

Plant Schedule

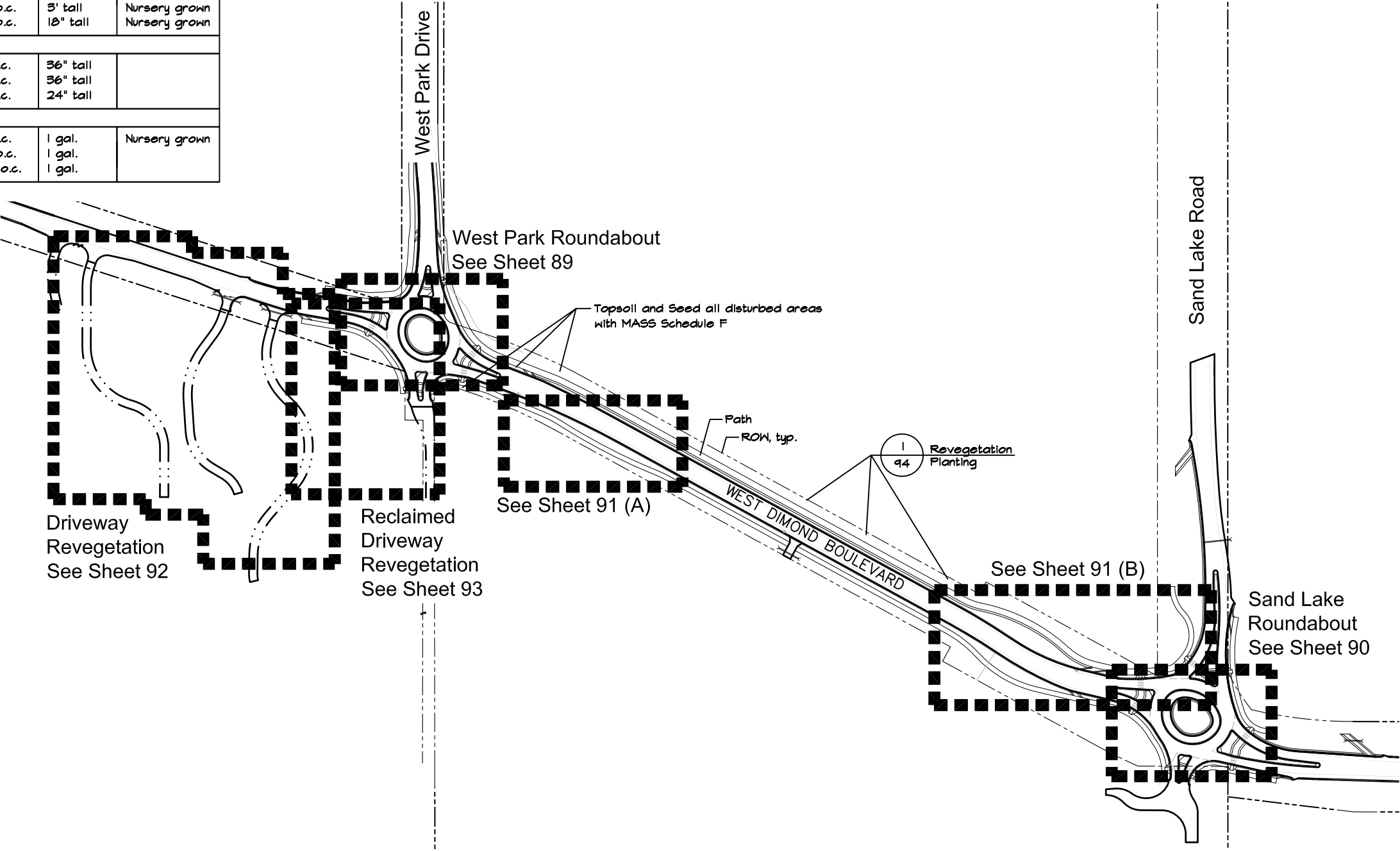
Common Name	Botanical Name	Quantity	Spacing (min.)	Size	Notes
Trees					
Sand Cherry	Prunus x cistena	59	8' o.c.	3" cal.	
Spruce, Blue	Picea glauca	7	10' o.c.	6' tall	Nursery grown
6' Spruce, Green	Picea pungens	34	10' o.c.	6' tall	Nursery grown
3' Spruce, Green	Picea pungens	264	10' o.c.	3' tall	Nursery grown
18" Spruce, Green	Picea pungens	660	10' o.c.	18" tall	Nursery grown
Shrubs					
Dogwood, Red Twig	Cornus sericea	9	4' o.c.	36" tall	
False Spirea	Sorbaria sorbitolia	195	4' o.c.	36" tall	
Goldflame Spirea	Spiraea bumalda 'Goldflame'	24	2' o.c.	24" tall	
Perennials/Groundcovers					
Iris	Iris setosa	461	16" o.c.	1 gal.	Nursery grown
Nuuk Potentilla	Potentilla nuuk	962	12" o.c.	1 gal.	
Rheum	Rheum rhaponticum	167	28" o.c.	1 gal.	

- Notes
- 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)
 - Mulch continuously throughout all planting beds with 3" shredded bark mulch. Keep mulch away from stems, trunks and base of plants per details. Transition mulch to edging and adjacent surfaces. See mulch limit detail.
 - Topsoil and seed all disturbed areas, see civil for work limits. DO NOT SEED PLANTING BEDS. Topsoil depth shall be 4".
 - See planting details for additional information.
 - Height to spread ratio of evergreen trees equal 5 (height):3 (spread). Evergreens to be fully branched to ground.

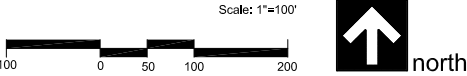
Boulder Schedule

Symbol	Type	Size	Quantity
	Large	4'x5'x5'	2
	Medium	3'x3'x4'	5
	Small	2'x3'x3'	0

Note:
Reuse on site boulders, verify quantities prior to stockpiling. See Detail 3, Sheet 98. Location and orientation to be under direction of the Landscape Architect. Existing boulders to be removed from landscape areas, stock piled and relocated as shown on plans.



West Dimond Boulevard Landscape Key



Plotted: 1/30/2015 8:47 AM File Location: H:\Projects\West Dimond bvd\95Percent West Dimond\95.16-L1-West Dimond.dwg

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STAKING					TOPOGRAPHY			ELECTRIC										
					PROFILE			CABLE TV										
					SANITARY SEWER			DESIGN										
ASBUILT					STORM SEWER			QUANTITIES										
CONTRACTOR					WATER			MUN. FINAL CHK.										
INSPECTOR					GAS													
CONSTRUCTION RECORD																		

PROJECT MANAGEMENT AND ENGINEERING DIVISION

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

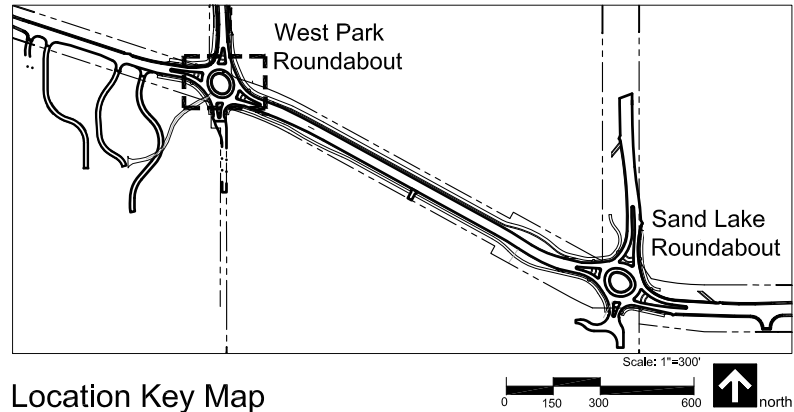
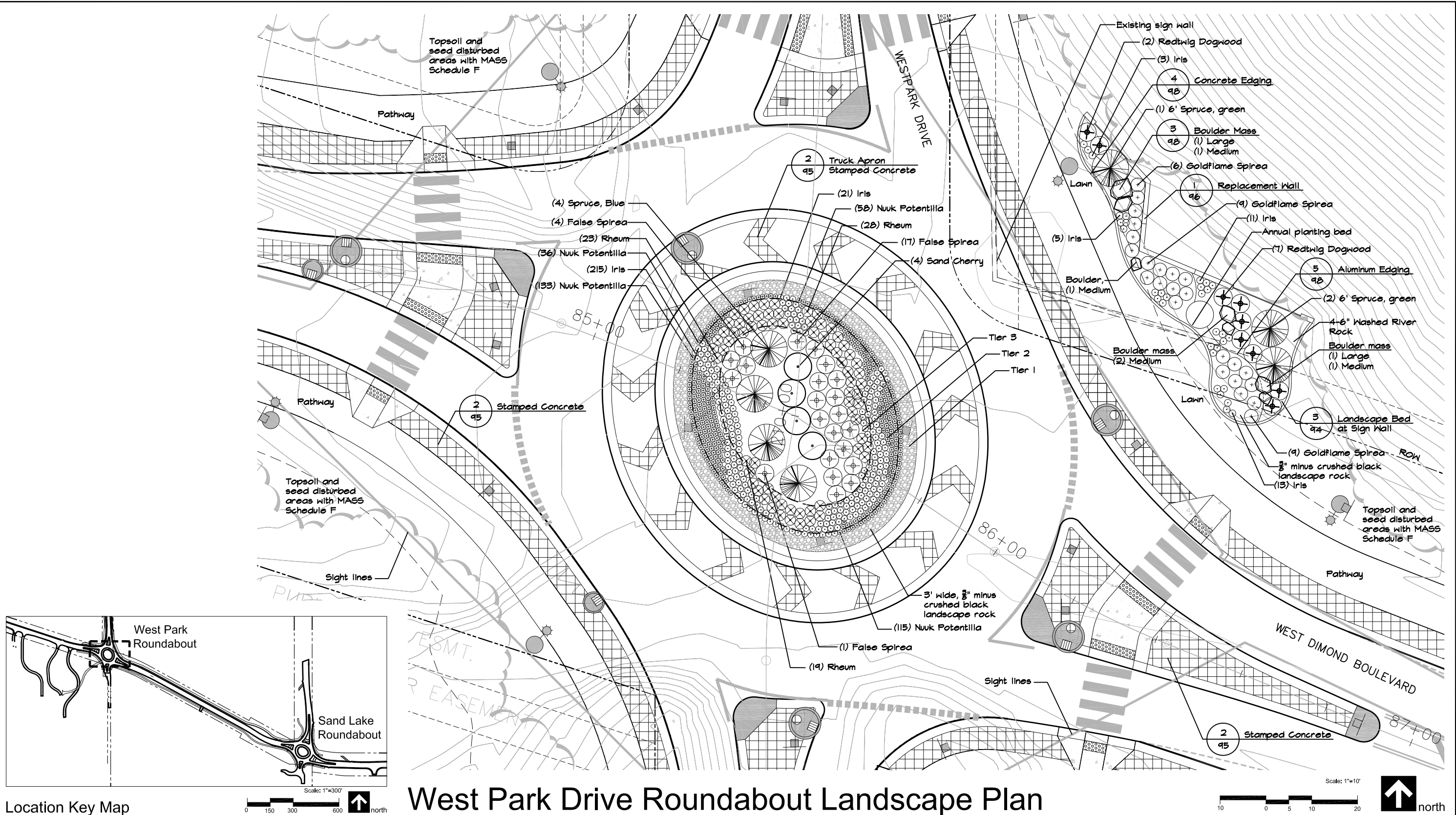
LANDSCAPE PLAN

SCALE

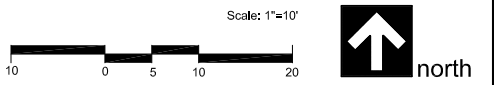
DATE 12/12/14 GRID 2323 2324
ACCT. NO. 2423 2424

SHEET 88 of 106


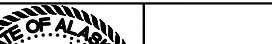
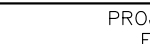
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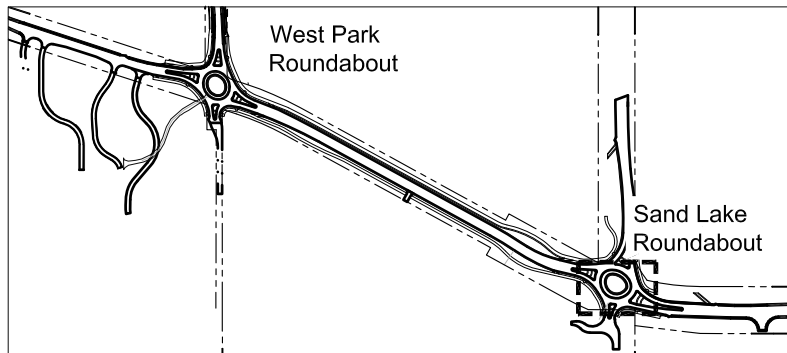
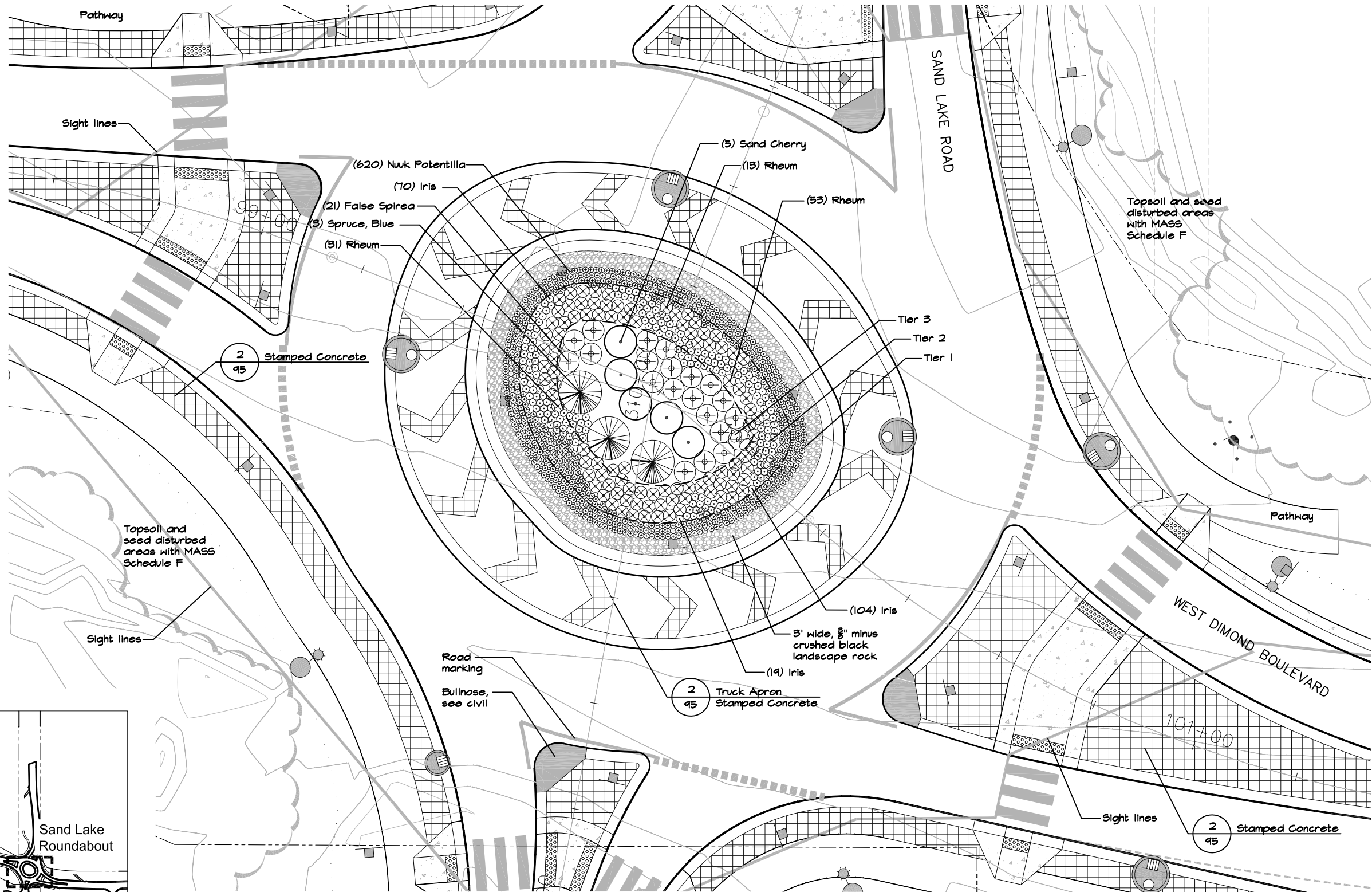
West Park Drive Roundabout Landscape Plan



95% DESIGN
JANUARY 2015

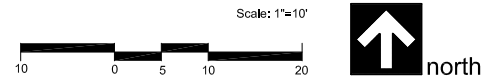
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CONSTRUCTION RECORD		BASIS OF THIS DATUM			GAS																	
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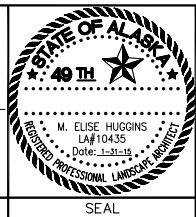
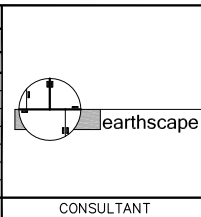
Location Key Map

