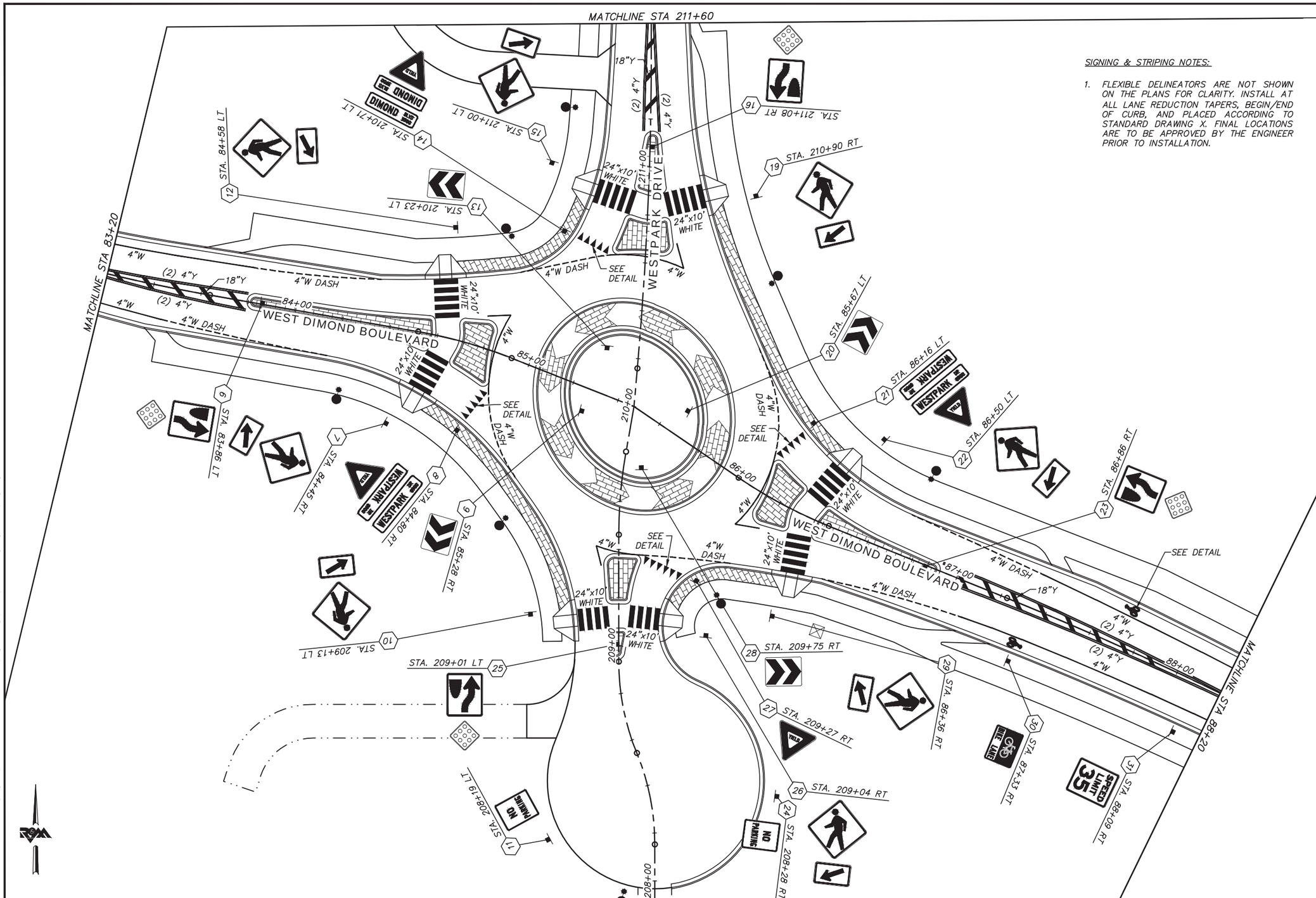

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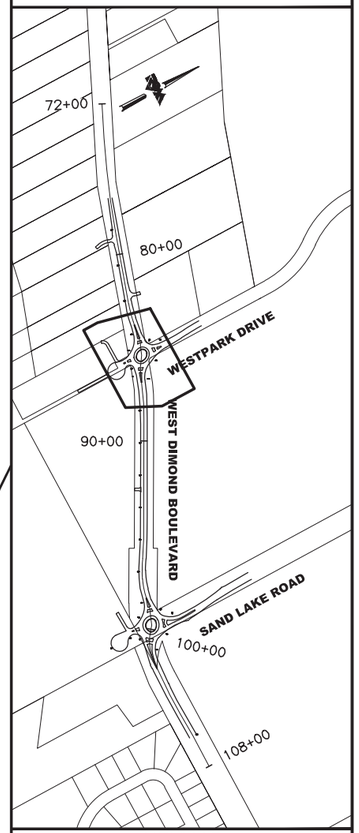

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05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

SIGNING & STRIPING PLAN
WESTPARK ROUNDABOUT

SCALE 1:20 H 1:4 V | DATE | GRID 2333 2324 2423 2424 | SHEET 63 of 76
ACCT. NO.

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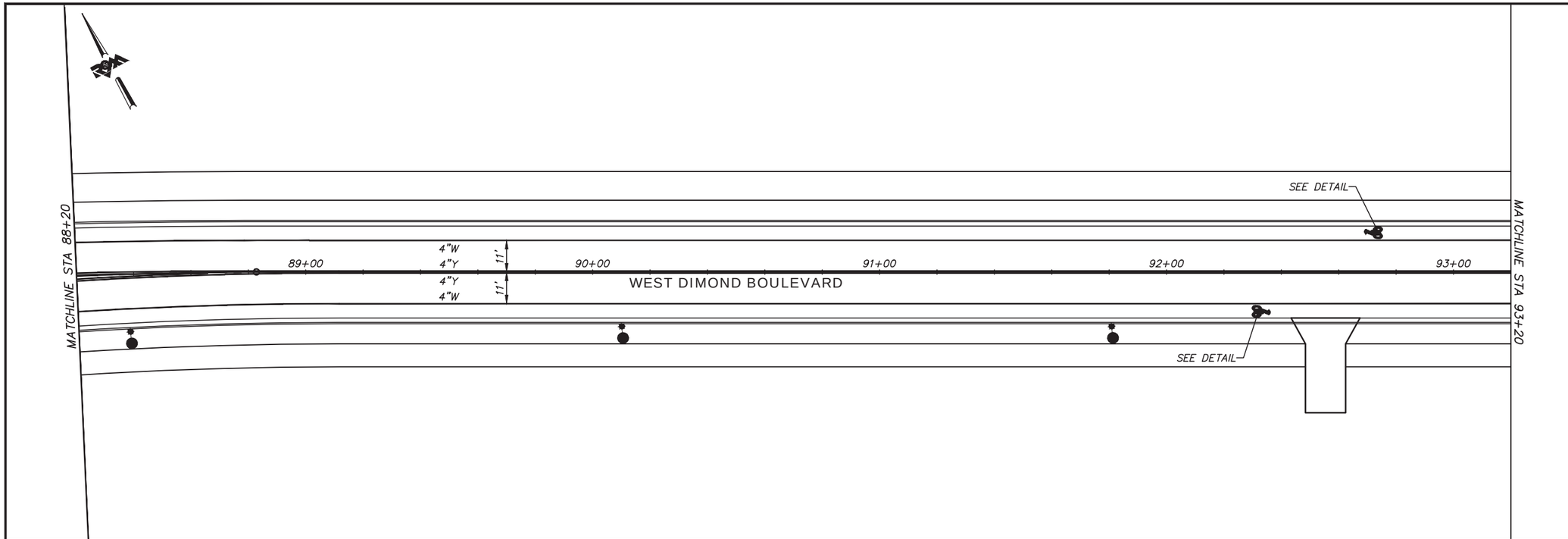

