

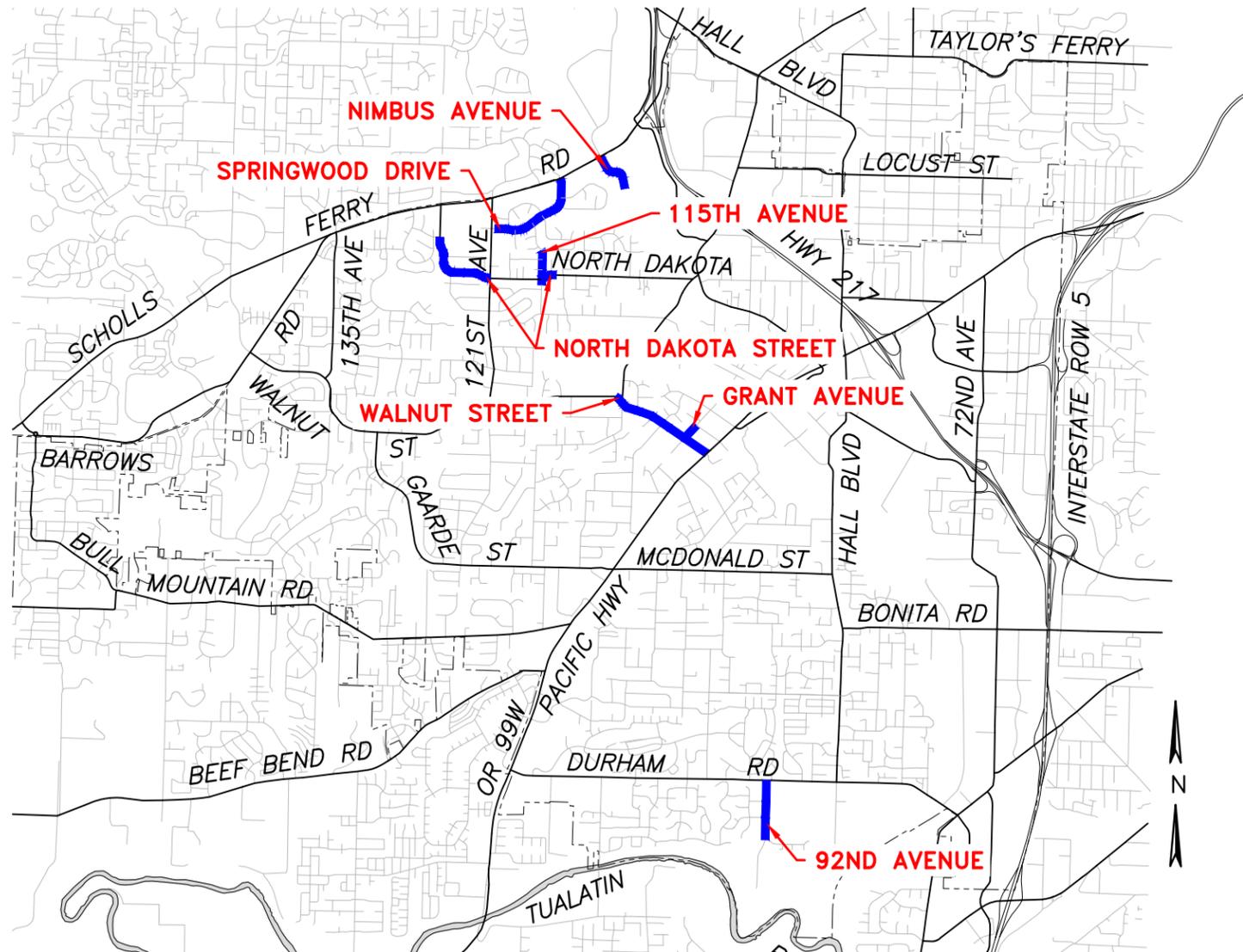
# CITY OF TIGARD OREGON

## PLANS FOR PROJECT

# FY 2015-16 PAVEMENT MANAGEMENT PROGRAM

## Pavement Rehabilitation

City Wide



### INDEX OF SHEETS

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### ODOT Standard Drawings:

RD360	TM475
RD366	TM480
RD610	TM500
RD700	TM501
RD720	TM503
RD755	TM521
RD756	TM530
RD757	TM531
RD759	TM539
RD1010	TM561

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987).

ATTENTION: Notify NW natural at (503)220-2415 when excavating within 5' of an existing high pressure gas main.



**NOTE:**  
PLANS APPROVED FOR CONSTRUCTION ONLY IF PLOTTED IN "COLOR" ON 11X17.

<b>Gabriel E. Crop P.E.</b> PROJECT ENGINEER	 <b>TIGARD</b>	<b>ENGINEERING DIVISION</b> <b>PUBLIC WORKS DEPARTMENT</b>
<b>2015-95001 OL</b> PROJECT NUMBER		13125 S.W. HALL BLVD. TIGARD, OREGON 97223 VOICE: 503-639-4171 FAX: 503-624-0752 WWW.TIGARD-OR.GOV



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PAVEMENT REHABILITATION QUANTITY TABLE

BID ITEM	UNIT	NIMBUS	SPRINGWOOD	NORTH DAKOTA	WALNUT	GRANT	92ND	TOTAL
		END TO SCHOLLS FERRY	121ST TO SCHOLLS FERRY	SPRINGWOOD TO 121ST & 115TH TO GALLO	TIEDEMAN TO 99W	WALNUT TO MCKENZIE	WAVERLY TO DURHAM	
CONSTRUCTION SURVEY WORK	LS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
REMOVAL OF SURFACINGS	SQYD	0	250	650	300	70	120	1,390
ADD MANHOLE PAVING RINGS	EA	1	1	14	23	4	6	49
MINOR ADJUSTMENT OF MANHOLE	EA	2	6	1	1	0	0	10
ADJUSTING WATER OR GAS VALVE BOXES	EA	2	7	19	14	2	3	47
ADJUSTING CATCH BASINS	EA	0	0	0	2	1	0	3
ADJUSTING MONUMENT BOXES	EA	0	0	0	8	0	0	8
REPLACE OR INSTALL MONUMENT BOX	EA	1	6	13	2	0	2	24
RECONDITIONING EXISTING ROADWAY	LS	0	1	0	0	0	0	1
COLD PLANE PAVEMENT REMOVAL, 0 - 2 INCHES DEEP	SQYD	710	990	1,680	3,160	160	1,350	8,050
COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD	3,550	0	980	1,070	120	0	5,720
COLD PLANE PAVEMENT REMOVAL, 3 INCHES DEEP	SQYD	0	4,820	0	0	0	0	4,820
AGGREGATE BASE	TON	0	52	115	52	12	15	246
AGGREGATE SHOULDERS	TON	0	0	0	0	4	7	11
LEVEL 2, 1/2 INCH DENSE HMAC MIXTURE, PG 64-22	TON	910	1,390	1,330	1,320	160	870	5,980
CURB SEALING	LF	3,490	3,570	590	4,550	480	1,020	13,700
6 INCH WIDE FEATHERED EDGE SEAL	LF	130	320	4,360	360	700	1,600	7,470
EXTRA FOR SPOT GRIND AND INLAY AREAS	SQYD	290	0	510	290	120	0	1,210
ASPHALT BERMS	LF	0	0	0	172	26	10	208
ASPHALT SPEED CUSHIONS	EA	0	4	3	0	1	0	8
CONCRETE CURBS, CURB AND GUTTER	LF	0	0	0	50	0	0	50
CONCRETE CURBS, STANDARD CURB	LF	0	380	760	220	60	80	1,500
CONCRETE CURBS, GRADE CORRECTION	LF	0	200	420	130	50	70	870
TRUNCATED DOMES	SQFT	0	0	0	30	0	0	30
CONCRETE WALKS	SQFT	0	1,310	3,160	1,630	360	420	6,880
BI-DIRECTIONAL BLUE TYPE 1AR MARKERS	EA	5	6	7	8	2	4	32
LONGITUDINAL PAVEMENT MARKINGS - PAINT	LF	0	0	0	0	0	2400	2,400
THERMOPLASTIC, EXTRUDED, SURFACE, NON-PROFILED	LF	1010	0	4230	6280	780	9420	21,720
PAVEMENT LEGEND, TYPE B-HS: ARROWS	EA	6	0	0	14	2	4	26
PAVEMENT LEGEND, TYPE B-HS: BUMP	EA	0	8	6	0	1	0	15
PAVEMENT LEGEND, TYPE B-HS: SPEED CUSHION	EA	0	4	3	0	1	0	8
PAVEMENT LEGEND, TYPE B-HS: "SCHOOL XING"	EA	0	0	0	2	0	1	3
PAVEMENT LEGEND, TYPE B-HS: BICYCLE LANE SYMBOLS	EA	0	0	0	0	0	8	8
PAVEMENT BAR, TYPE B-HS	SQFT	0	16	646	991	94	30	1,777
LOOP DETECTOR INSTALLATION, NIMBUS AVE AND SCHOLLS FERRY RD	LS	1	0	0	0	0	0	1
LOOP DETECTOR INSTALLATION, WALNUT ST AND TIEDEMAN AVE	LS	0	0	0	1	0	0	1
LOOP DETECTOR INSTALLATION, WALNUT ST AND 99W	LS	0	0	0	1	0	0	1

PAVEMENT REHABILITATION LEGEND

- = Asphalt concrete paving (see sheet notes for thicknesses)
- = 2" spot grind and AC inlay
- = 2" grind and AC inlay
- = 3" grind, recondition roadway and 4" AC inlay - To be placed in two lifts
- = Wedge grind 0" to 2" (unless otherwise noted) - See detail, sheet G4
- = Shoulder rock transition - See detail, sheet G3
- = Pavement edge tapering - See detail, sheet G4
- = AC berm - See detail, sheet G3
- = New sidewalk ramp
- = Replace traffic loop detector - See Oregon Standard Drawings TM475 and TM480

UTILITY LEGEND

- |                          |                          |                                                                      |
|--------------------------|--------------------------|----------------------------------------------------------------------|
| Protect Existing Utility | Adjust to Finished Grade |                                                                      |
|                          |                          | = Cleanout                                                           |
|                          |                          | = Sanitary/Storm Drain Manhole (paving ring, unless otherwise noted) |
|                          |                          | = Gas Valve                                                          |
|                          |                          | = Monument Box                                                       |
|                          |                          | = Water Valve                                                        |
|                          | N/A                      | = Fire Hydrant                                                       |
|                          |                          | = Telephone Manhole (paving ring)                                    |
|                          |                          | = Adjust Catch Basin - See detail, sheet G5                          |
|                          |                          | = Catch Basin (Feather asphalt to match gr)                          |

GENERAL NOTES:

- All asphaltic concrete shall be level 2 HMAc (or WMAc - see specs) 1/2" dense PG64-22, except drainage berms, which shall be 3/8" dense.
  - Contractor shall remove all pavement markings such as legends, turn arrows, reflective markers, buttons and raised domes prior to pavement overlay.
  - Prior to paving, riser rings used in the adjustment of existing utility structures shall be tested for fitness. Contractor shall obtain approval of the new riser rings from the Engineer three business days prior to paving.
  - All joints, sawcuts and curb faces shall be tack coated with bituminous asphalt emulsion. See Special Provision 00745 for Hot Joint Seal requirements.
  - Longitudinal joints shall match striping locations. See striping plans. If no striping is to be installed, place joint at street centerline.
  - Pave driveway and street transitions concurrently with street pavement unless otherwise approved by the Engineer.
  - Contractor shall remove cold mix asphalt from around newly replaced water valve boxes prior to paving street at no additional cost to the City.
- SIGNING:**
- City will provide 3'x4' plastic project signs. Contractor shall place signs on supports approved by the inspector and at locations shown on plans or as approved by inspector.

EDGE SEALING:

- Seal all feathered edge joints and tapered edges with 6" wide hot crack seal. See ODOT Standard Specifications for Construction Vol 2 Section 00745.

- Seal along all edges where new pavement abuts existing pavement or curb. See ODOT Standard Specifications for Construction Vol 2 Section 00745 or special provisions.

SPOT GRIND:

- Inspector may adjust grind depth and locations. Spot grinding will be paid at the appropriate grind bid item plus extra for spot grind and inlay.

EROSION CONTROL:

- Install filter inserts (Type 3) per Oregon Standard Drawing RD1010 for all inlets within project area and immediately downstream of paving limits.

DRAWING NOTES:

- All drawings are from GIS Data and are schematic in nature.
- All quantities are based on horizontal linear foot measurements.
- Alignments are for reference only and do not represent street centerline.



Revisions and Addendums			
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NO SCALE



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PUBLIC WORKS DEPARTMENT

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Murray, Smith & Associates, Inc.  
Engineers/Planners  
Portland, Oregon

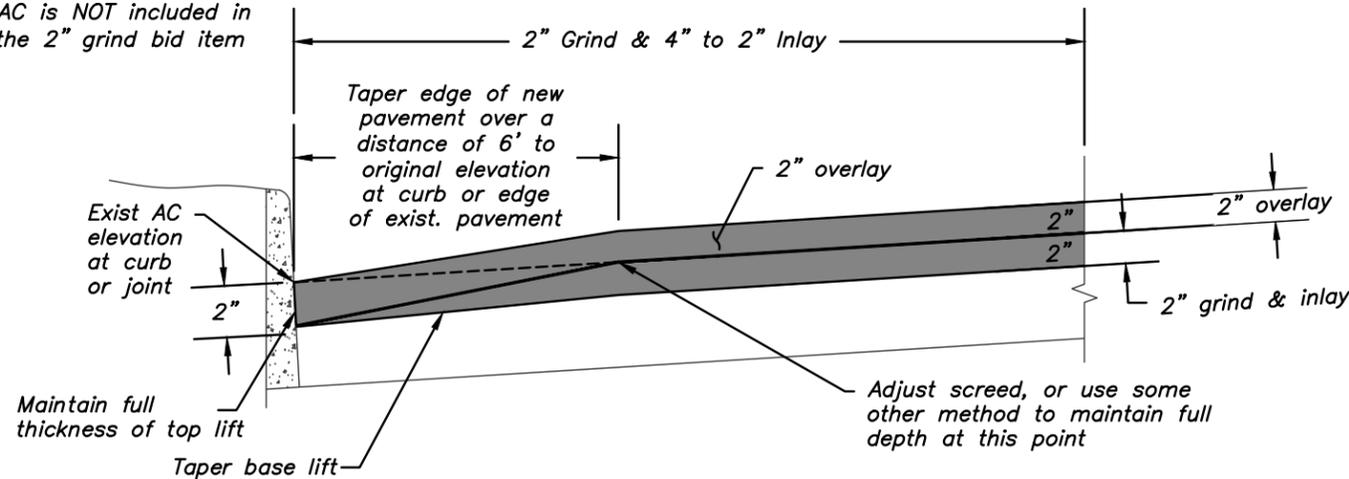
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FY 2015-16 PAVEMENT MANAGEMENT PROGRAM

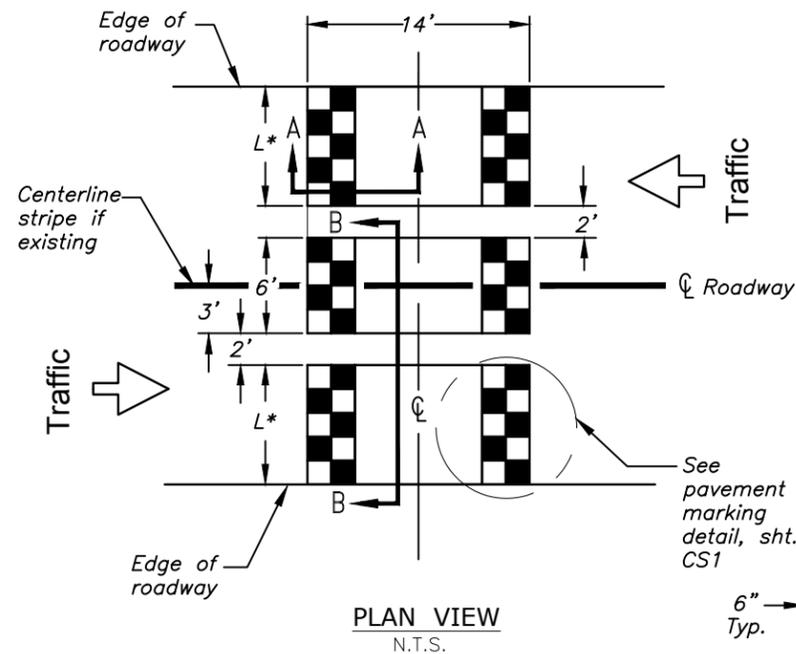
Pavement Rehabilitation  
Quantities, Legend and Notes

SHEET  
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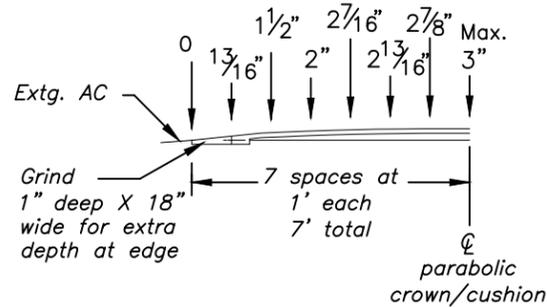
NOTE:  
AC is NOT included in the 2" grind bid item



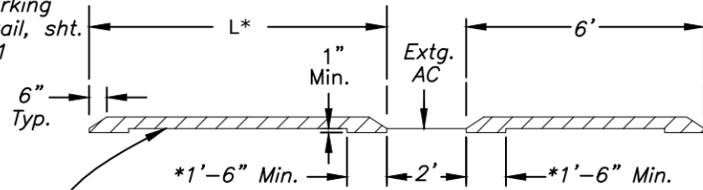
**2" GRIND & INLAY WITH 2" OVERLAY DETAIL**  
NTS



**PLAN VIEW**  
N.T.S.



**SECTION VIEW A - A**  
Symetrical About L  
N.T.S.



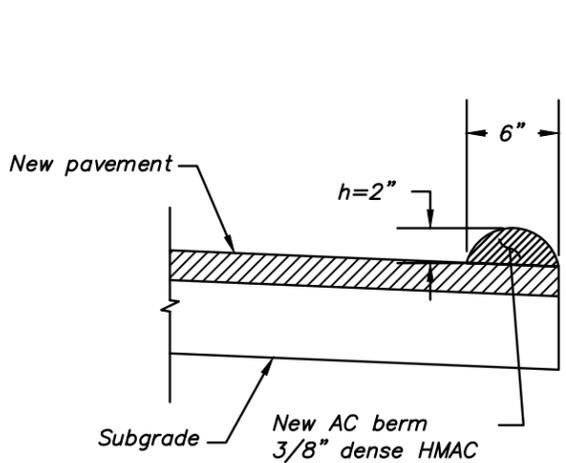
**SECTION VIEW B - B**  
N.T.S.

**Notes:**

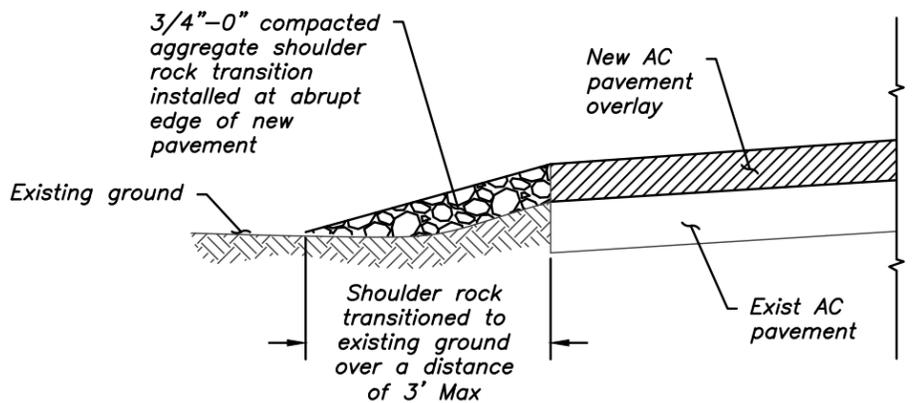
- 1) Asphalt shall be rolled for compaction per specifications. Finish edges by applying tackcoat & sand sweepings.
- 2) Some or all speed humps may be deleted from project by the Engineer.

Paving material: Level 2 1/2" dense HMAC  
\*Grind 1" deep X 18" wide for extra depth at edge

\* Length varies depending on roadway width. leave 1' gap from edge of cushion to curb if L > 6'.



**AC BERM**  
NTS



**SHOULDER ROCK TRANSITION**  
NTS

**SPEED CUSHION**  
NTS



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Engineers/Planners  
Portland, Oregon

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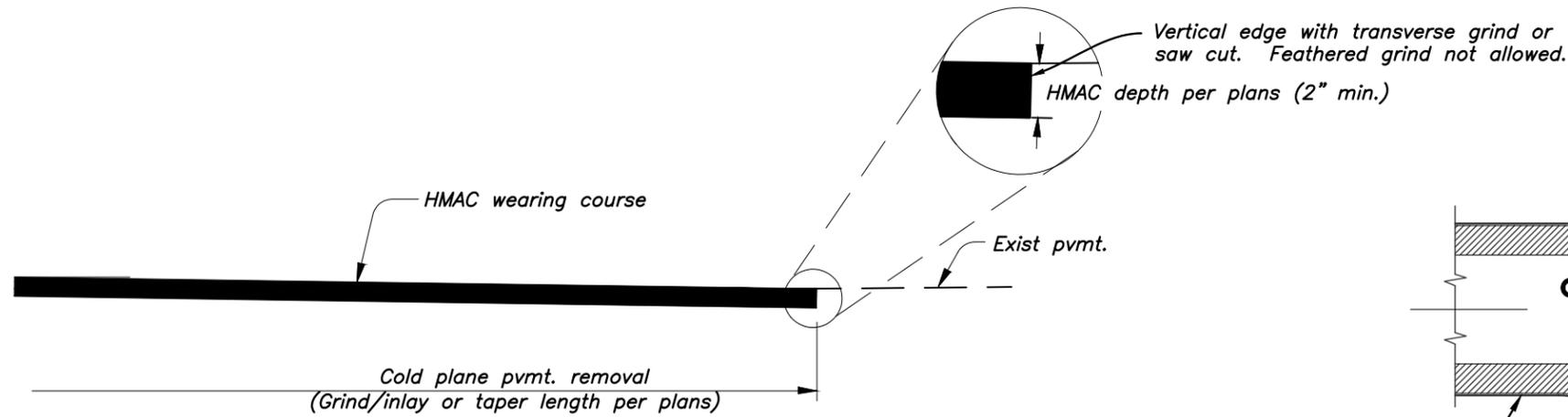
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

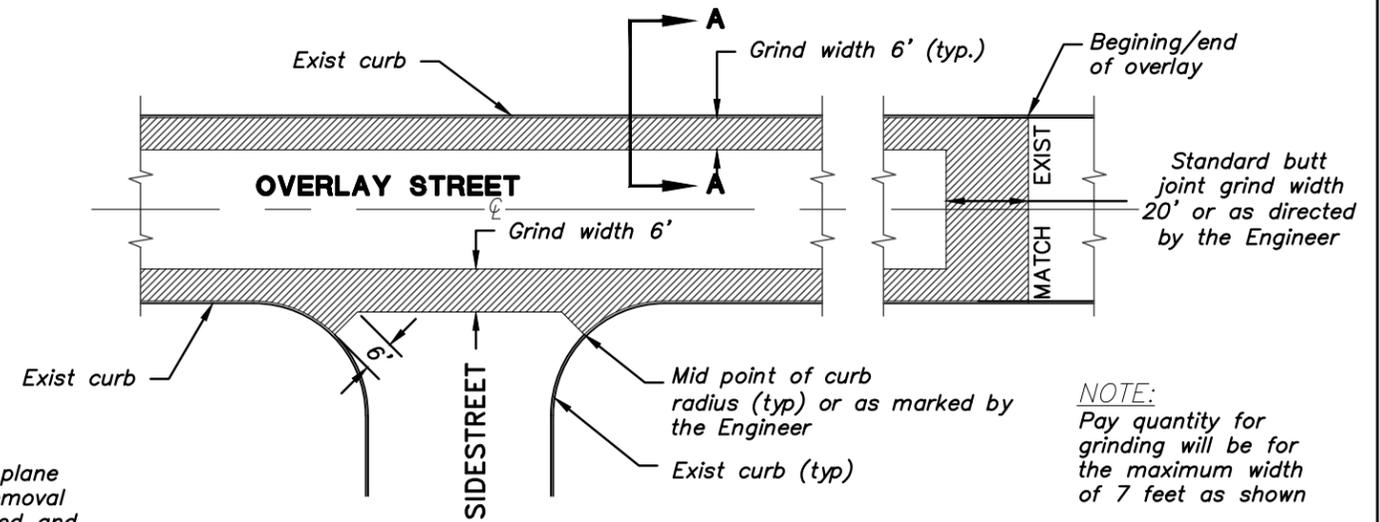
**Paving Details**

SHEET	G3
OF	56

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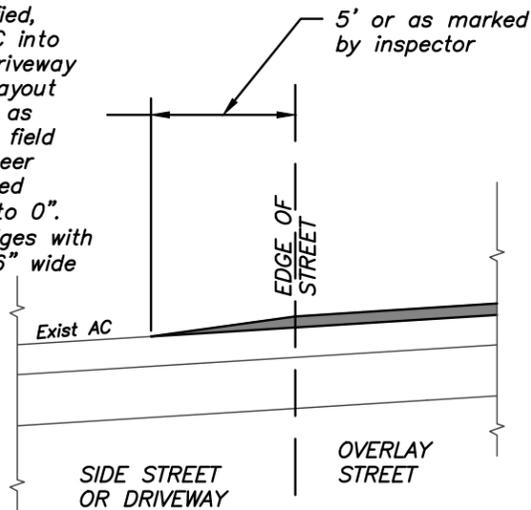


**AC PAVEMENT MATCH AT PROJECT ENDS**  
NTS



**NOTE:**  
Pay quantity for grinding will be for the maximum width of 7 feet as shown

Where cold plane pavement removal is not specified, feather new AC into side street or driveway as shown on layout drawings, or as marked in the field by the engineer from specified overlay depth to 0". Seal feathered edges with hot crack seal 6" wide



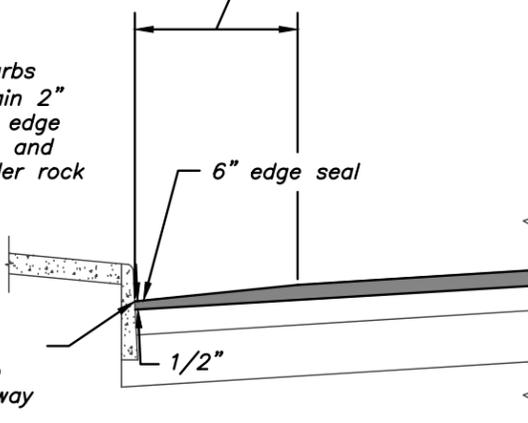
**PAVEMENT EDGE FEATHERING**  
NTS

Where cold plane pavement removal is not specified and curb exists, taper edge of pavement from specified overlay depth to 1/2" over a distance of 4' to existing curb