Sand Lake Road Roundabout Landscape Plan



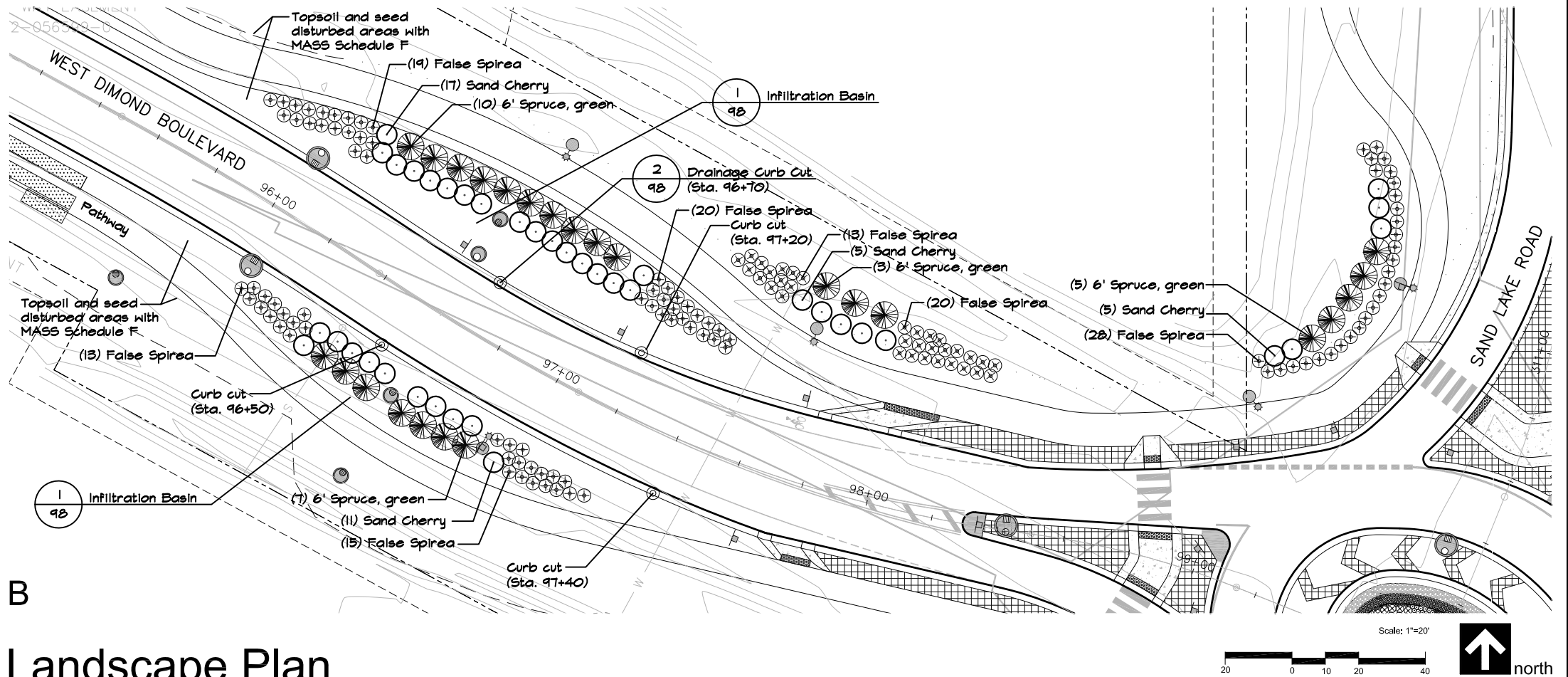
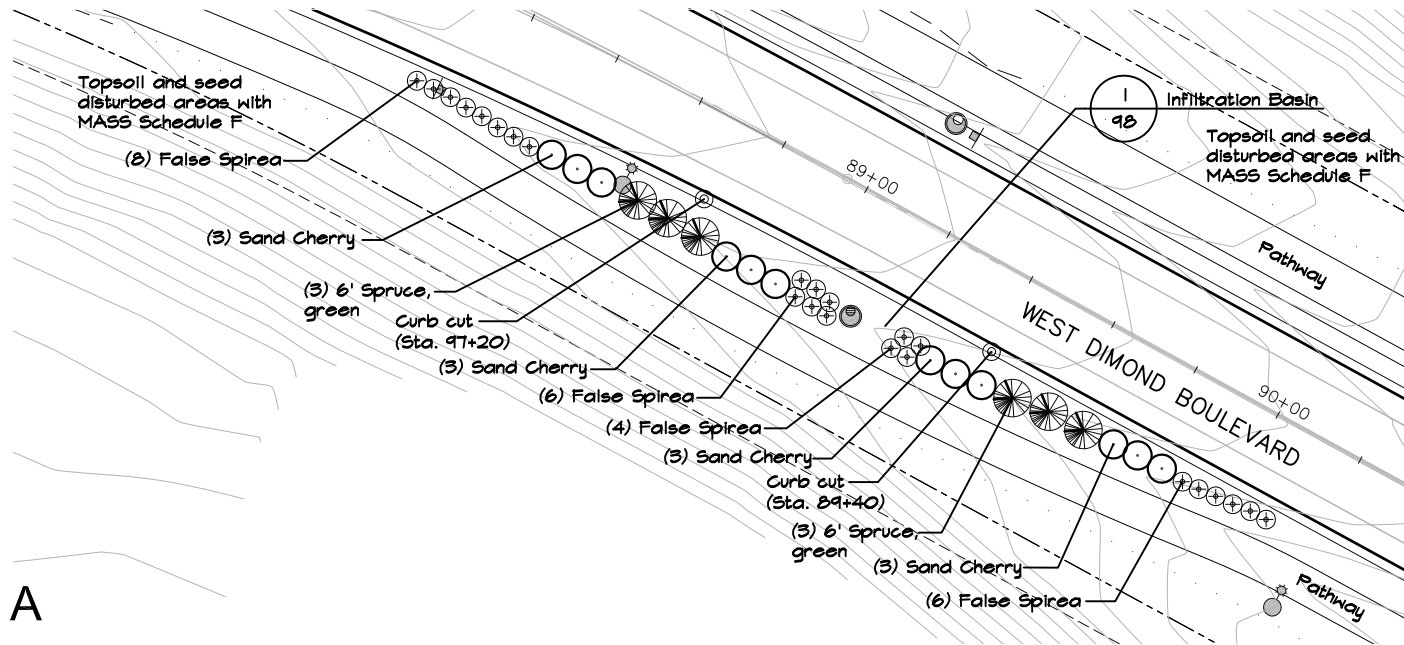
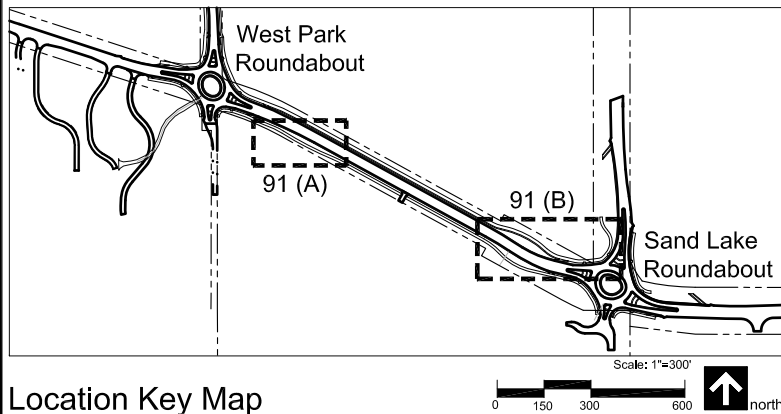
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CONSTRUCTION RECORD				GAS													
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PROJECT MANAGEMENT AND ENGINEERING DIVISION			
05-05 WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD			
LANDSCAPE PLAN			
SCALE	DATE 12/12/14	GRID 2323 2324 2423 2424	SHEET 90 of 106
ACCT. NO.			

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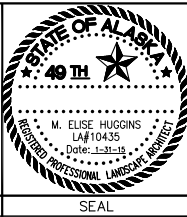
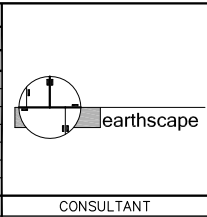


B

Landscape Plan

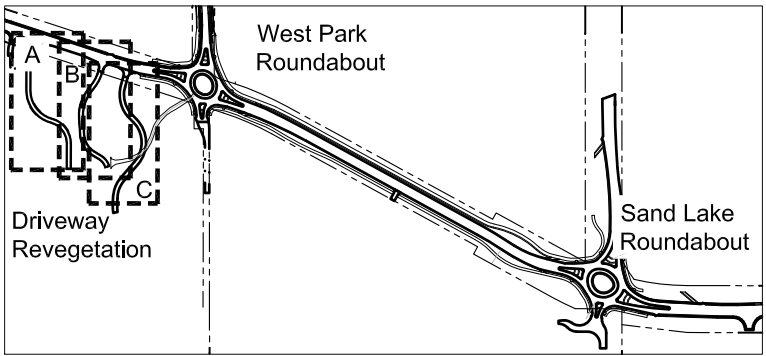
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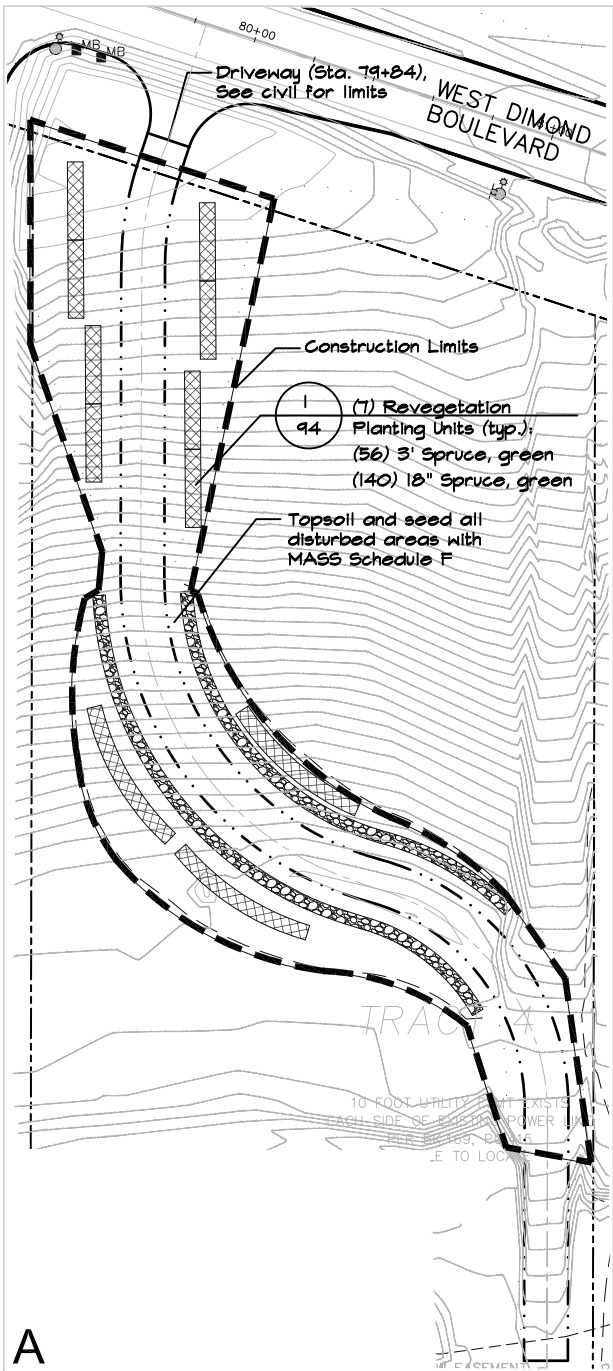


PROJECT MANAGEMENT AND ENGINEERING DIVISION			
05-05 WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD LANDSCAPE PLAN			
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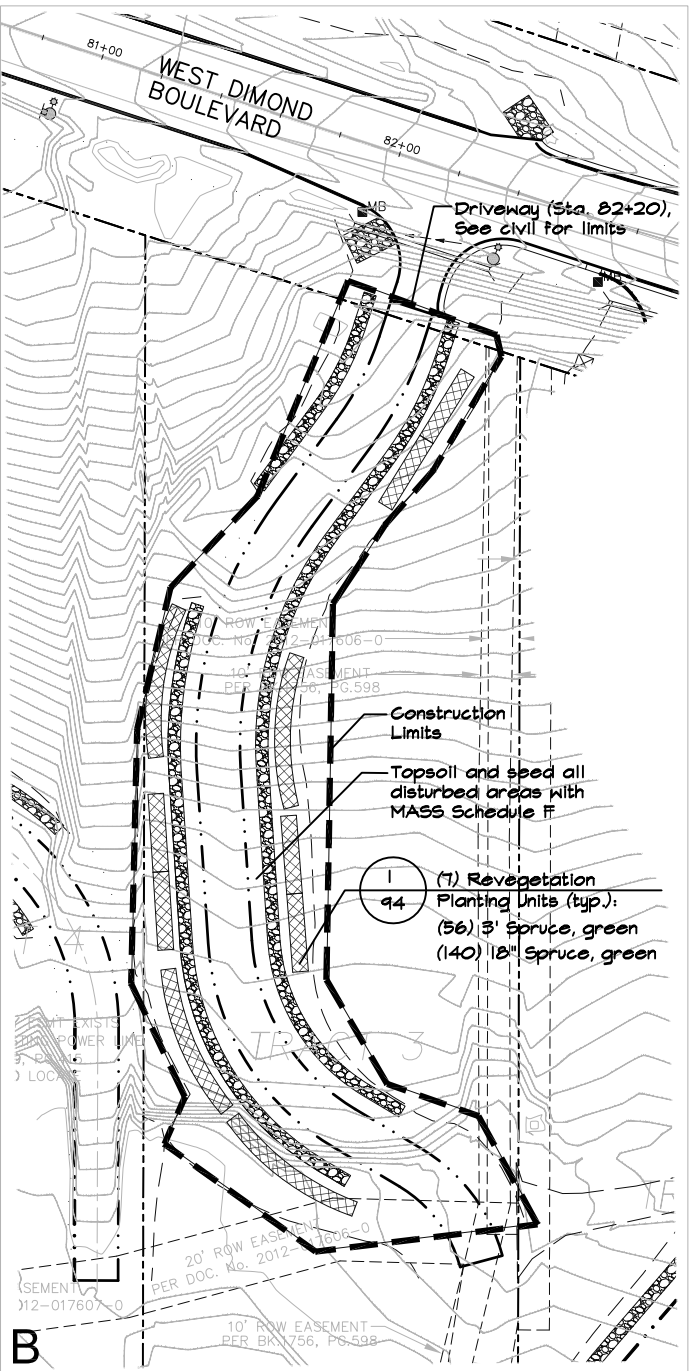
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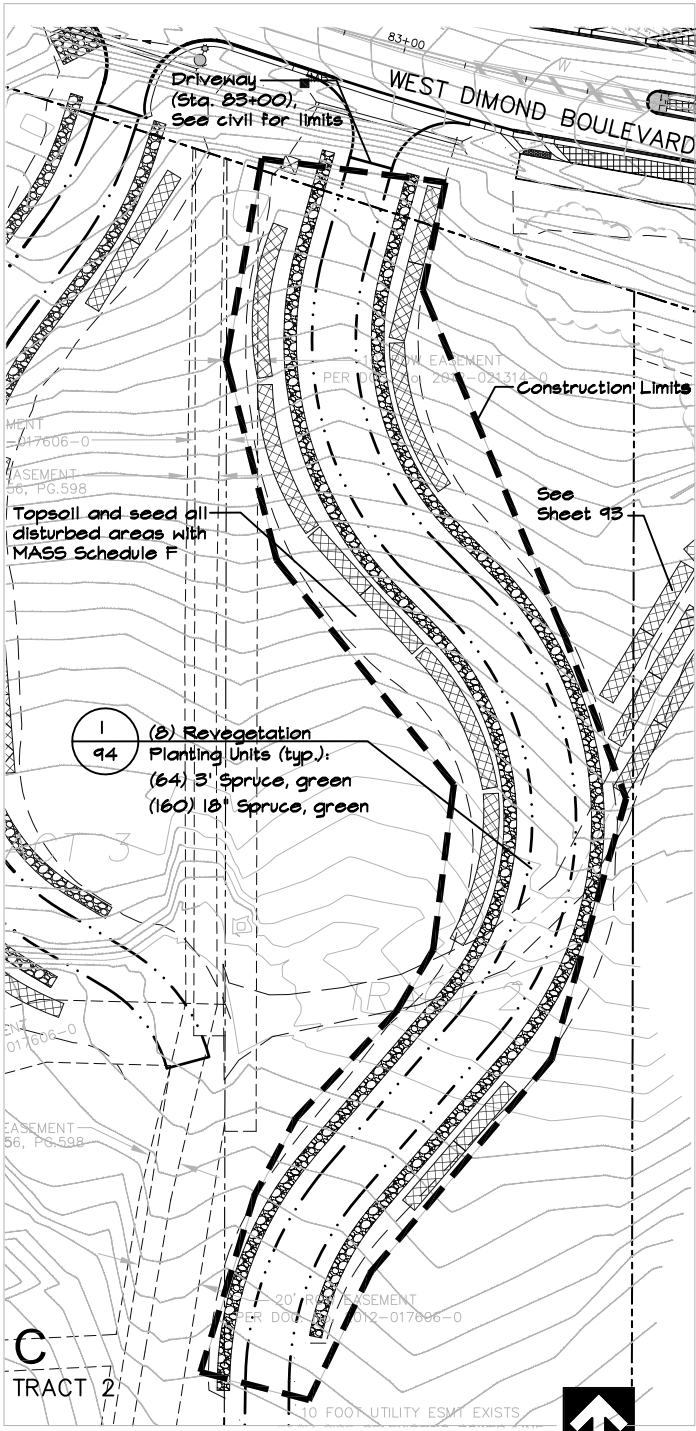
Location Key Map



A
TRACT 4



B
TRACT 3



C
TRACT 2

1
92 Driveway Revegetation Planting

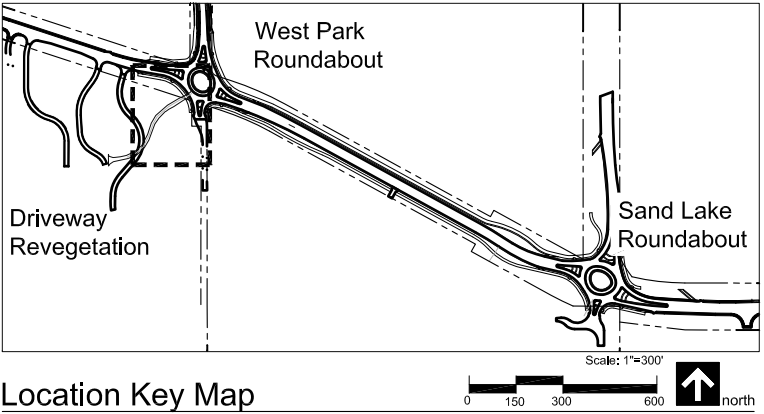
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PROJECT MANAGEMENT AND
ENGINEERING DIVISION