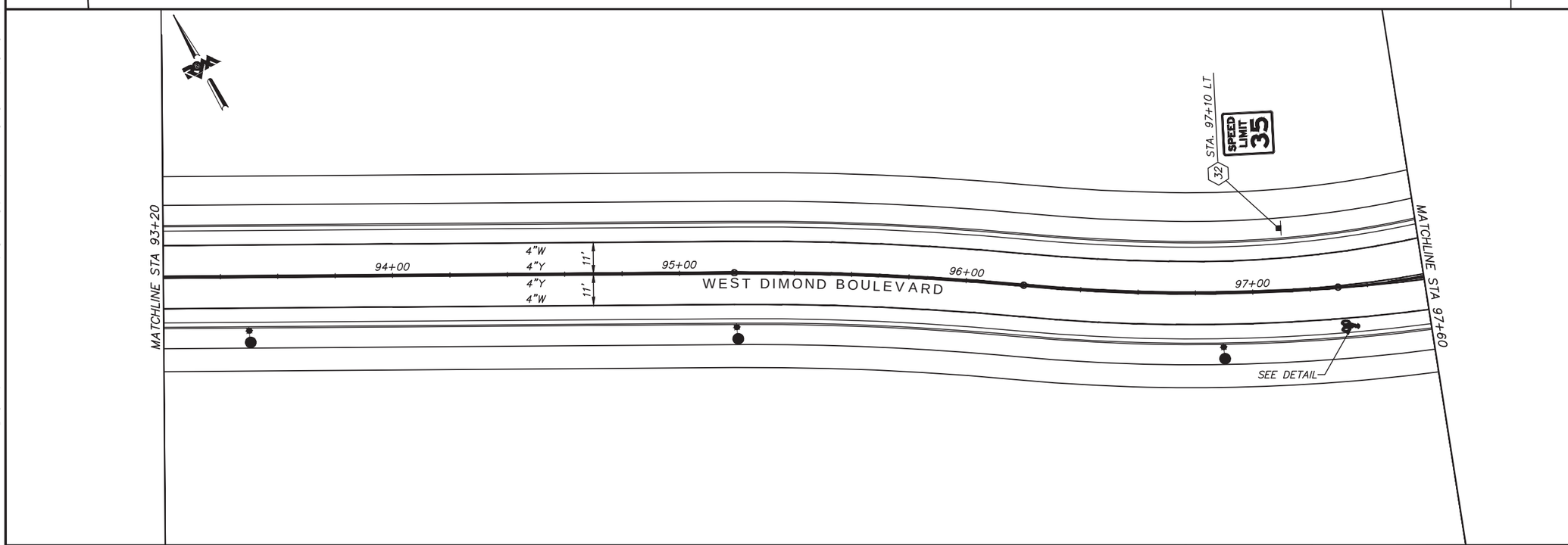

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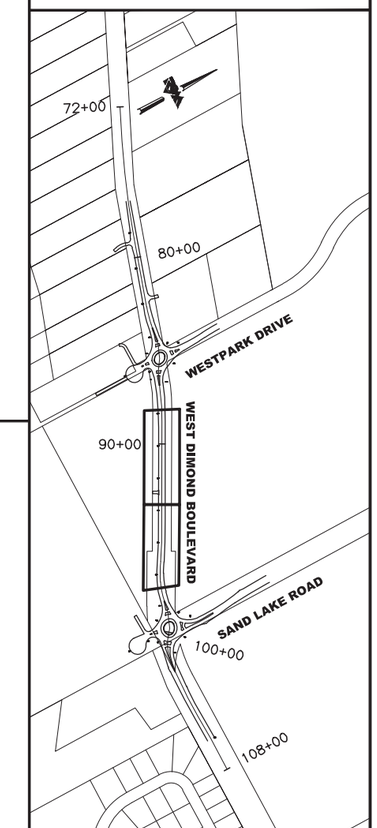

KEYMAP

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APRIL 2014

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05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

SIGNING & STRIPING PLAN
STA 88+20 TO STA 97+60

SCALE 1:20 H 1:4 V | DATE | GRID 2323 2324 2423 2424 | SHEET 64 of 76
ACCT. NO.

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-L-Signing & Striping.dwg

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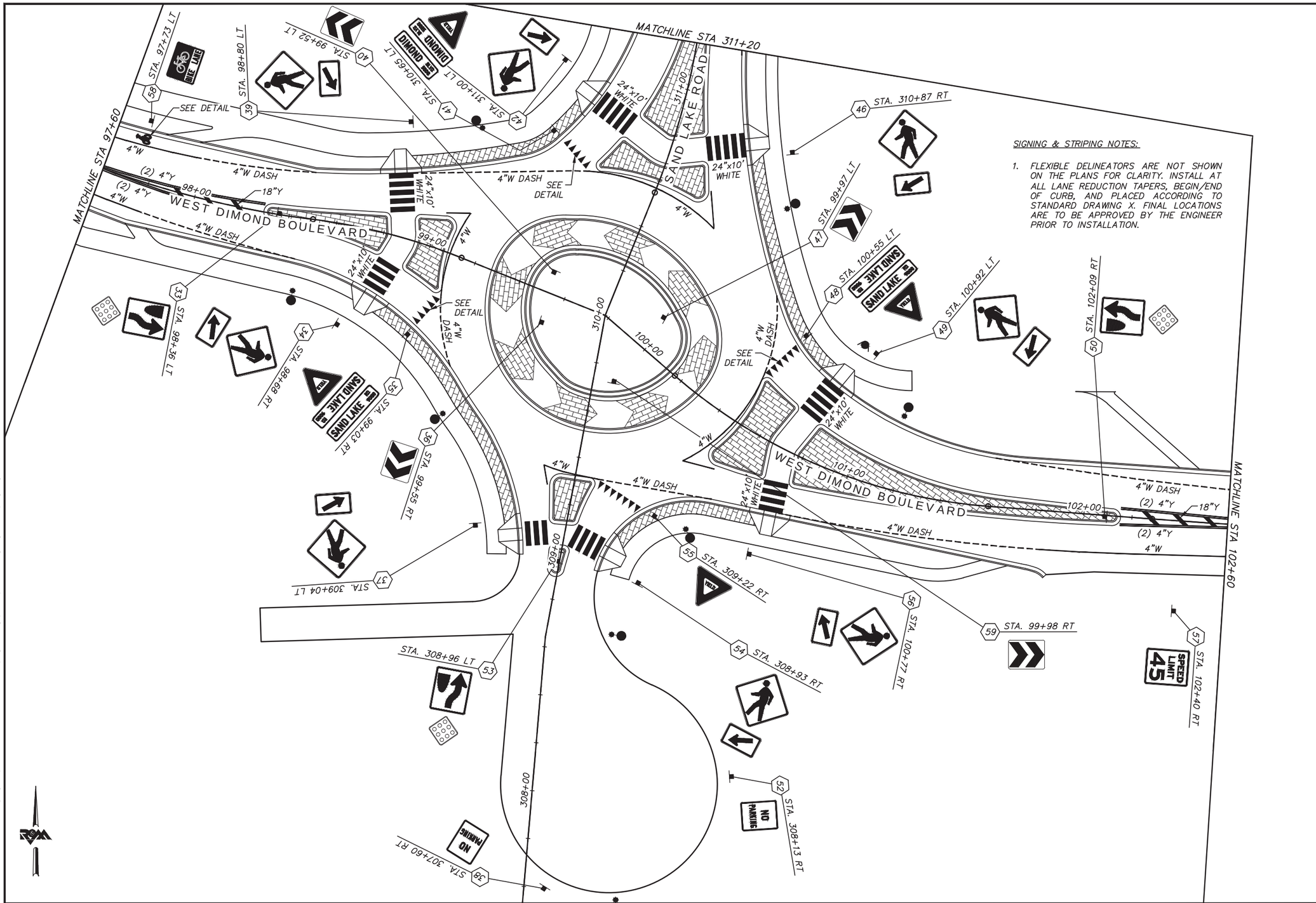

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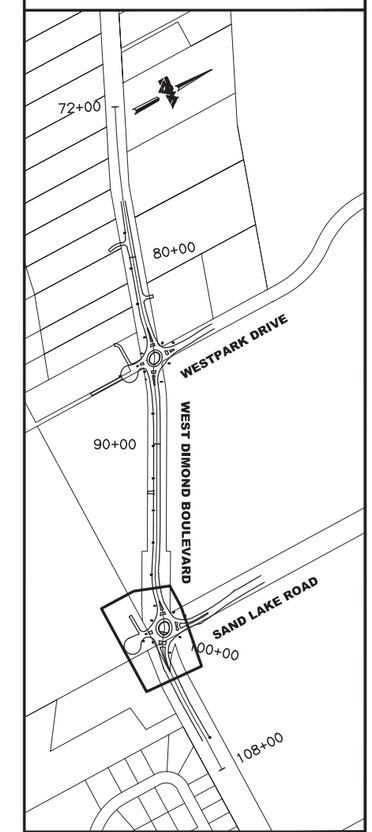

KEYMAP

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

SIGNING & STRIPING PLAN
SAND LAKE ROUNDABOUT

SCALE 1:20 H 1:4 V | DATE | GRID 2323 2324 2423 2424 | SHEET 65 of 76
ACCT. NO.

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-L-Signing & Striping.dwg

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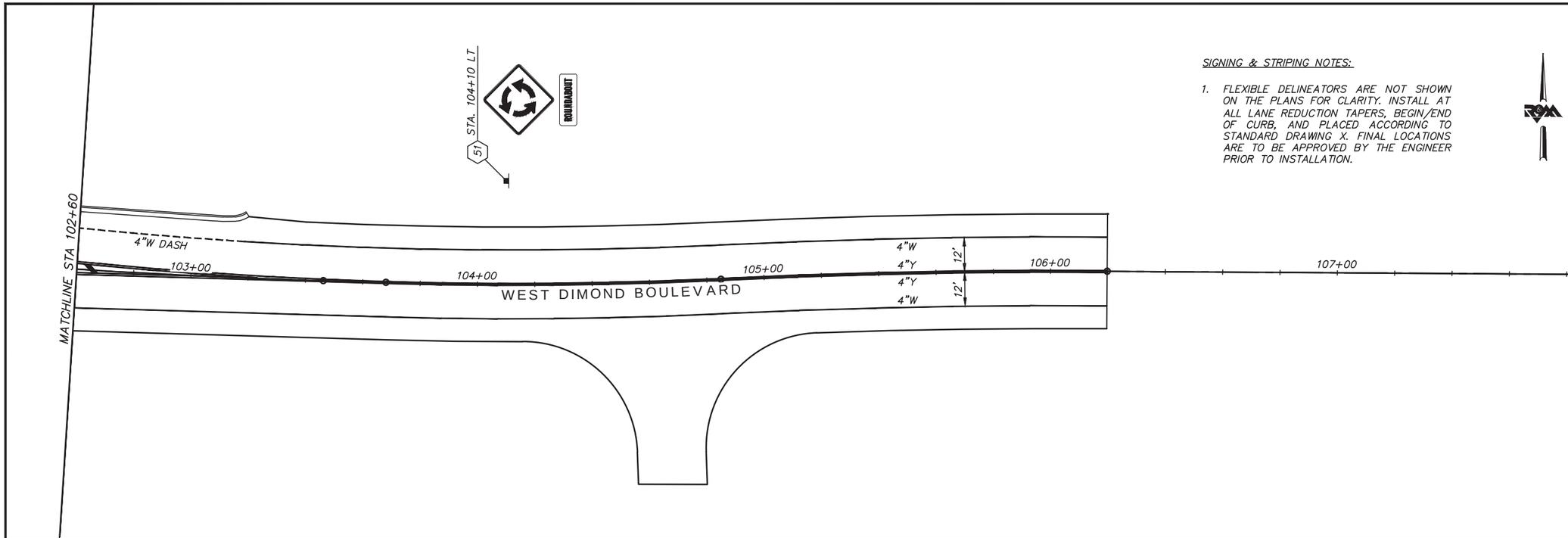