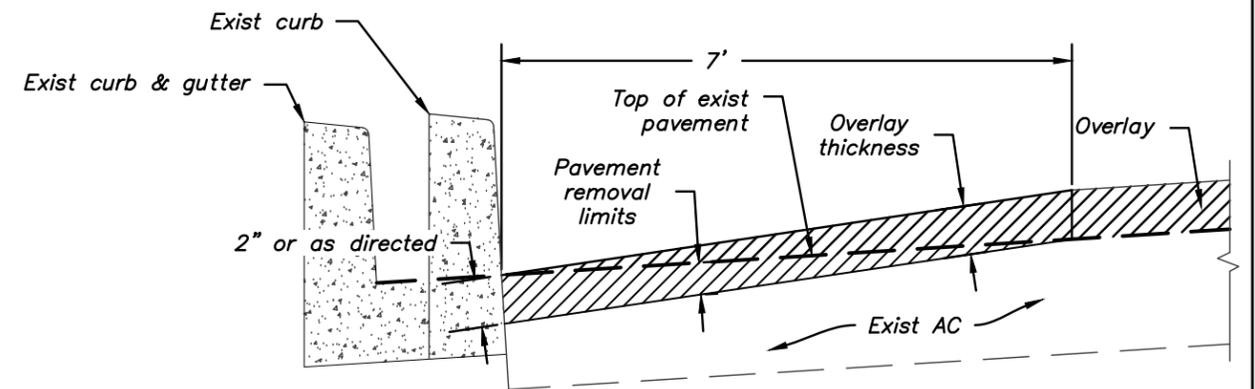
**NOTE:**

Where no curbs exist, maintain 2" thickness at edge of pavement and place shoulder rock transition

Feather new pavement to match driveway elevations



**PAVEMENT EDGE TAPERING**  
NTS



**OVERLAY WEDGE GRIND**  
NTS

**SECTION A-A**



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Portland, Oregon

TIGARD

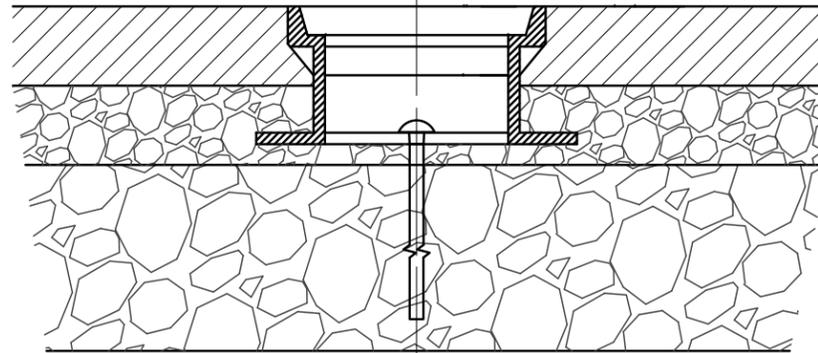
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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

**Paving Details**

SHEET	G4
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**MONUMENT CASE & COVER**

NTS

NOTES:

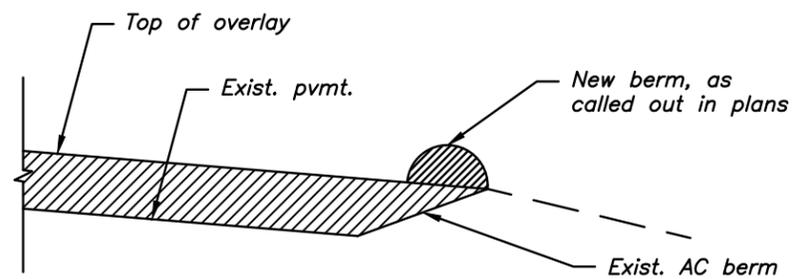
1. Monument boxes to be cast iron or alloy suitable for heavy traffic loading supplied by:

East Jordan Iron Works, Inc.  
(Part Number 3614A & 3614Z)

OR

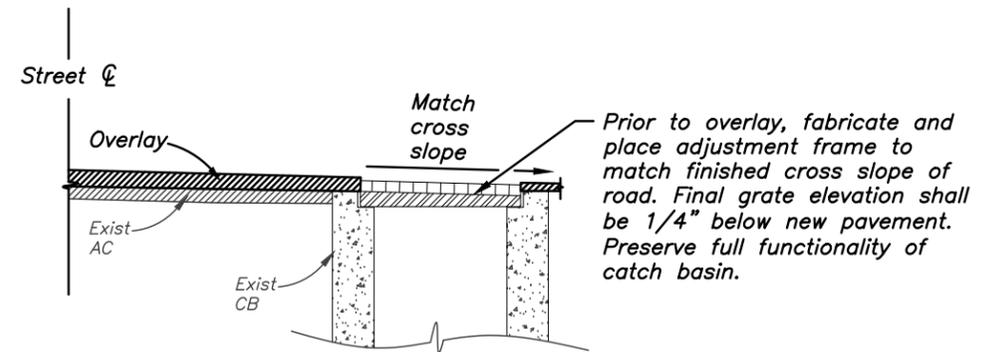
Olympic Foundry, Inc.  
(Part Number M1014)

2. Alternative types must be approved by the Engineer.



**WALNUT STREET BERM**

NTS



**CATCH BASIN ADJUSTMENT**

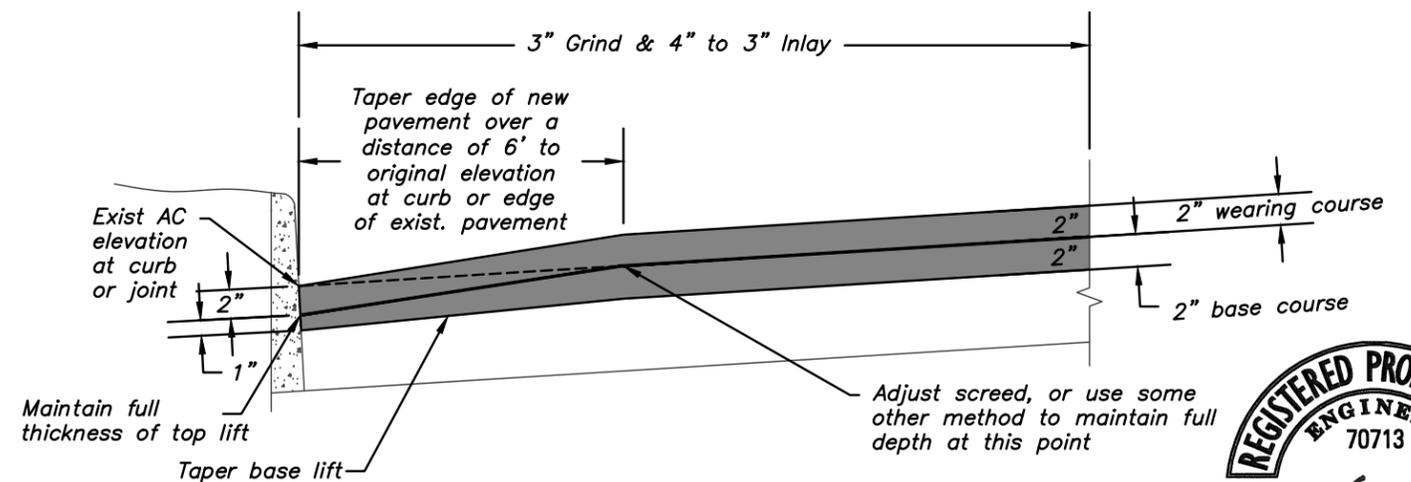
NTS

NOTES:

1. Catch basin adjustment frame shall be made of the same or better material as the inlet frame.

2. Weld frame to existing frame for at least 6" on at least 3 sides, and at least 50% of the perimeter or as required by the Engineer.

3. Welded frame shall replicate the full grate support provided by the existing frame.



**3" GRIND 4" INLAY/OVERLAY DETAIL**

NTS



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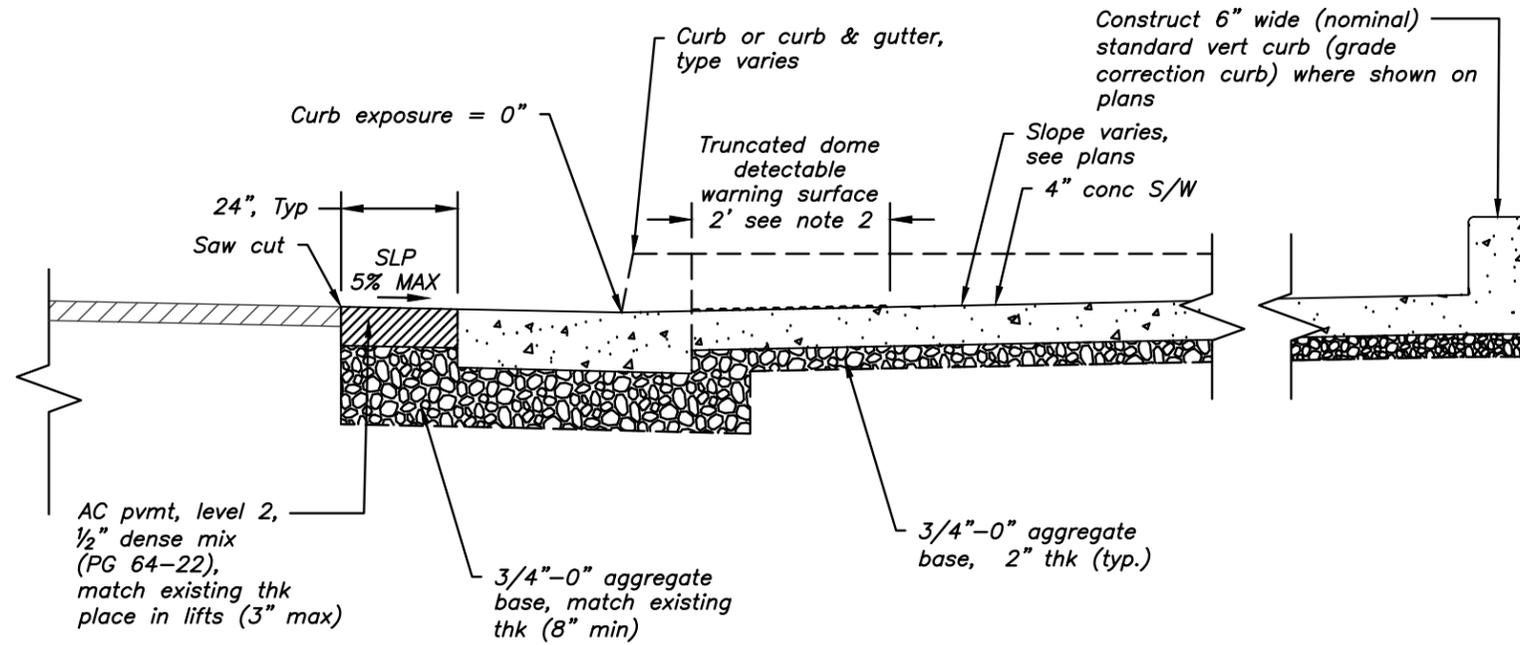
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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

**Paving Details**

SHEET	G5
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**Notes:**

1. Tooled joints are required at all sidewalk ramp slope break lines.
2. Place truncated dome detectable warning surface in the lower 2 feet adjacent to traffic of throat of ramp only.
3. Adjust curb profile within landing area as needed. Blend with existing street grade to minimize effect of change.

**TYPICAL SIDEWALK RAMP REPLACEMENT SECTION**

NTS

**SIDEWALK RAMP GENERAL NOTES:**

1. Contractor shall be responsible for meeting all Americans with Disabilities (ADA) requirements as defined by the public rights-of-way accessibility guidelines (PROWAG). Details and dimensions shown are approximate only and intended as a guide for initial layout purposes only and are not complete. Contractor shall take all necessary field measurements and otherwise verify all dimensions to meet ADA requirements. Should any error or inconsistency exist, the Contractor shall not proceed with the work affected until reported to the Engineer for clarification or correction.
2. No survey has been completed for these ramps. GIS mapping was used to create the project plan sheets and curb ramp details shown. Dimensions are approximate and shall be verified. Reference Oregon Standard Drawings RD700, RD720, RD755, RD756, RD757, RD759 for additional information.
3. All survey and staking necessary for construction shall be provided by the Contractor. The Contractor shall develop and make all detail surveys necessary for layout and construction. Complete all survey staking as needed using information contained in the plans and adjusted as necessary to meet ADA requirements. Additional information or clarification by the engineer may be available upon request, but is not guaranteed. Surveyed field layout shall be reviewed by the Engineer prior to demolition and again prior to concrete placement.
4. The maximum closure time for any single curb ramp shall be one week. Submit traffic control plan and pedestrian detour plan for ramp closures. Plan shall include but is not limited to work area protection, sidewalk closures and detours.
5. Coordinate utility relocations and/or adjustments as needed. See specifications for utility contact information.
6. Replace curbs, sidewalks, and/or driveway aprons that are damaged as a result of construction operations. Replace full sections to the nearest existing construction joint. Replacement will be considered incidental to the work.
7. Protect freshly poured concrete from vandalism or other damage for a minimum of twenty-four (24) hours or until cured enough to support typical use, whichever is longer. Any concrete damaged by vandalism or other causes shall be replaced at no cost to the city.
8. All areas disturbed through the construction of the sidewalk ramps shall be returned to their original condition prior to project completion. This includes, but is not limited to, landscape restoration around new ramps.



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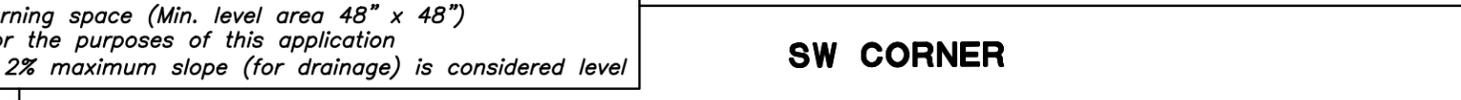
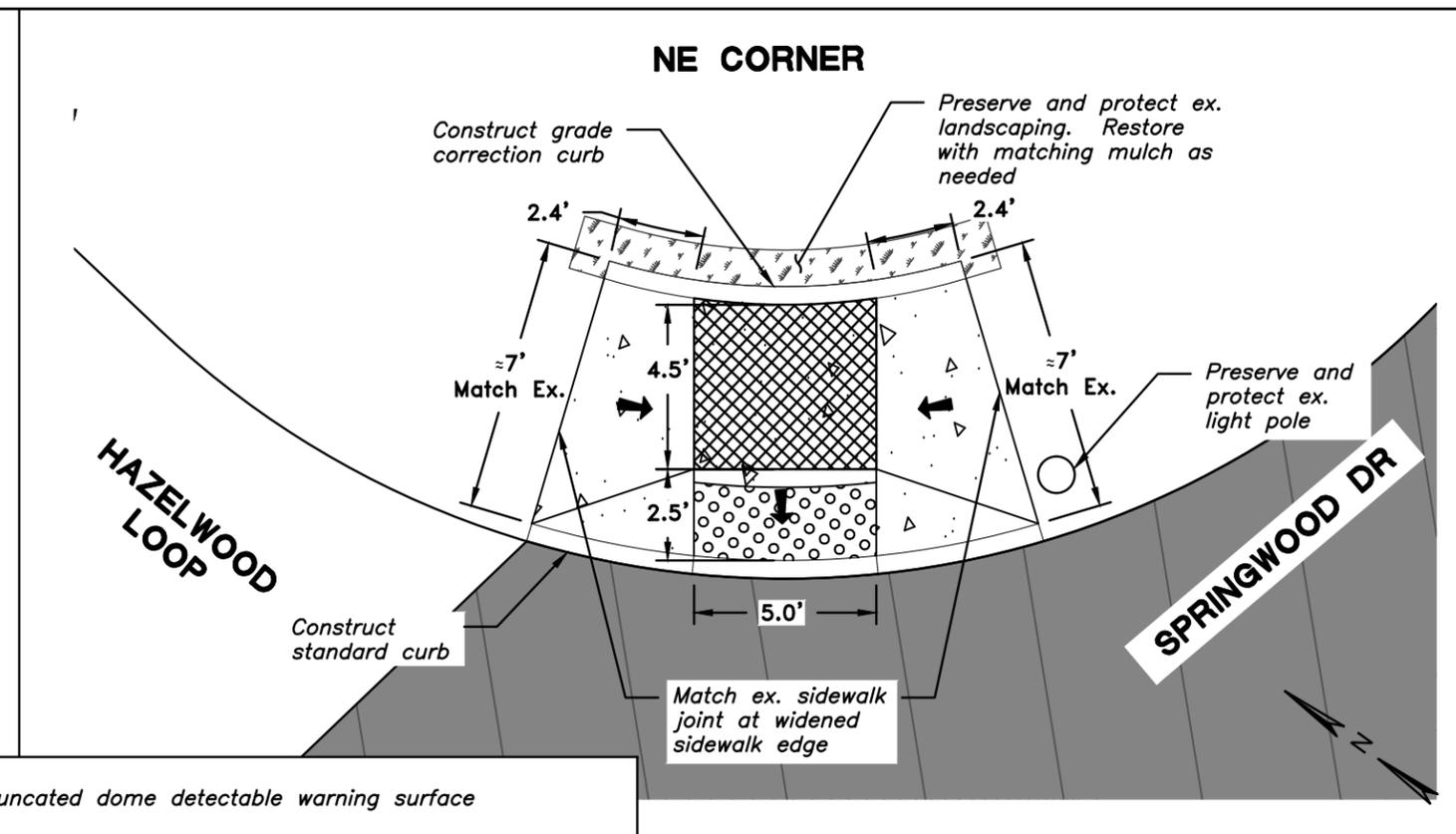
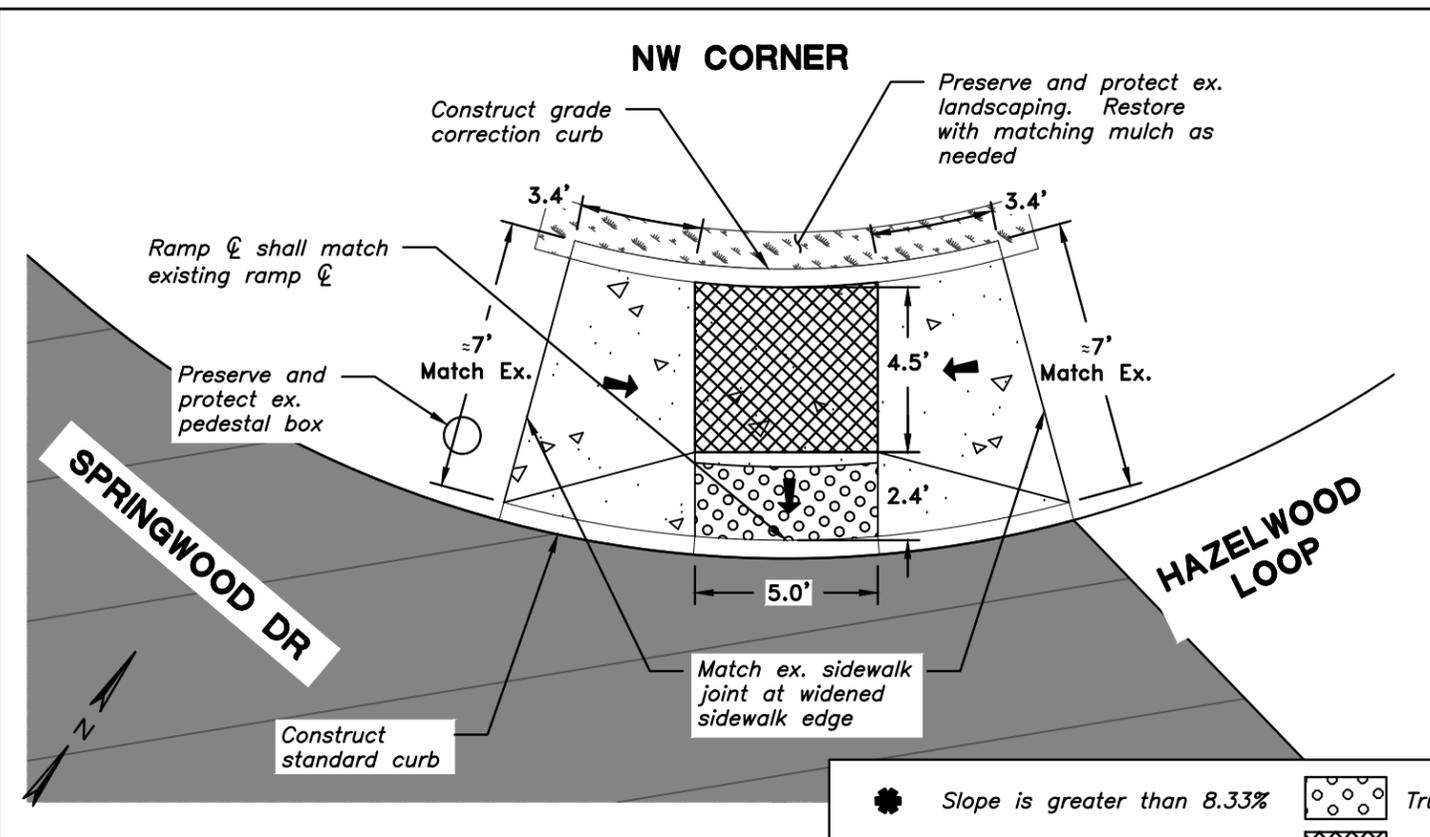
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

**Sidewalk Ramp Details**

SHEET  
D1  
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OF  
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\* Slope is greater than 8.33%      [Symbol] Truncated dome detectable warning surface  
 → Slope 8.33% (1":12" max.) (Ramp length 15' max.)      [Symbol] Turning space (Min. level area 48" x 48")  
 For the purposes of this application a 2% maximum slope (for drainage) is considered level



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SCALE: 1" = 5'

**TIGARD**  
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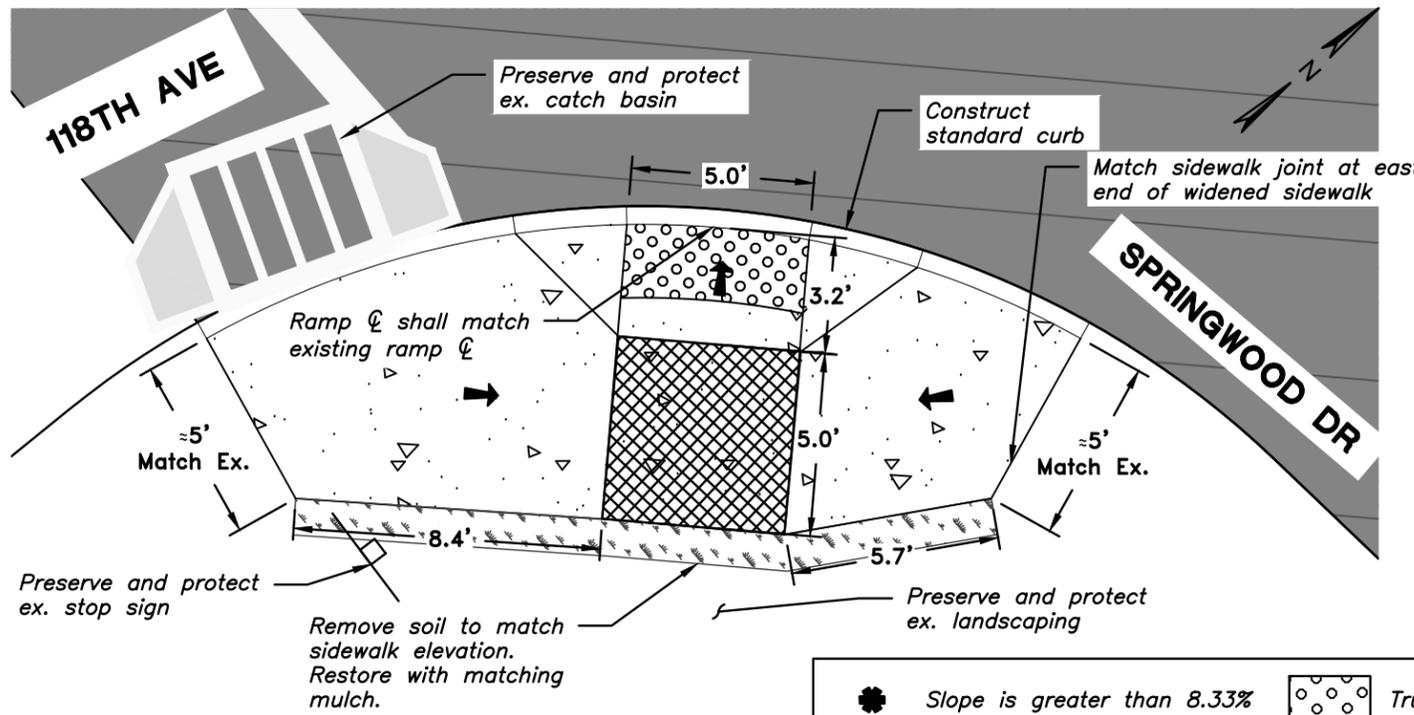
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 Portland, Oregon

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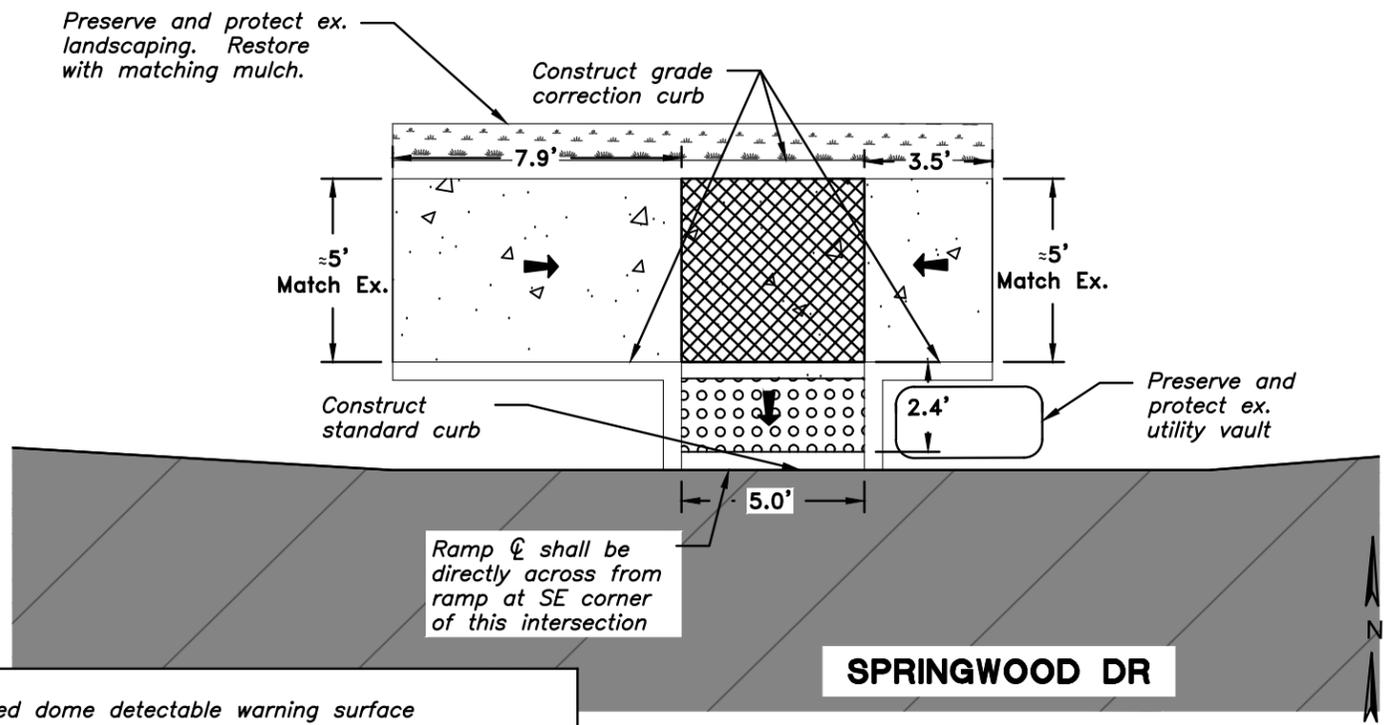
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**  
**Pavement Rehabilitation**  
**Sidewalk Ramp Details - Springwood Drive**