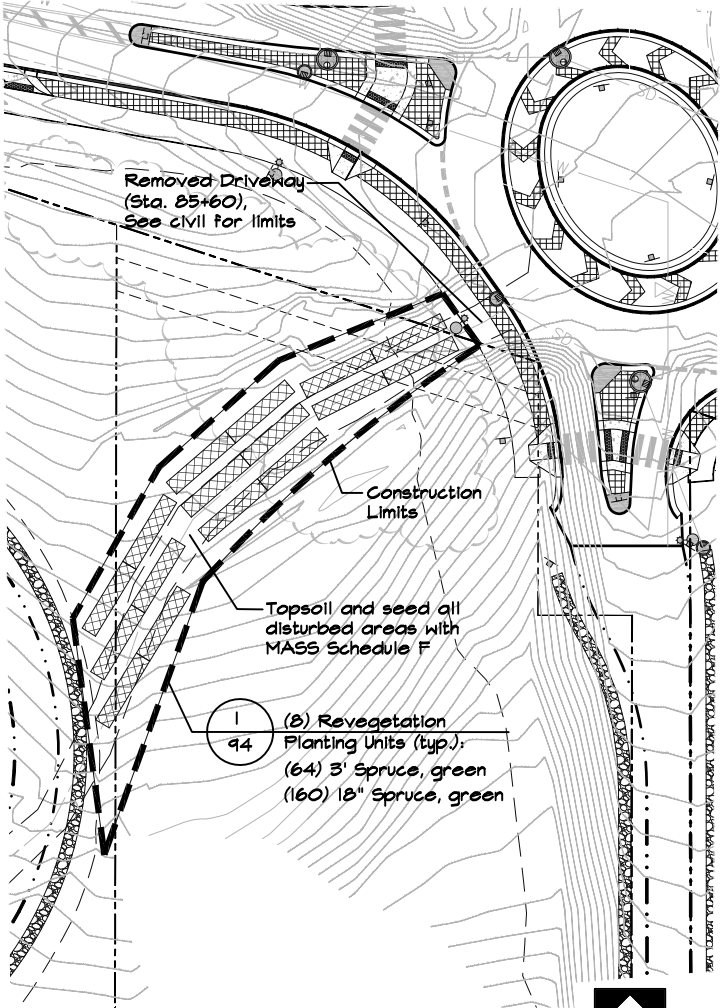
05-05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

LANDSCAPE PLAN DETAILS

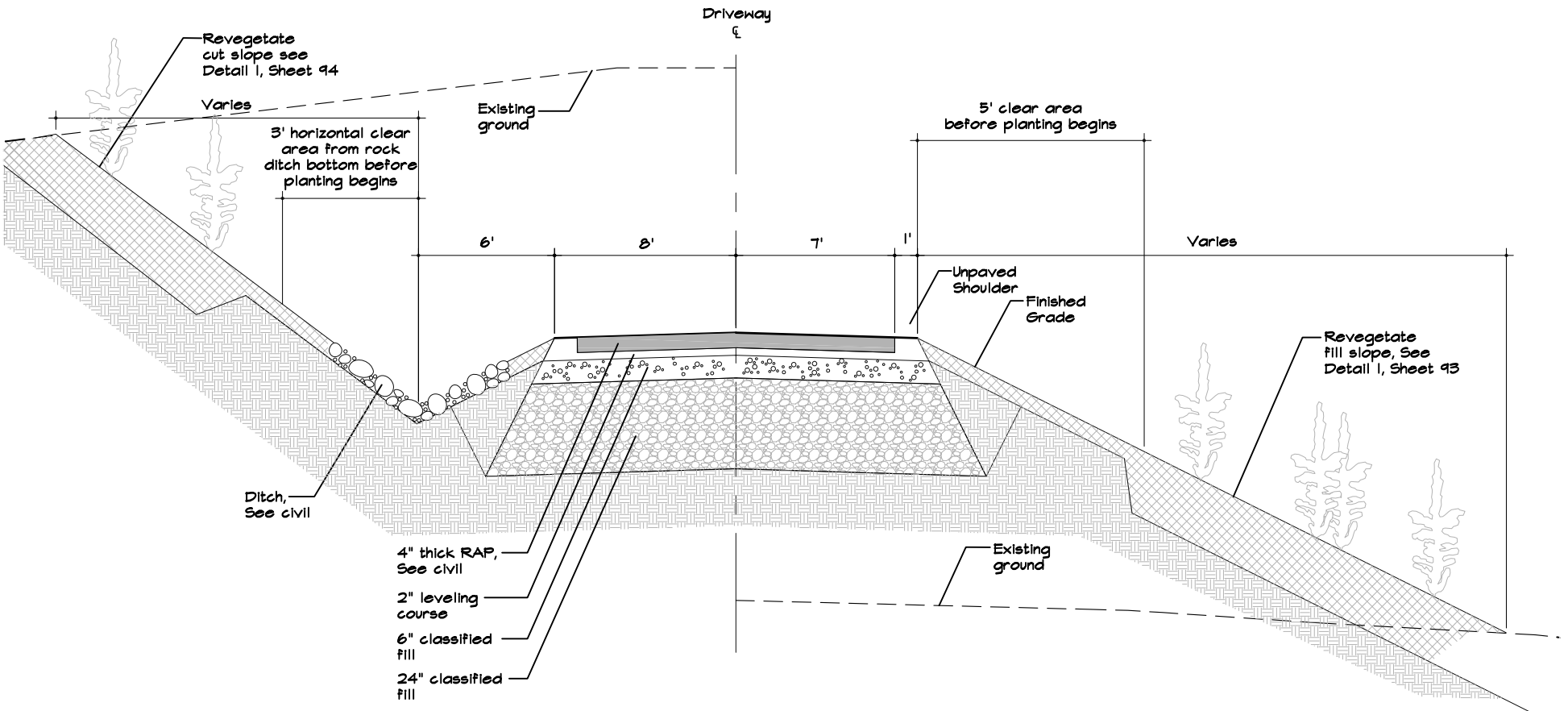
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ACCT. NO. 2423 2424 SHEET 92 of 106



Location Key Map






1 Reclaimed Driveway
93 Revegetation Planting



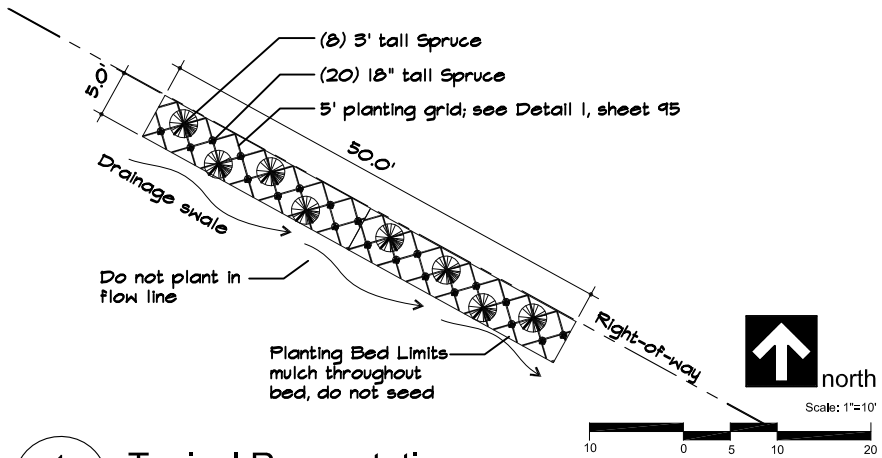
2 Driveway Revegetation Planting Typical Cross-Section
93

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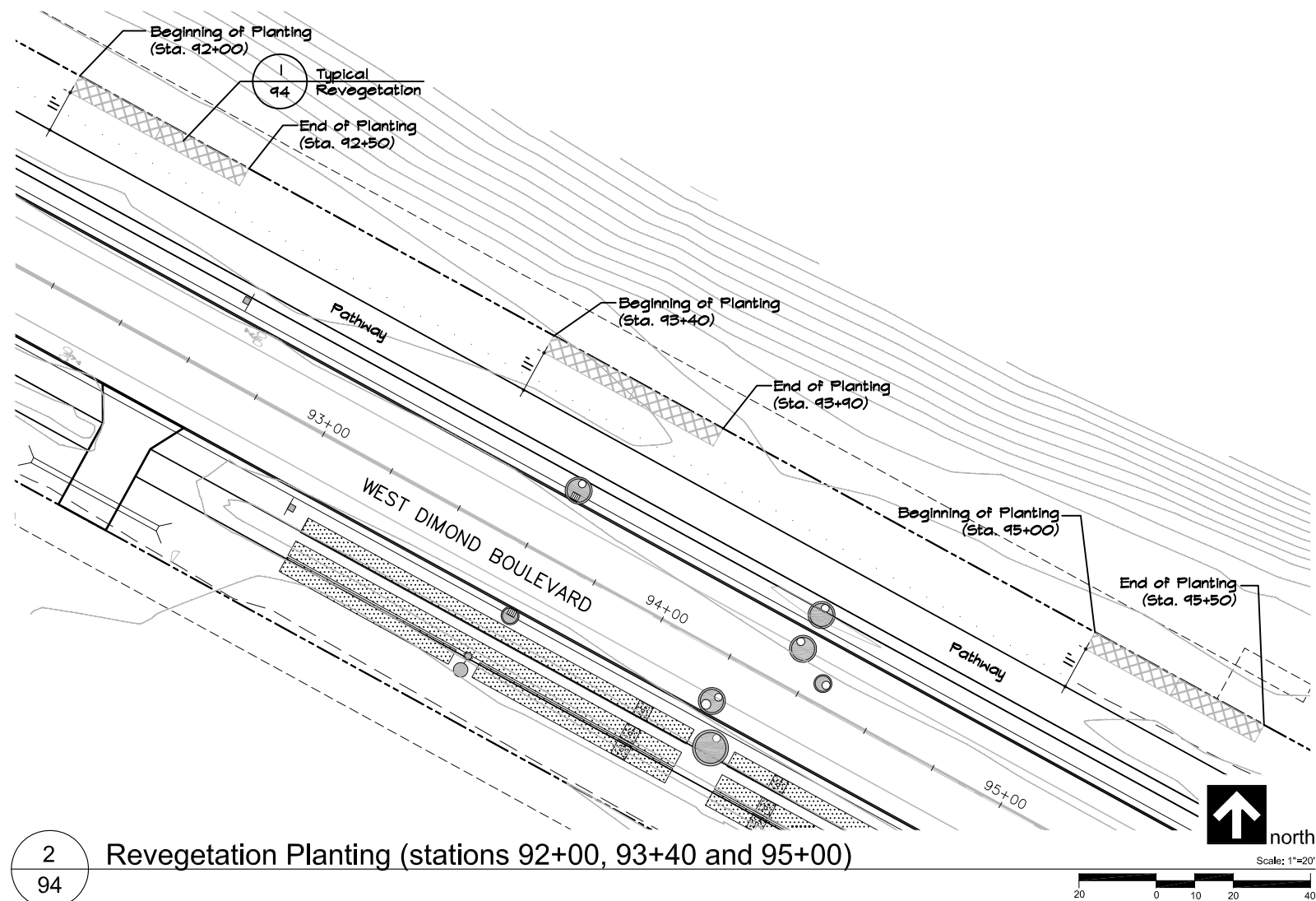
95% DESIGN
JANUARY 2015

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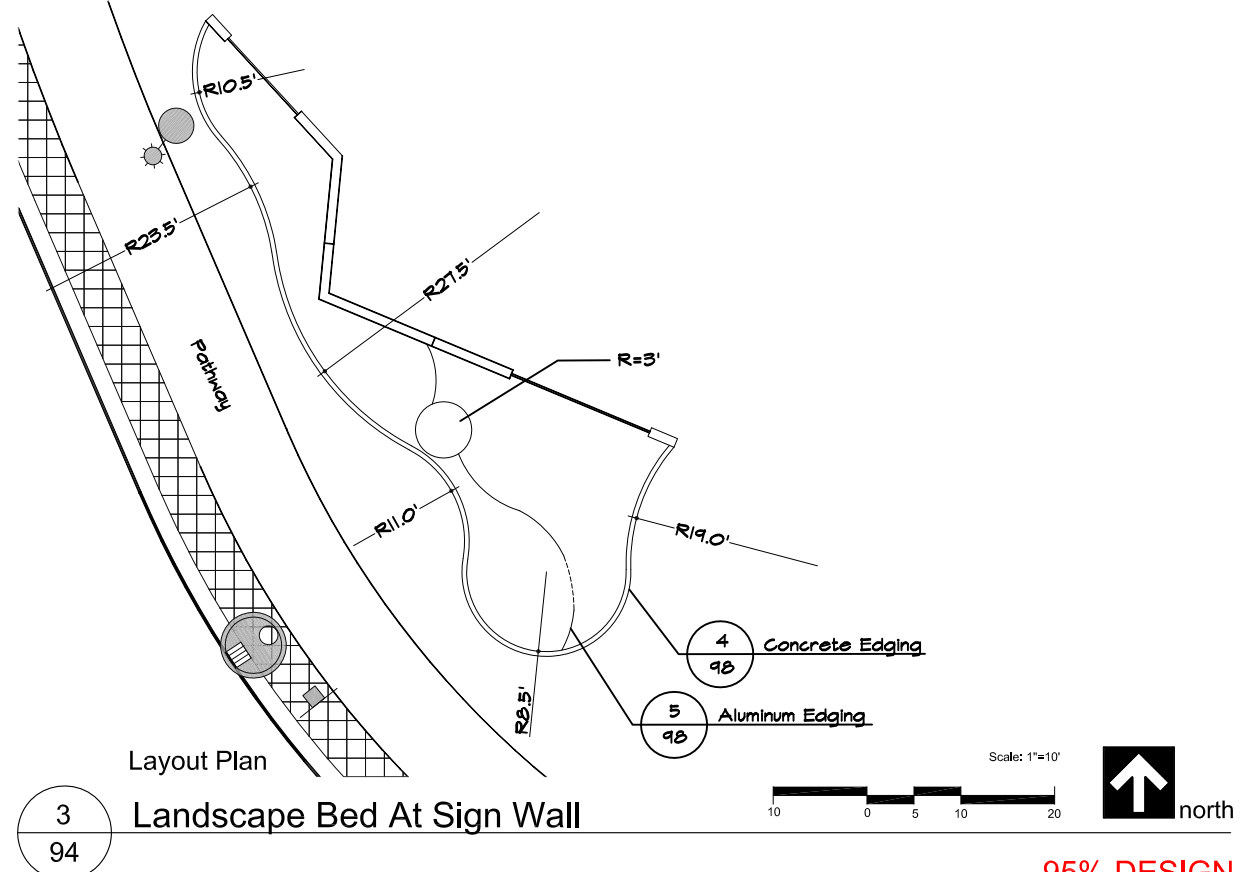
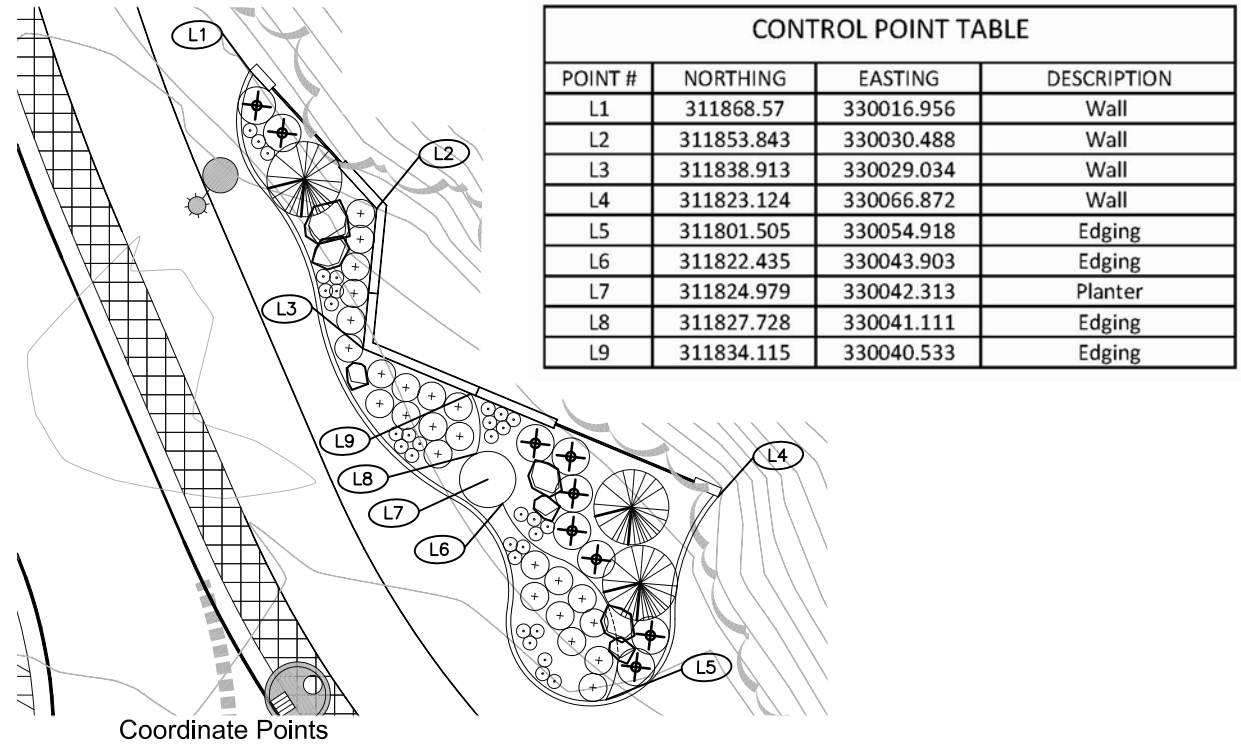
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Plotted: 1/30/2015 8:52 AM



1
94
Typical Revegetation
Planting Unit



2
94
Revegetation Planting (stations 92+00, 93+40 and 95+00)



3
94
Landscape Bed At Sign Wall

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JANUARY 2015

FIELD BOOKS		BM NO.	LOCATION	ELEV.	DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
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PROJECT MANAGEMENT AND
ENGINEERING DIVISION