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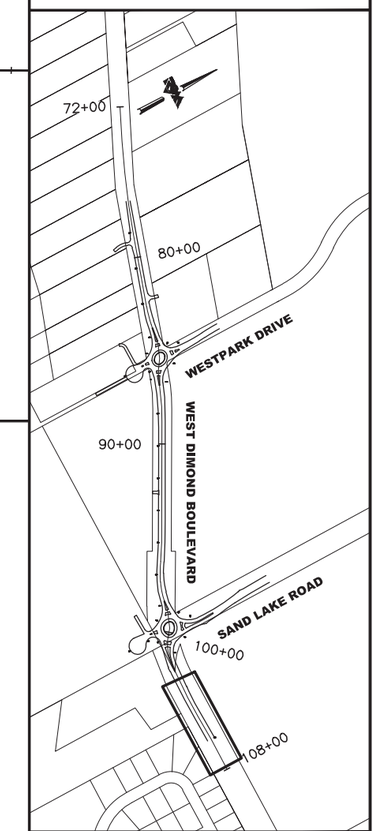

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05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

SIGNING & STRIPING PLAN
STA 102+60 TO EOP

SCALE 1:20 H 1:4 V | DATE | GRID 2323 2324 2423 2424 | SHEET 66 of 76
ACCT. NO.

SIGNING & STRIPING NOTES:

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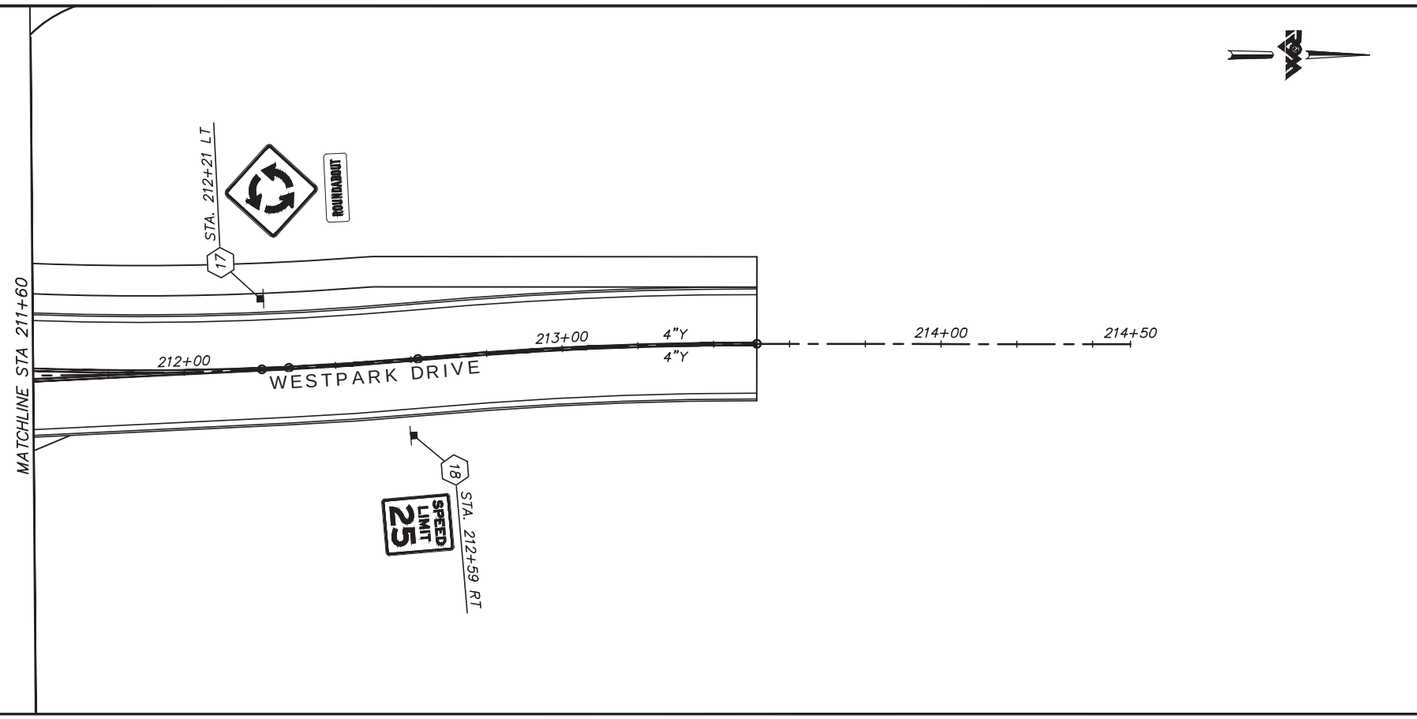

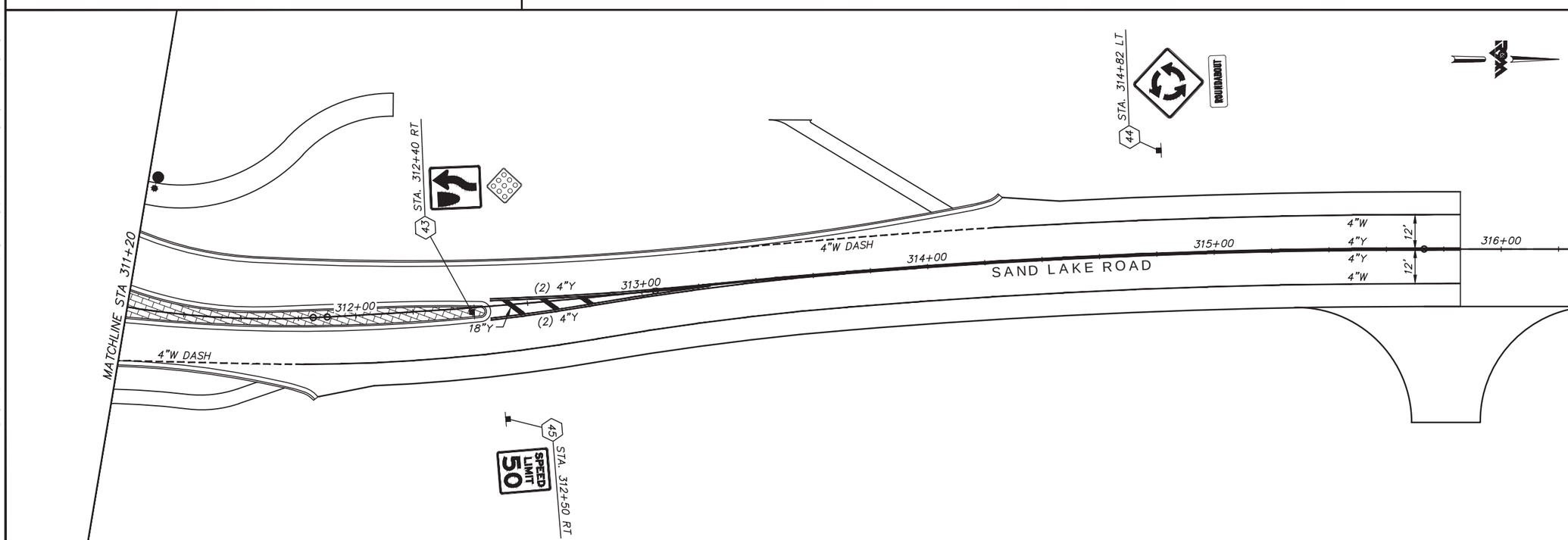

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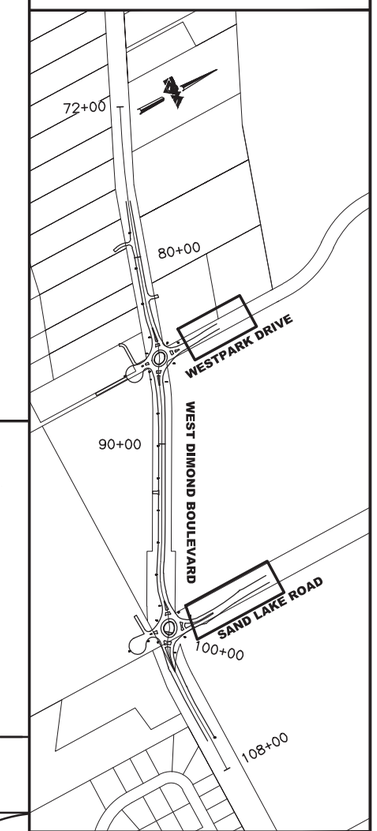

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APRIL 2014

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

SIGNING & STRIPING PLAN
WESTPARK DR & SAND LAKE RD

SCALE 1:20 H 1:4 V | DATE | GRID 2323 2324 2423 2424 | SHEET 67 of 76
ACCT. NO.