**SHEET**  
 D2  
 7  
**OF**  
 56

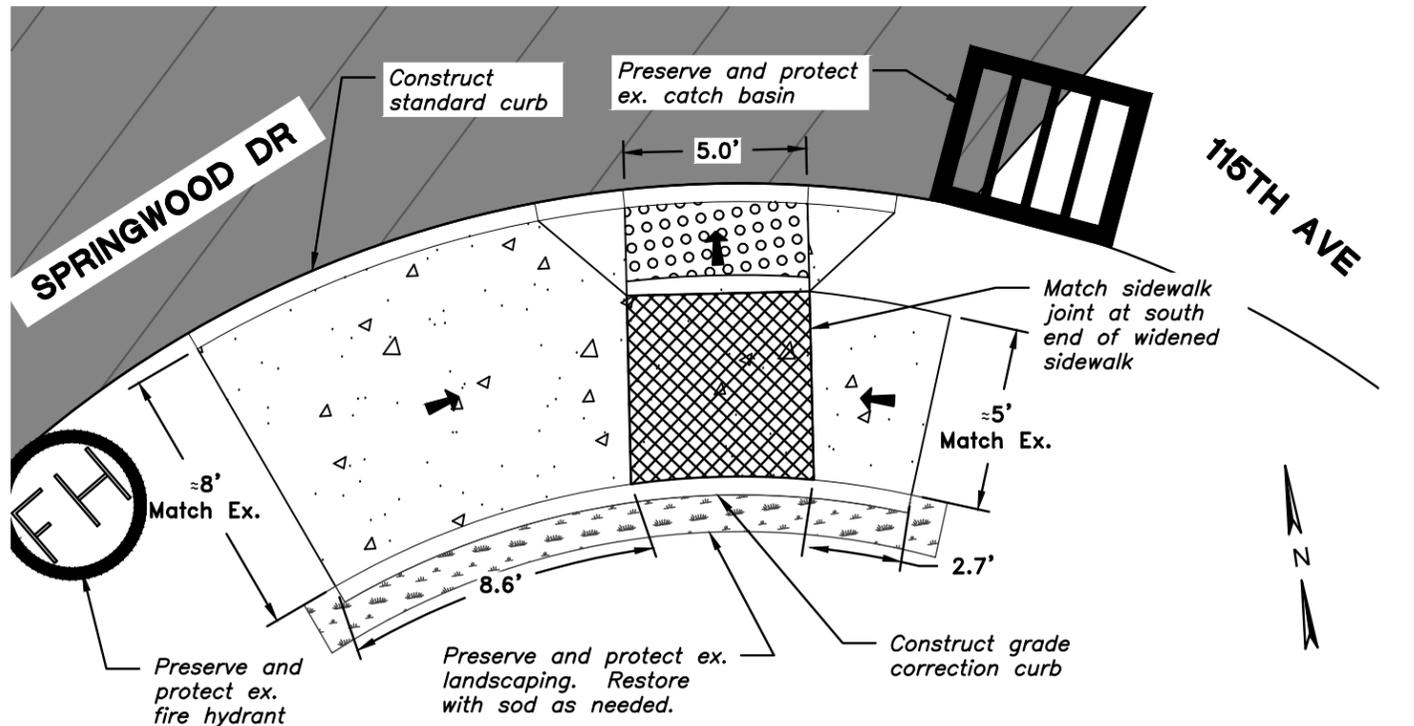
**SE CORNER**



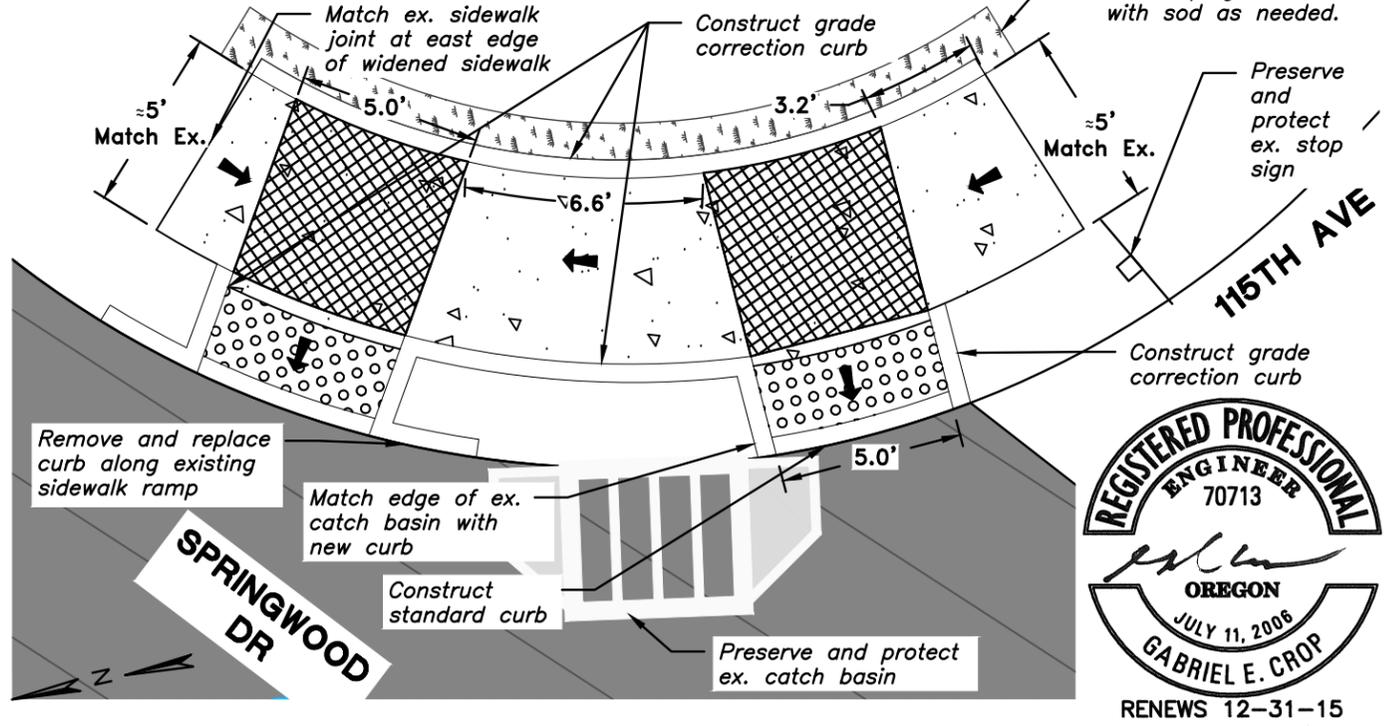
**NORTH SIDE**



**SW CORNER**



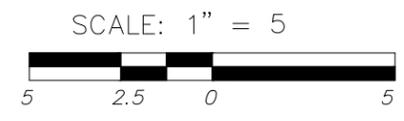
**SE CORNER**



- Slope is greater than 8.33%
- Slope 8.33% (1":12" max). (Ramp length 15' max.)
- Truncated dome detectable warning surface
- Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level

**REGISTERED PROFESSIONAL ENGINEER**  
 70713  
  
 OREGON  
 JULY 11, 2006  
 GABRIEL E. CROP  
 RENEWS 12-31-15

Revisions and Addendums	Date	No.	By
Description			



**ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT**  
 13125 S.W. HALL BLVD. TIGARD, OREGON 97223  
 VOICE: 503-639-4171 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

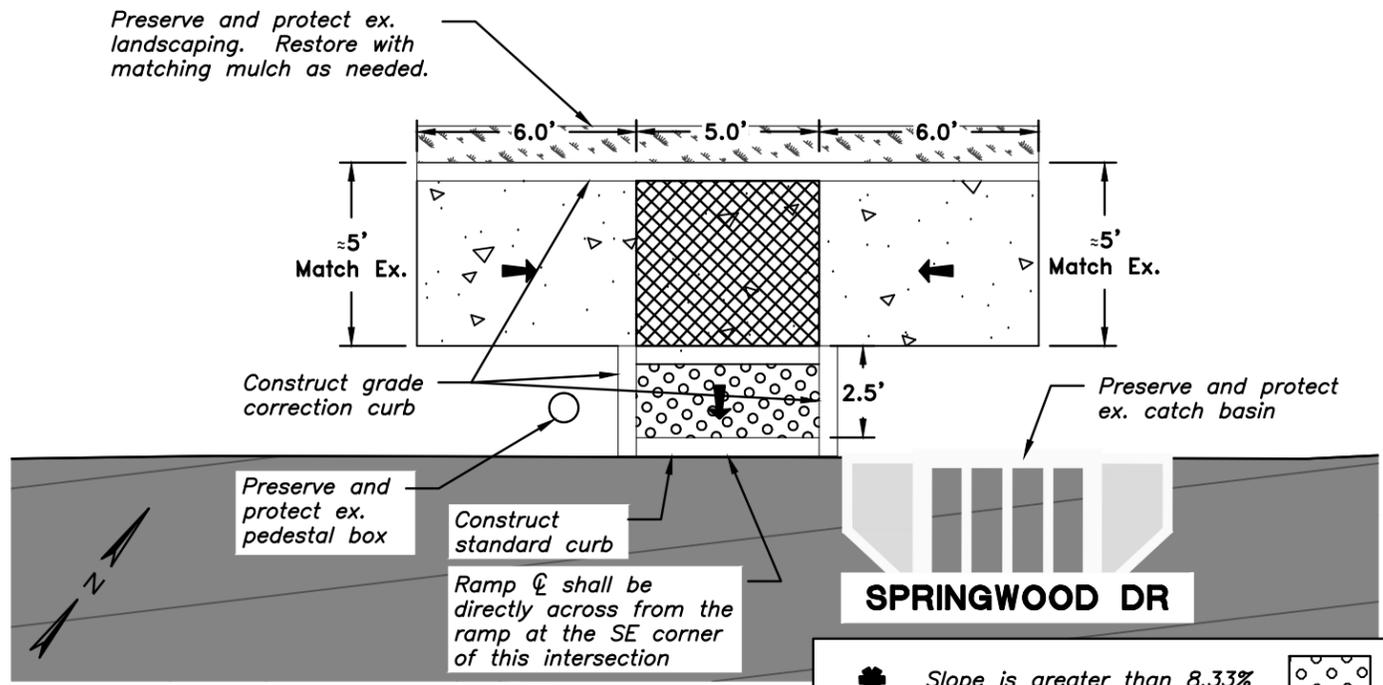
**MSA**  
 Murray, Smith & Associates, Inc.  
 Engineers/Planners  
 Portland, Oregon

**TIGARD**

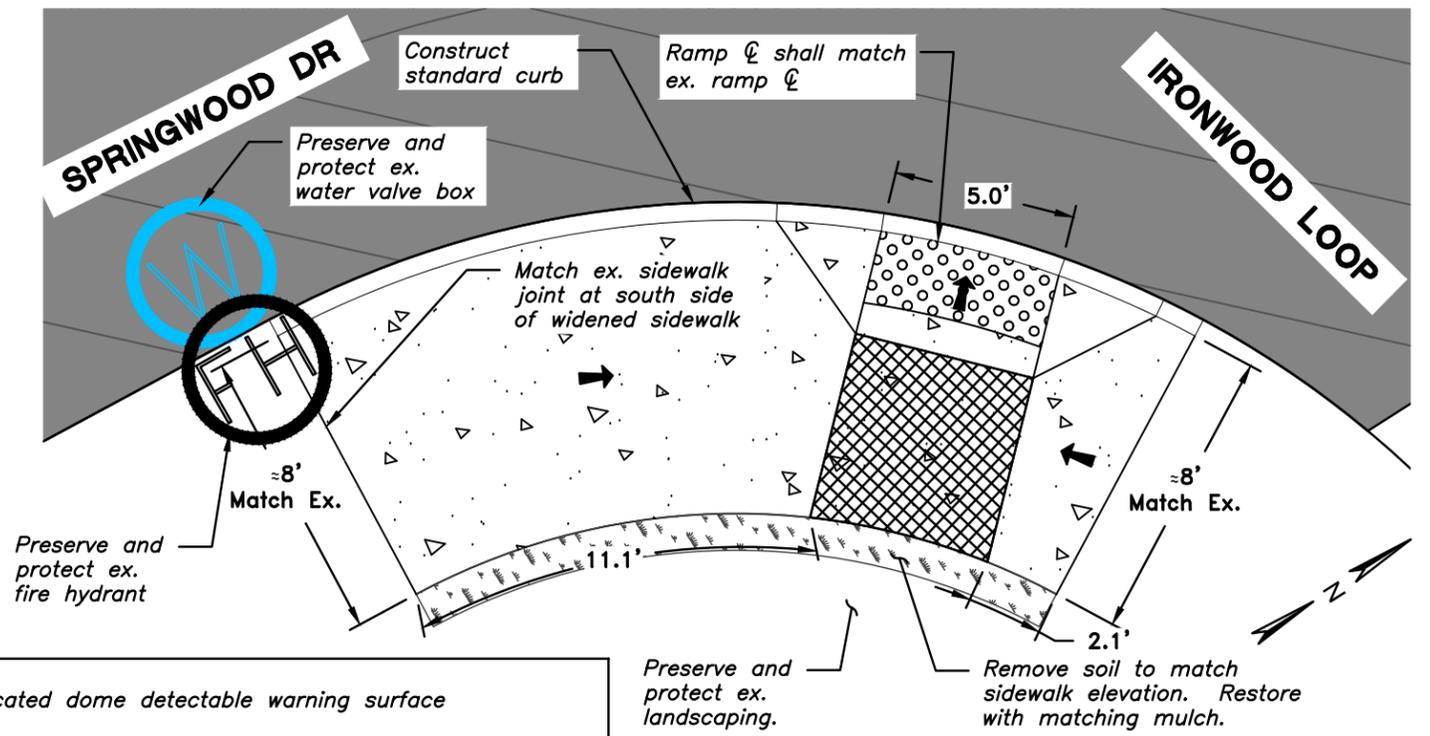
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**  
**Pavement Rehabilitation**  
**Sidewalk Ramp Details - Springwood Drive**

Plotted by: SINGLAIR BURR on Tuesday, April 07, 2015 at 12:49:41 PM from the 8 D3 layout tab  
 File Name: Path: G:\PDX\_PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D10-D16.DWG

**NORTH SIDE**

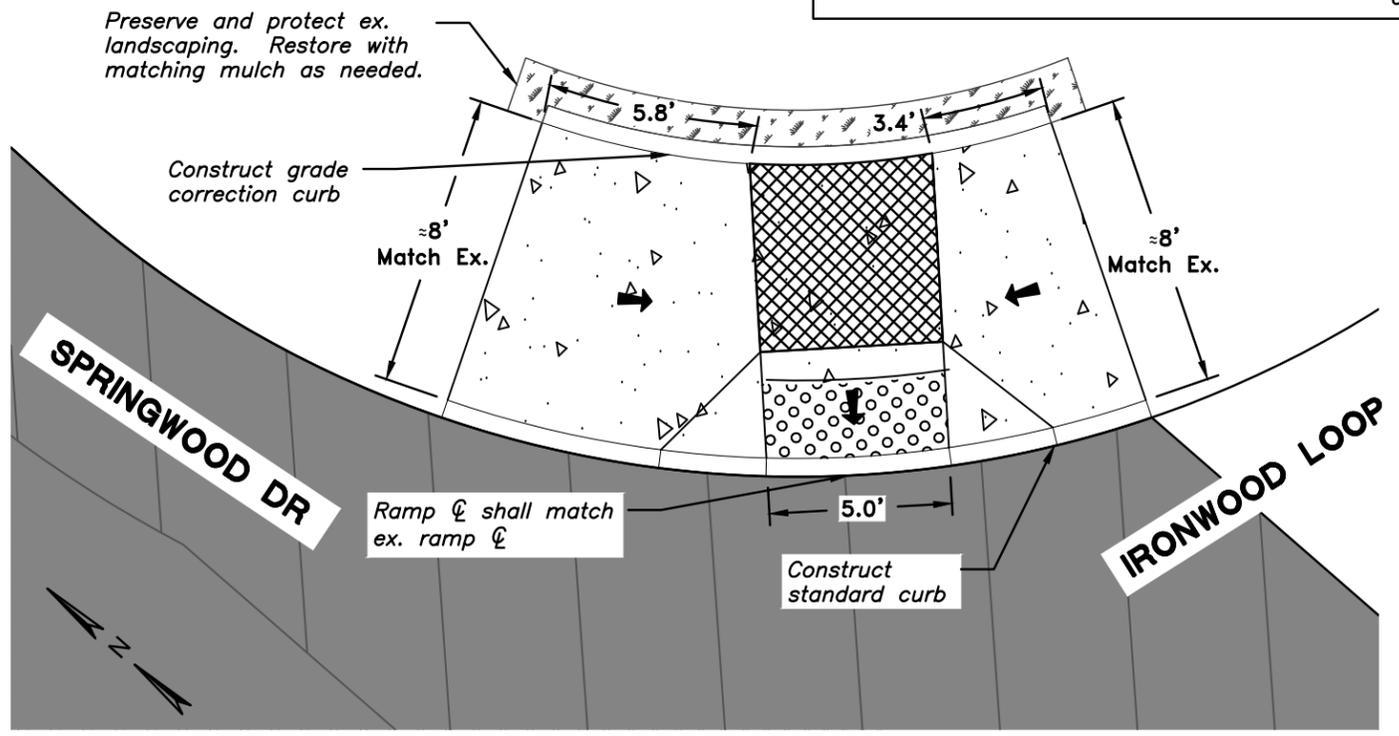


**SE CORNER**

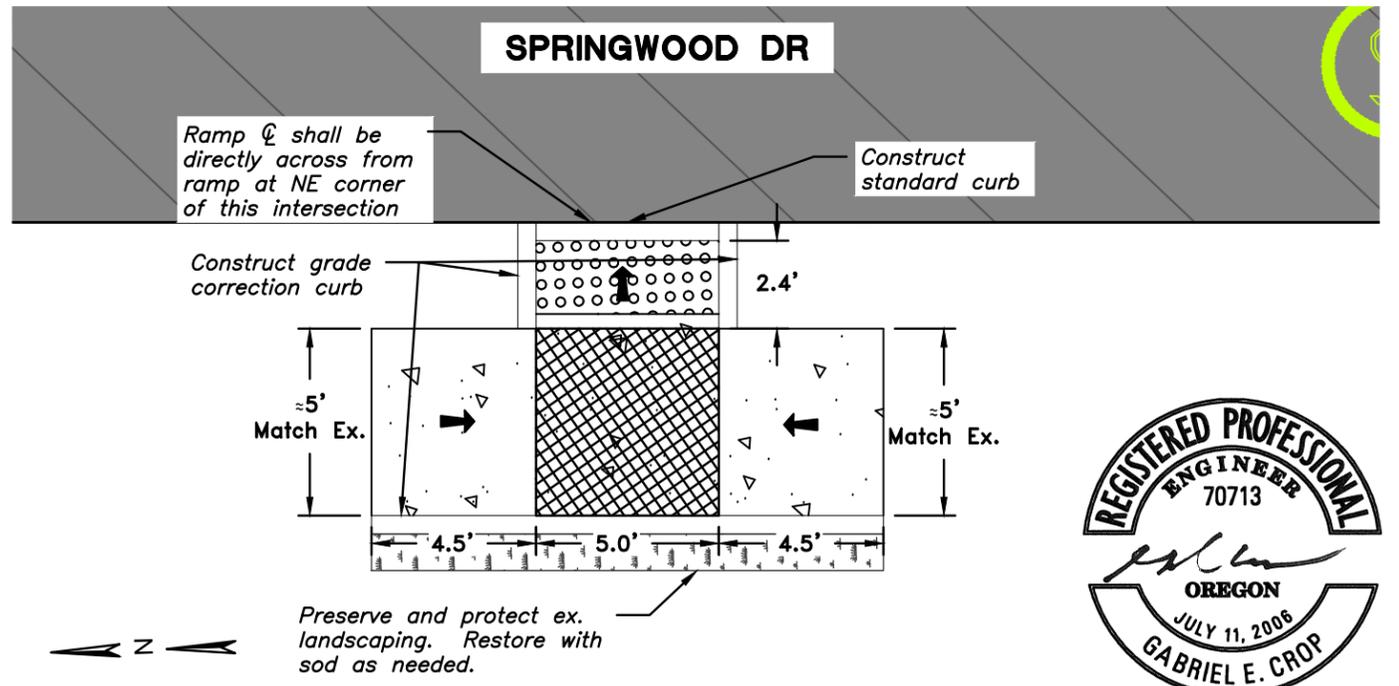


- Slope is greater than 8.33%
- Slope 8.33% (1":12") max. (Ramp length 15' max.)
- Truncated dome detectable warning surface
- Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level

**NE CORNER**

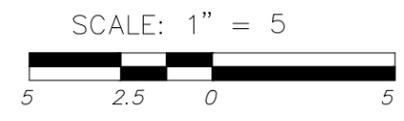


**WEST SIDE**



Plotted by: SINGLAIR BURR on Tuesday, April 07, 2015 at 12:50:06 PM from the 9 D4 layout tab File Name: Path: G:\PD\PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D10-D16.DWG