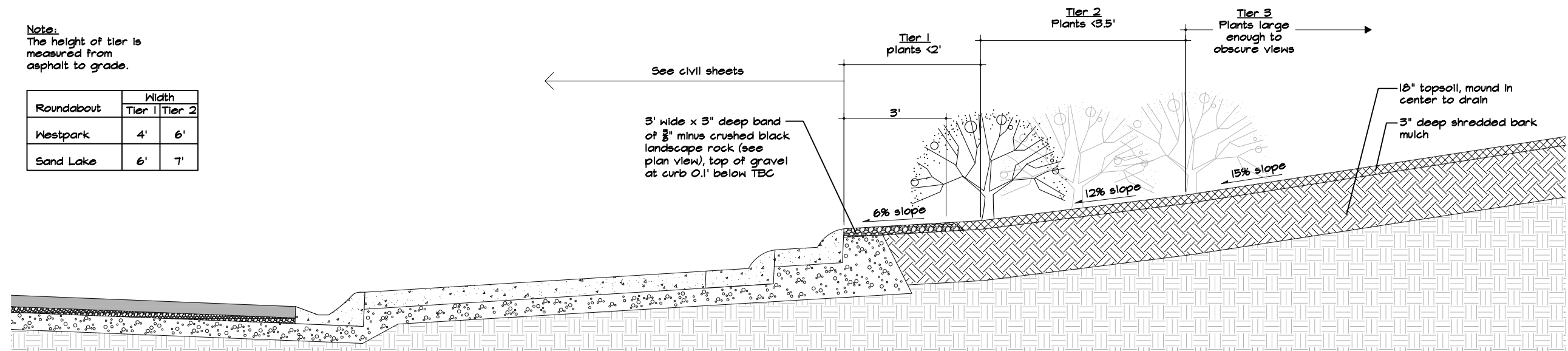
05-05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

LANDSCAPE PLAN DETAILS

SCALE	DATE 12/12/14	GRID 2323 2324 2423 2424	SHEET 94 of 106
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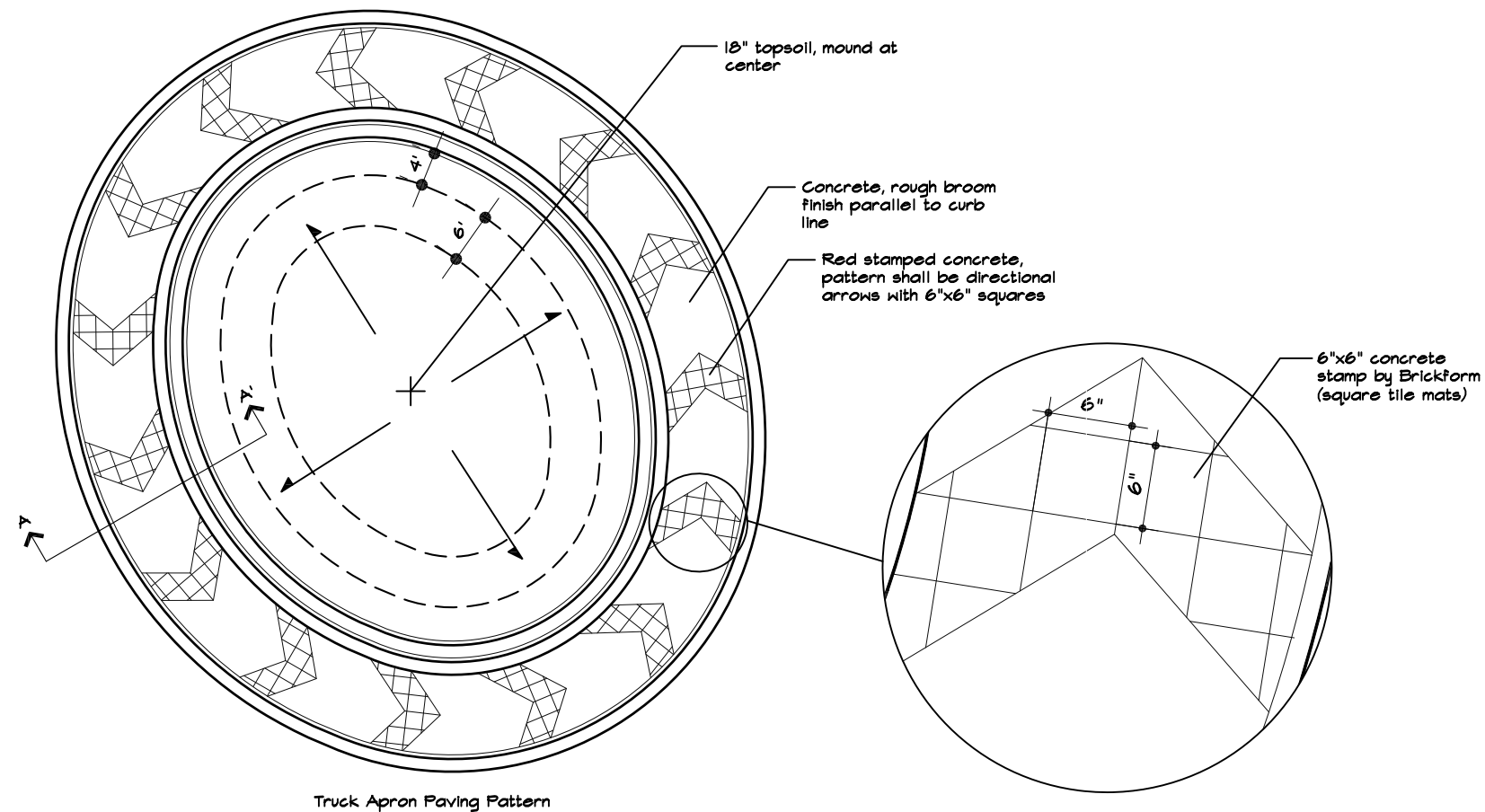
Note:
The height of tier is measured from asphalt to grade.

Roundabout	Width	
	Tier 1	Tier 2
Westpark	4'	6'
Sand Lake	6'	7'






1 95 A-A' Typical Truck Apron Cross Section

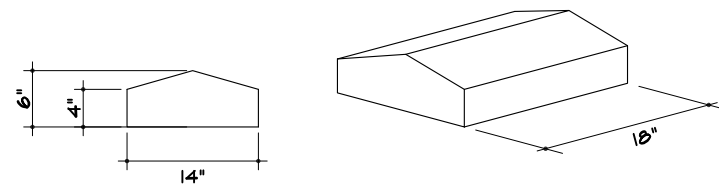
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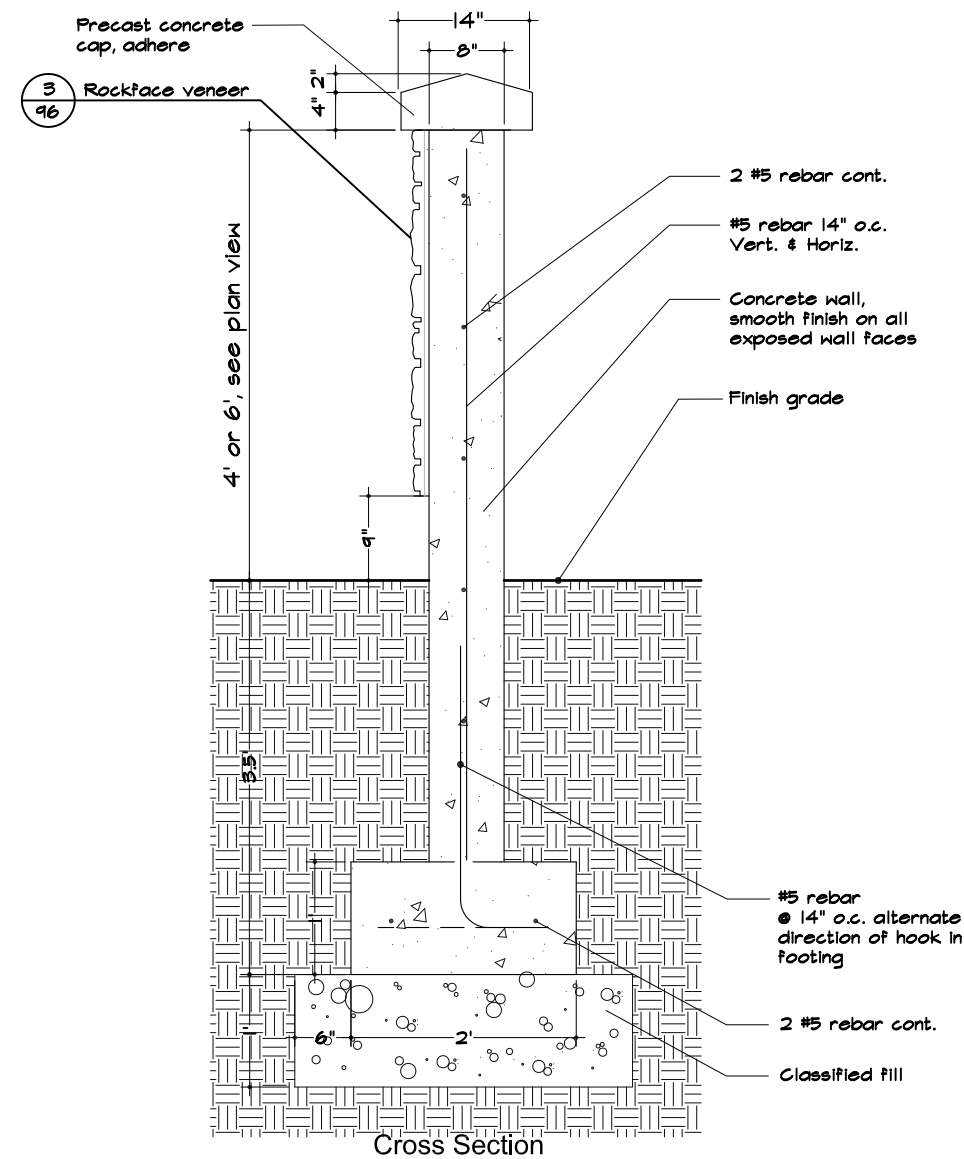
2	Truck Apron Stamped Concrete
95	

SCALE: NTS

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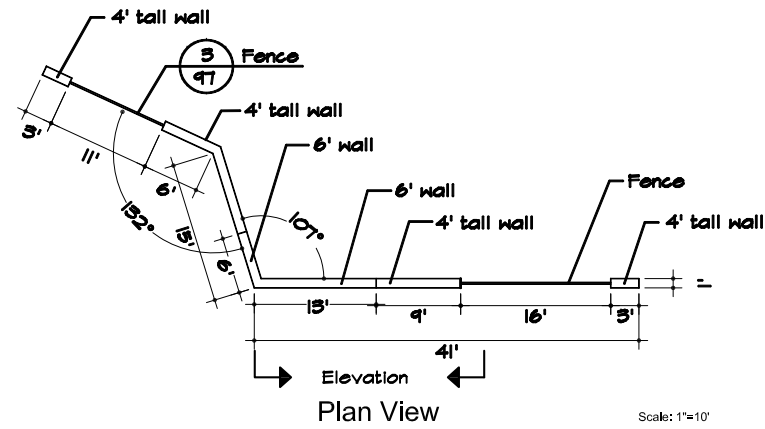


Concrete Cap



Replacement Wall Detail

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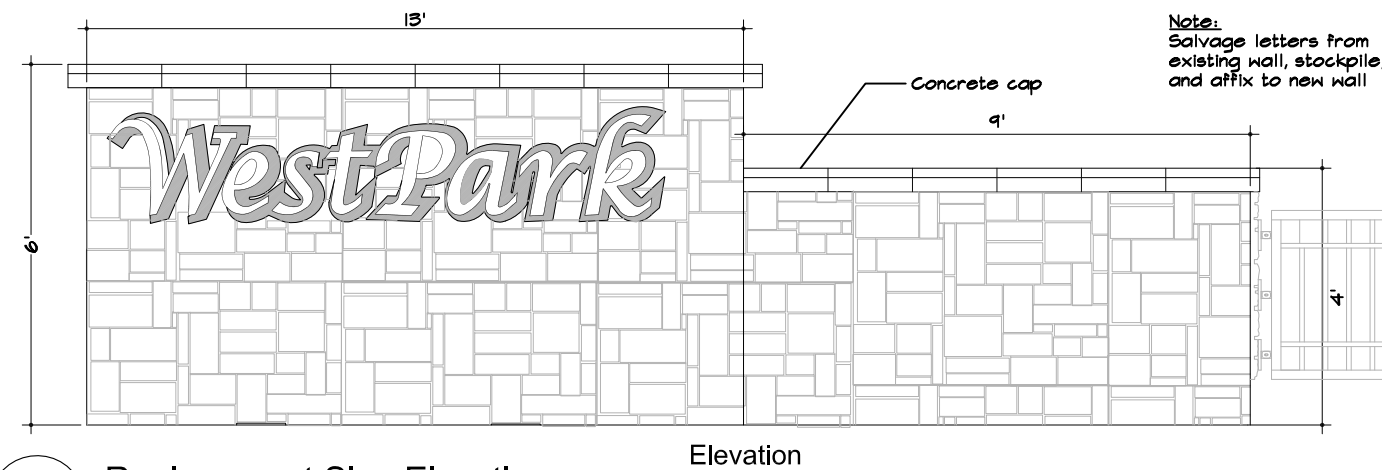


Plan View

Scale: 1"=10'

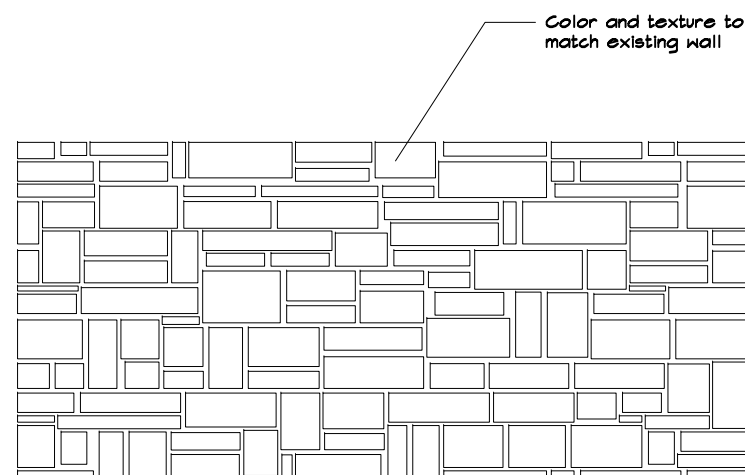


Existing Wall



Replacement Sign Elevation

SCALE: NTS



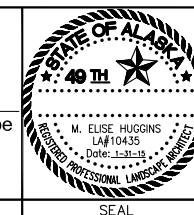
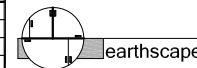
Rockface Pattern Detail

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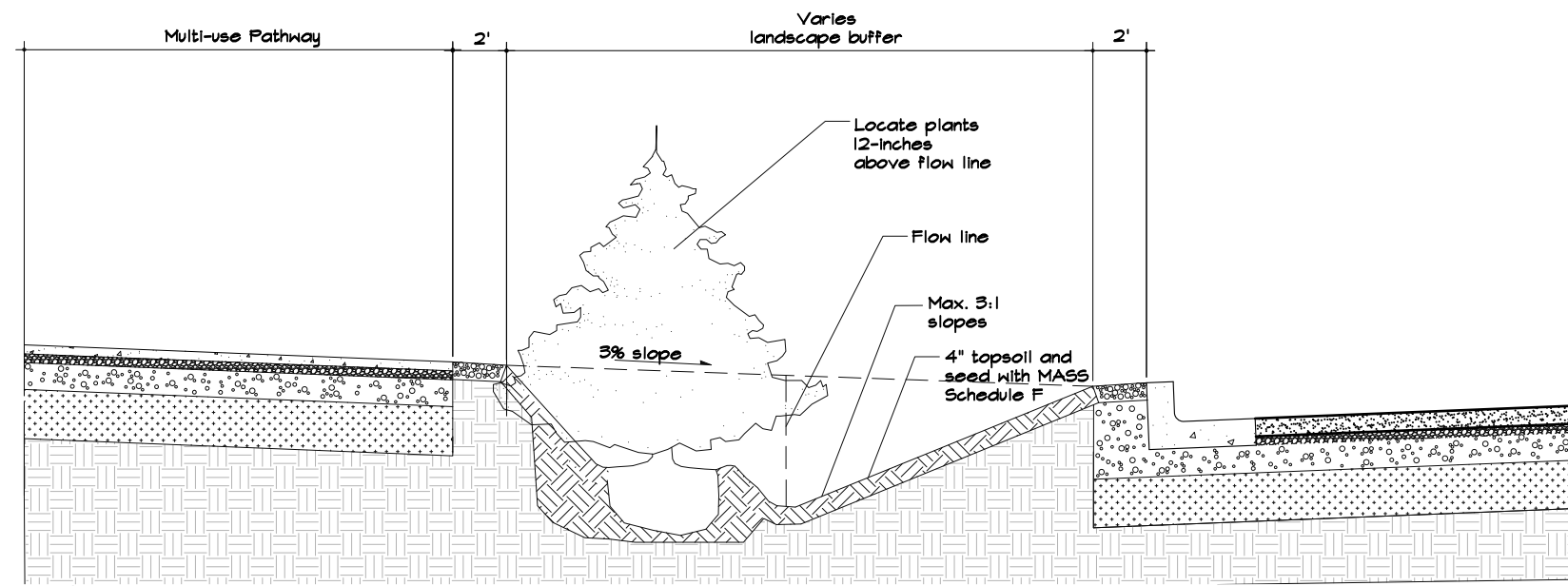
Rockface Veneer

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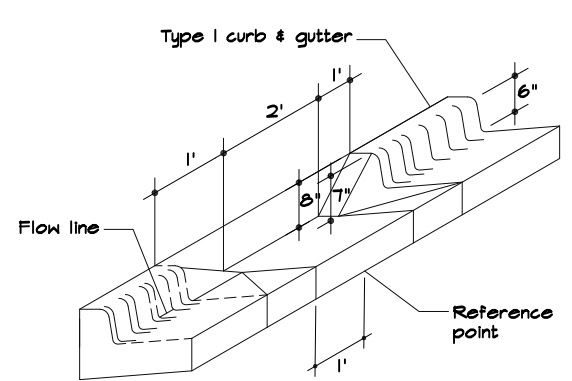
PROJECT MANAGEMENT AND ENGINEERING DIVISION			
05-05	WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD LANDSCAPE PLAN DETAILS		
SCALE	DATE 12/12/14	GRID 2323 2324 2423 2424	SHEET 96 of 106
	ACCT. NO.		