File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-L-Signing & Striping.dwg

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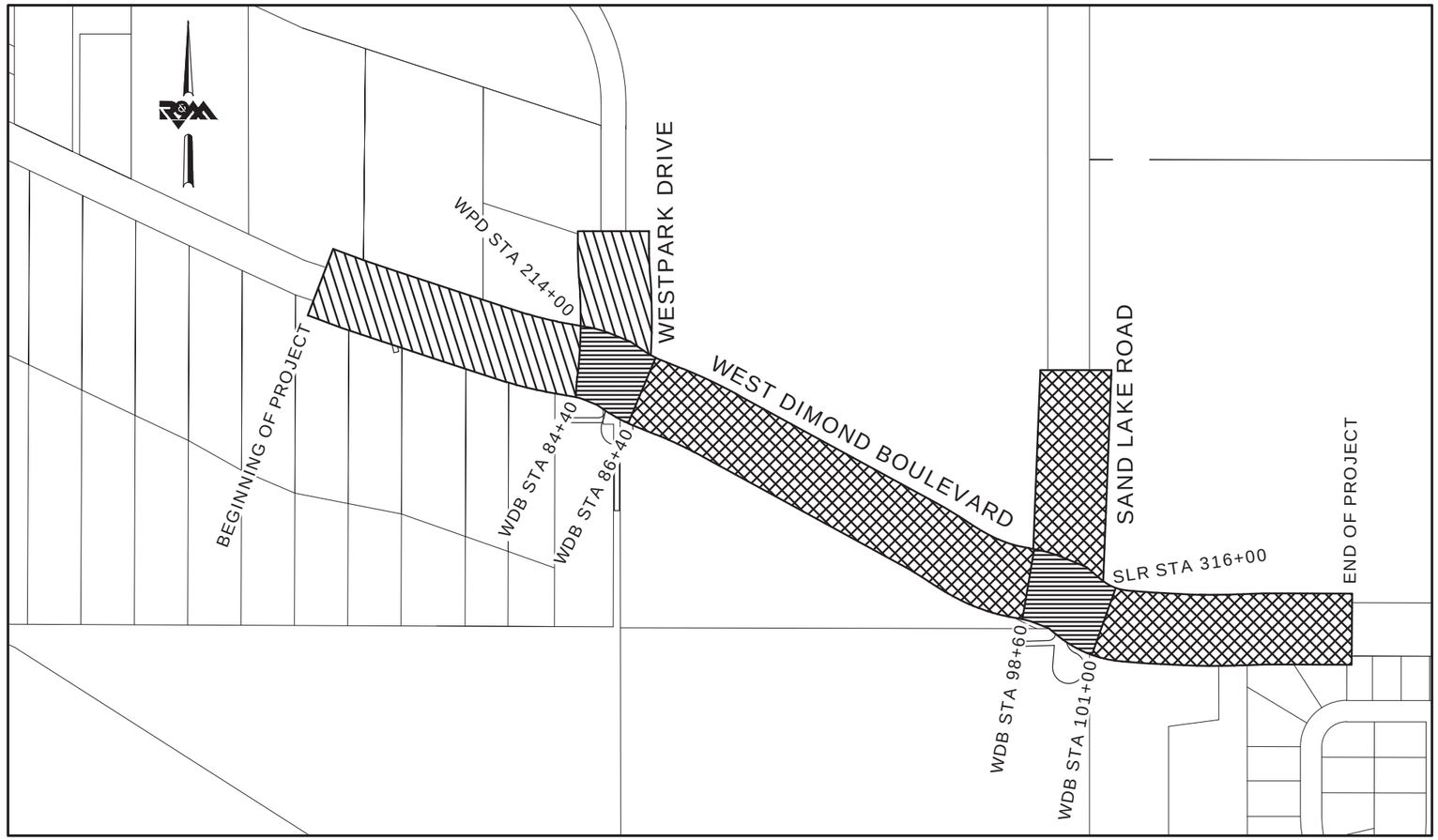

STRIPING MATERIALS AND APPLICATION KEY MAP

STRIPING MATERIALS LEGEND:

- INLAID MMA 90 MILS
- INLAID MMA 125 MILS
- INLAID MMA 500 MILS

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APRIL 2014

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INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

R&M Consultants, Inc.
9101 Vanguard Drive
Anchorage, Alaska 99507
907 522 1707 voice
907 522 3404 fax
www.rmconsult.com

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

05–05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

STRIPING MATERIALS AND APPLICATION KEY MAP

SCALE | DATE | GRID 2323 2324 2423 2424 | SHEET 68 of 76
ACCT. NO.

File Location: Z:\project\1317.01– West Dimond Blvd\Engineering\Acad\1317–L–Signing & Striping.dwg

Plotted: 4/11/2014 10:49 AM

SIGN SUMMARY

SHEET SUMMARY	POST NUMBER	ALIGNMENT	EXISTING SIGN LOCATION		RELOATED OR NEW SIGN LOCATION		TYPE	LEGEND	SIZE WXH (IN)	STANDARD SIGN AREA	FRAMED	SIGN FACES	THICKNESS	POST SIZE NO., SIZE TYPE	NEW SIGN	RELOCATE EXISTING SIGN	SALVAGE SIGN	REMARKS
			STATION	OFFSET	STATION	OFFSET				(FT^2)					(EACH)	(EACH)	(EACH)	
SUBTOTAL THIS SHEET										NEW SIGN (SF)					(EACH)	(EACH)	(EACH)	

TO BE COMPLETED

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
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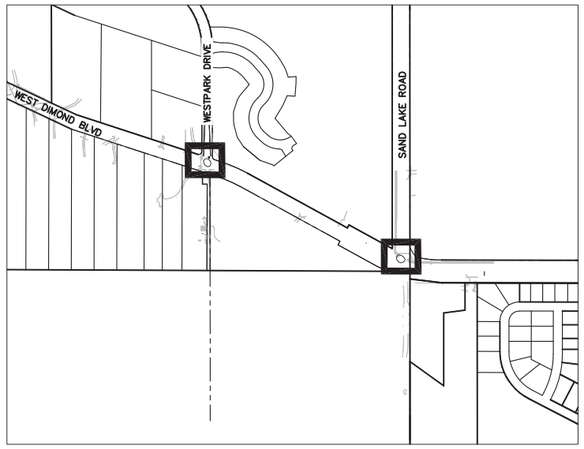
05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

SIGN SUMMARY TABLE

SCALE | DATE | GRID 2323 2324 2423 2424 | SHEET 69 of 76
ACCT. NO.

Plotted: 4/11/2014 10:49 AM File Location: Z:\project\1317.01- West Dimond Blvd\Engineering\Acad\1317-L-Signing & Striping.dwg



Key Location Map

Scale: 1"=500'
0 150 500 1000
north

Plant Schedule

Common Name	Botanical Name	Quantity: Roundabouts	Quantity: Wall opt.	Spacing (min.)	Size	Notes
Trees						
Birch	Betula papyrifera	20	2	8' o.c.	3"-4" cal.	See note 2
Crabapple	Malus baccata	0	1	as shown	3" cal.	
Spruce	Picea glauca	16	0	8' o.c.	6' tall	Nursery grown
Shrubs						
Dogwood, Red Twig	Cornus sericea	82	0	4' o.c.	36" tall	
Lilac	Syringa vulgaris	0	5	4' o.c.	36" tall	
Spirea, Goldflame	Spirea bumalda 'Goldflame'	240	41	2' o.c.	24" tall	
Perennials						
Mixed species (Iris, Bergenia, Salvia, Lily, & Yarrow)		0	540	12"o.c.	1 gal.	

Notes

1. All plants shall meet American Standard for Nursery Stock (ANSI) Z60.1-2004 (American Nursery & Landscape Association (ANLA) 1200 G St., NW, Suite 800 Washington, DC 20005 www.anla.org)

2. Birch to be 50% single stem and 50% Birch, Clump. Birch, Clump to include birch with min. 3 trunks with 3 to 4 inch calipers each. All Birch shall be full with a canopy no less than one half the overall height.

3. Mulch continuously throughout all planting beds with 3" shredded bark mulch. Keep mulch 6" away from stems and trunks. Transition mulch to edging and adjacent surfaces. See mulch limit detail.

4. Topsoil and seed all disturbed areas, see civil for work limits. DO NOT SEED PLANTING BEDS. Topsoil depth shall be 4". On 2:1 and steeper slopes use BFM & MASS Schedule B (between path and ROW) and MASS Schedule D (between path and curb).