Revisions and Addendums	Date	No.	By
Description			



**ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT**

13125 S.W. HALL BLVD. TIGARD, OREGON 97223  
VOICE: 503-639-4171  
FAX: 503-624-0752  
WWW.TIGARD-OR.GOV

**MSA**  
Murray, Smith & Associates, Inc.  
Engineers/Planners  
Portland, Oregon

**TIGARD**

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

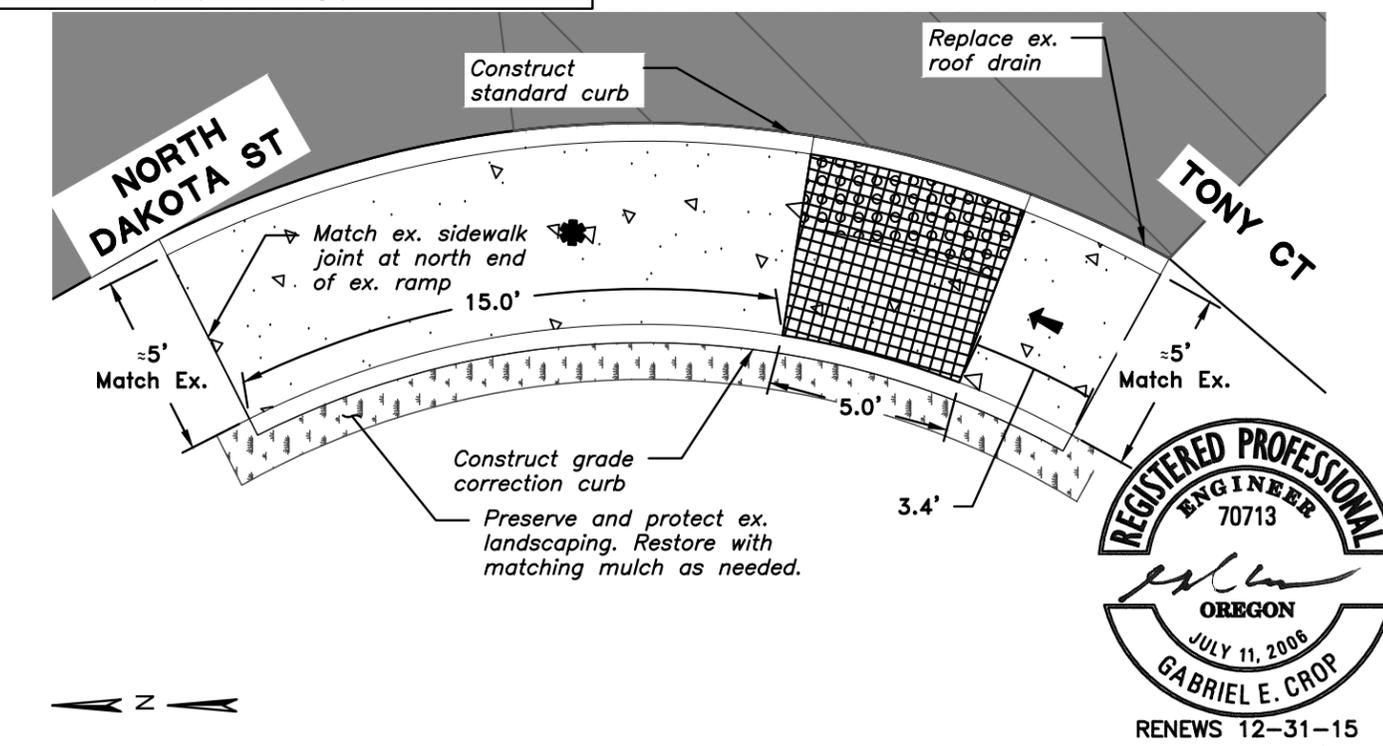
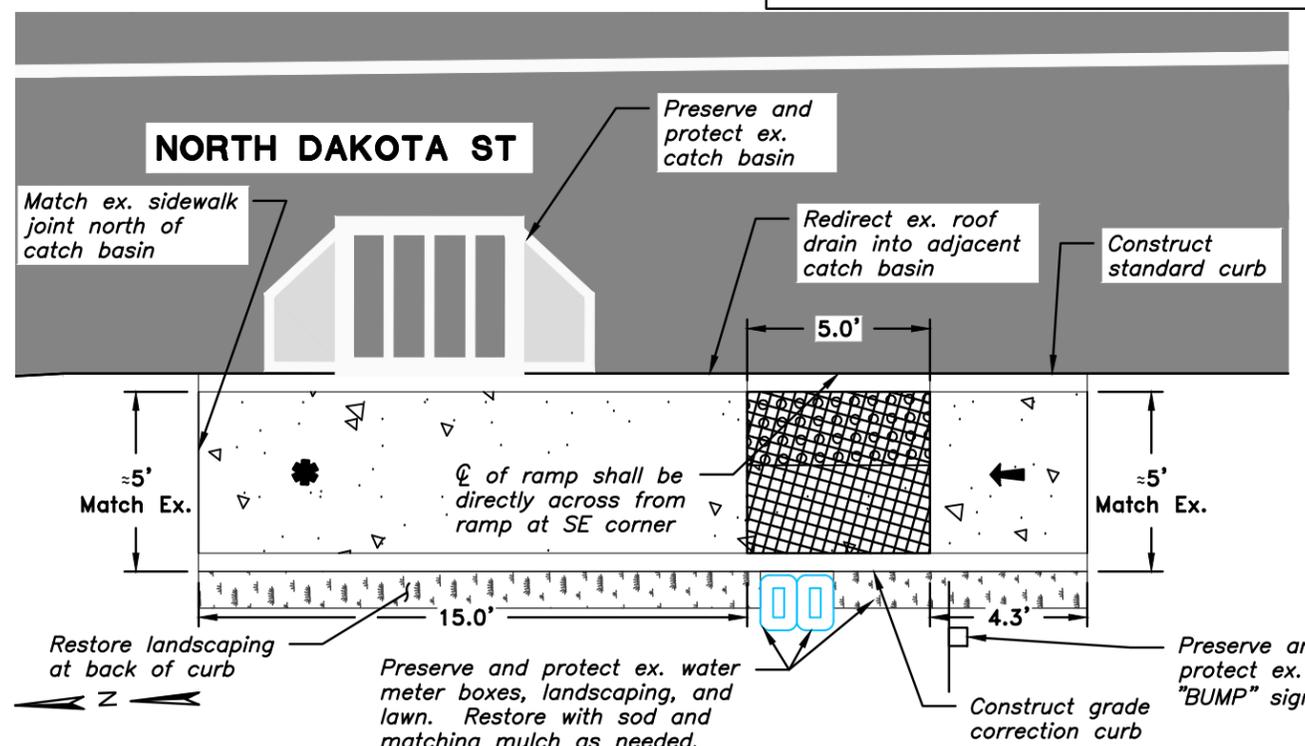
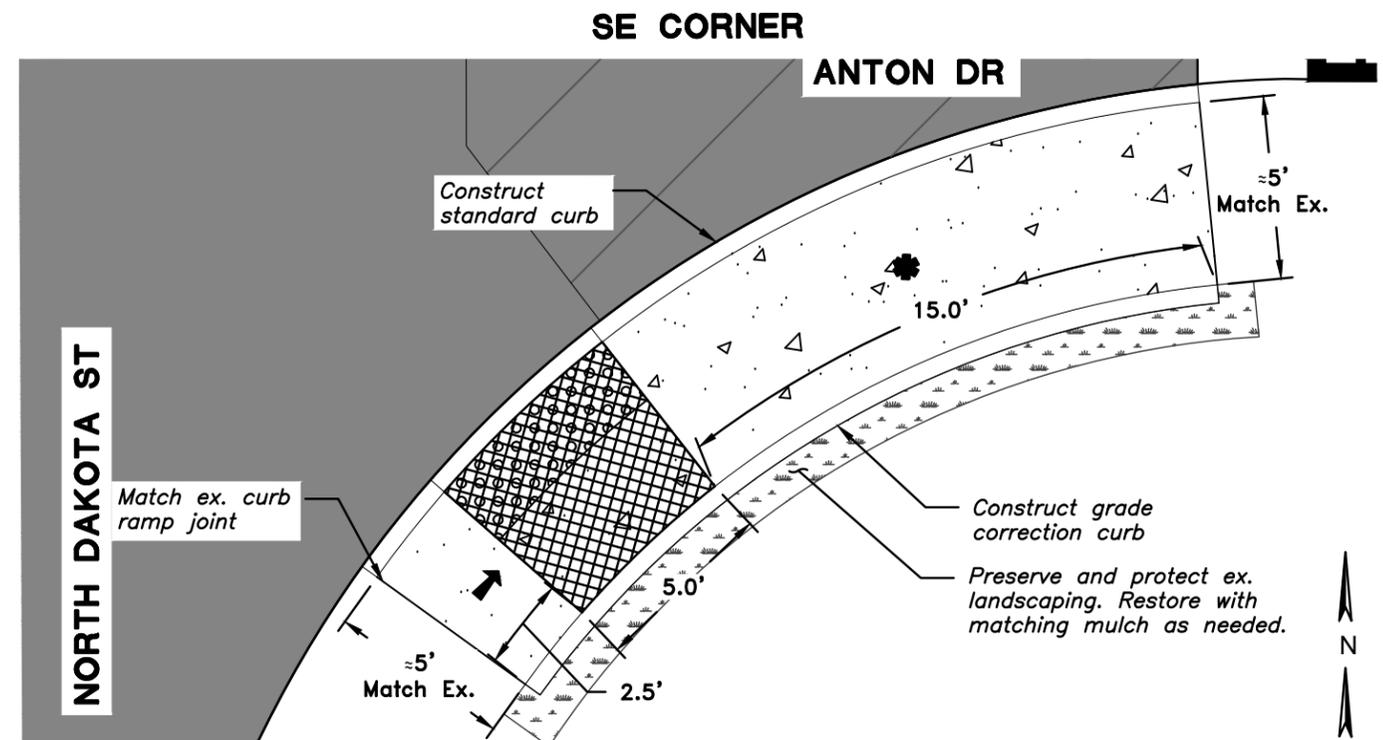
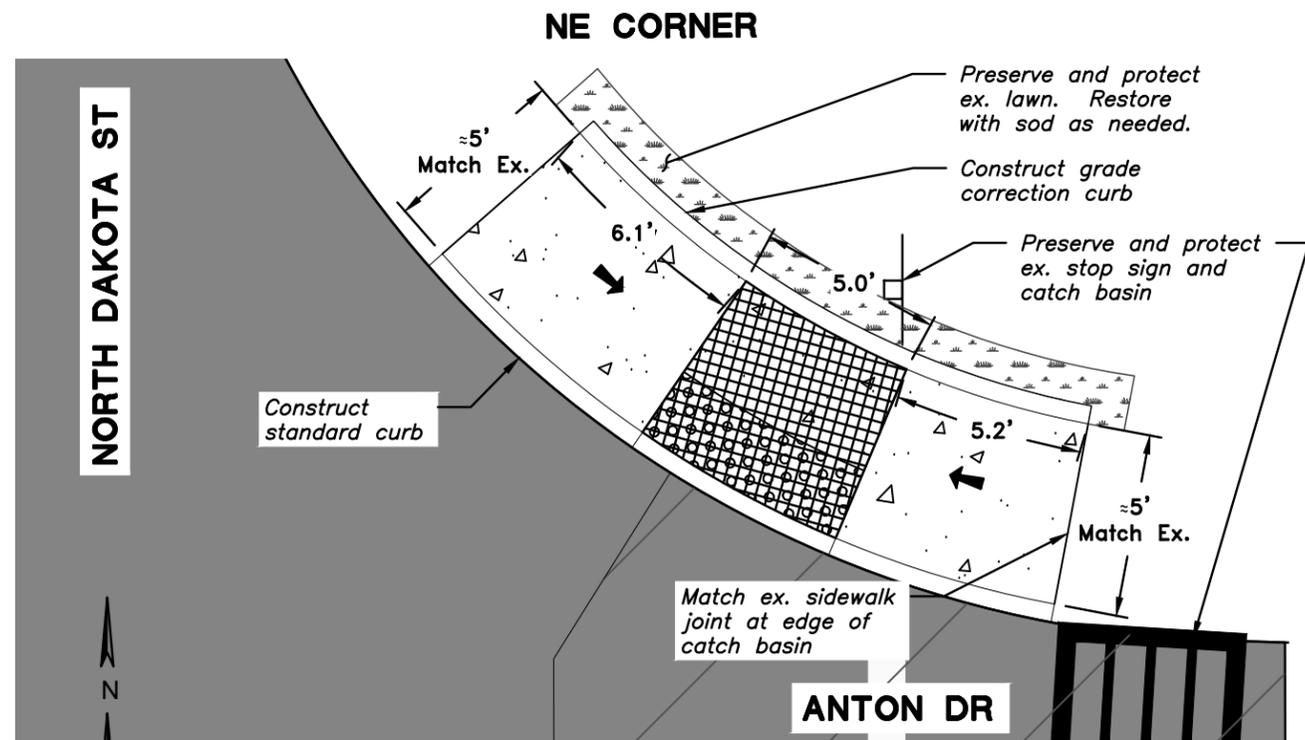
**Pavement Rehabilitation**

**Sidewalk Ramp Details - Springwood Drive**

**SHEET**  
D4  
9  
**OF**  
56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:50:39 PM from the 10 D5 layout tab  
File Name: Path: G:\PD\PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D2-D9.DWG



Slope is greater than 8.33%  
 Slope 8.33% (1":12") max. (Ramp length 15' max.)  
 Truncated dome detectable warning surface  
 Turning space (Min. level area 48" x 48")  
 For the purposes of this application a 2% maximum slope (for drainage) is considered level



Revisions and Addendums			
Description	Date	No.	By

SCALE: 1" = 5'

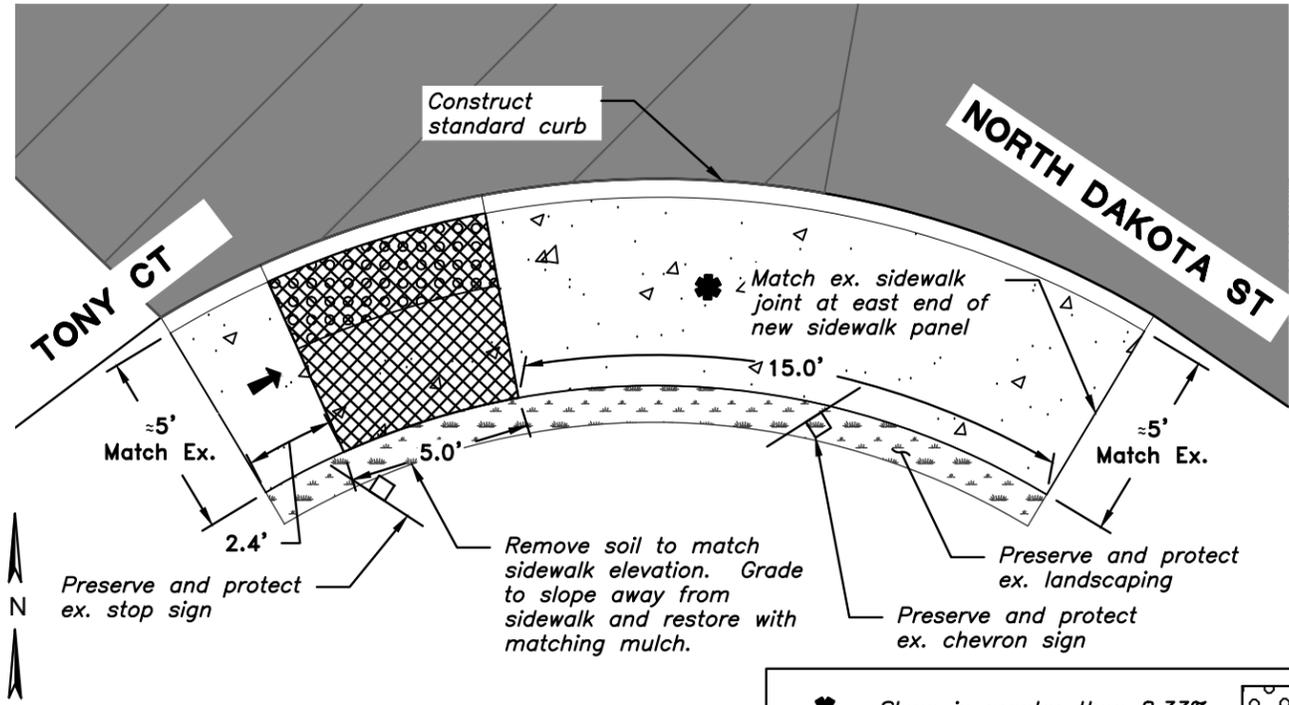
13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

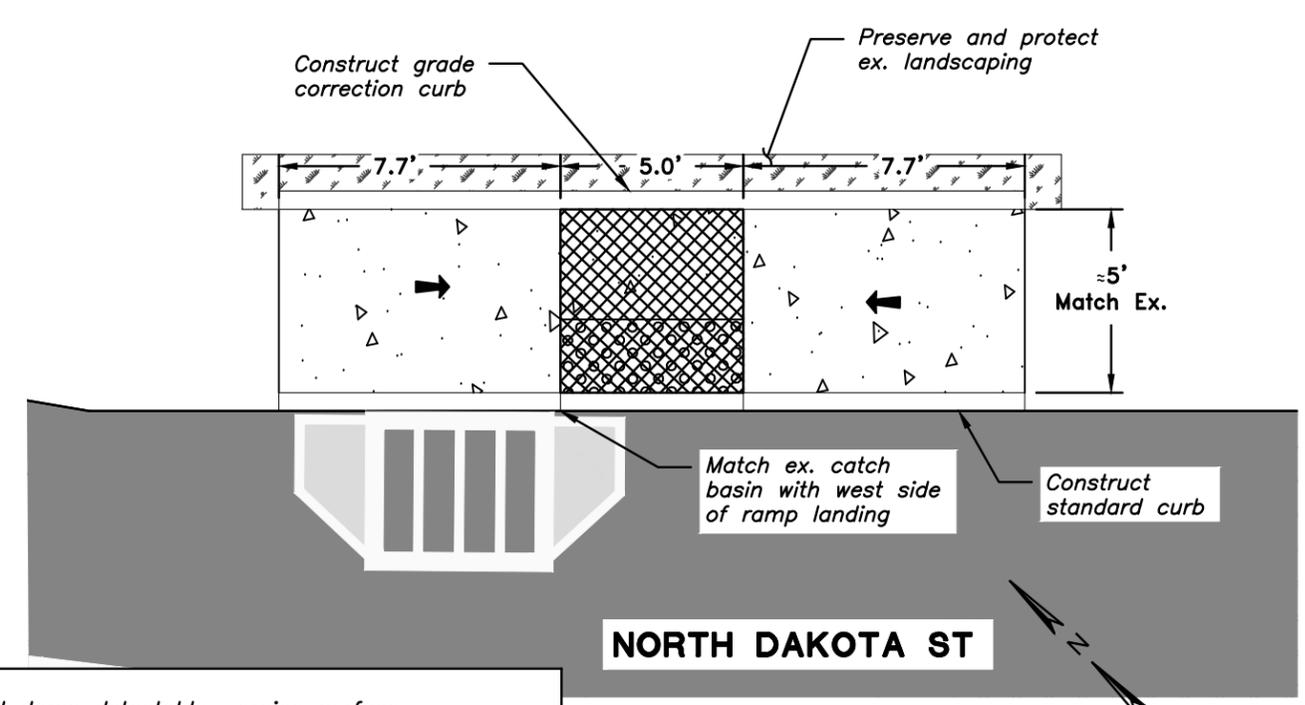
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**  
**Pavement Rehabilitation**  
**Sidewalk Ramp Details - North Dakota Street**

SHEET D5  
 10 OF 56

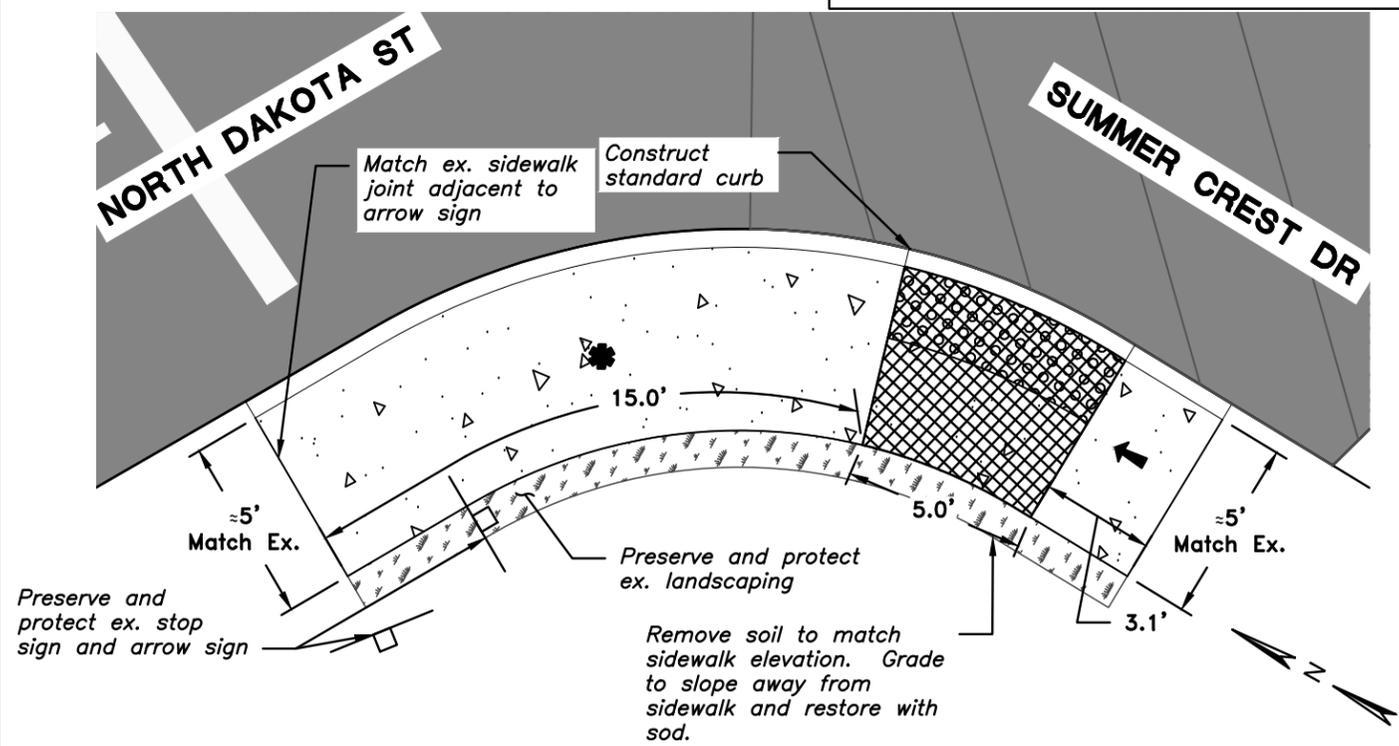
**SE CORNER**



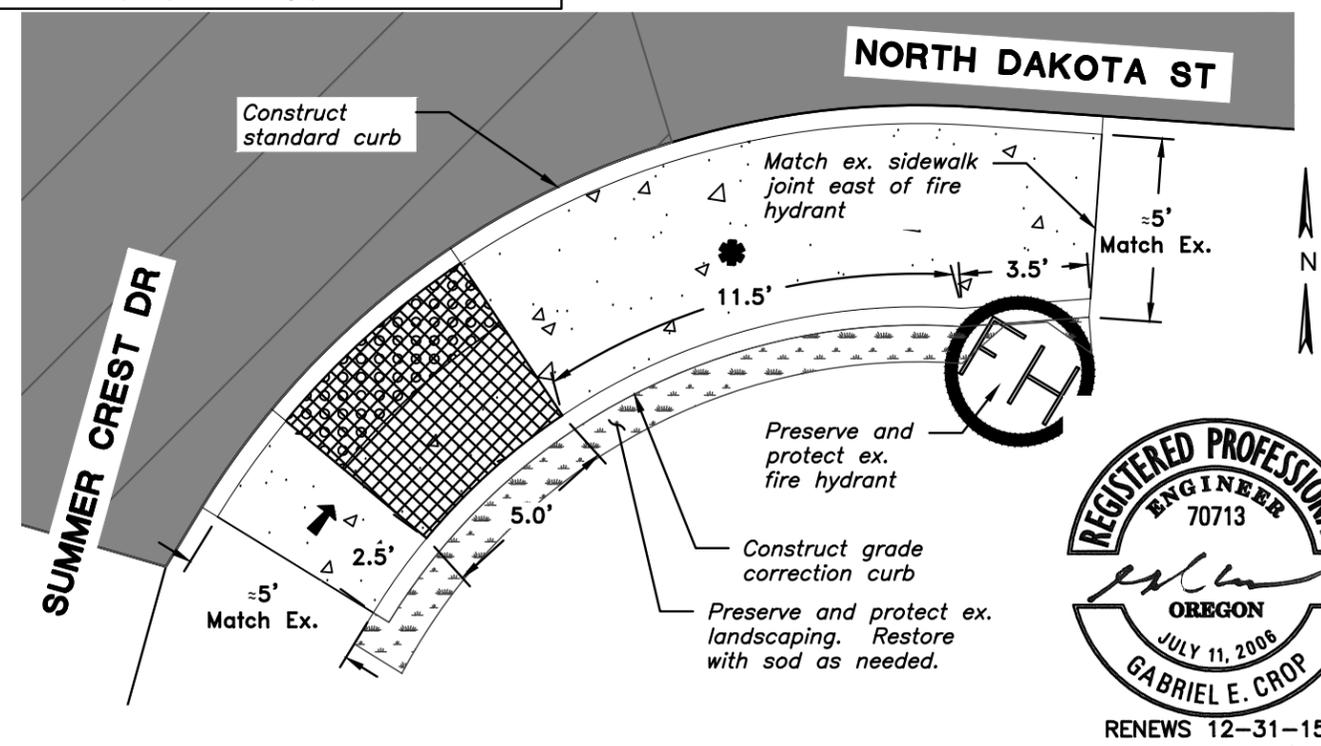
**NORTH SIDE**



**SW CORNER**



**SE CORNER**



Slope is greater than 8.33%  
 Slope 8.33% (1":12") max. (Ramp length 15' max.)  
 Truncated dome detectable warning surface  
 Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:51:02 PM from the 11 D6 layout tab  
 File Name: Path: G:\POX\_PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D2-D9.DWG

Revisions and Addendums			
Description	Date	No.	By

SCALE: 1" = 5'

**TIGARD**  
 ENGINEERING DIVISION  
 PUBLIC WORKS DEPARTMENT  
 13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

**MSA**  
 Murray, Smith & Associates, Inc.  
 Engineers/Planners  
 Portland, Oregon

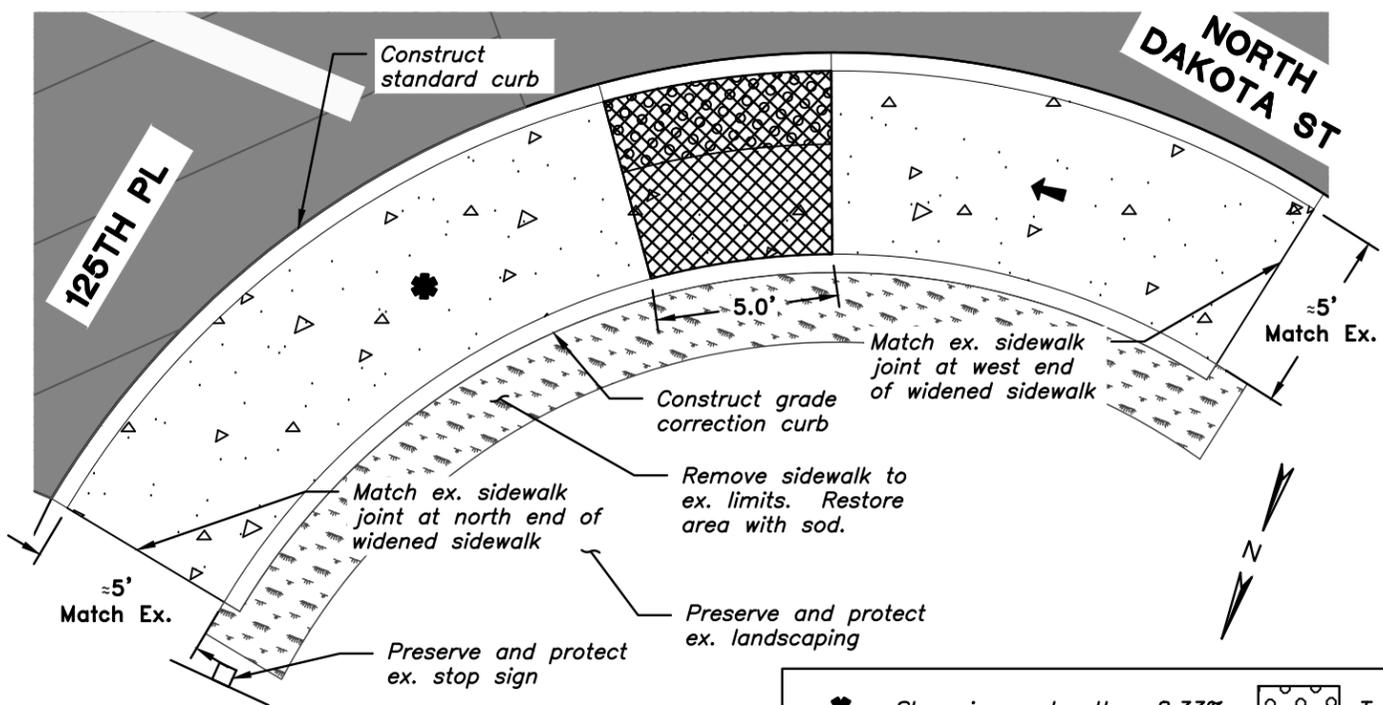
**DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL**

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**  
**Pavement Rehabilitation**  
**Sidewalk Ramp Details - North Dakota Street**

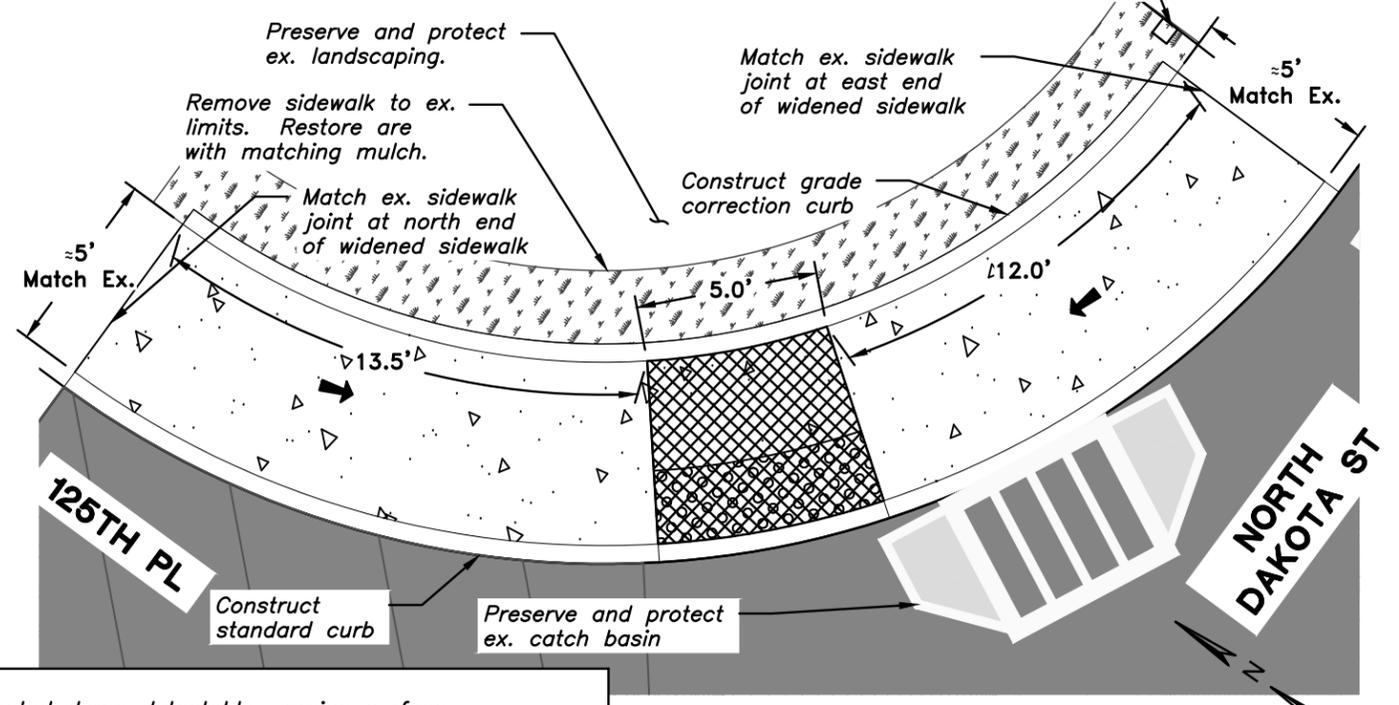
**REGISTERED PROFESSIONAL ENGINEER**  
 70713  
  