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1 Infiltration Basin Cross-Section
98

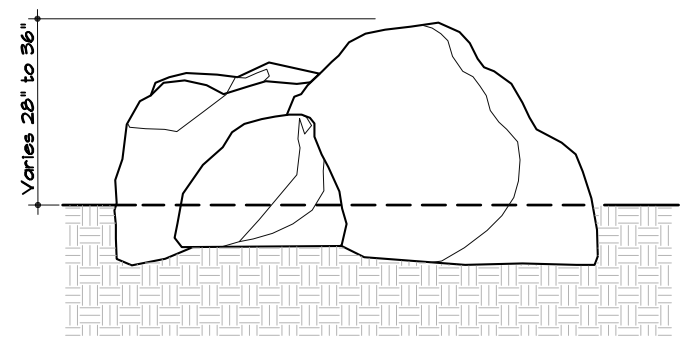
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2 Drainage Curb Cut
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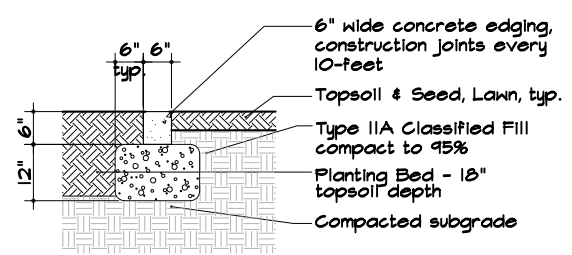
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Bury Rocks 1/3 -1/2. Place rocks as shown on plans. All rocks to abut one another. Engineer to supervise placement. Rocks to be angular, varied diameters, minimum one 4-foot tall rock per mass, with natural appearing fractures and exposed faces.



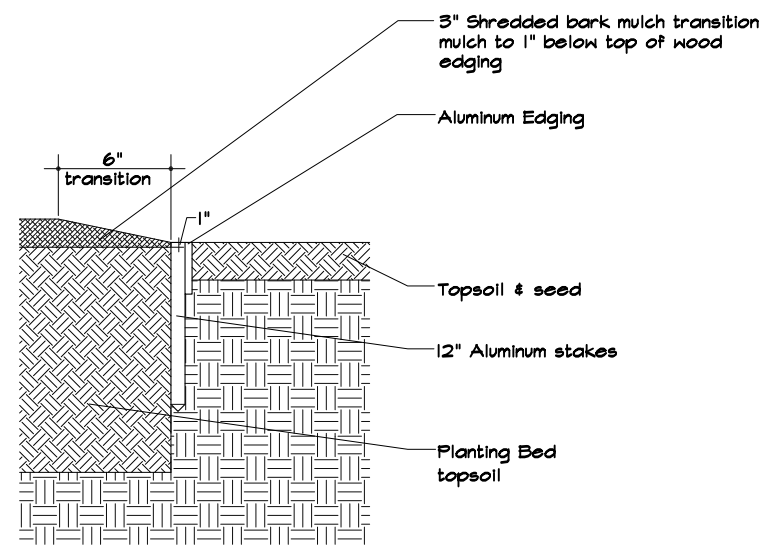
3 Boulder Detail
98

SCALE: NTS



4 Concrete Edging Detail
98

SCALE: NTS



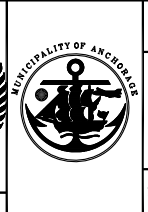
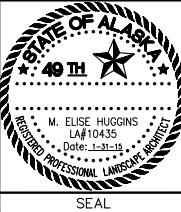
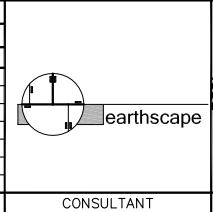
5 Aluminum Edging Detail
98

SCALE: NTS

- Notes:
1. Installation to be completed in accordance with manufacturer's specifications.
 2. 10'-0" sections to include (5) equally spaced 12" aluminum stakes.
 3. Compact grade adjacent to edging to avoid settling, finish grade to be 1/2" below top of edging.
 4. Corners - cut base edging up half way to form a continuous corner.
 5. Curves and radii to be even and smooth without kinks.

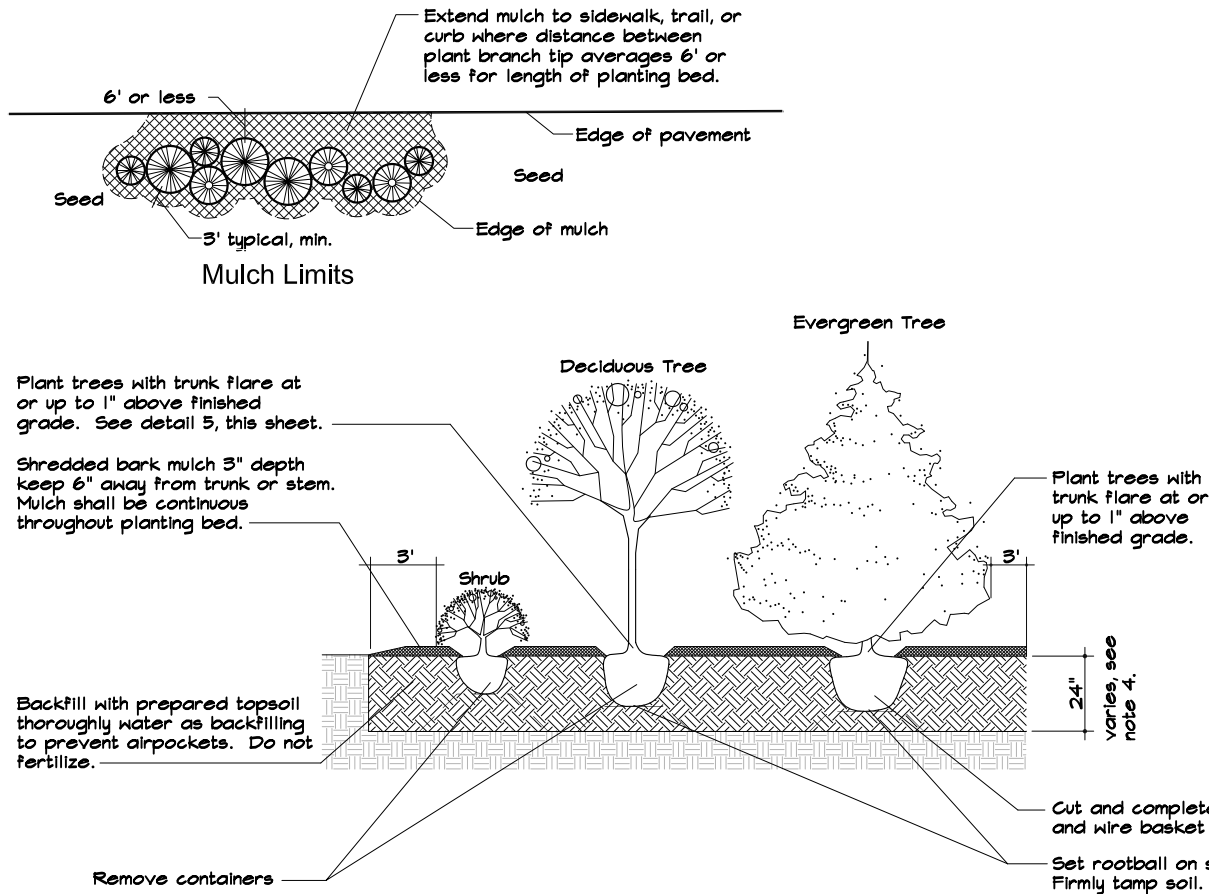
95% DESIGN
JANUARY 2015

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DESIGN					BASE			TELEPHONE										
STAKING					TOPOGRAPHY			ELECTRIC										
					PROFILE			CABLE TV										
					SANITARY SEWER			DESIGN										
ASBUILT					STORM SEWER			QUANTITIES										
CONTRACTOR					WATER			MUN. FINAL CHK.										
INSPECTOR					GAS													
CONSTRUCTION RECORD																		



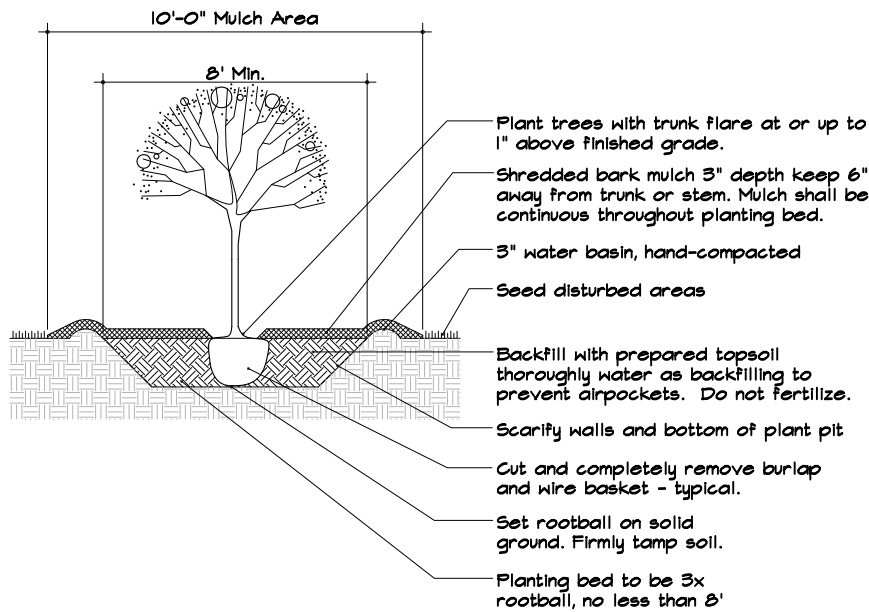
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05-05	WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD
LANDSCAPE PLAN DETAILS	
SCALE	DATE 12/12/14 GRID 2323 2324 2423 2424
ACCT. NO.	SHEET 98 of 106

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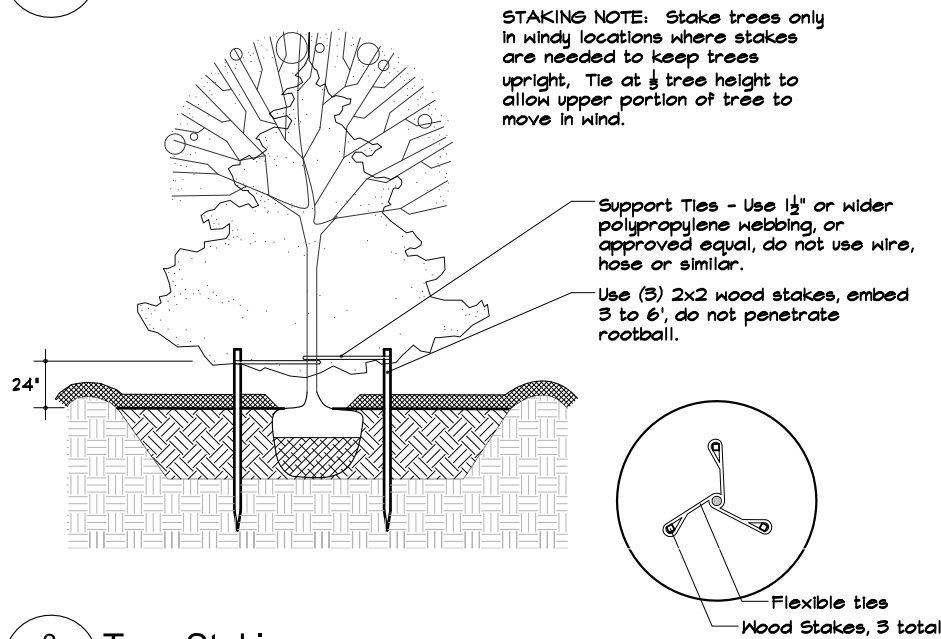
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99
Planting Bed Detail

SCALE: NTS



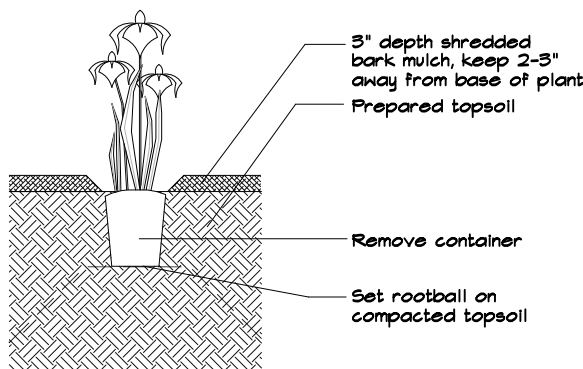
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Single Tree Planting

SCALE: NTS



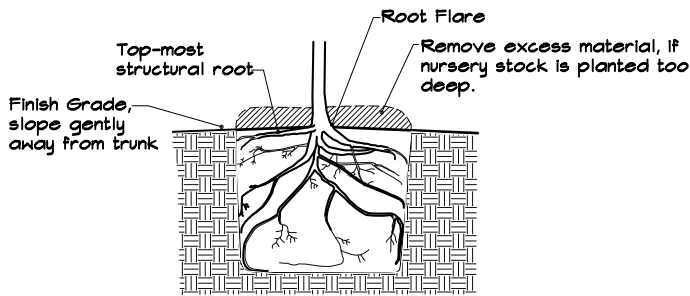
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Tree Staking

SCALE: NTS



4
99
Perennials

SCALE: NTS



5
99
Planting Depth Detail

SCALE: NTS

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												
				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							

earthscape

PROJECT MANAGEMENT AND ENGINEERING DIVISION

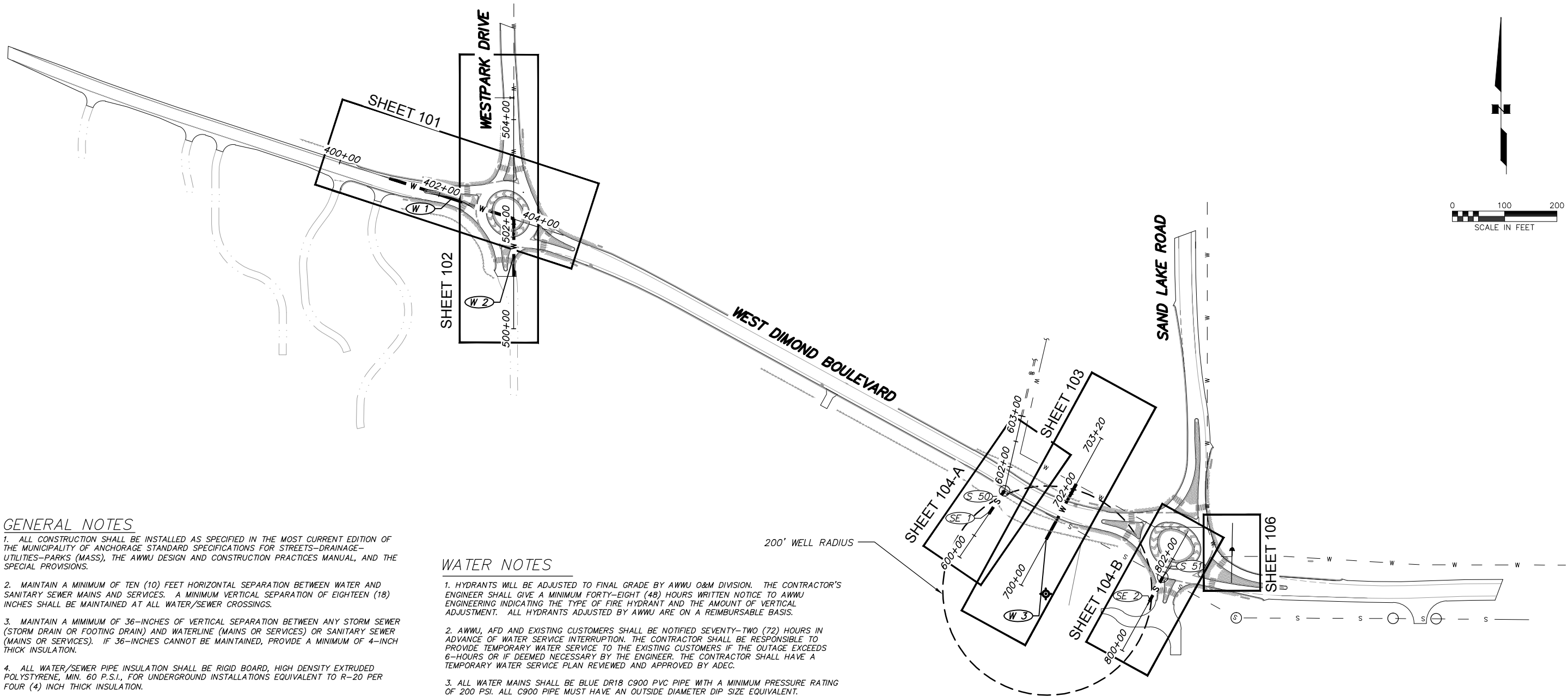
05-05 WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

LANDSCAPE PLAN DETAILS

SCALE	DATE 12/12/14	GRID 2323 2324 2423 2424	SHEET 99 of 106
ACCT. NO.			

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GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE INSTALLED AS SPECIFIED IN THE MOST CURRENT EDITION OF THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS FOR STREETS-DRAINAGE-UTILITIES-PARKS (MASS), THE AWWU DESIGN AND CONSTRUCTION PRACTICES MANUAL, AND THE SPECIAL PROVISIONS.
2. MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY SEWER MAINS AND SERVICES. A MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18) INCHES SHALL BE MAINTAINED AT ALL WATER/SEWER CROSSINGS.
3. MAINTAIN A MINIMUM OF 36-INCHES OF VERTICAL SEPARATION BETWEEN ANY STORM SEWER (STORM DRAIN OR FOOTING DRAIN) AND WATERLINE (MAINS OR SERVICES) OR SANITARY SEWER (MAINS OR SERVICES). IF 36-INCHES CANNOT BE MAINTAINED, PROVIDE A MINIMUM OF 4-INCH THICK INSULATION.
4. ALL WATER/SEWER PIPE INSULATION SHALL BE RIGID BOARD, HIGH DENSITY EXTRUDED POLYSTYRENE, MIN. 60 P.S.I., FOR UNDERGROUND INSTALLATIONS EQUIVALENT TO R-20 PER FOUR (4) INCH THICK INSULATION.
5. CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE CONTRACTOR RECORD DRAWINGS.
6. THE CONTRACTOR SHALL RESTORE ALL DISTURBED PROPERTY, INCLUDING DRAINAGE SWALES, DISTURBED BY CONTRACT ACTIVITIES TO PRECONSTRUCTION CONDITION.
7. IN CASE OF CONFLICT BETWEEN STATIONING LOCATION OF PIPE OR FITTINGS, USE DIMENSIONED LOCATIONS RELATIVE TO THE CENTERLINE OR PROPERTY LINE, THE DIMENSIONED LOCATIONS SHALL GOVERN.
8. THE CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWING PLANS PRIOR TO CONTRACT FINAL PAYMENT.
9. CONTRACTOR SHALL FIELD INSTALL "MEG-A-LUG" JOINT RESTRAINT ON ALL MECHANICAL JOINTS.
10. ALL DUCTILE AND CAST IRON PIPE AND FITTINGS SHALL BE ENCASED IN 8-MILS OF POLYETHYLENE WRAP, AS PER MASS SECTION 60.07 "POLYETHYLENE ENCASEMENT." INSTALL ANODE BAGS AT ALL METALLIC FITTINGS FOR BOTH WATER AND SANITARY SEWER.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.