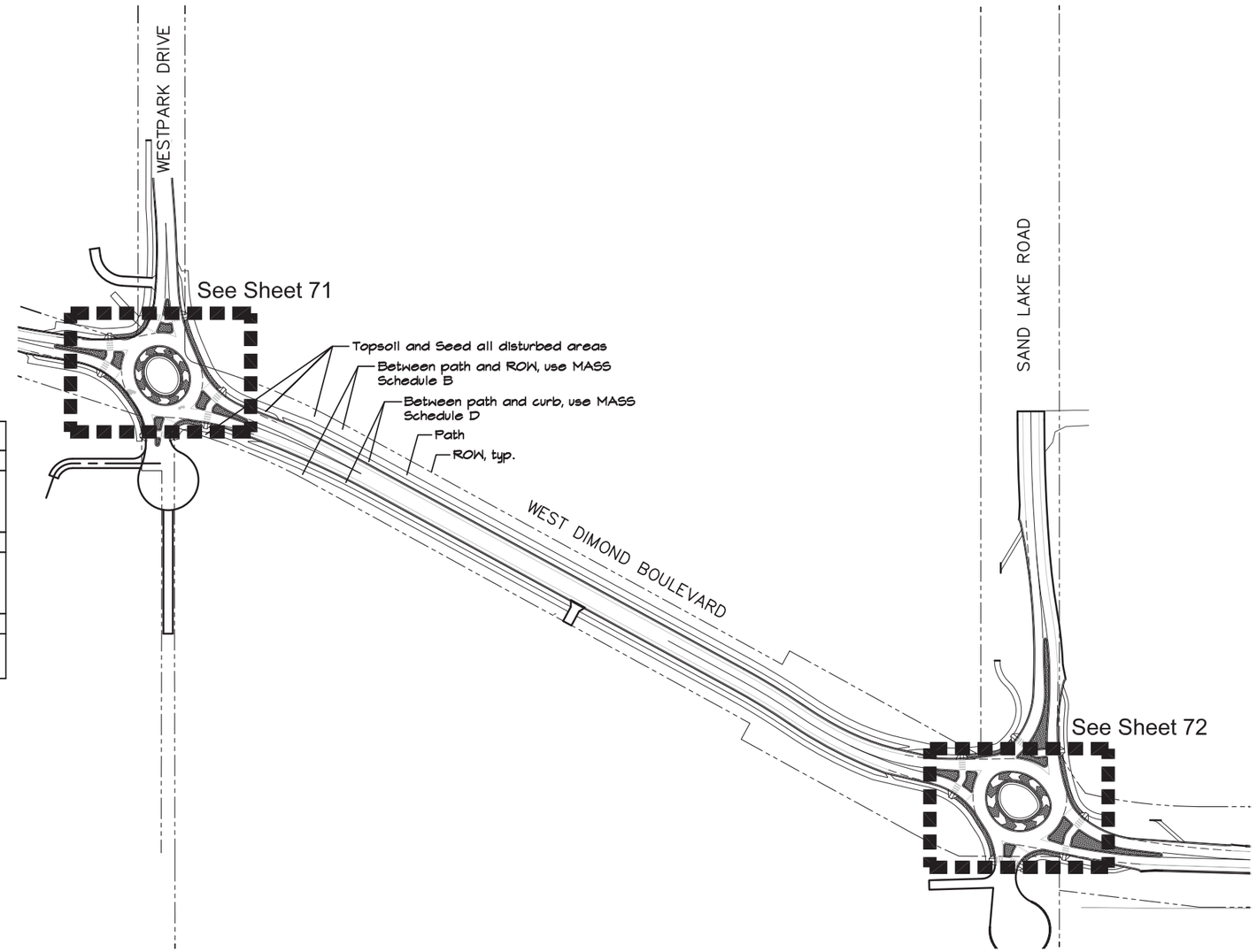
5. See planting details for additional information.

6. Height to spread ratio of evergreen trees equal 5 (height):3 (spread). Evergreens to be fully branched to ground.

Boulder Schedule

Symbol	Type	Size	Quantity
	Large	4'x5'x5'	1
	Medium	3'x3'x4'	4
	Small	2'x3'x3'	4

Note:
See Detail 2, Sheet T5. Location and orientation to be under direction of the Landscape Architect. Boulders to be gray to dark gray angular rock with natural fractures. Drill holes shall not be visible.



West Dimond Boulevard Landscape Key

Scale: 1"=100'
100 0 50 100 200
north

65% DESIGN
APRIL 2014

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				TOPOGRAPHY			ELECTRIC										
STAKING				PROFILE			CABLE TV										
				SANITARY SEWER			DESIGN										
ASBUILT				STORM SEWER			QUANTITIES										
CONTRACTOR	BASIS OF THIS DATUM			WATER			MUN. FINAL CHK.										
INSPECTOR				GAS													
CONSTRUCTION RECORD	VERTICAL DATUM			PLAN CHECK						REVISIONS							

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PROJECT MANAGEMENT AND ENGINEERING DIVISION

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

LANDSCAPE PLAN

SCALE
DATE 4/10/14 GRID 2323 2324 2423 2424
ACCT. NO.
SHEET 70 of 76

File Location: H:\1Projects\West Dimond blvd\65%-West Dimond Blvd\L-1 West Dimond Blvd-65.14%.dwg
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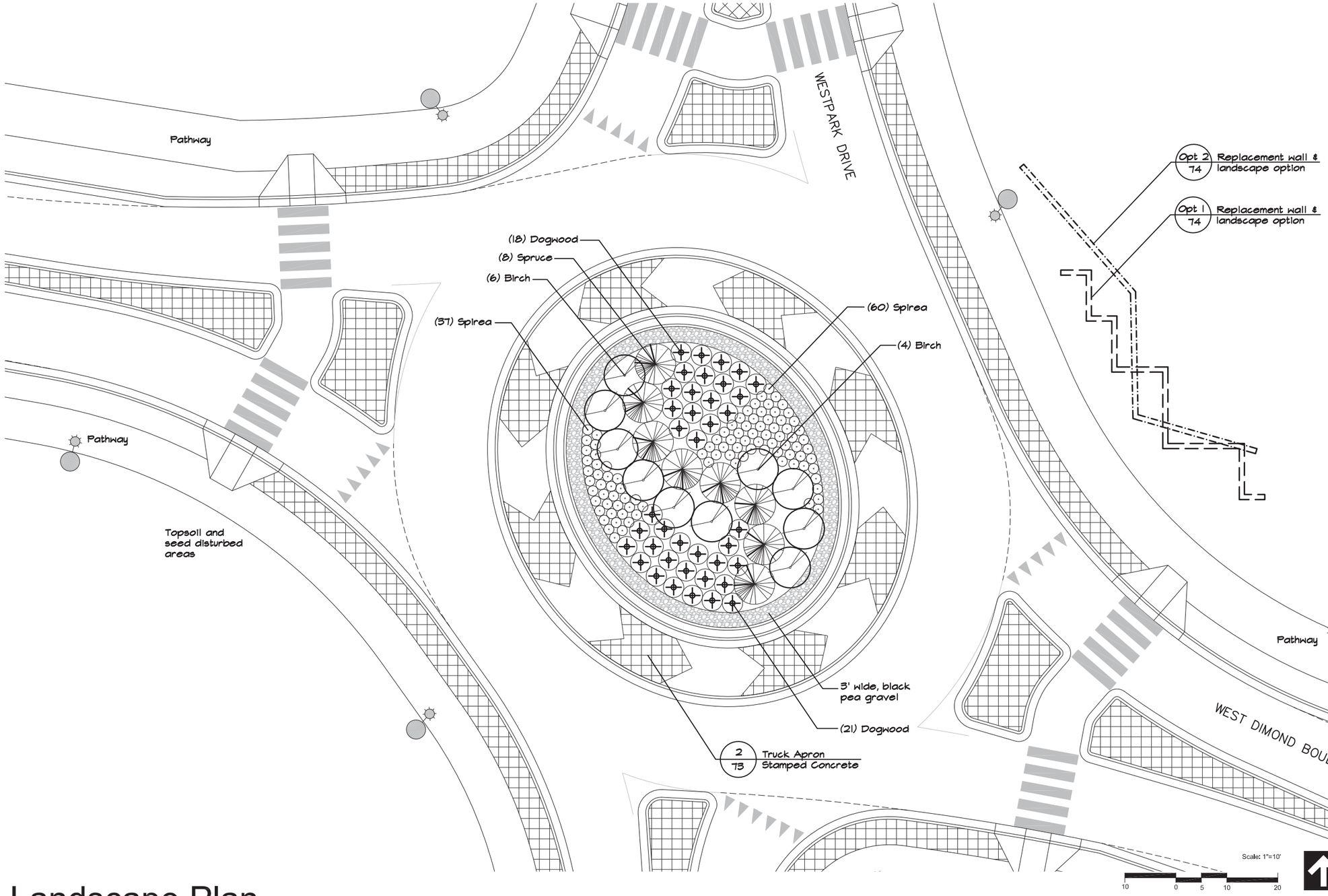

Landscape Plan

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
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05-05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