**OREGON**  
 JULY 11, 2006  
**GABRIEL E. CROP**  
 RENEWS 12-31-15

Plotted by: SINGLAR BURR on Tuesday, April 07, 2015 at 12:51:26 PM from the 12' D7 layout tab  
 File Name: Path: G:\PD\PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D2-D9.DWG

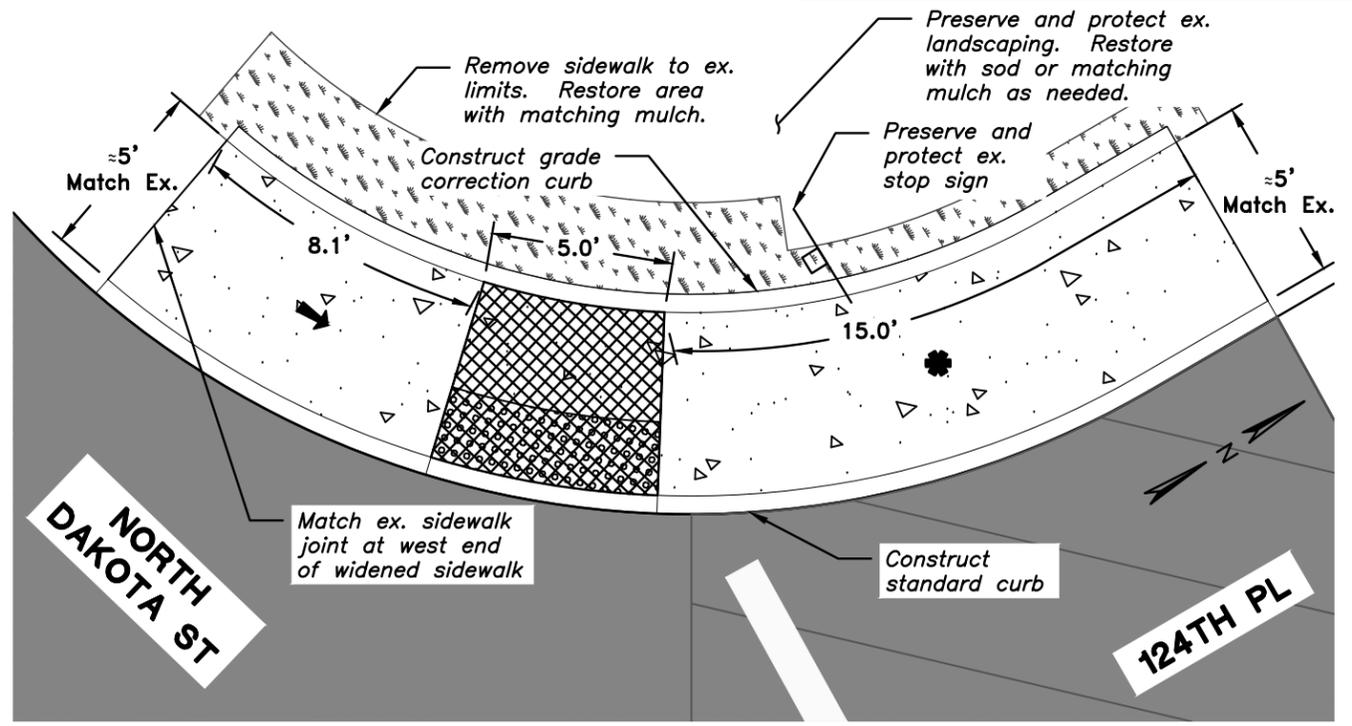
**NW CORNER**



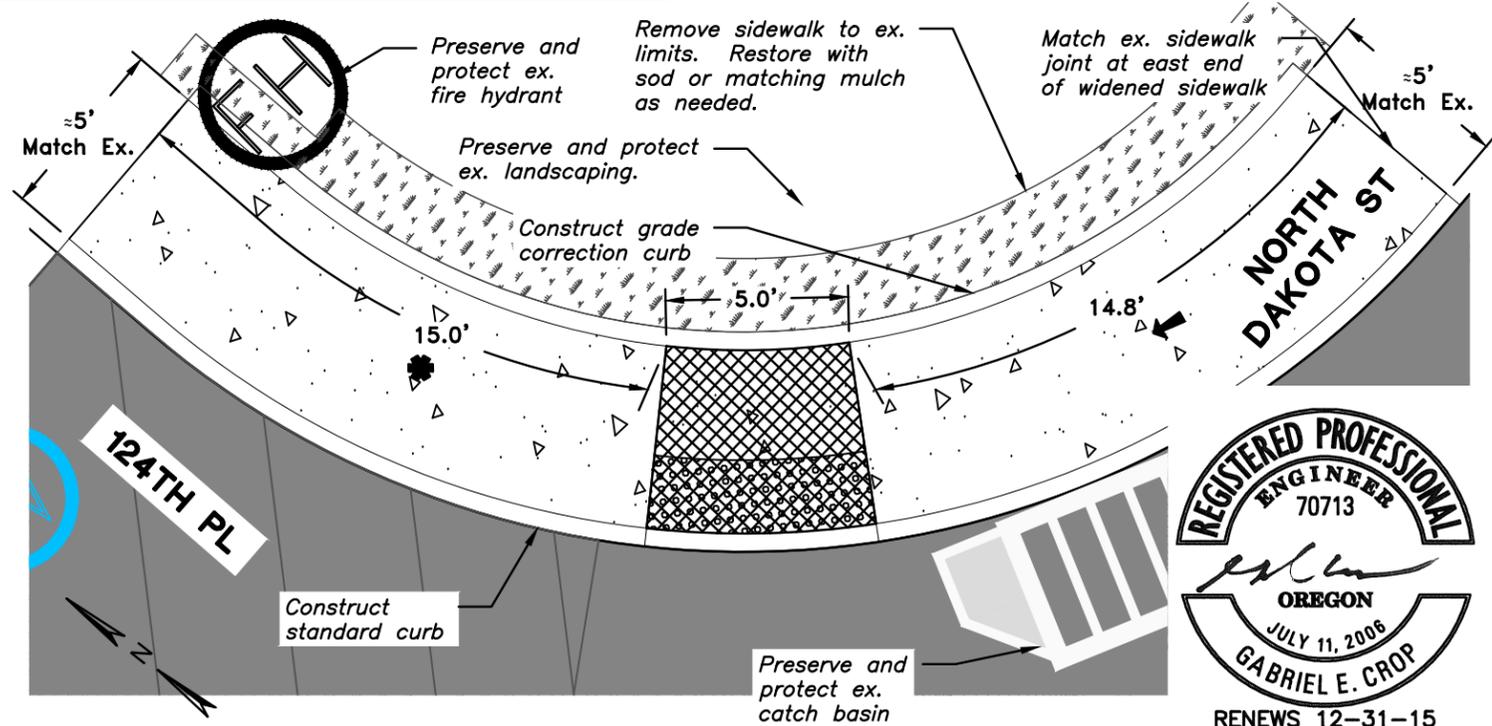
**NE CORNER**



**NW CORNER**



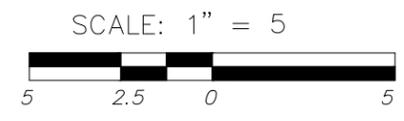
**NE CORNER**



	Slope is greater than 8.33%		Truncated dome detectable warning surface
	Slope 8.33% (1":12") max. (Ramp length 15' max.)		Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level



Revisions and Addendums	Date	No.	By
Description			



**ENGINEERING DIVISION**  
**PUBLIC WORKS DEPARTMENT**  
 13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

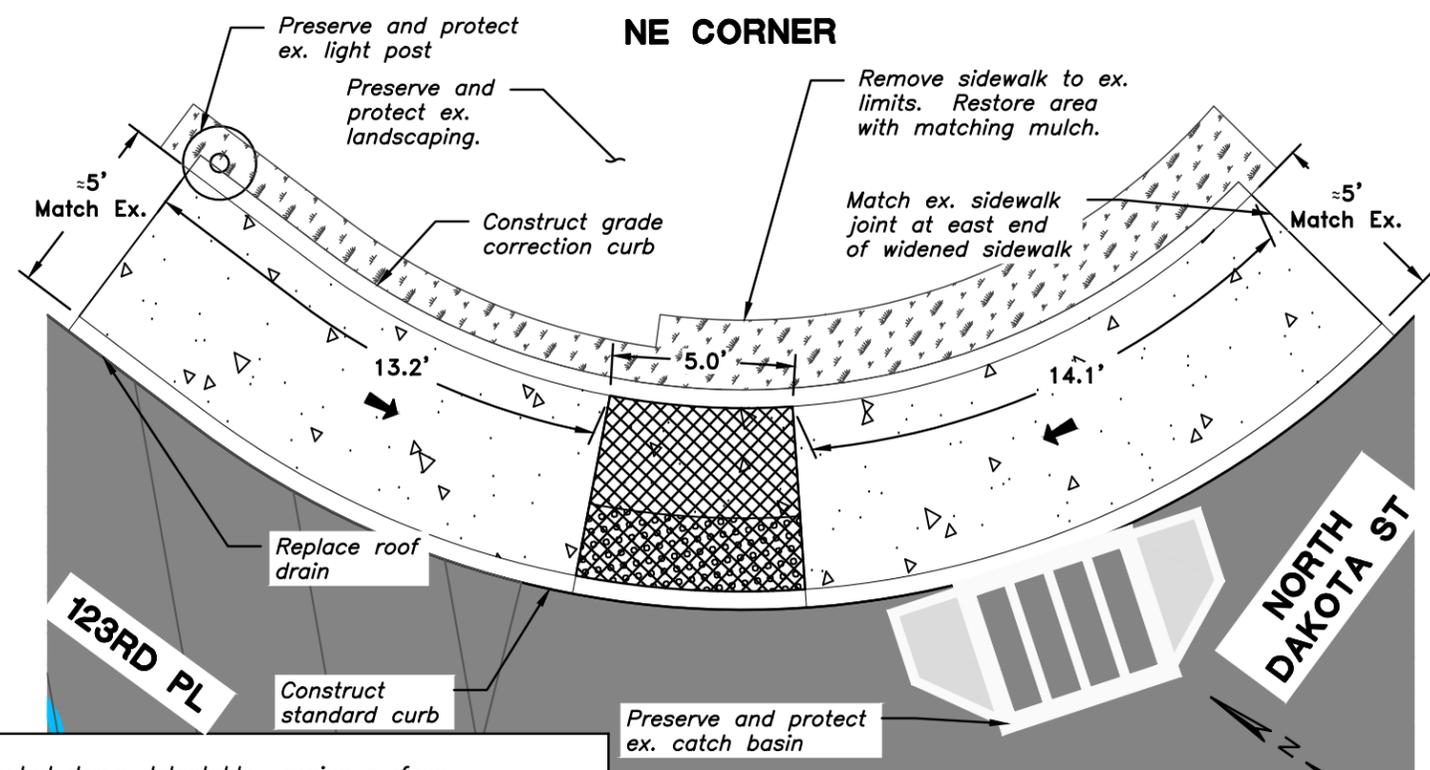
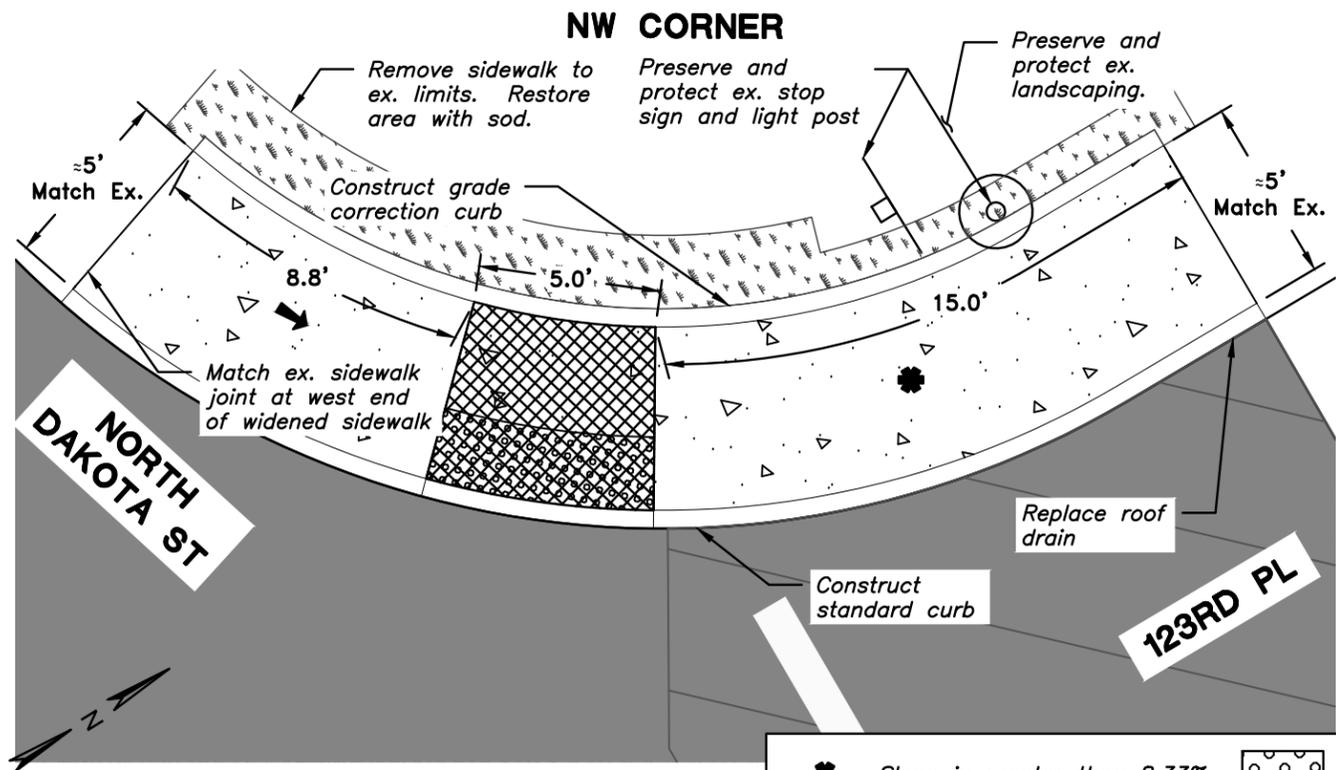
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

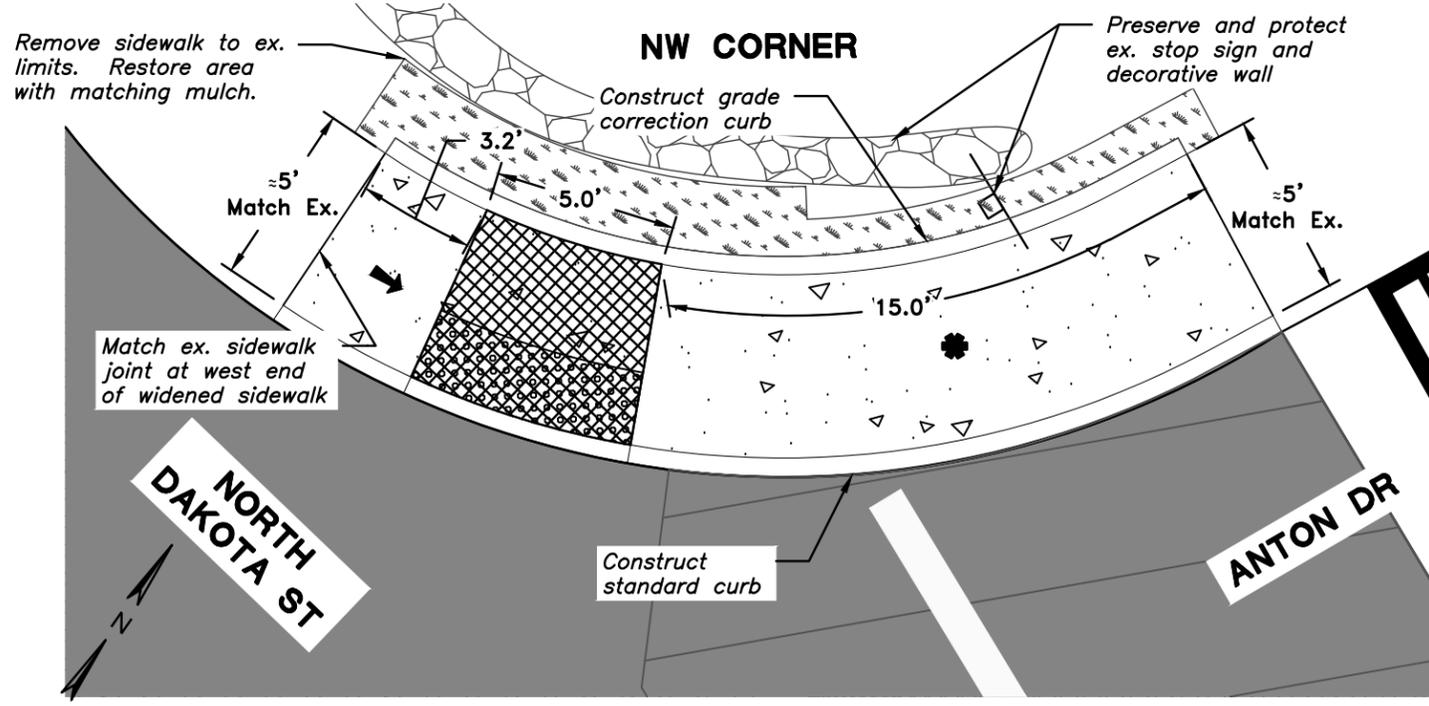
**Sidewalk Ramp Details - North Dakota Street**

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

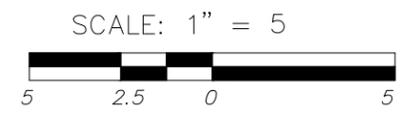
Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:51:46 PM from the 13\_D8 layout tab  
File Name: Path: G:\FOX\_PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D2-D9.DWG



	Slope is greater than 8.33%		Truncated dome detectable warning surface
	Slope 8.33% (1":12" max.) (Ramp length 15' max.)		Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level



Revisions and Addendums			
Description	Date	No.	By



**ENGINEERING DIVISION  
PUBLIC WORKS DEPARTMENT**

13125 S.W. HALL BLVD.  
TIGARD, OREGON 97223  
VOICE: 503-639-4171  
FAX: 503-624-0752  
WWW.TIGARD-OR.GOV

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

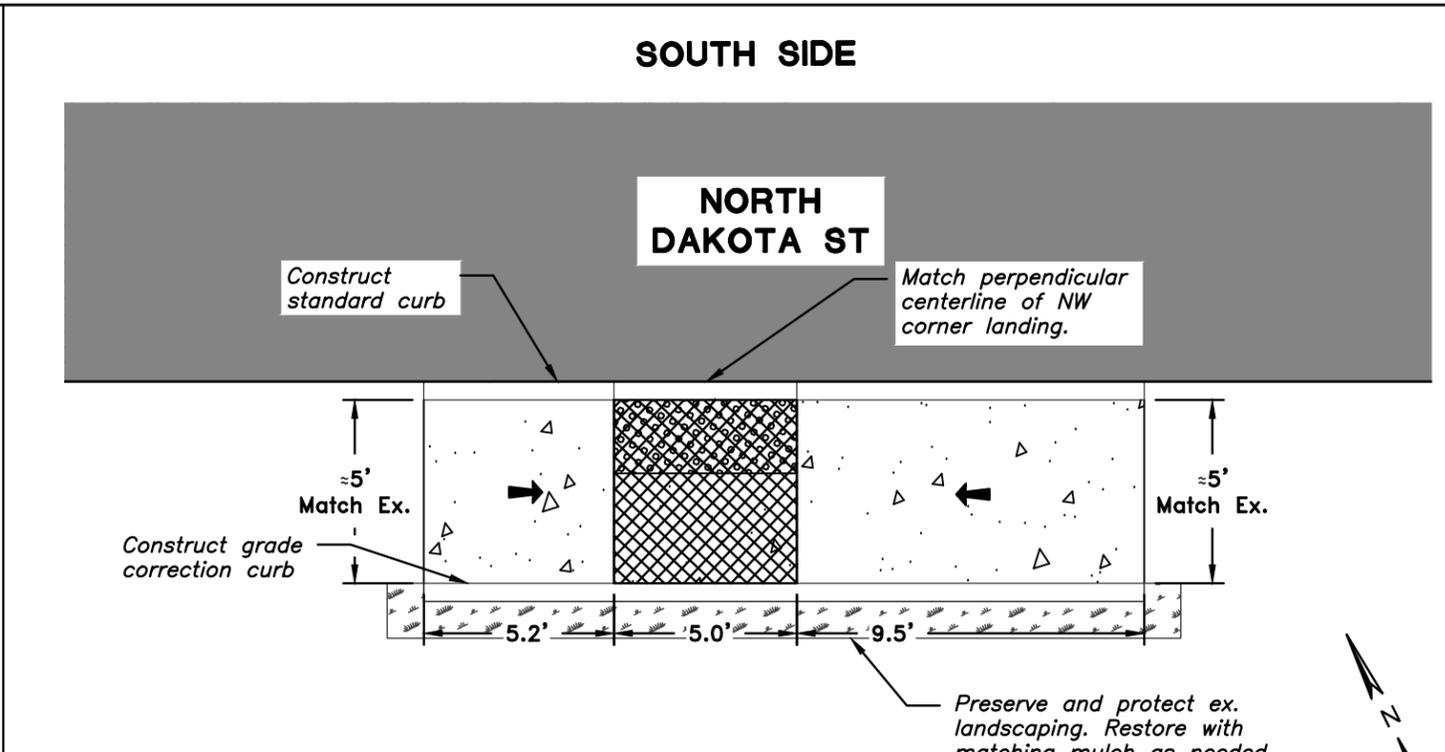
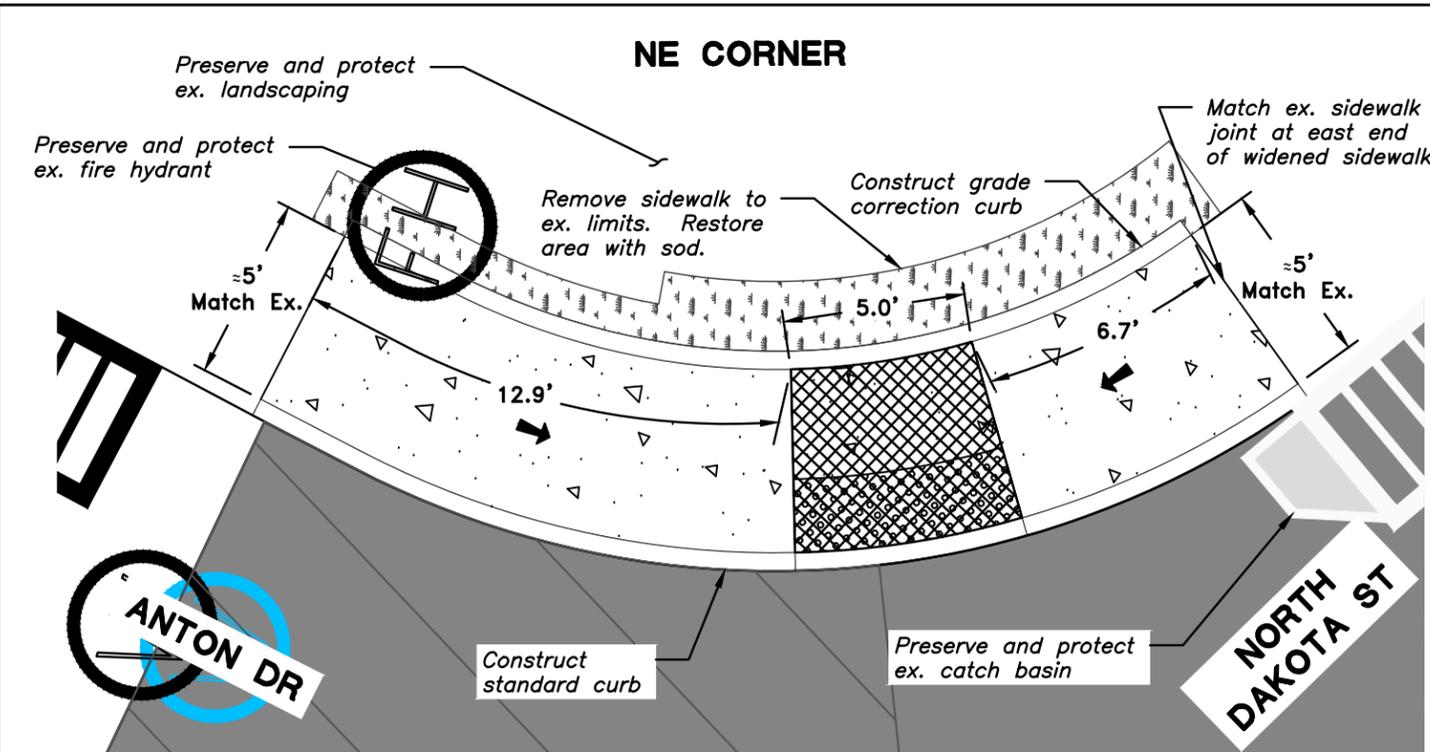
**Pavement Rehabilitation**

**Sidewalk Ramp Details - North Dakota Street**

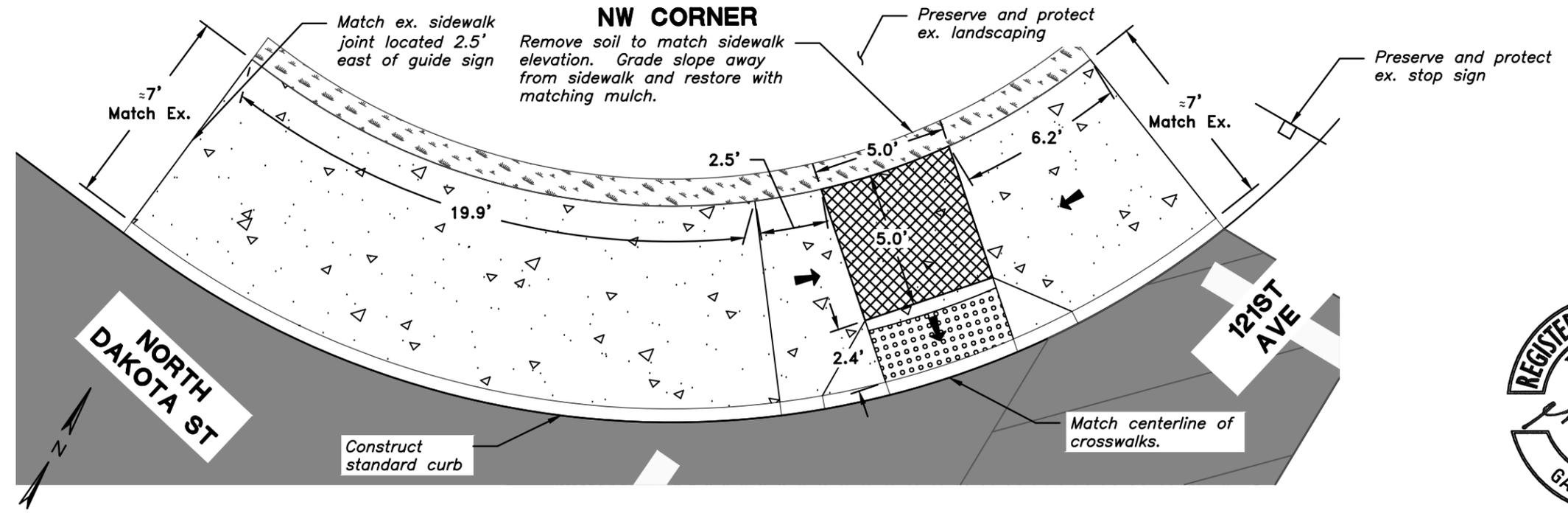
**SHEET**  
DB  
13  
**OF**  
56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:52:06 PM from the 14\_D9 layout tab  
File Name: Path: G:\PD\PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D2-D9.DWG