WATER NOTES

1. HYDRANTS WILL BE ADJUSTED TO FINAL GRADE BY AWWU O&M DIVISION. THE CONTRACTOR'S ENGINEER SHALL GIVE A MINIMUM FORTY-EIGHT (48) HOURS WRITTEN NOTICE TO AWWU ENGINEERING INDICATING THE TYPE OF FIRE HYDRANT AND THE AMOUNT OF VERTICAL ADJUSTMENT. ALL HYDRANTS ADJUSTED BY AWWU ARE ON A REIMBURSABLE BASIS.
2. AWWU, AFD AND EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER SERVICE TO THE EXISTING CUSTOMERS IF THE OUTAGE EXCEEDS 6-HOURS OR IF DEEMED NECESSARY BY THE ENGINEER. THE CONTRACTOR SHALL HAVE A TEMPORARY WATER SERVICE PLAN REVIEWED AND APPROVED BY ADEC.
3. ALL WATER MAINS SHALL BE BLUE DR18 C900 PVC PIPE WITH A MINIMUM PRESSURE RATING OF 200 PSI. ALL C900 PIPE MUST HAVE AN OUTSIDE DIAMETER DIP SIZE EQUIVALENT.
4. ALL TEES, FIRE HYDRANTS AND DEAD-ENDS SHALL HAVE RESTRAINED FITTINGS.
5. ALL BENDS MUST BE CONSTRUCTED WITH DUCTILE IRON FITTINGS AND HAVE RESTRAINED JOINTS AND CONCRETE THRUST BLOCKS.
6. STANDARD PIPE LENGTH SHALL BE TWENTY FEET (20').
7. NO PIPE LENGTH LESS THAN EIGHT FEET (8') SHALL BE INCORPORATED IN THE WATER SYSTEM EXCEPT FOR THOSE NECESSARY FOR FIRE HYDRANTS OR VALVE LOCATIONS UNLESS RESTRAINED.
8. PVC WATER MAINS MUST NOT BE BENT OR FLEXED AT BELL AND SPIGOT. ANY NECESSARY DEFLECTION SHALL BE ACHIEVED THROUGH THE USE OF FITTINGS AND DEFLECTION COUPLINGS.
9. EBAA IRON MEGA-STOP OR EQUAL MUST BE USED AT ALL PIPE CONNECTIONS TO PREVENT OVER-INSERTION.
10. THE CONTRACTOR SHALL PROVIDE ALL SETUP AND TEAR DOWN REQUIRED TO OPEN BORE FLUSH NEWLY INSTALLED WATER PIPE. AWWU WILL PROVIDE FLUSH WATER FROM THE AWWU WATER DISTRIBUTION SYSTEM. THE CONTRACTOR MUST REQUEST WATER AT LEAST 48 HOURS PRIOR TO OPEN BORE BORE FLUSHING. OPEN BORE FLUSHING MUST TAKE PLACE PRIOR TO INSTALLATION OF WATER SERVICES. NEW PIPES THAT ARE TO BE LEFT DRY UPON CONCLUSION OF WORK NEED TO BE THOROUGHLY DRAINED AFTER OPEN BORE FLUSHING TO PREVENT FREEZING OF RESIDUAL WATER.
11. ALL BEDDING AND BACKFILL SHALL BE COMPACTED TO MIN. OF 95% OF MAXIMUM DENSITY.
12. ALL WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 10 FEET OF BURY AT ALL POINTS UNLESS SPECIFIED OTHERWISE ON PLANS.

SANITARY SEWER NOTES

1. EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF SANITARY SEWER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SANITARY SEWER SERVICE TO THE EXISTING CUSTOMERS IF DEEMED NECESSARY BY THE ENGINEER. (TEMPORARY SEWER SERVICE NEEDS AWWU REVIEW AND APPROVAL PRIOR TO CONSTRUCTION).
2. ALL MANHOLES SHALL HAVE A MINIMUM OF ONE-SIX (6") INCH GRADE RING. MAXIMUM GRADE RING ADJUSTMENT SHALL NOT EXCEED EIGHTEEN (18") INCHES.
3. ALL SANITARY SEWER MAINS SHALL BE GREEN DR18 C900 PVC PIPE WITH A MINIMUM PRESSURE RATING OF 200 PSI. ALL PVC PIPE IS TO BE IRON PIPE SIZE EQUIVALENT.
4. STANDARD PIPE LENGTH SHALL BE TWENTY FEET (20').
5. ANY NECESSARY CHANGES IN DIRECTION MUST USE MANHOLES.
6. ALL BEDDING MATERIAL SHALL BE MODIFIED CLASS 'E' WITH A MAXIMUM AGGREGATE SIZE OF 1/2".
7. BEDDING AND BACKFILL SHALL BE COMPACTED TO MIN. OF 95% OF MAXIMUM DENSITY.
8. ALL PIPE SHALL HAVE CERTIFYING MARKINGS AT REGULAR INTERVALS IDENTIFYING THE AWWA STANDARD C900.
9. 4" RIGID INSULATION BOARD SHALL BE PLACED ALONG EXISTING 16" DIP SANITARY SEWER PIPE BETWEEN MANHOLES S50 AND S51 WHERE EVER THE DEPTH OF BURY IS LESS THAN 5.5' FROM FINISH GRADE TO TOP OF PIPE.



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DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE
BASE	-	-	TELEPHONE	-	-		
TOPOGRAPHY	-	-	ELECTRIC	-	-		
PROFILE	-	-	CABLE TV	-	-		
SANITARY SEWER	-	-	TRAFFIC SIGNAL	-	-		
STORM SEWER	-	-	DESIGN	-	-		
WATER	-	-	QUANTITIES	-	-		
GAS	-	-	MUN. FINAL CHECK	-	-		
PLAN CHECK				REVISIONS			

RECORD DRAWING		Note: To be filled out on original drawings upon project completion.	
1. DATA PROVIDED BY:		3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.	
BY: _____		DATA TRANSFER CHECKED BY: _____	
TITLE: _____		COMPANY: _____	
DATE: _____		BY: _____	
2. DATA TRANSFERRED BY: _____		TITLE: _____	
COMPANY: _____		DATE: _____	
DATE: _____			

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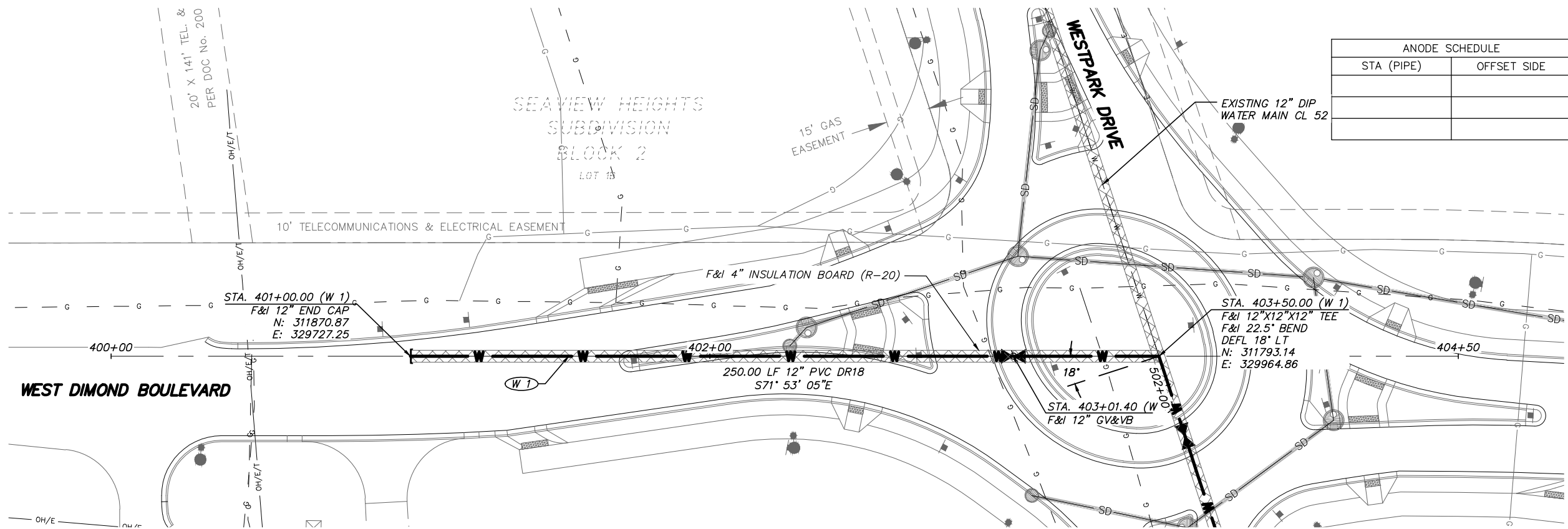
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ANCHORAGE WATER & WASTEWATER UTILITY AWWU MUNICIPALITY OF ANCHORAGE
SEAL

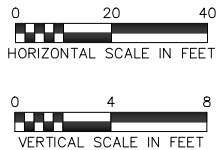
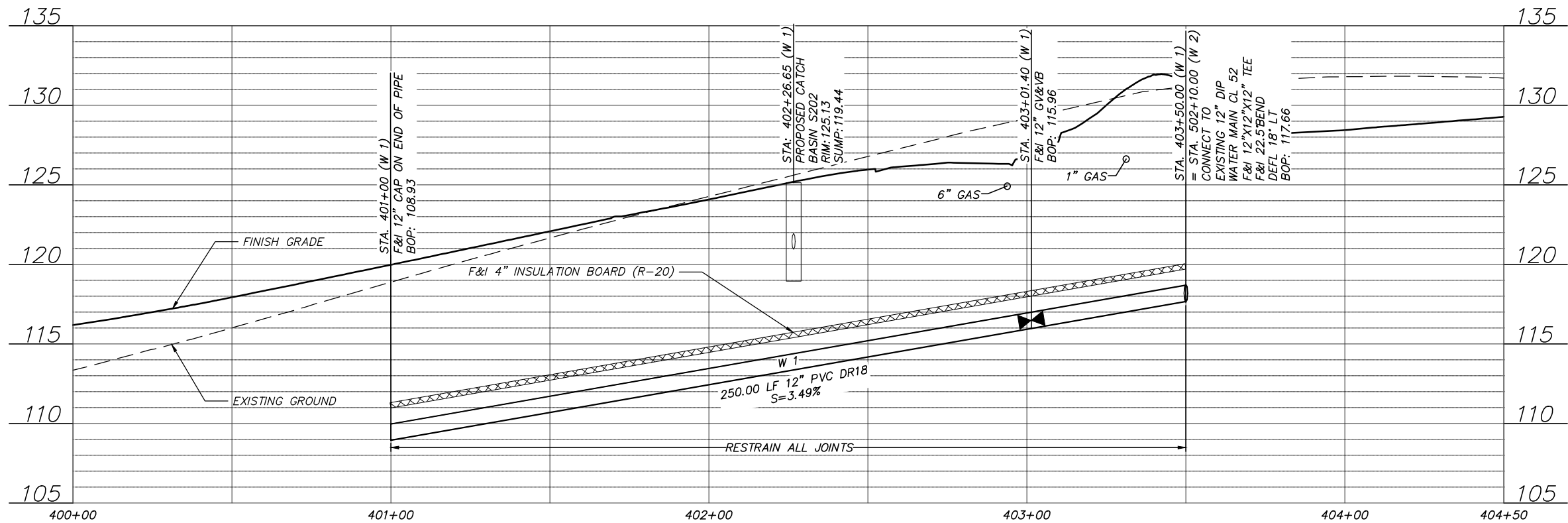
MUNICIPALITY OF ANCHORAGE WATER & WASTEWATER UTILITY			
WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD			
WATER & SEWER KEY MAP			
HORIZ SCALE: 1"=100' VERT SCALE: 1"=100'	DATE: 12/12/2014	GRID: 2323 2324 2423 2424	PROJ. ID.: 100 SHEET 106

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ANODE SCHEDULE	
STA (PIPE)	OFFSET SIDE



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FULL SIZE SCALE
HORZ SCALE: 1"=20'
VERT SCALE: 1"=4'

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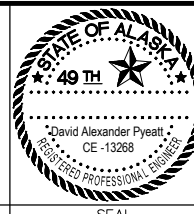
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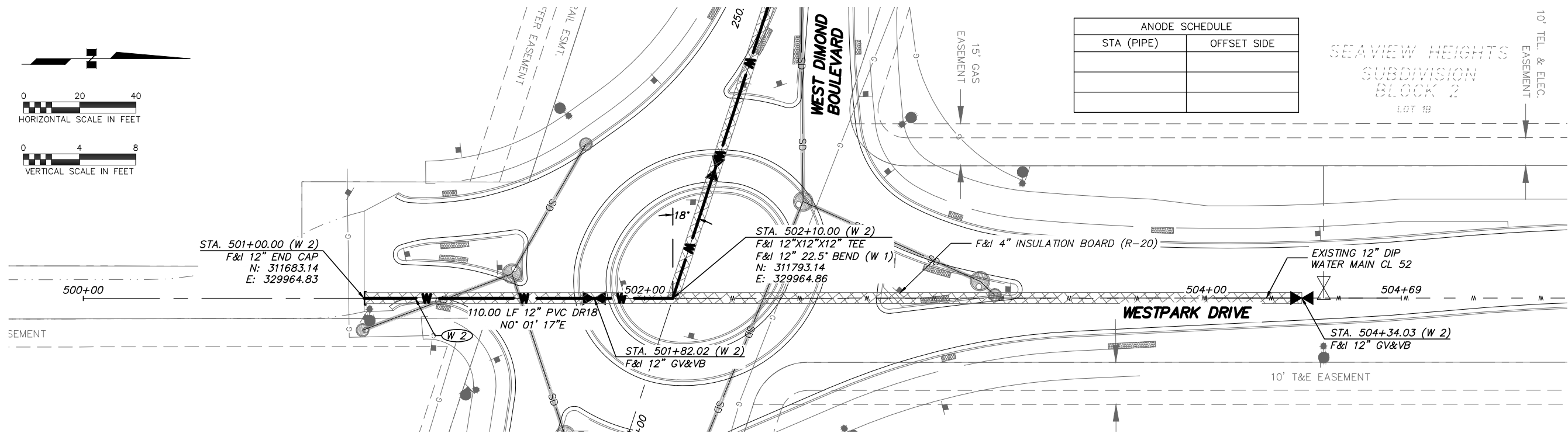
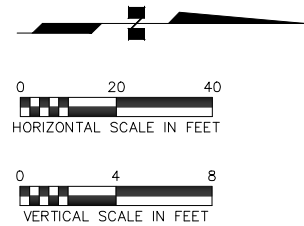
WEST DIMOND BOULEVARD UPGRADE
PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD

W1 PLAN & PROFILE

HORZ SCALE: 1"=20'
VERT SCALE: 1"=4'
DATE: 12/12/2014
GRID: 2323 2324
2423 2424
PROJ. ID.: SHEET **101** of **106**

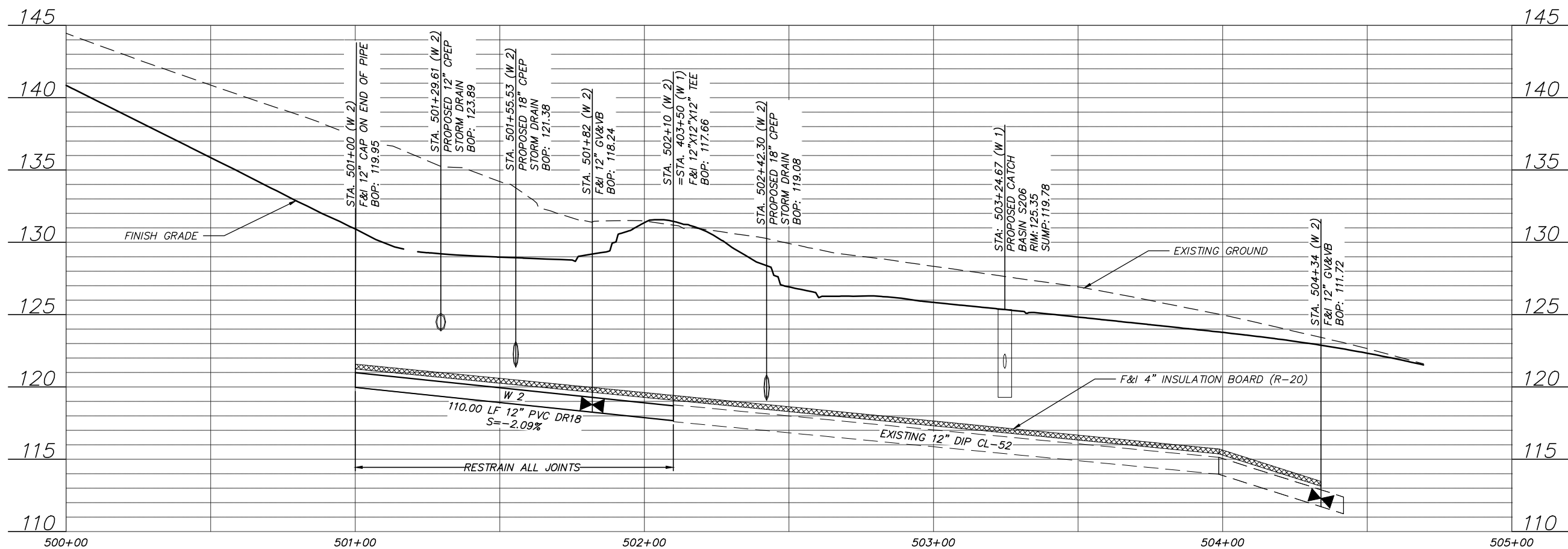
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ANODE SCHEDULE	
STA (PIPE)	OFFSET SIDE