LANDSCAPE PLAN

SCALE | DATE 4/10/14 | GRID 2323 2324 2423 2424 | ACCT. NO. | SHEET 71 of 76

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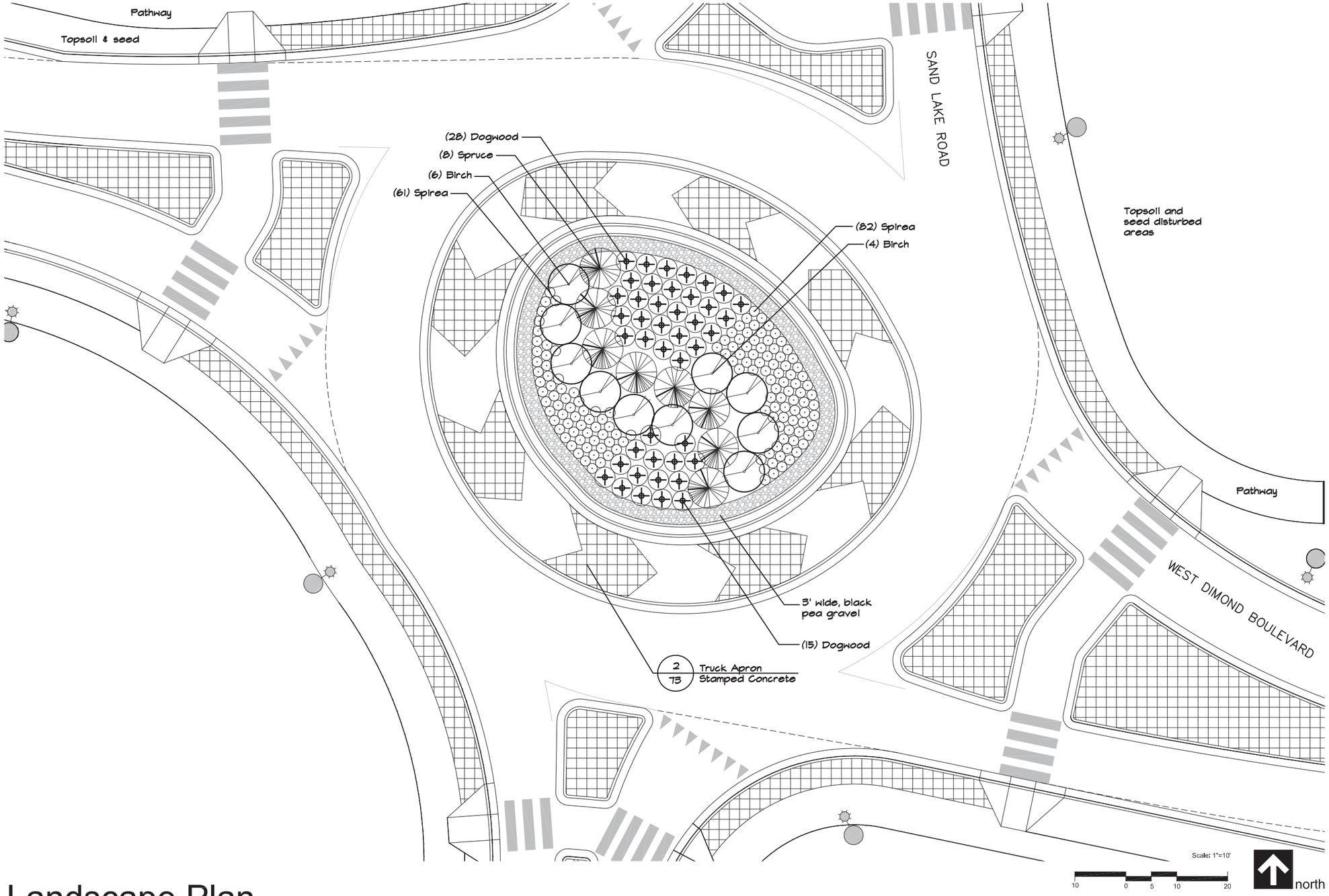

Landscape Plan

65% DESIGN
APRIL 2014

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CONTRACTOR	BASIS OF THIS DATUM			WATER			MUN. FINAL CHK.										
INSPECTOR				GAS													
CONSTRUCTION RECORD	VERTICAL DATUM			PLAN CHECK						REVISIONS							

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05-05

WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

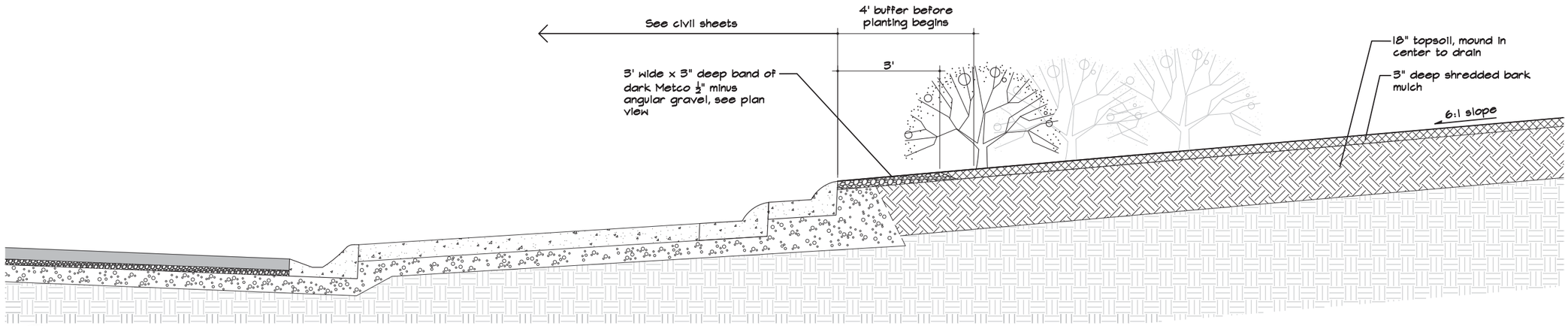
LANDSCAPE PLAN

SCALE

DATE 4/10/14 GRID 2323 2324 2423 2424

ACCT. NO.

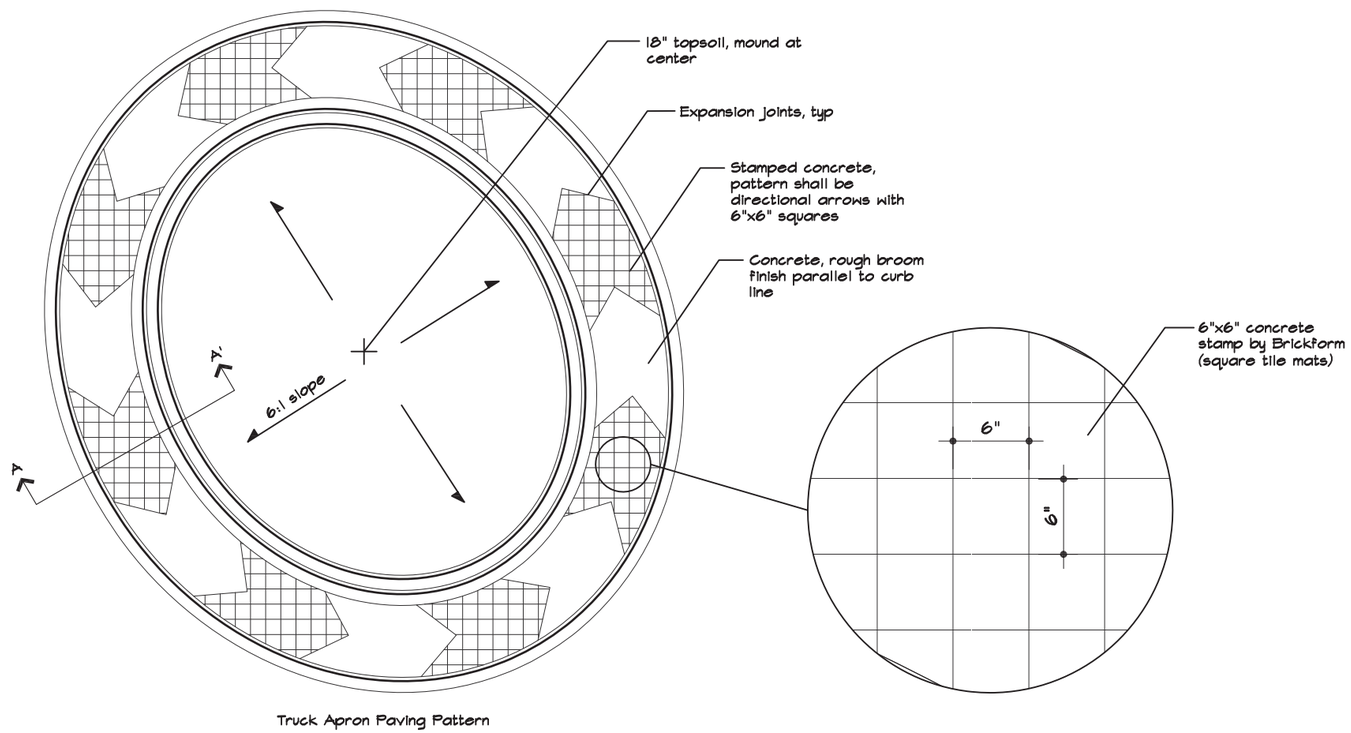
SHEET 72 of 76



1
73

A-A' Typical Truck Apron Cross Section

SCALE: NTS



2
73

Truck Apron Plan (Stamped Concrete)

SCALE: NTS

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.
DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
CONSTRUCTION RECORD	VERTICAL DATUM		

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TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
REVISIONS							

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

LANDSCAPE PLAN DETAILS

SCALE | DATE 4/10/14 | GRID 2323 2324 2423 2424 | SHEET 73 of 76
ACCT. NO.