	Slope is greater than 8.33%		Truncated dome detectable warning surface
	Slope 8.33% (1":12" max). (Ramp length 15' max.)		Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level



Revisions and Addendums				
Description	Date	No.	By	

SCALE: 1" = 5'

13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

Murray, Smith & Associates, Inc.  
 Engineers/Planners  
 Portland, Oregon

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

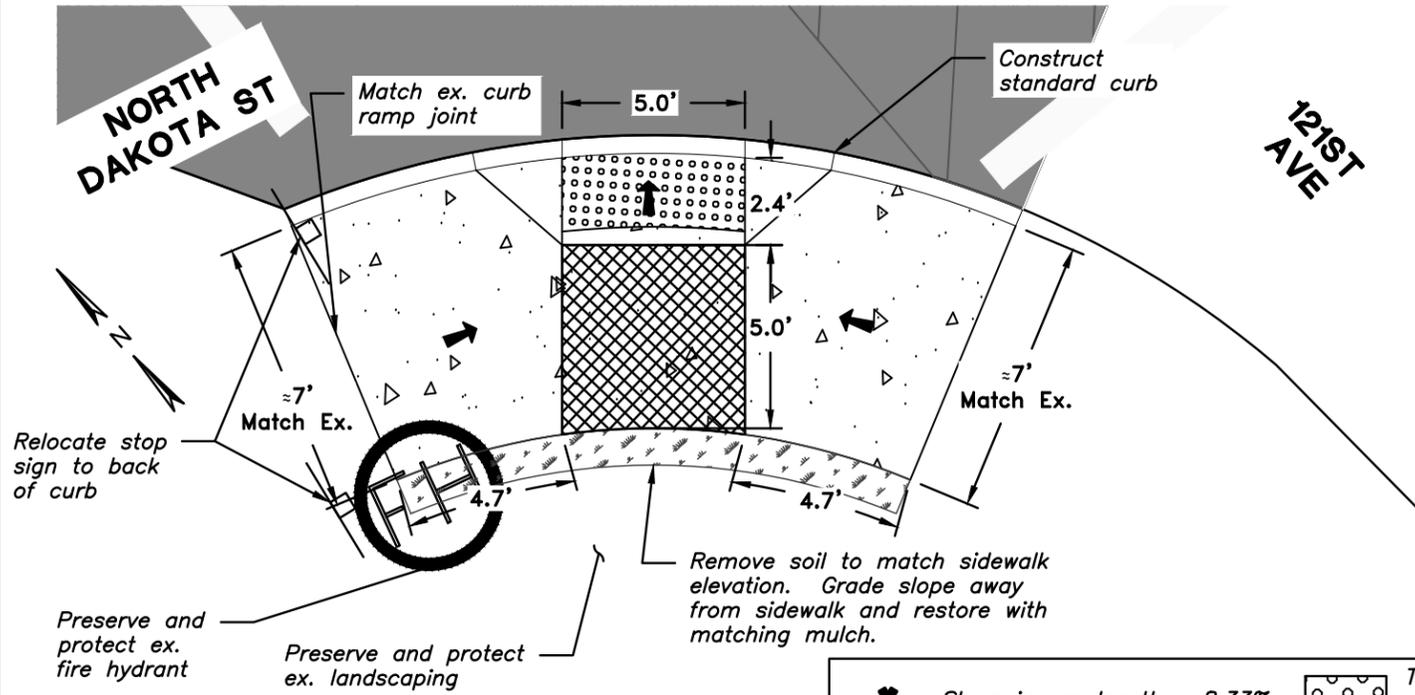
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

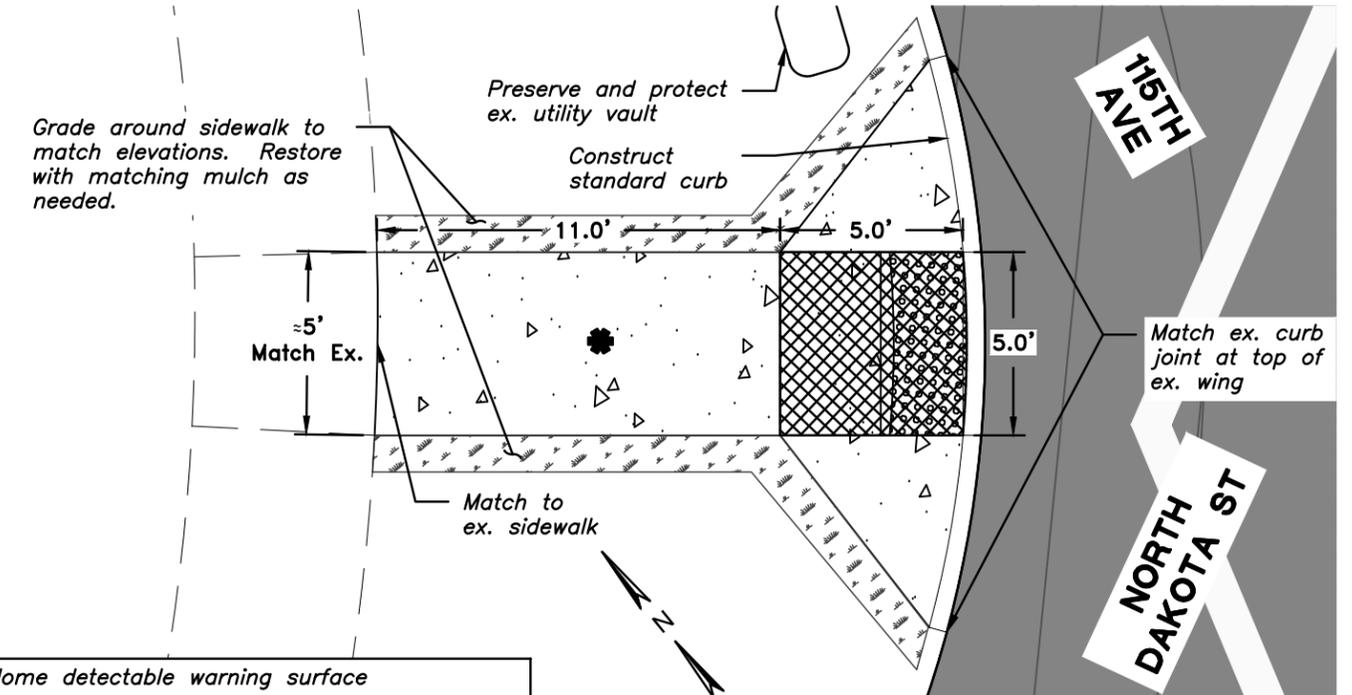
**Sidewalk Ramp Details - North Dakota Street**

SHEET D9  
14 OF 56

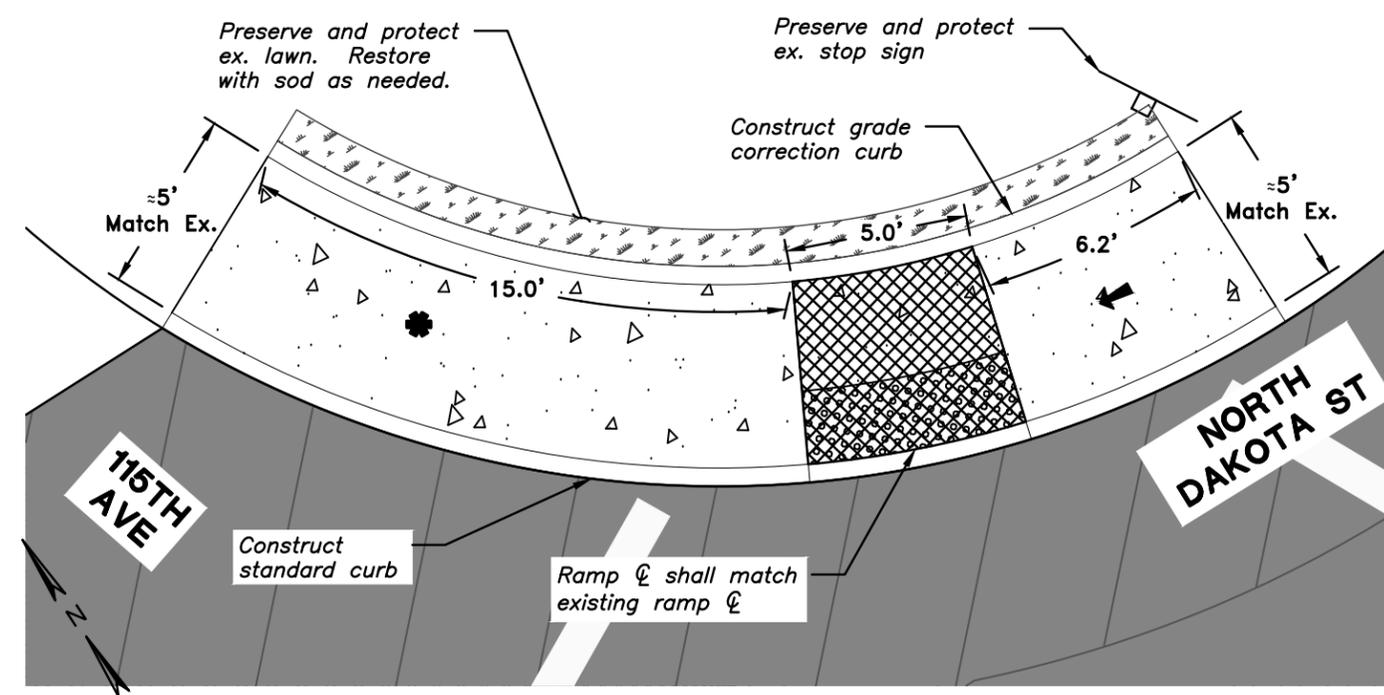
**SW CORNER**



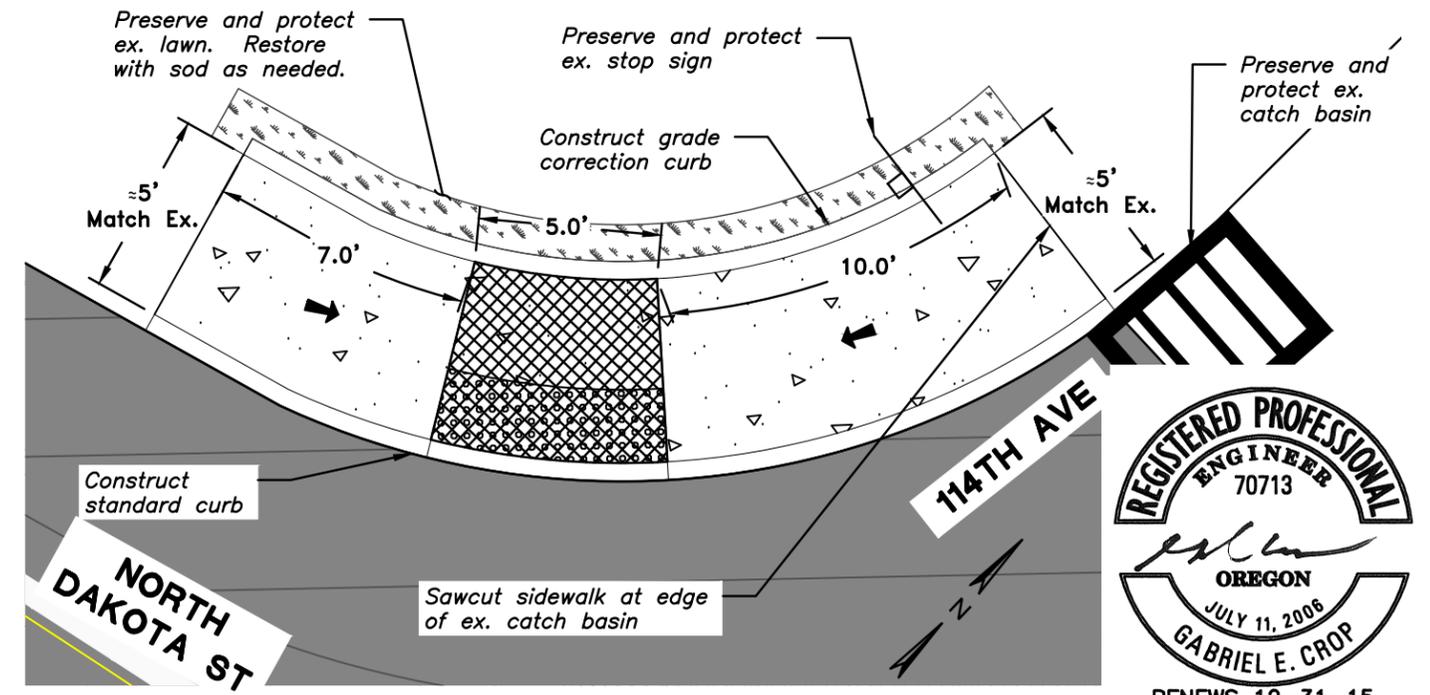
**NW CORNER**



**NE CORNER**



**NW CORNER**

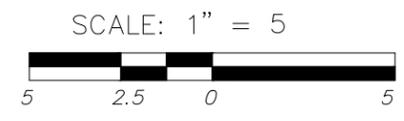


Slope is greater than 8.33%  
 Slope 8.33% (1":12") max. (Ramp length 15' max.)  
 Truncated dome detectable warning surface  
 Turning space (Min. level area 48" x 48")  
 For the purposes of this application a 2% maximum slope (for drainage) is considered level

**REGISTERED PROFESSIONAL ENGINEER**  
 70713  
  
**OREGON**  
 JULY 11, 2006  
**GABRIEL E. CROP**  
 RENEWS 12-31-15

Plotted by: SINGLAIR\_BJRR on Tuesday, April 07, 2015 at 12:52:31 PM from the 15 D10 layout tab  
 File Name: Path: G:\PD\PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D2-09.DWG

Revisions and Addendums			
Description	Date	No.	By



**ENGINEERING DIVISION**  
**PUBLIC WORKS DEPARTMENT**  
 13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

Murray, Smith & Associates, Inc.  
Engineers/Planners  
Portland, Oregon

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

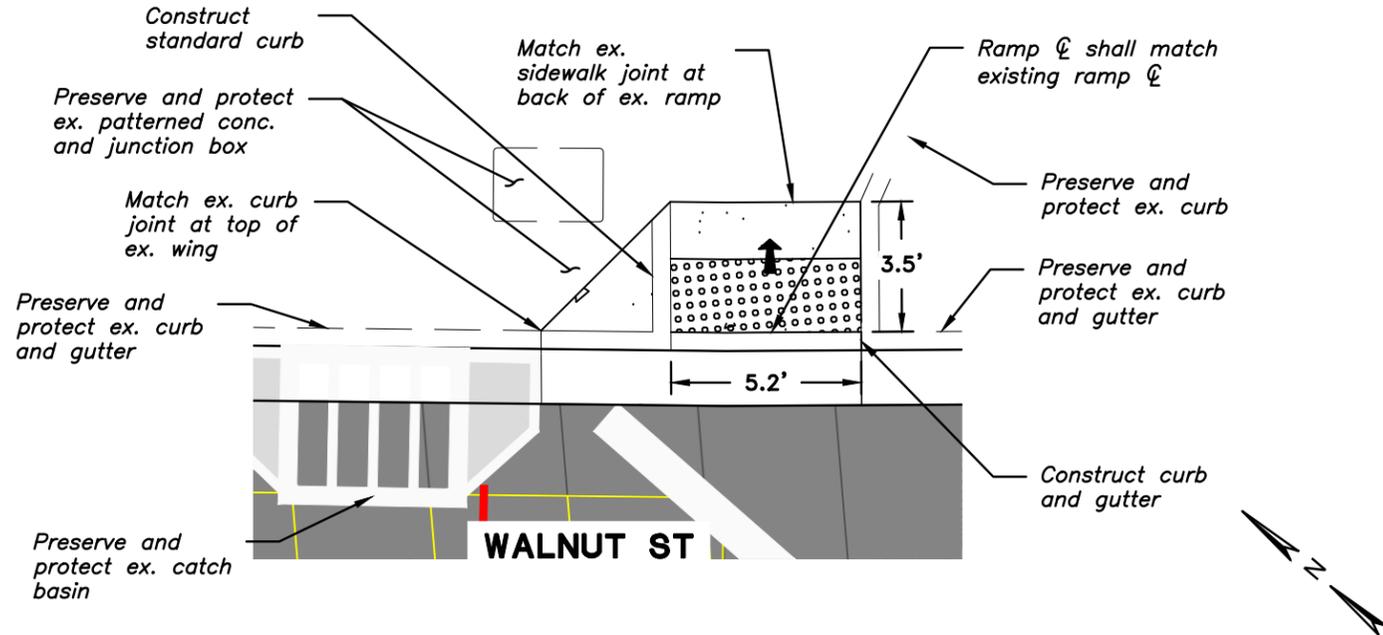
**Pavement Rehabilitation**

**Sidewalk Ramp Details - North Dakota Street**

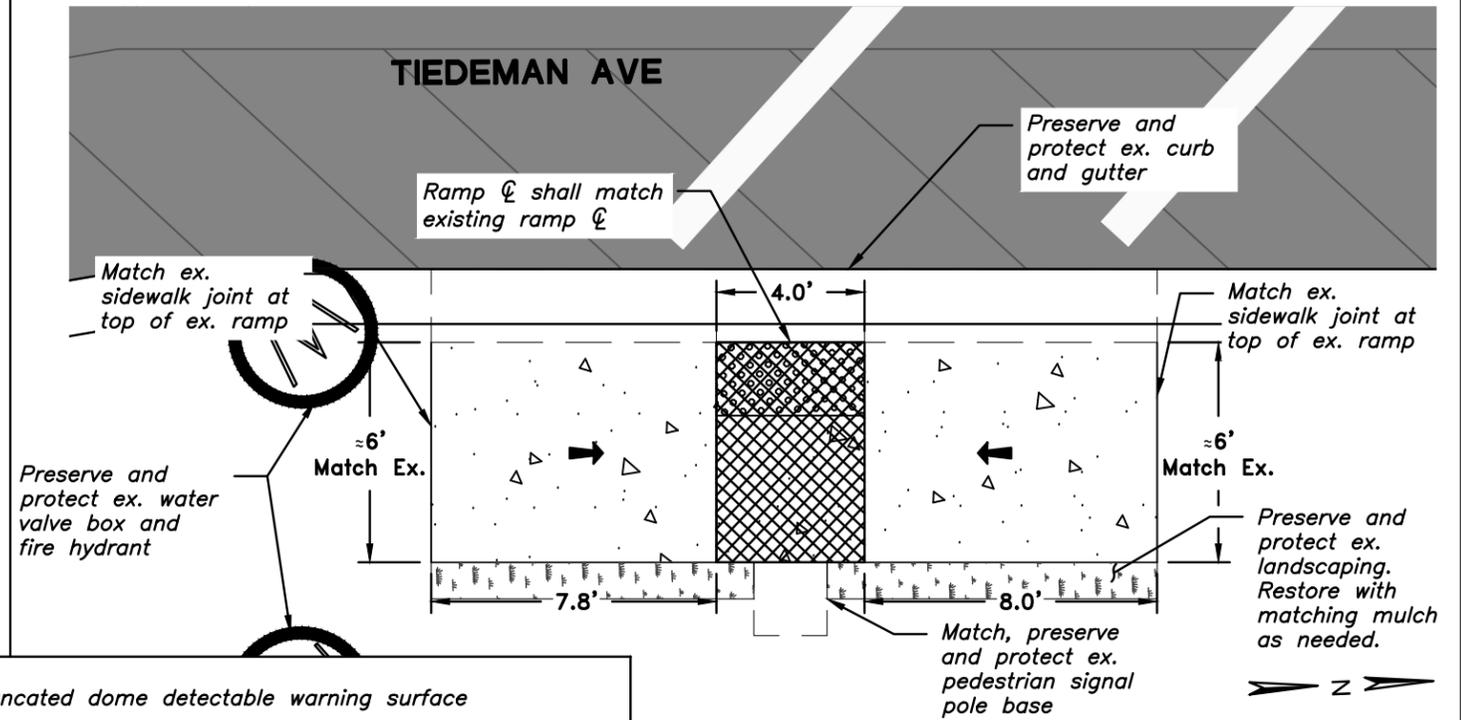
<b>SHEET</b>	D10
<b>OF</b>	56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

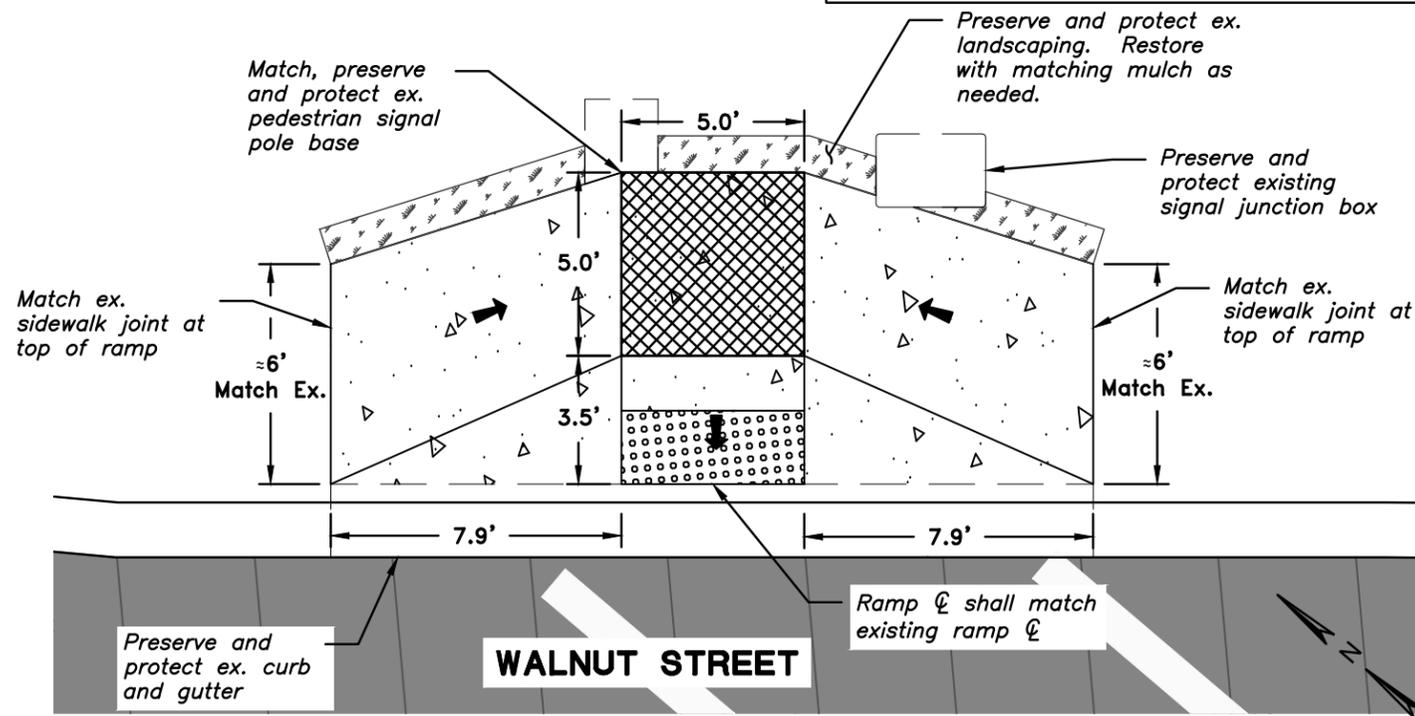
**NW CORNER**



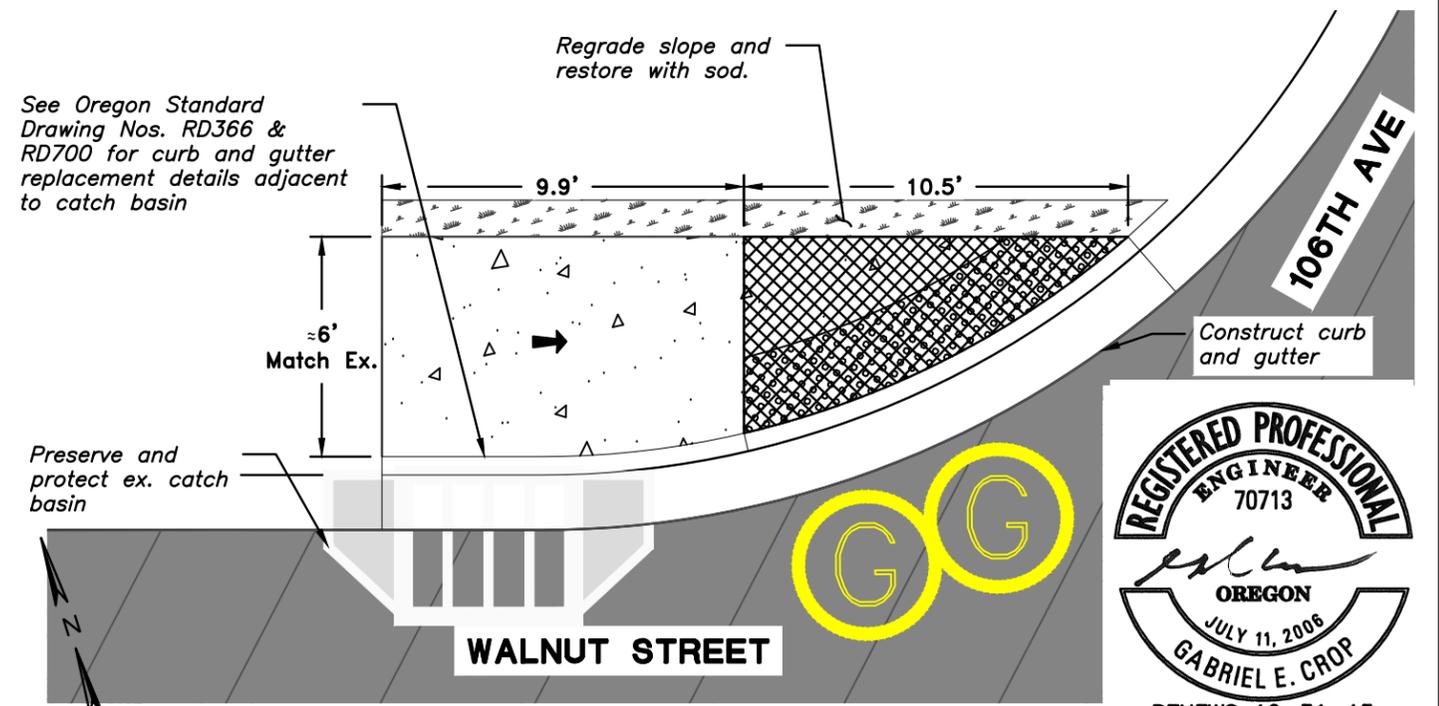
**NE CORNER (1)**



**NE CORNER (2)**



**NW CORNER**



Slope is greater than 8.33%  
 Slope 8.33% (1":12" max.) (Ramp length 15' max.)  
 Truncated dome detectable warning surface  
 Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level