SEAVIEW HEIGHTS
SUBDIVISION
BLOCK 2
LOT 1B



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STORM SEWER	-	-	DESIGN	-	-		
WATER	-	-	QUANTITIES	-	-		
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PLAN CHECK				REVISIONS			

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		BY: _____	
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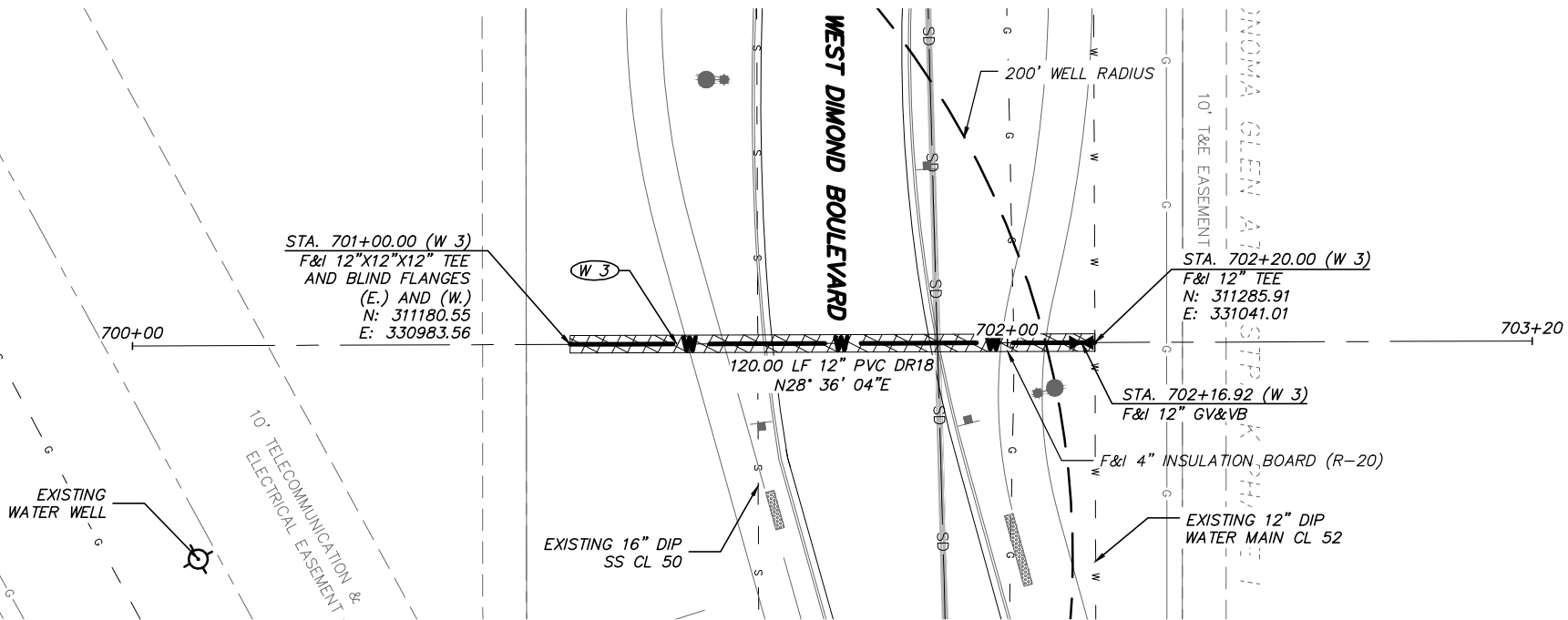
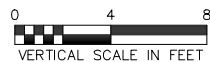
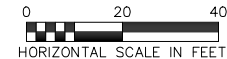
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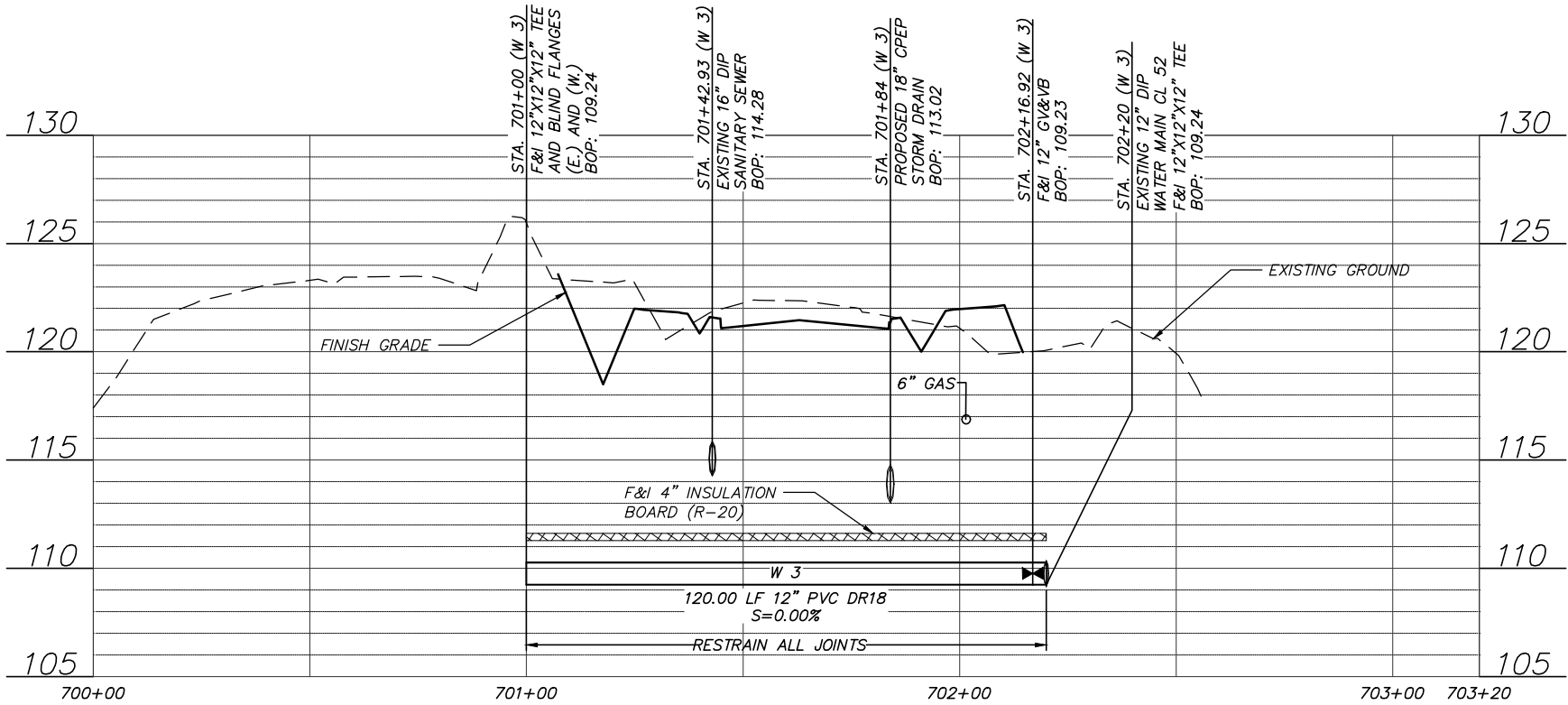
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WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD			
W2 PLAN & PROFILE			
HORZ SCALE: 1"=20' VERT SCALE: 1"=4'	DATE: 12/12/2014	GRID: 2323 2324 2423 2424	102 SHEET 106
PROJ. ID.:			

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PROFILE	-	-	CABLE TV	-	-		
SANITARY SEWER	-	-	TRAFFIC SIGNAL	-	-		
STORM SEWER	-	-	DESIGN	-	-		
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PLAN CHECK				REVISIONS			

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BY: _____		BY: _____	
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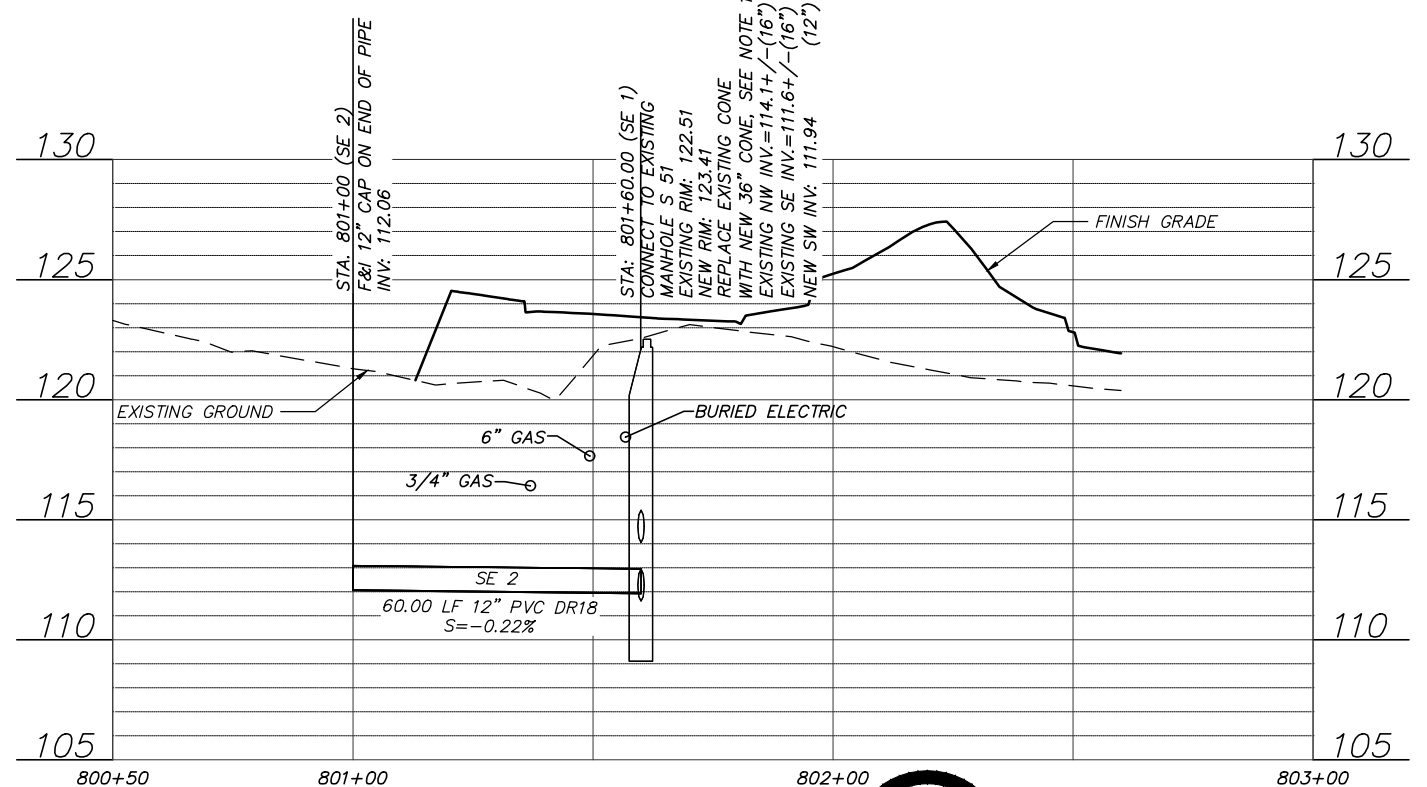
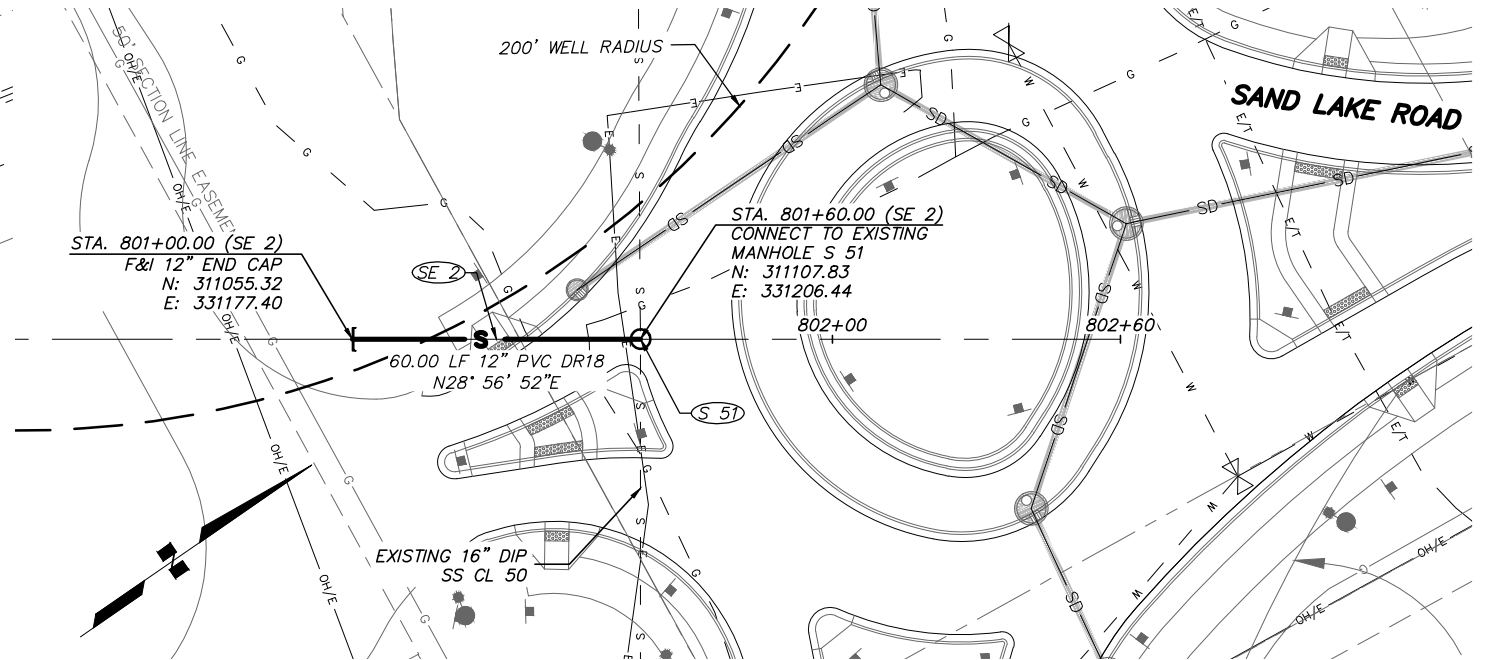
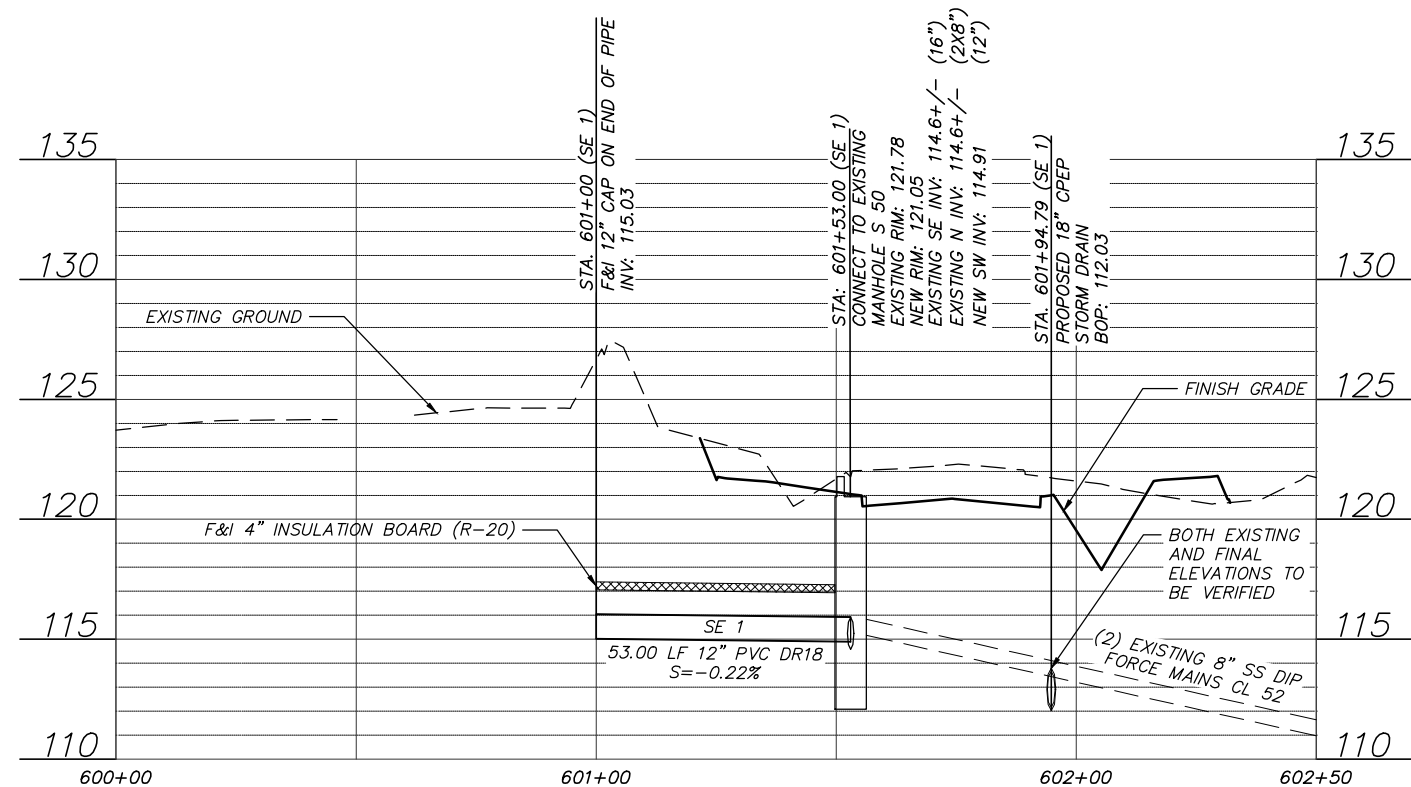
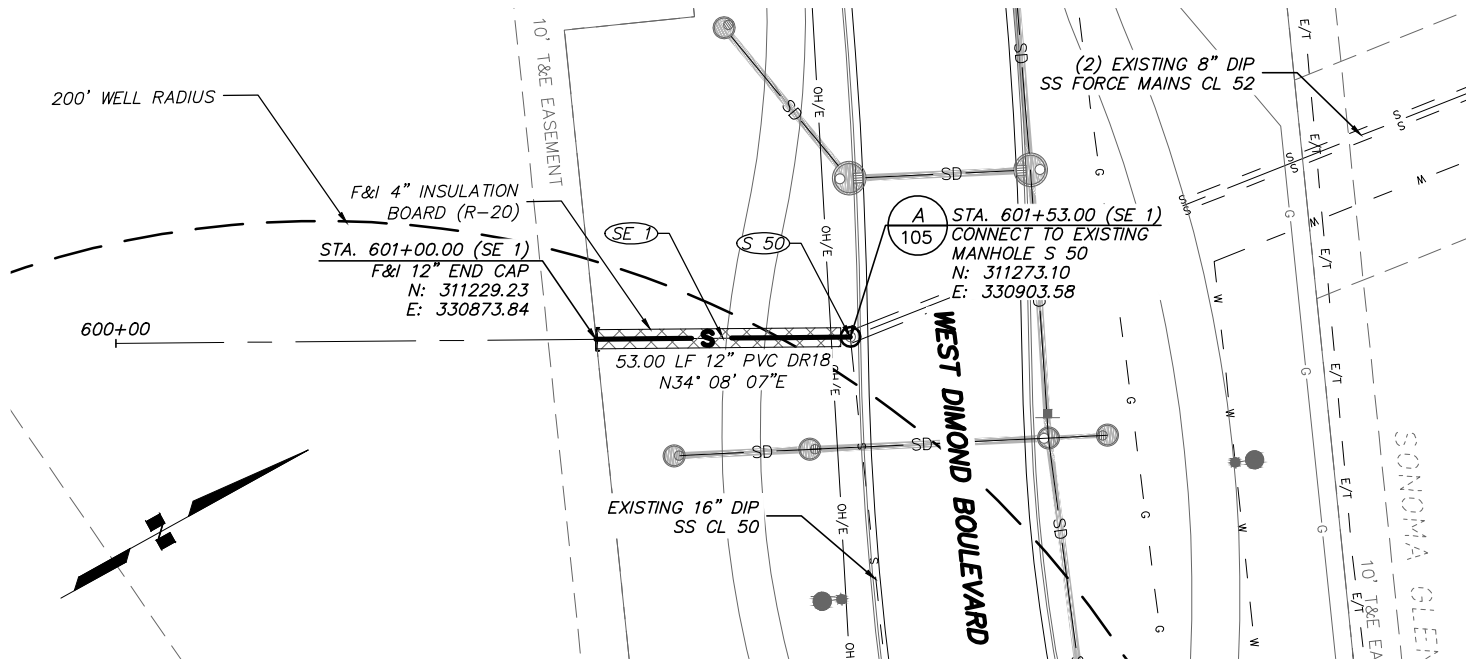
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W3 PLAN & PROFILE			
HORZ SCALE: 1"=20'	DATE: 12/12/2014	GRID: 2323 2324 2423 2424	SHEET 103 of 106
PROJ. ID.:			