File Location: H:\1Projects\West Dimond blvd\65%-West Dimond Blvd\L-1 West Dimond Blvd-65.15%.dwg
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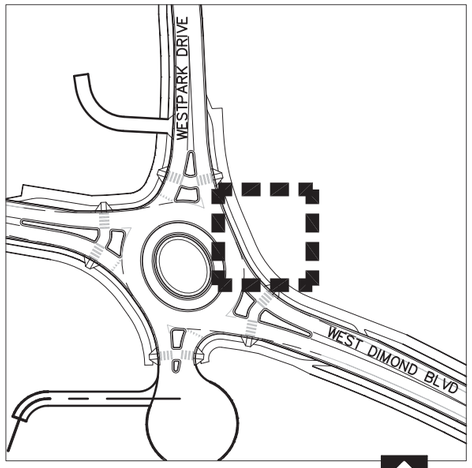
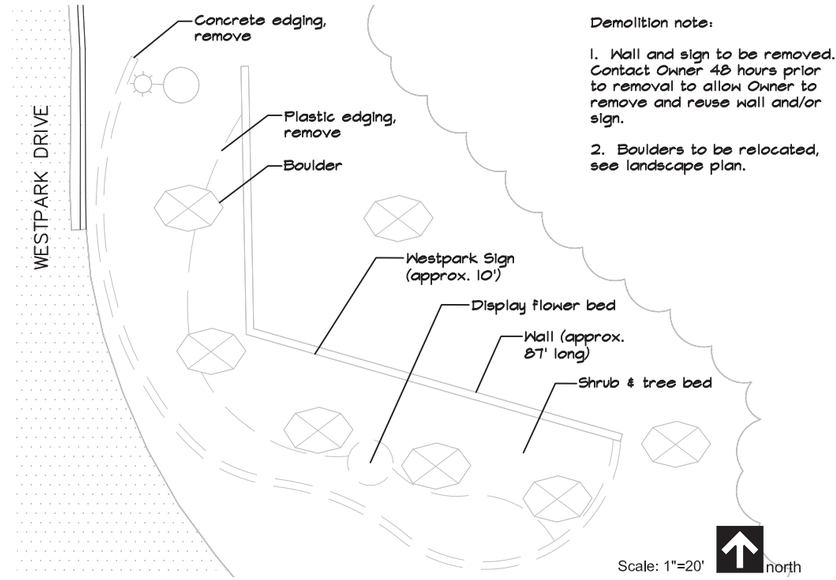


Key Location Map

north



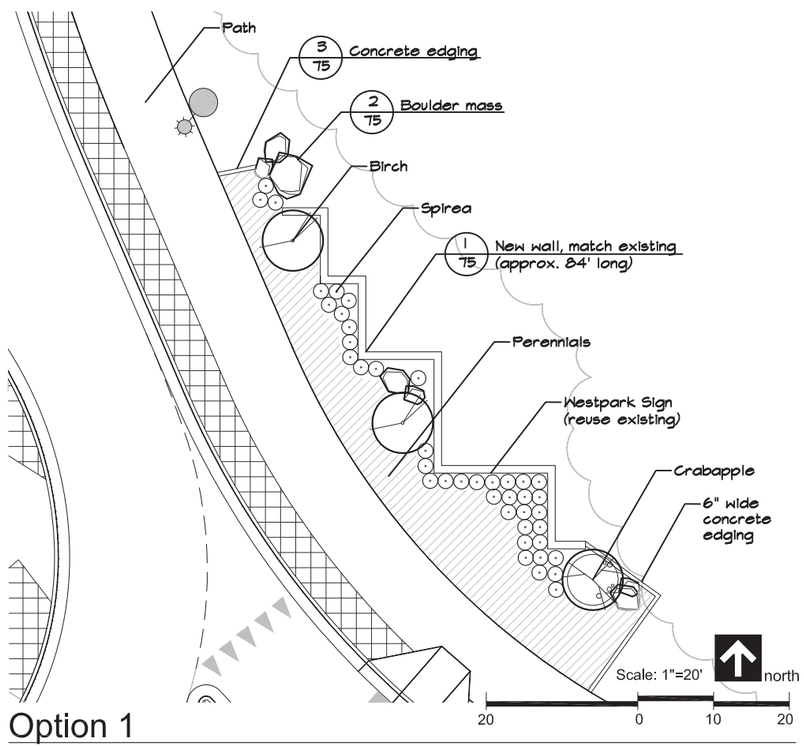
Demolition note:

1. Wall and sign to be removed. Contact Owner 48 hours prior to removal to allow Owner to remove and reuse wall and/or sign.

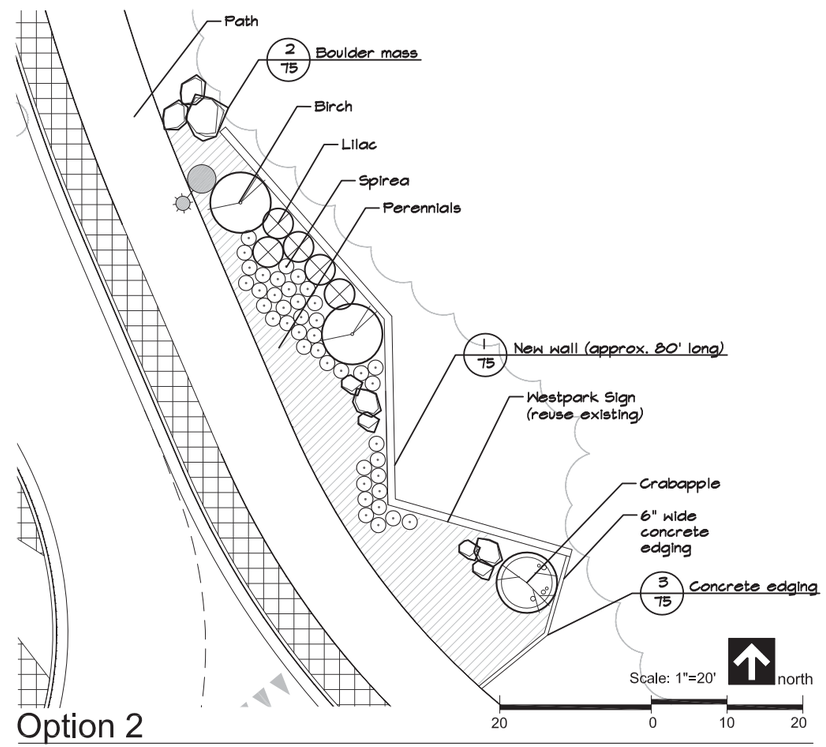
2. Boulders to be relocated, see landscape plan.

Existing Site Conditions

View from West Dimond Blvd.



Option 1



Option 2

West Dimond Boulevard

Westpark Sign Replacement Options

65% DESIGN
APRIL 2014

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										
				TOPOGRAPHY			ELECTRIC										
STAKING				PROFILE			CABLE TV										
				SANITARY SEWER			DESIGN										
ASBUILT				STORM SEWER			QUANTITIES										
CONTRACTOR	BASIS OF THIS DATUM			WATER			MUN. FINAL CHK.										
INSPECTOR				GAS													
CONSTRUCTION RECORD	VERTICAL DATUM			PLAN CHECK						REVISIONS							

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

LANDSCAPE PLAN DETAILS

SCALE

DATE 4/3/14 GRID 2323 2324 2423 2424

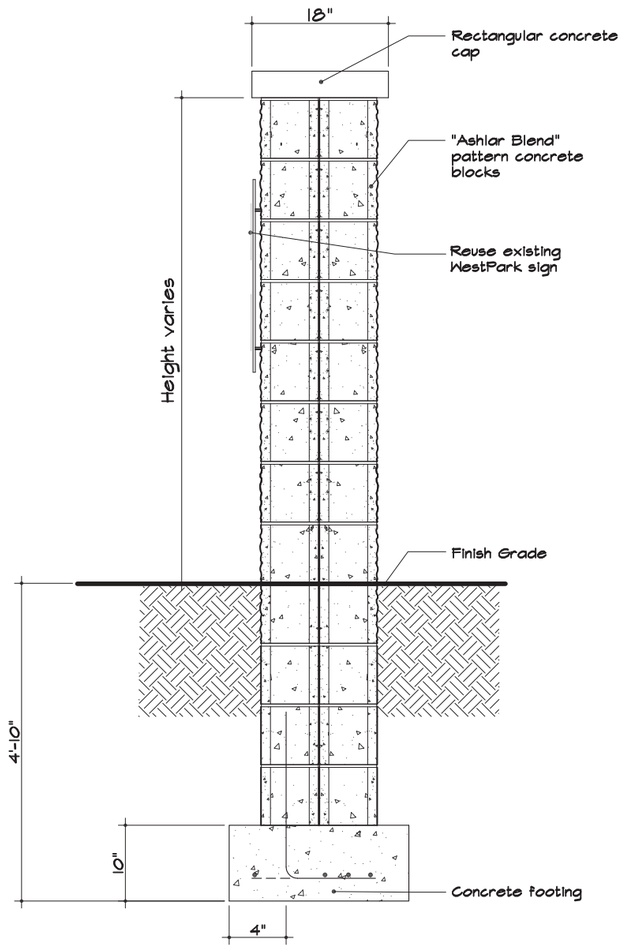
ACCT. NO.