Plotted by: SINGLAIR BJRR on Tuesday, April 07, 2015 at 12:53:04 PM from the 16 D11 layout tab  
 File Name: Path: G:\POX\_PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D10-D16.DWG

Revisions and Addendums			
Description	Date	No.	By

SCALE: 1" = 5'

13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

Murray, Smith & Associates, Inc.  
 Engineers/Planners  
 Portland, Oregon

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

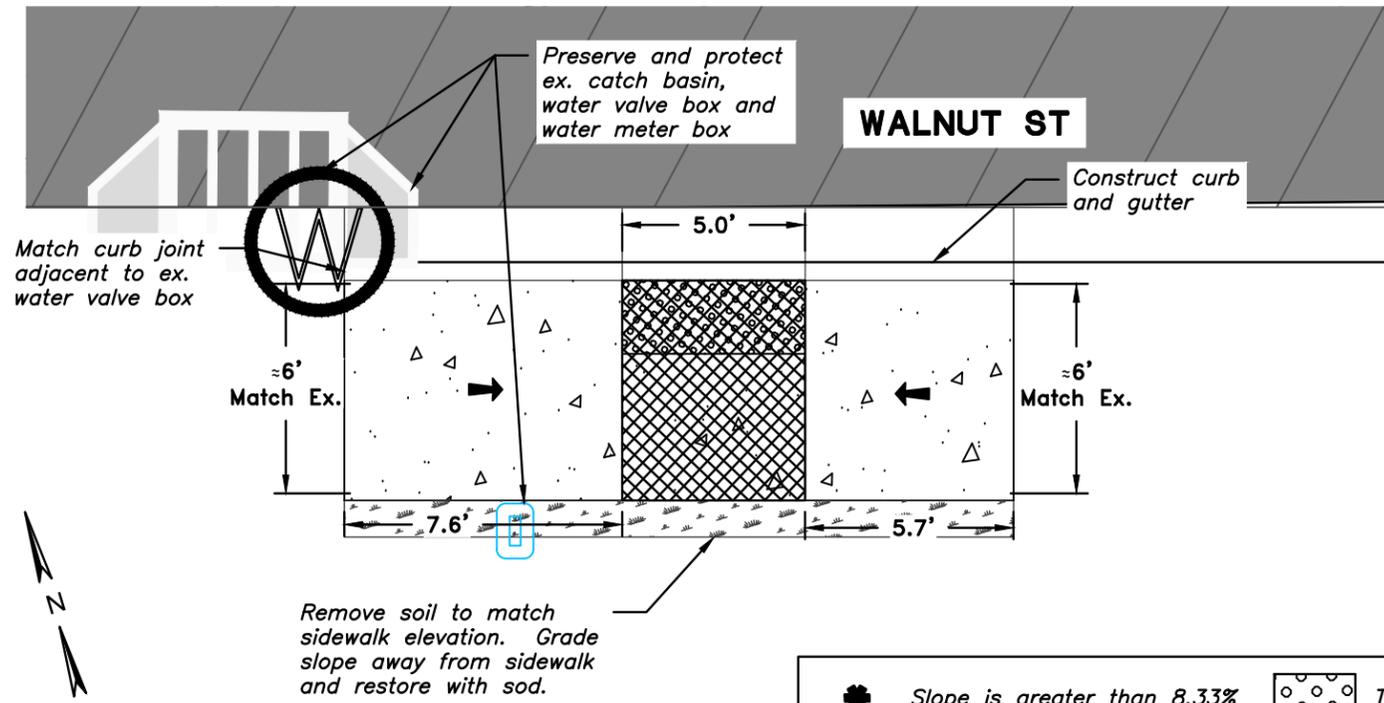
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

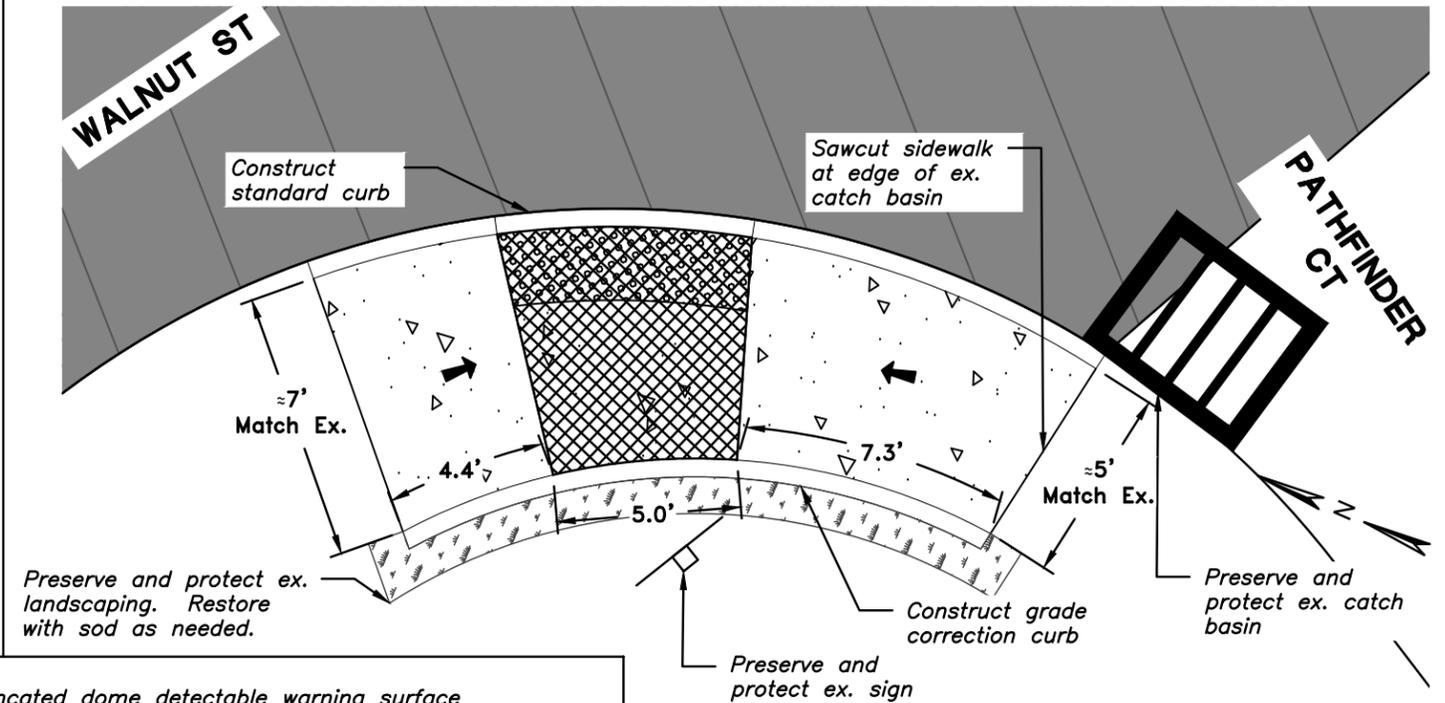
**Sidewalk Ramp Details - Walnut Street**

REGISTERED PROFESSIONAL ENGINEER  
 70713  
 GABRIEL E. CROP  
 JULY 11, 2006  
 RENEWS 12-31-15

**SOUTH SIDE**

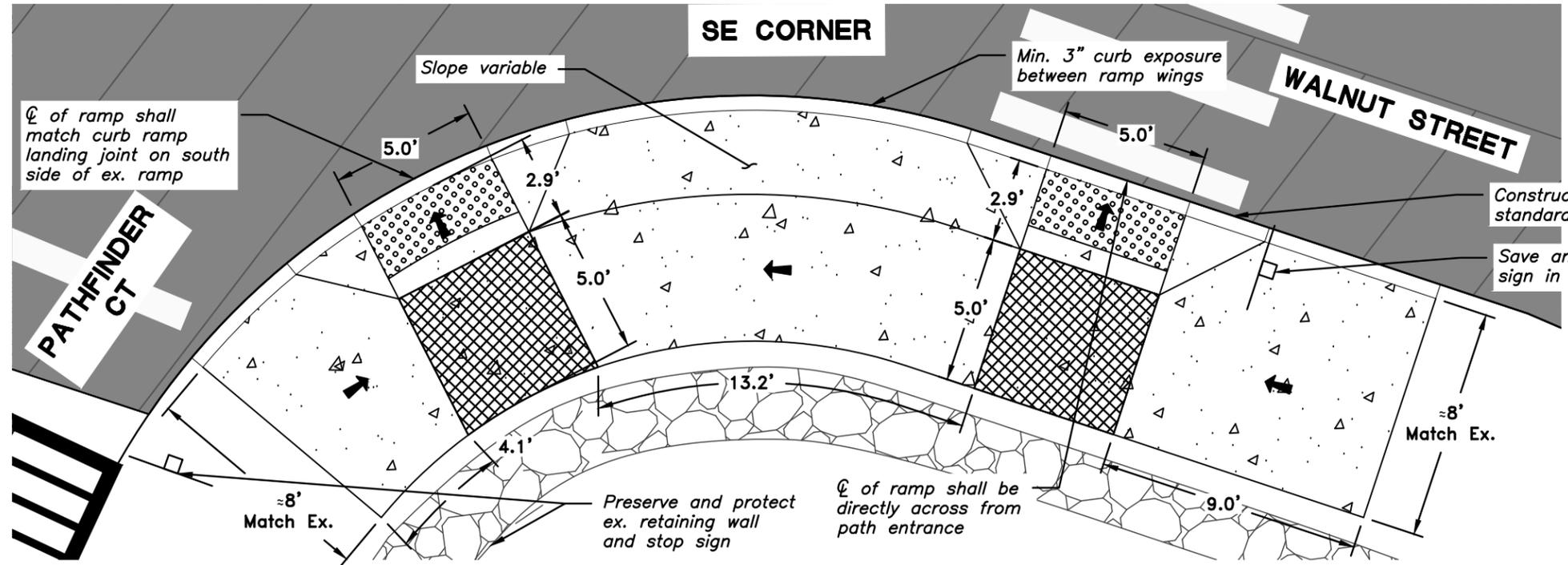


**SW CORNER**



Slope is greater than 8.33%  
 Slope 8.33% (1":12" max.) (Ramp length 15' max.)  
 Truncated dome detectable warning surface  
 Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level

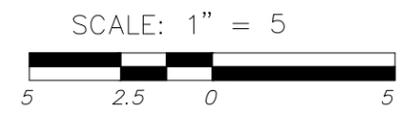
**SE CORNER**



**REGISTERED PROFESSIONAL ENGINEER**  
 70713  
  
**OREGON**  
 JULY 11, 2006  
**GABRIEL E. CROP**  
 RENEWS 12-31-15

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:53:21 PM from the 17 D12 layout tab  
 File Name: Path: G:\POX\_PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D10-D16.DWG

Revisions and Addendums	Date	No.	By
Description			



**ENGINEERING DIVISION**  
**PUBLIC WORKS DEPARTMENT**  
 13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV

Murray, Smith & Associates, Inc.  
Engineers/Planners  
Portland, Oregon

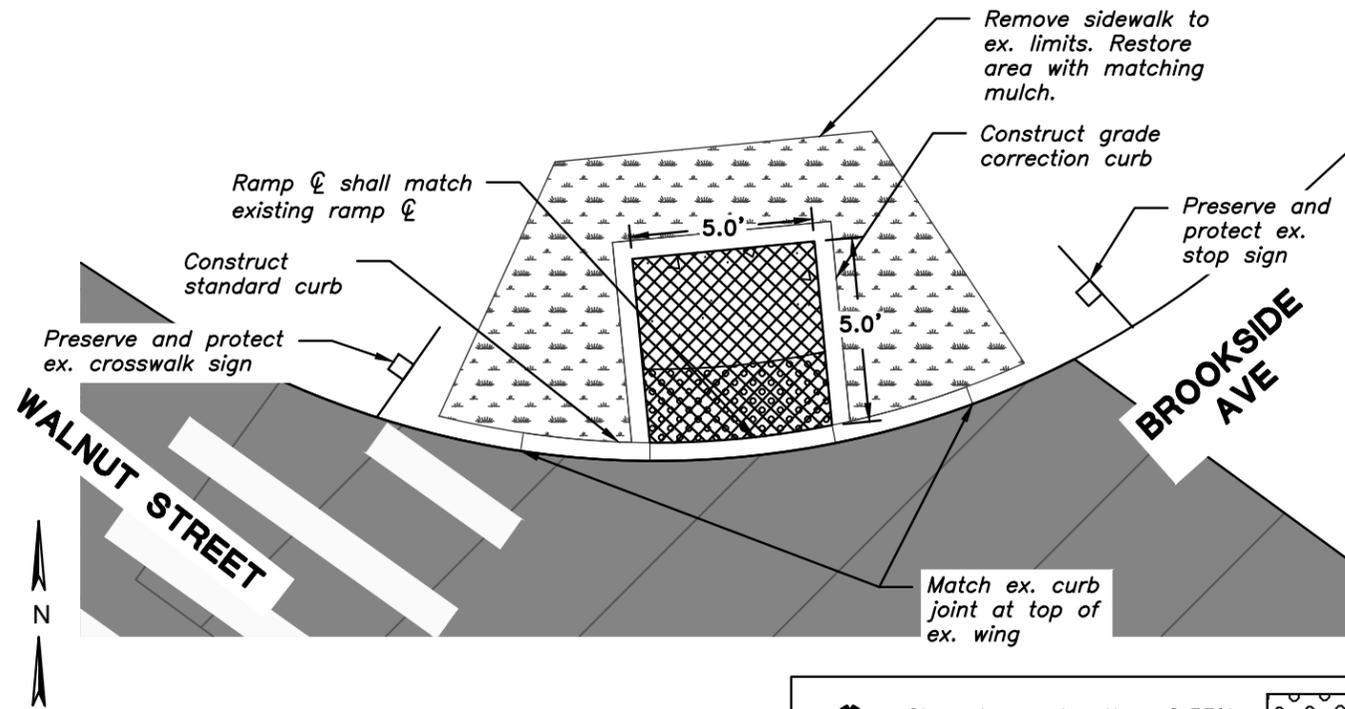
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**  
**Sidewalk Ramp Details - Walnut Street**

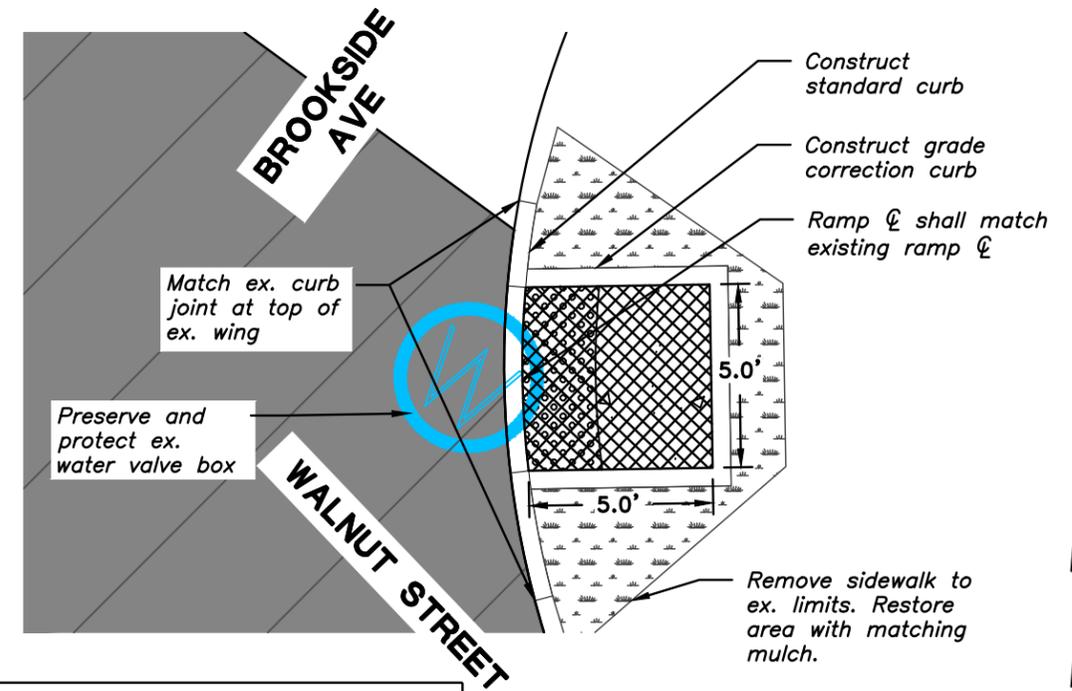
**SHEET**  
 D12  
 17  
**OF**  
 56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

**NW CORNER**

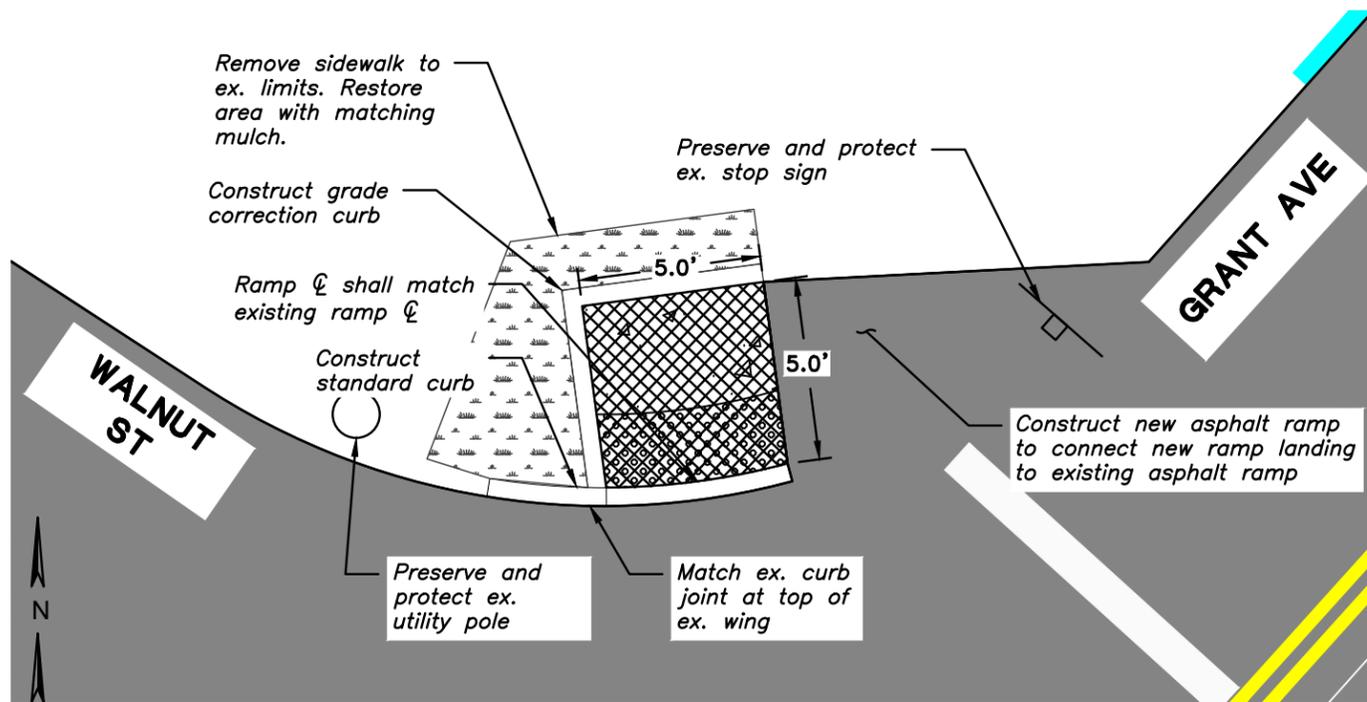


**NE CORNER**

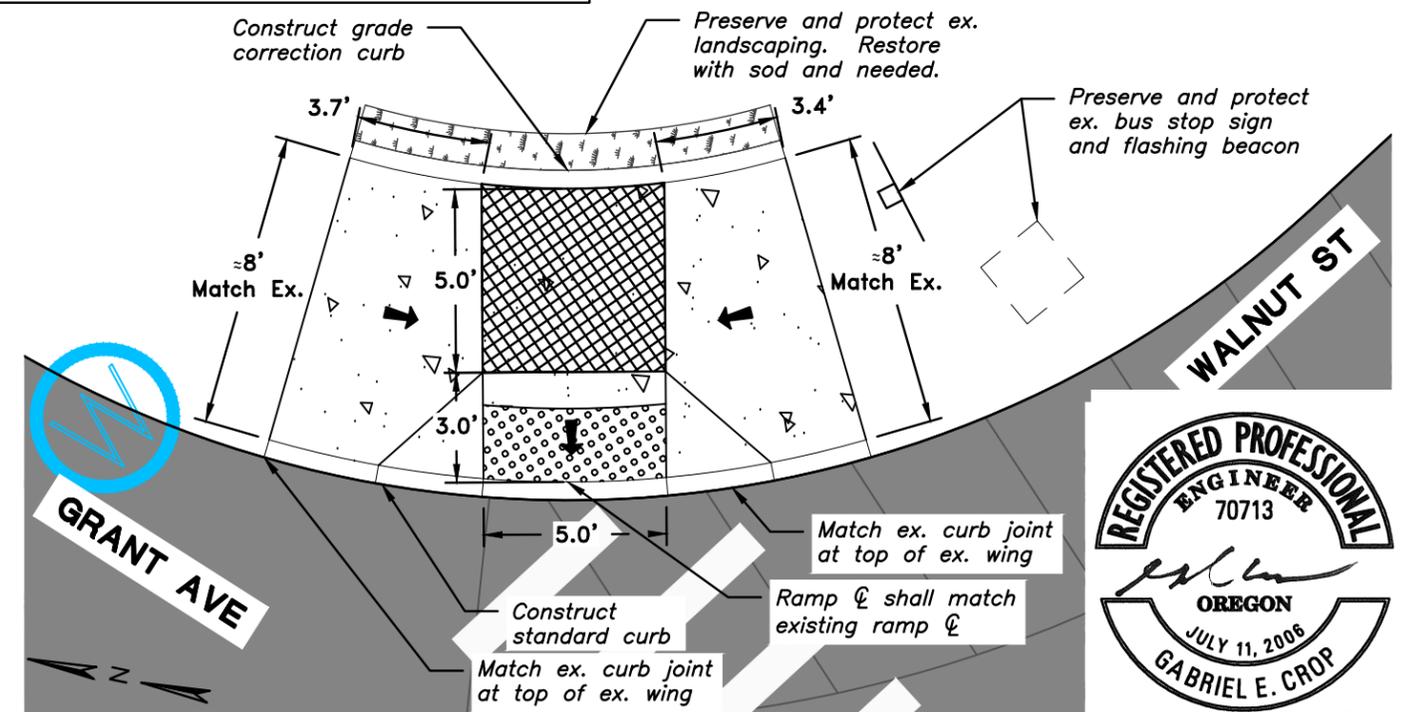


Slope is greater than 8.33%
 Truncated dome detectable warning surface  
 Slope 8.33% (1":12") max. (Ramp length 15' max.)  
 Turning space (Min. level area 48" x 48")  
 For the purposes of this application a 2% maximum slope (for drainage) is considered level

**NW CORNER**

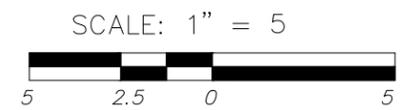


**NE CORNER**



Plotted by: SINGLAIR\_BJRR on Tuesday, April 07, 2015 at 12:53:46 PM from the 18 D13 layout tab  
 File Name: Path: G:\PD\PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D10-D16.DWG

Revisions and Addendums			
Description	Date	No.	By



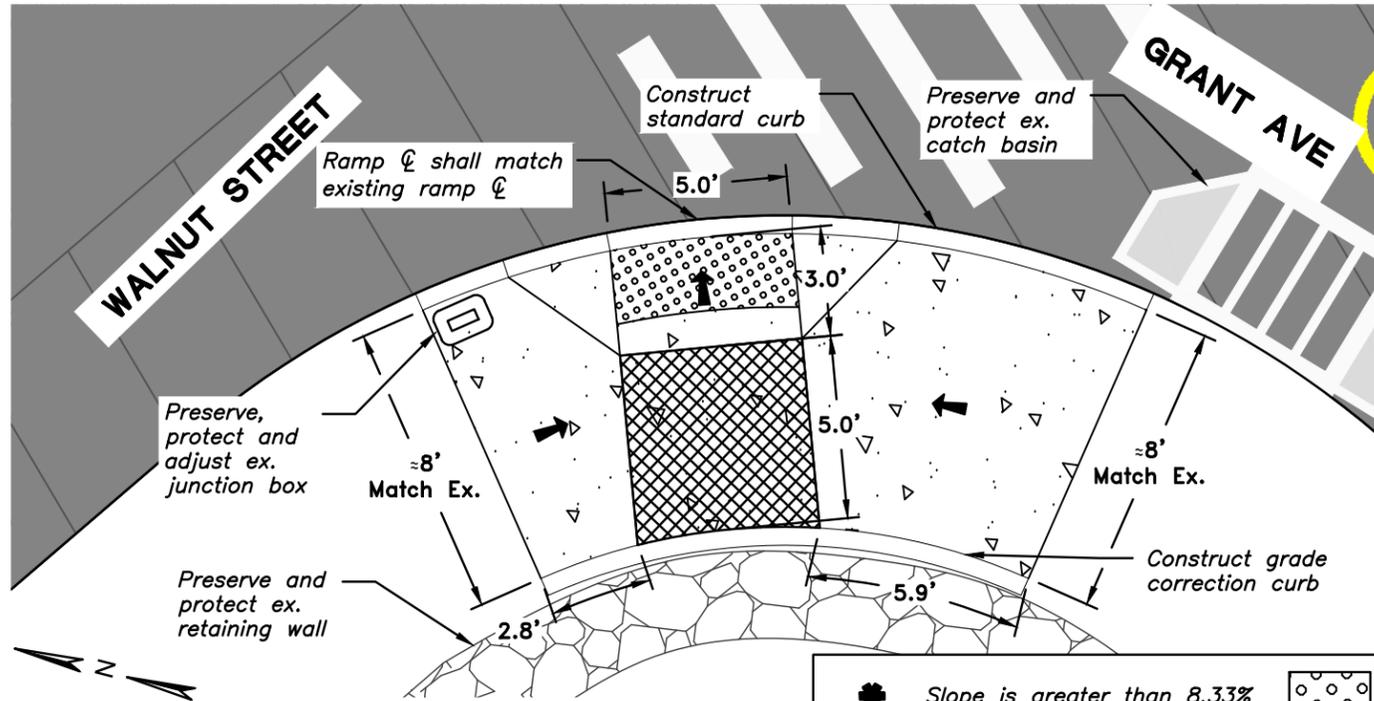
**ENGINEERING DIVISION**  
**PUBLIC WORKS DEPARTMENT**  

 13125 S.W. HALL BLVD.  
 TIGARD, OREGON 97223  
 VOICE: 503-639-4171  
 FAX: 503-624-0752  
 WWW.TIGARD-OR.GOV  
 Murray, Smith & Associates, Inc.  
 Engineers/Planners  
 Portland, Oregon