NOTES

1. ALL WORK FOR ADJUSTING THE REDUCING SLAB, INSTALLING STEPS, REMOVING OLD STEPS, AND ADJUSTING TO FINISH GRADE WILL BE PAID IN ACCORDANCE WITH 50.16 - REHABILITATE EXISTING SANITARY SEWER MANHOLE.



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NOTIFY SUBSCRIBED UTILITIES ONLY.
OTHER UTILITIES NEED TO BE
CONTACTED INDIVIDUALLY.

**65% DESIGN
JANUARY 2015**

VERIFY SCALE				THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.				IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.				FULL SIZE SCALE			
DATA	DRAWN BY	CHECKED BY	DATE	DATA	DRAWN BY	CHECKED BY	DATE	DATA	DRAWN BY	CHECKED BY	DATE	DATA	DRAWN BY	CHECKED BY	DATE
BASE	-	-	-	TELEPHONE	-	-	-	DESIGN	-	-	-	PLAN CHECK	-	-	-
TOPOGRAPHY	-	-	-	ELECTRIC	-	-	-	REVISIONS	-	-	-		-	-	-
PROFILE	-	-	-	CABLE TV	-	-	-		-	-	-		-	-	-
SANITARY SEWER	-	-	-	TRAFFIC SIGNAL	-	-	-		-	-	-		-	-	-
STORM SEWER	-	-	-	DESIGN	-	-	-		-	-	-		-	-	-
WATER	-	-	-	QUANTITIES	-	-	-		-	-	-		-	-	-
GAS	-	-	-	MUN. FINAL CHECK	-	-	-		-	-	-		-	-	-

RECORD DRAWING				Note: To be filled out on original drawings upon project completion.			
1. DATA PROVIDED BY:				3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.			
BY: _____				DATA TRANSFER CHECKED BY: _____			
DATE: _____				BY: _____			
2. DATA TRANSFERRED BY:				DATE: _____			
COMPANY: _____							
DATE: _____							

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

SEAL	
David Alexander Pyeatt CE-13268 REGISTERED PROFESSIONAL ENGINEER	

MUNICIPALITY OF ANCHORAGE	
ANCHORAGE WATER & WASTEWATER UTILITY	

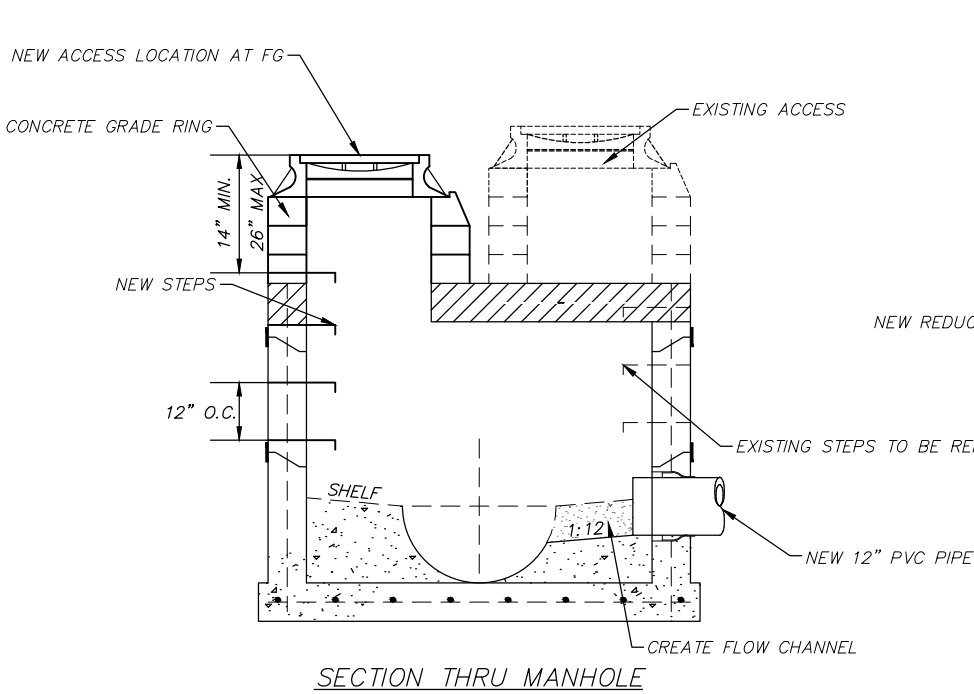
MUNICIPALITY OF ANCHORAGE WATER & WASTEWATER UTILITY			
WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD			
SE1 & SE2 PLAN & PROFILE			
HORZ SCALE: 1"=20' VERT SCALE: 1"=4'	DATE: 12/12/2014	GRID: 2323 2324 2423 2424	104 of 106
PROJ. ID.:			SHEET

Z:\project\1317.01-- West Dimond Blvd\Engineering\Acad\1317-M-Water & Sewer Manhole Adjustment Detail.dwg

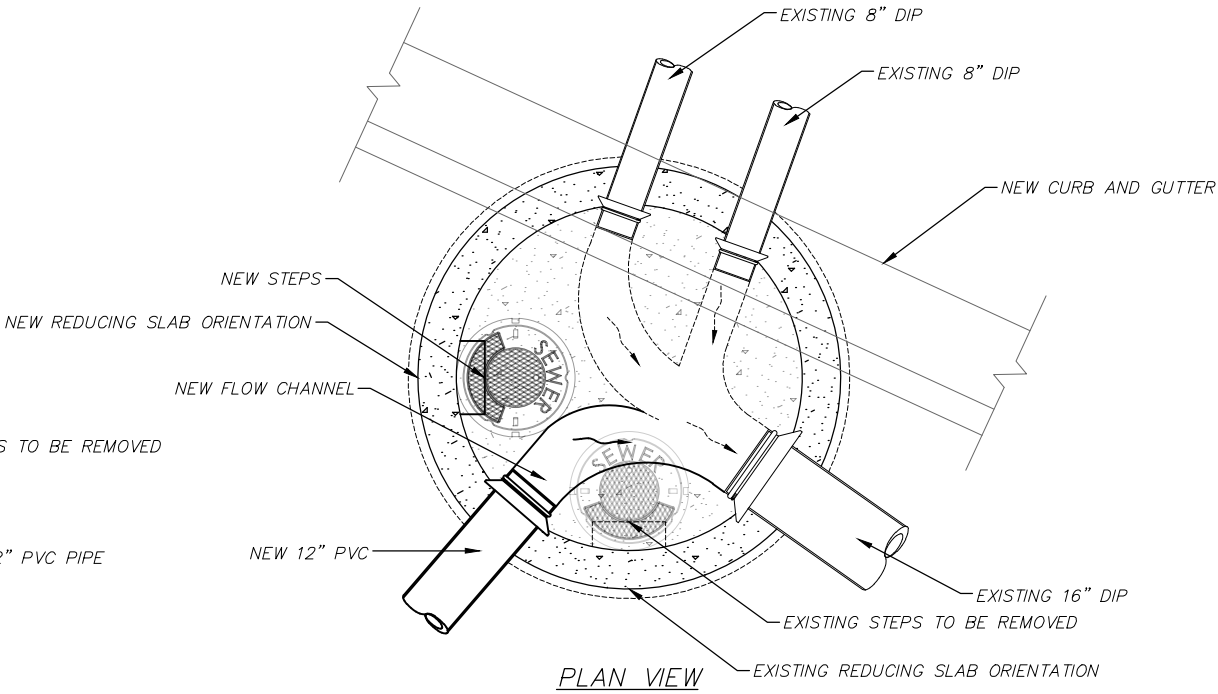
Plotted 1/30/2015 10:05 AM by Morgan Welch

NOTES

1. REMOVE EXISTING MANHOLE FRAME, LID, GRADE RINGS AND LADDER RUNGS.
2. ROTATE EXISTING REDUCING SLAB TO ACCOMMODATE NEW MANHOLE LOCATION. COORDINATE WITH PROPOSED CURB TO AVOID CONFLICT.
3. REMOVE OR INSTALL GROUT AS NECESSARY TO CREATE FLOW CHANNEL FROM THE NEW 12" PVC PIPE OUTLET CONVERGING WITH EXISTING FLOW CHANNELS.
4. INSTALL GRADE RINGS TO MATCH FINISHED GRADE.
5. COAT ALL EXTERIOR CONCRETE W/ TUFF-N-DRI XTS OR EQUIVALENT.
6. WRAP EXPOSED CONCRETE WITH 8 MIL POLYETHYLENE (3 LAYERS).
7. PROVIDE NEW RAM-NEK OR EQUIVALENT SEALANT BETWEEN MANHOLE BARREL AND REDUCING SLAB.
8. ALL WORK FOR ADJUSTING THE REDUCING SLAB, INSTALLING STEPS, REMOVING OLD STEPS, AND ADJUSTING TO FINISH GRADE WILL BE PAID IN ACCORDANCE WITH 50.16 - REHABILITATE EXISTING SANITARY SEWER MANHOLE.



SECTION THRU MANHOLE



PLAN VIEW

A
105
MANHOLE REHABILITATION-S50
NTS

AWWU PLAN SET NO. 10564

65% DESIGN
JANUARY 2015

VERIFY SCALE			THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING.					IF BAR IS NOT ONE INCH, ADJUST DRAWING SCALE ACCORDINGLY.					FULL SIZE SCALE HORZ SCALE: VERT SCALE:	
DATA	DRAWN BY	CHECKED BY	DATA	DRAWN BY	CHECKED BY	REV	DATE	DESCRIPTION					BY	
BASE	-	-	TELEPHONE	-	-									
TOPOGRAPHY	-	-	ELECTRIC	-	-									
PROFILE	-	-	CABLE TV	-	-									
SANITARY SEWER	-	-	TRAFFIC SIGNAL	-	-									
STORM SEWER	-	-	DESIGN	-	-									
WATER	-	-	QUANTITIES	-	-									
GAS	-	-	MUN. FINAL CHECK	-	-									
PLAN CHECK							REVISIONS							

RECORD DRAWING		Note: To be filled out on original drawings upon project completion.	
1. DATA PROVIDED BY:		3. Based on periodic field observations by the	
This shall serve to certify that these Record Drawings are a true and accurate representation of the project as constructed.		Engineer (or an individual under his/her direct supervision), the Contractor-provided data appears to represent the project as constructed.	
CONTRACTOR:		DATA TRANSFER CHECKED BY:	
BY: _____ TITLE: _____		COMPANY: _____	
DATE: _____		BY: _____ TITLE: _____	
2. DATA TRANSFERRED BY:		DATE: _____	
COMPANY: _____			
DATE: _____			

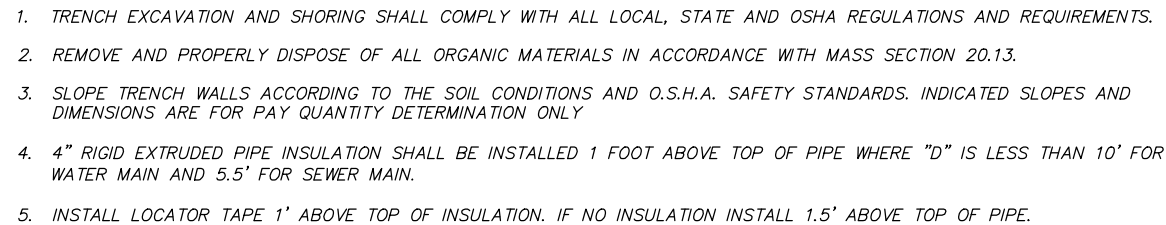
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CONSULTANT

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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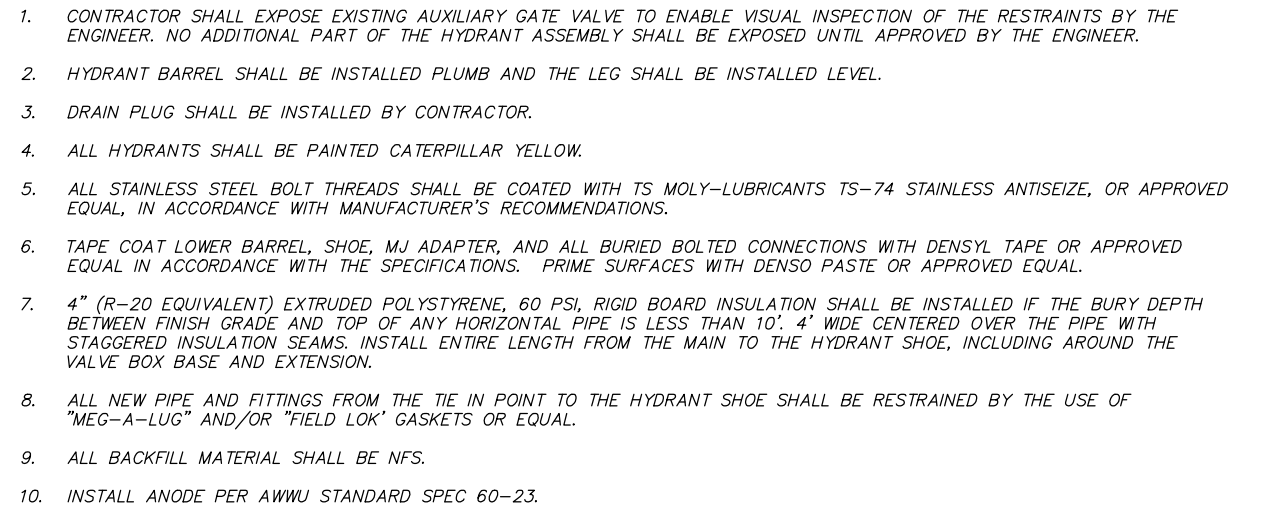
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AWWU

MUNICIPALITY OF ANCHORAGE WATER & WASTEWATER UTILITY			
WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD			
DETAIL MANHOLE ADJUSTMENT			
HORIZ SCALE:	DATE: 12/12/2014	GRID: 2323 2324 2423 2424	SHEET 105 of 106
PROJ. ID.:			



NTS

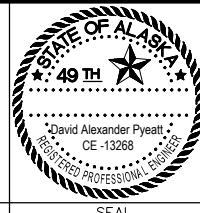


NTS

RECORD DRAWING 1. DATA PROVIDED BY: _____ This shall serve to certify that these Record Drawings are a true and accurate representation of the project as constructed. CONTRACTOR: _____ BY: _____ TITLE: _____ DATE: _____		Note: To be filled out on original drawings upon project completion. 3. Based on periodic field observations by the Engineer (or an individual under his/her direct supervision), the Contractor—provided data appears to represent the project as constructed. DATA TRANSFER CHECKED BY: _____ COMPANY: _____ BY: _____ TITLE: _____ DATE: _____	
2. DATA TRANSFERRED BY: _____ COMPANY: _____ DATE: _____			

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MUNICIPALITY OF ANCHORAGE WATER & WASTEWATER UTILITY			
WEST DIMOND BOULEVARD UPGRADE PHASE I: WESTPARK DRIVE TO SAND LAKE ROAD			
DETAILS TRENCH & HYDRANT ASSEMBLY			
HORZ SCALE: VERT SCALE:	DATE: 12/12/2014	GRID: 2323 2324 2423 2424	106 106
PROJ. ID.:			SHEET