SHEET 74 of 76

File Location: H:\Projects\West Dimond blvd\65%-West Dimond Blvd\L-1 West Dimond Blvd-65.15%.dwg

Plotted: 4/10/2014 9:24 AM

Ashlar Blend Pattern

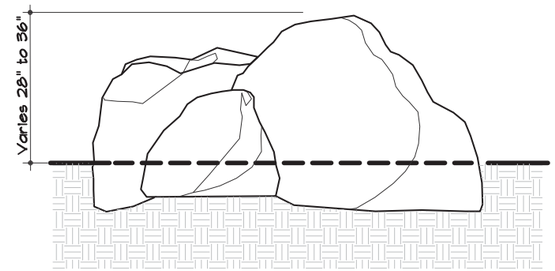


Cross Section

Elevation

1 / 75 Replacement Sign Detail

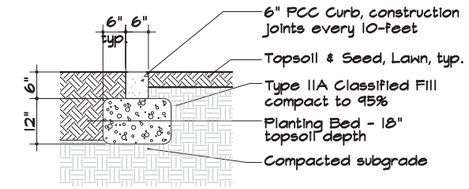
SCALE: NTS



Bury Rocks 1/3 -1/2. Place rocks as shown on plans. All rocks to abut one another. Engineer to supervise placement. Rocks to be angular, varied diameters, minimum one 4-foot tall rock per mass, with natural appearing fractures and exposed faces.

2 / 75 Boulder Detail

SCALE: NTS



3 / 75 Concrete Edging Detail

SCALE: NTS

TBD

65% DESIGN
APRIL 2014

FIELD BOOKS	BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY
DESIGN				BASE			TELEPHONE		
				TOPOGRAPHY			ELECTRIC		
STAKING				PROFILE			CABLE TV		
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ASBUILT				STORM SEWER			QUANTITIES		
CONTRACTOR	BASIS OF THIS DATUM			WATER			MUN. FINAL CHK.		
INSPECTOR				GAS					
CONSTRUCTION RECORD	VERTICAL DATUM			PLAN CHECK					

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY

REVISIONS

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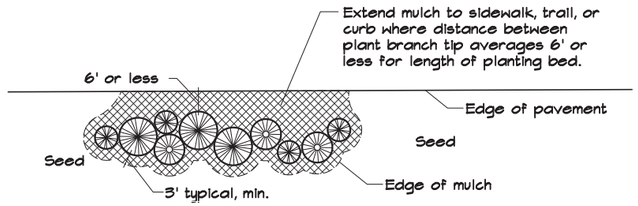
PROJECT MANAGEMENT AND ENGINEERING DIVISION

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

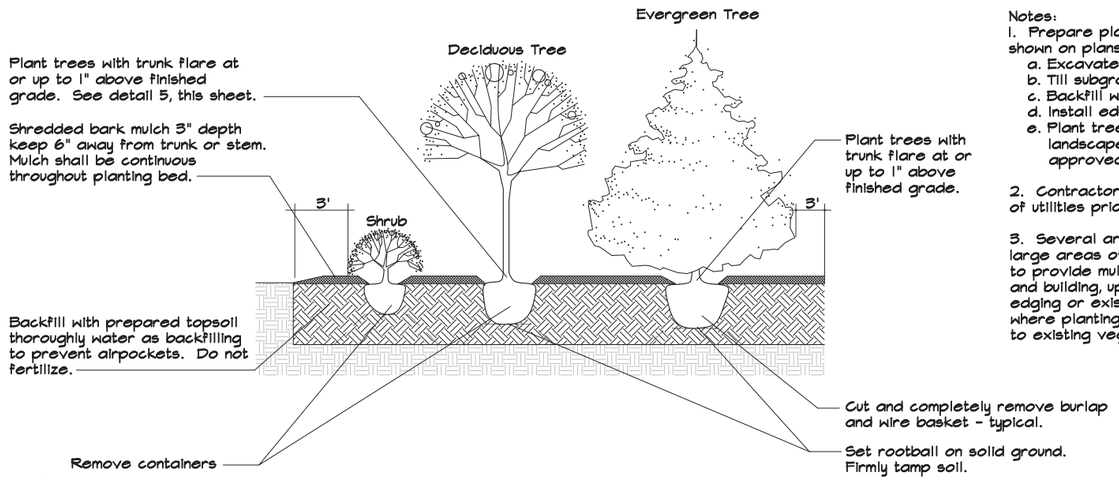
LANDSCAPE PLAN DETAILS

SCALE | DATE 4/10/14 | GRID 2323 2324 2423 2424 | SHEET 75 of 76
ACCT. NO.

Plotted: 4/10/2014 9:26 AM File Location: H:\1Projects\West Dimond blvd\65%-West Dimond Blvd\L-1 West Dimond Blvd-65.15%.dwg



Mulch Limits



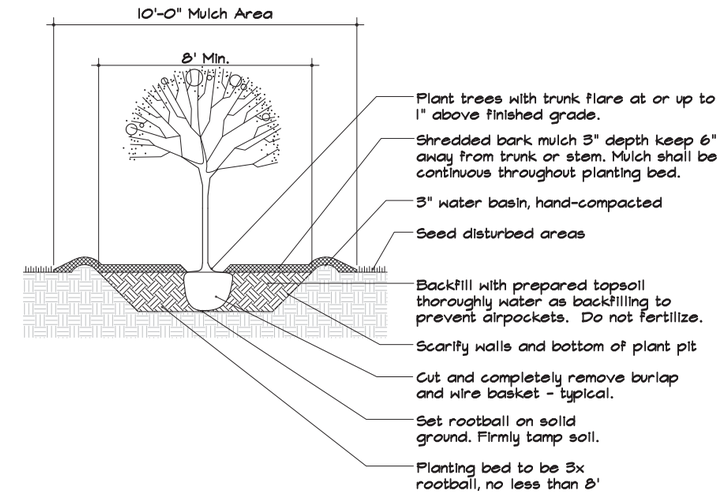
Notes:
1. Prepare planting bed as shown on plans:
   a. Excavate and remove soil
   b. Till subgrade
   c. Backfill with topsoil
   d. Install edging
   e. Plant trees and shrubs after landscape architect has approved staked locations

2. Contractor to verify location of utilities prior to excavation.

3. Several areas on plans require large areas of mulch. Contractor to provide mulch between plantings and building, up to property line, edging or existing vegetation, where planting beds are adjacent to existing vegetation.

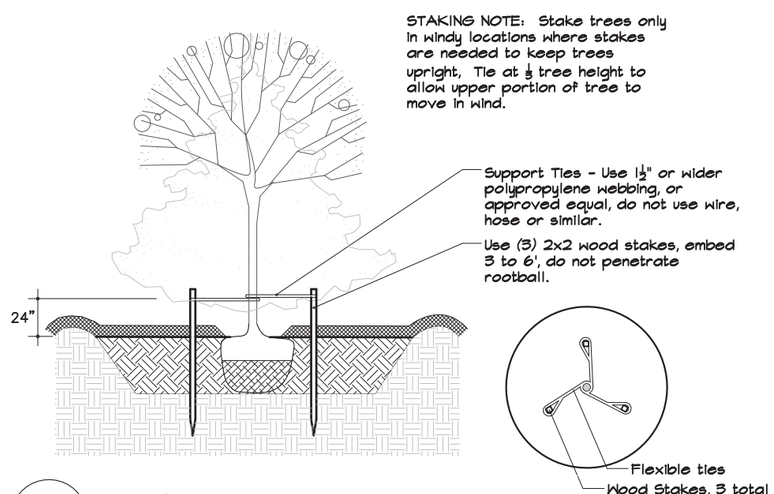
1/76 Planting Bed Detail

SCALE: NTS



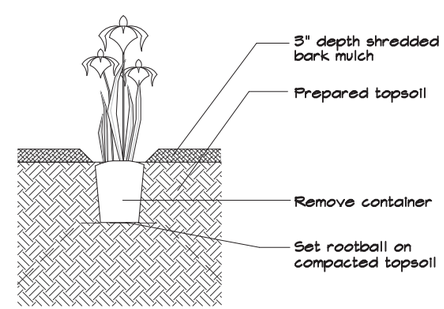
2/76 Single Tree Planting

SCALE: NTS



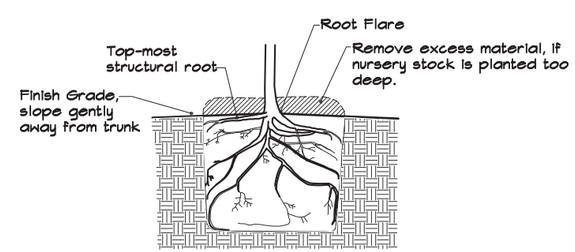
3/76 Tree Staking

SCALE: NTS



4/76 Perennials

SCALE: NTS



5/76 Planting Depth Detail

SCALE: NTS

65% DESIGN
APRIL 2014

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DESIGN			
STAKING			
ASBUILT			
CONTRACTOR	BASIS OF THIS DATUM		
INSPECTOR			
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BASE			TELEPHONE		
TOPOGRAPHY			ELECTRIC		
PROFILE			CABLE TV		
SANITARY SEWER			DESIGN		
STORM SEWER			QUANTITIES		
WATER			MUN. FINAL CHK.		
GAS					
PLAN CHECK					

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

LANDSCAPE PLAN DETAILS

SCALE | DATE 4/10/14 | GRID 2323 2324 2423 2424 | SHEET 76 of 76
ACCT. NO.

File Location: H:\1Projects\West Dimond blvd\65%-West Dimond Blvd\L-1 West Dimond Blvd-65.15%.dwg
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