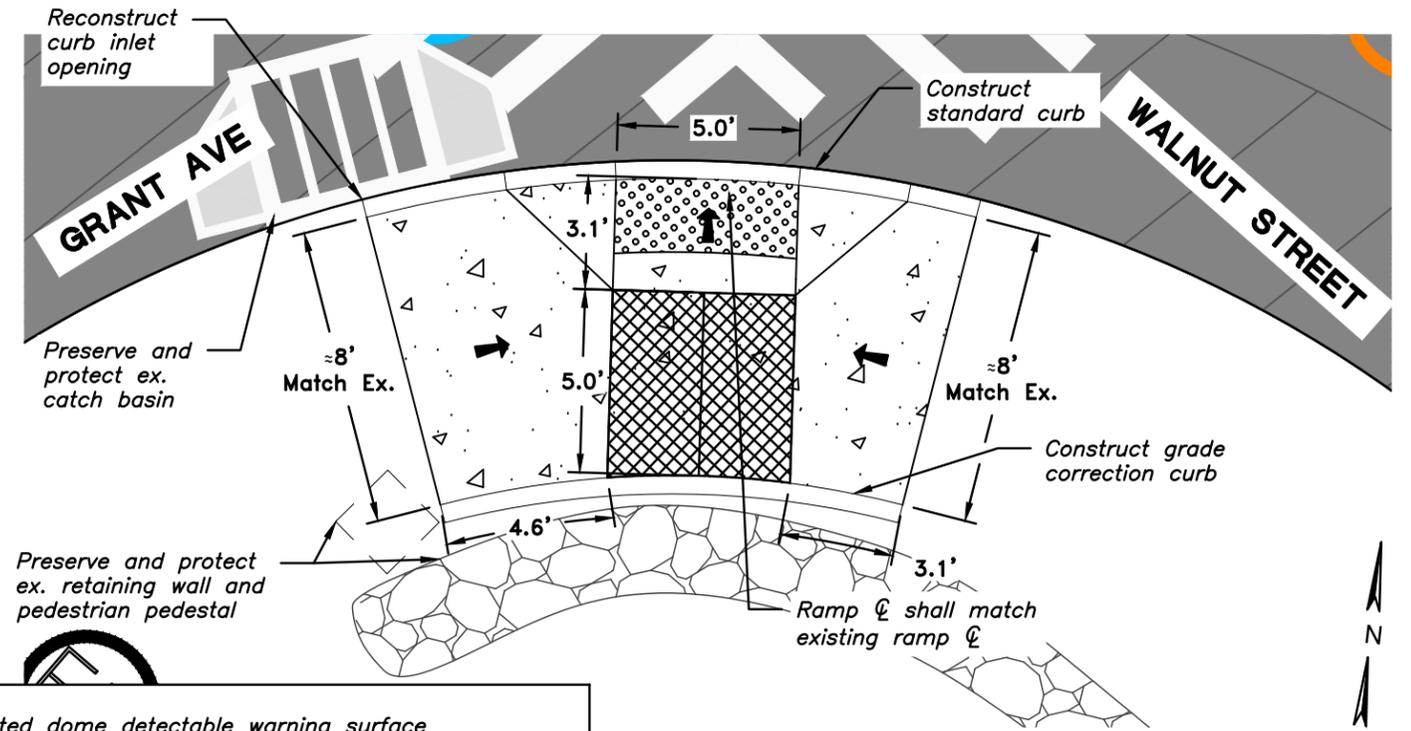
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**  
**Sidewalk Ramp Details - Walnut Street**

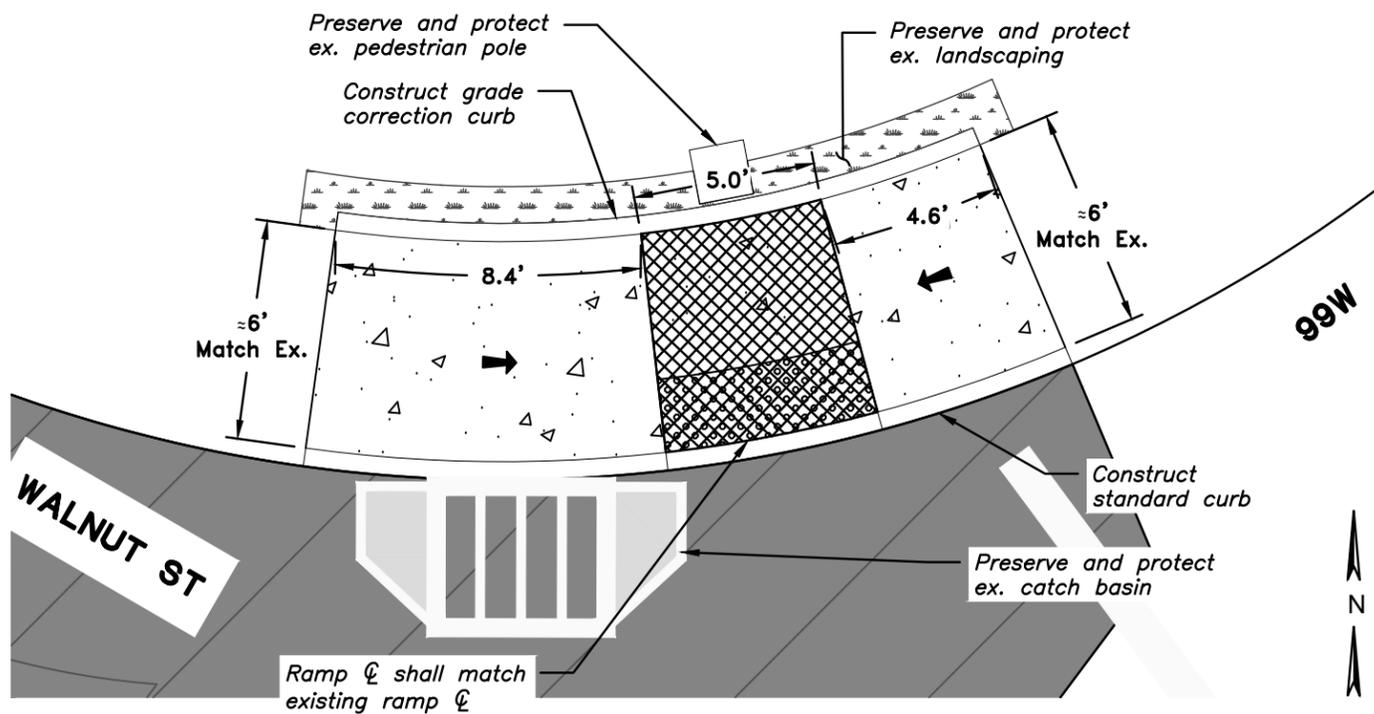
**SW CORNER**



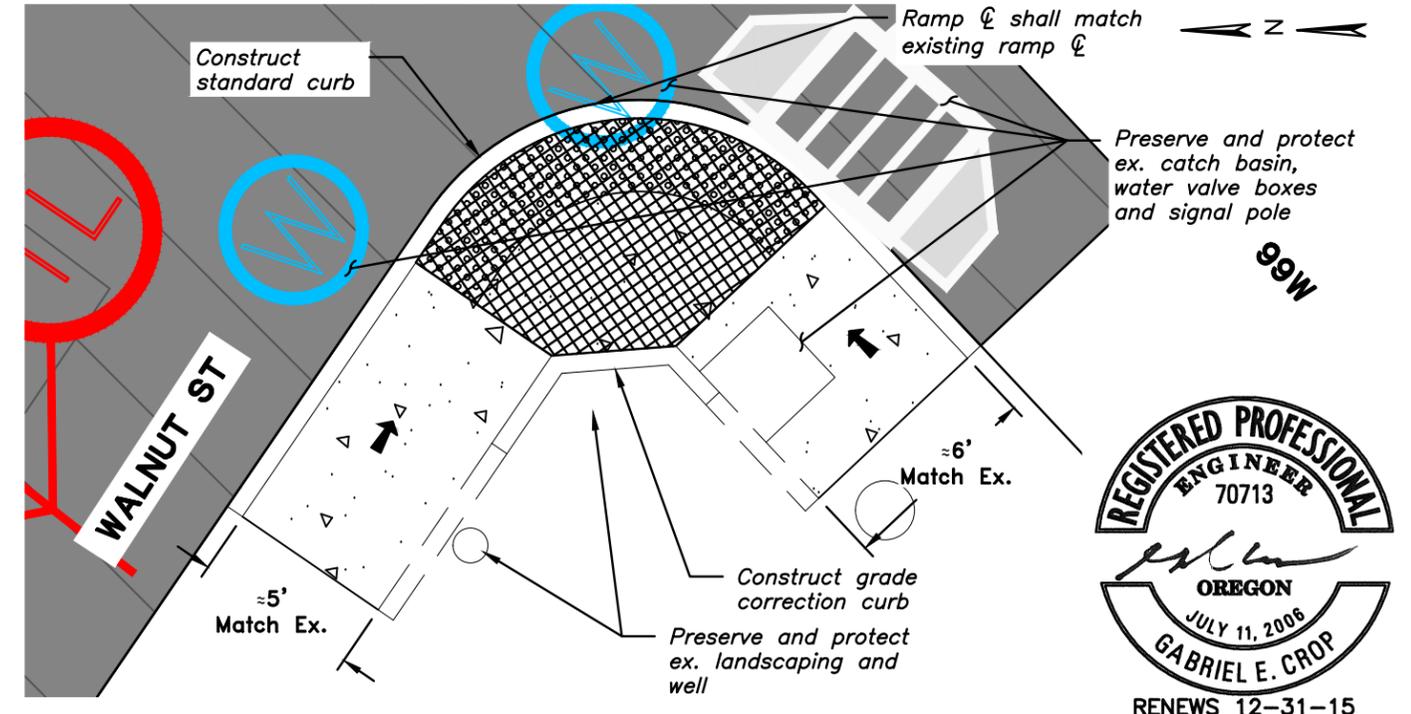
**SE CORNER**



**NW CORNER**



**SW CORNER**

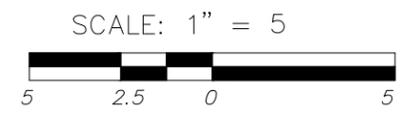


Slope is greater than 8.33%  
 Slope 8.33% (1":12") max. (Ramp length 15' max.)  
 Truncated dome detectable warning surface  
 Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level



Plotted by: SINGLAIR BJRR on Tuesday, April 07, 2015 at 12:54:11 PM from the 19\_D14 layout tab  
 File Name: Path: G:\POX\_PROJECTS\14\_1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D10-D16.DWG

Revisions and Addendums			
Description	Date	No.	By

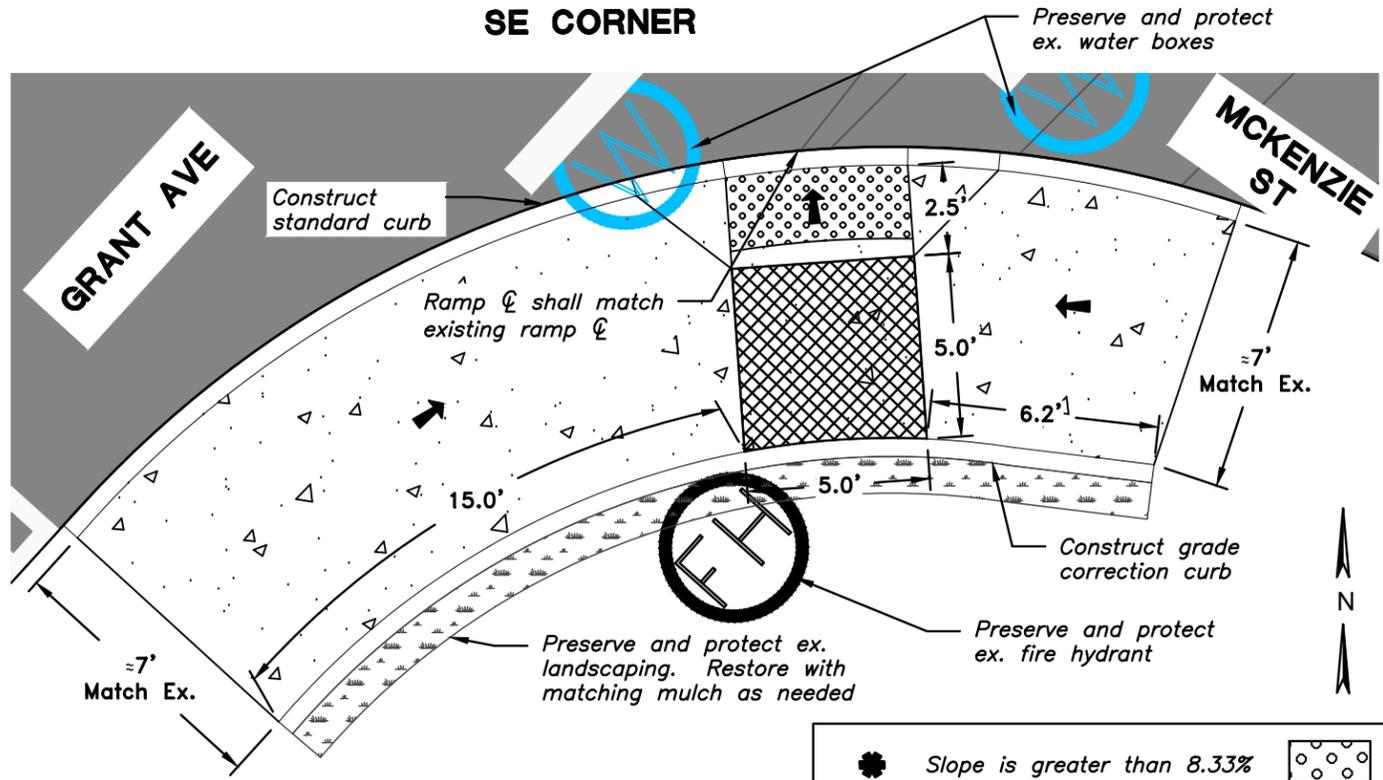


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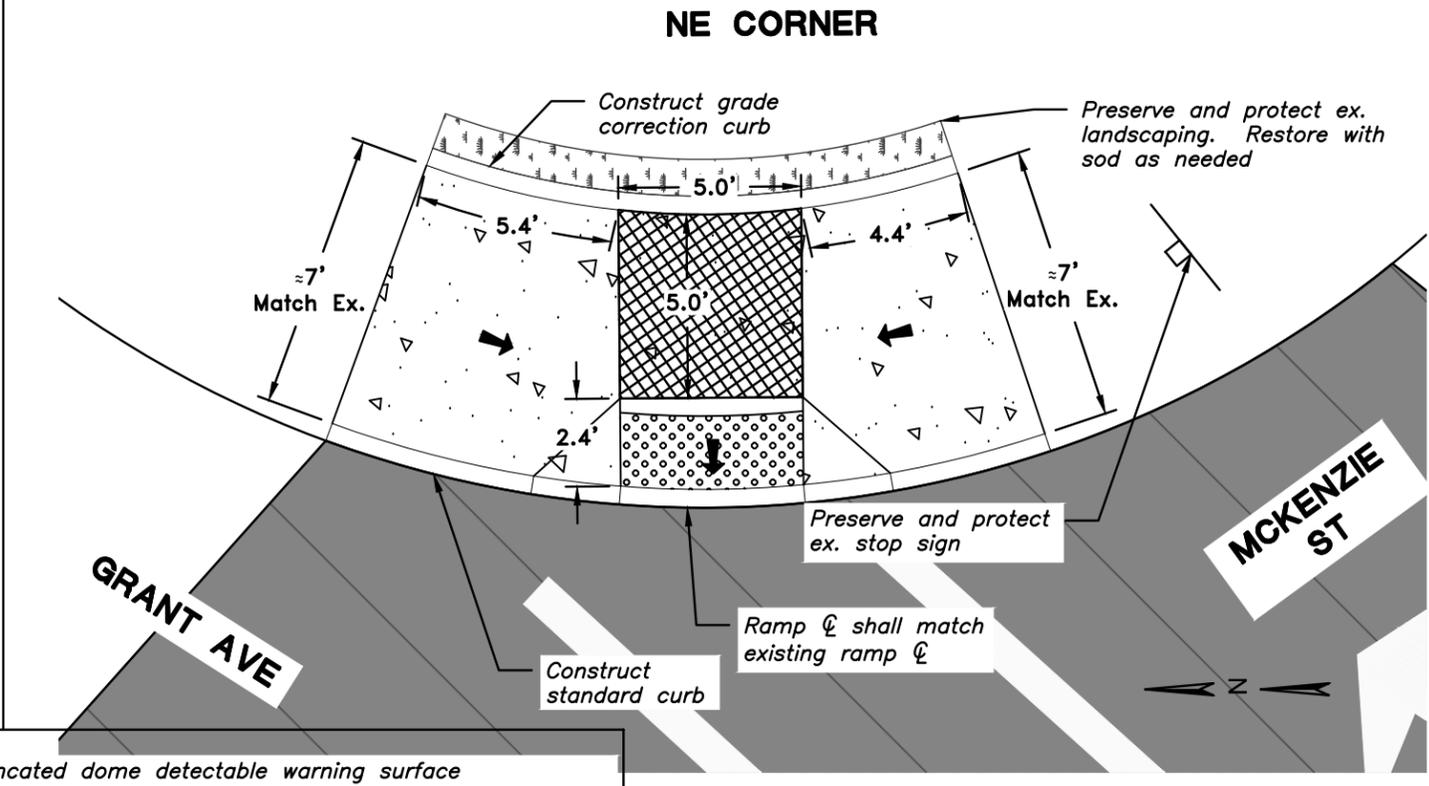
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**  
**Pavement Rehabilitation**  
**Sidewalk Ramp Details - Walnut Street**

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

**SE CORNER**



**NE CORNER**

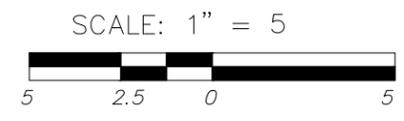


	Slope is greater than 8.33%		Truncated dome detectable warning surface
	Slope 8.33% (1":12") max. (Ramp length 15' max.)		Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level

Plotted by: SINGLAIR BJRR on Tuesday, April 07, 2015 at 12:54:26 PM from the 20\_D15 layout tab  
File Name: Path: G:\PDX\_PROJECTS\14\_1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D10-D16.DWG



Revisions and Addendums			
Description	Date	No.	By



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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

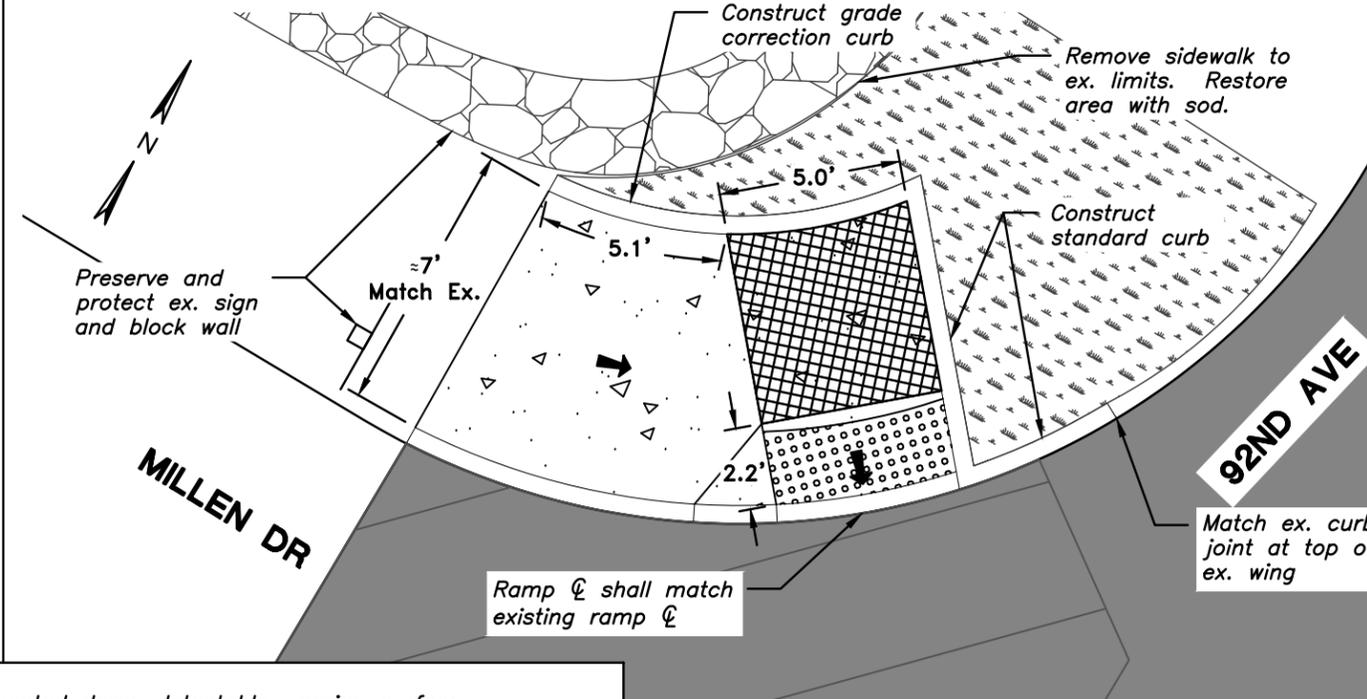
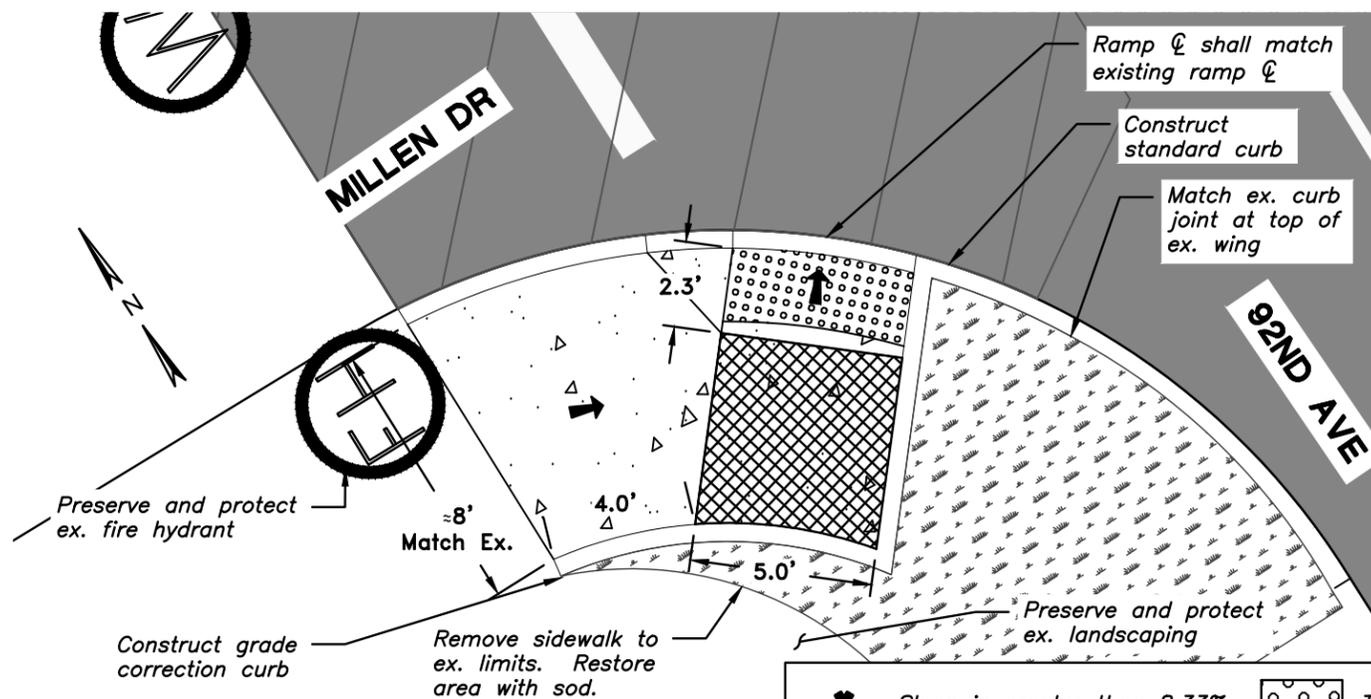
**Sidewalk Ramp Details - Grant Avenue**

**SHEET**  
D15  
20  
**OF**  
56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

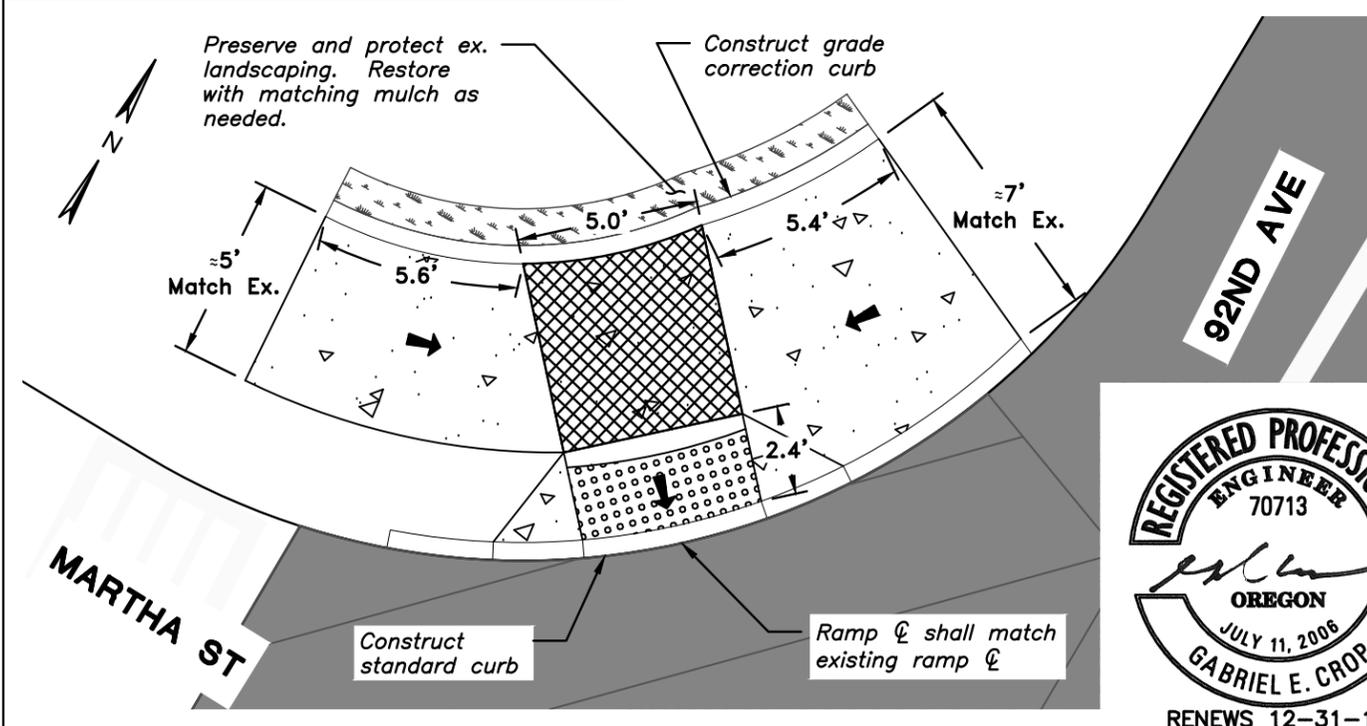
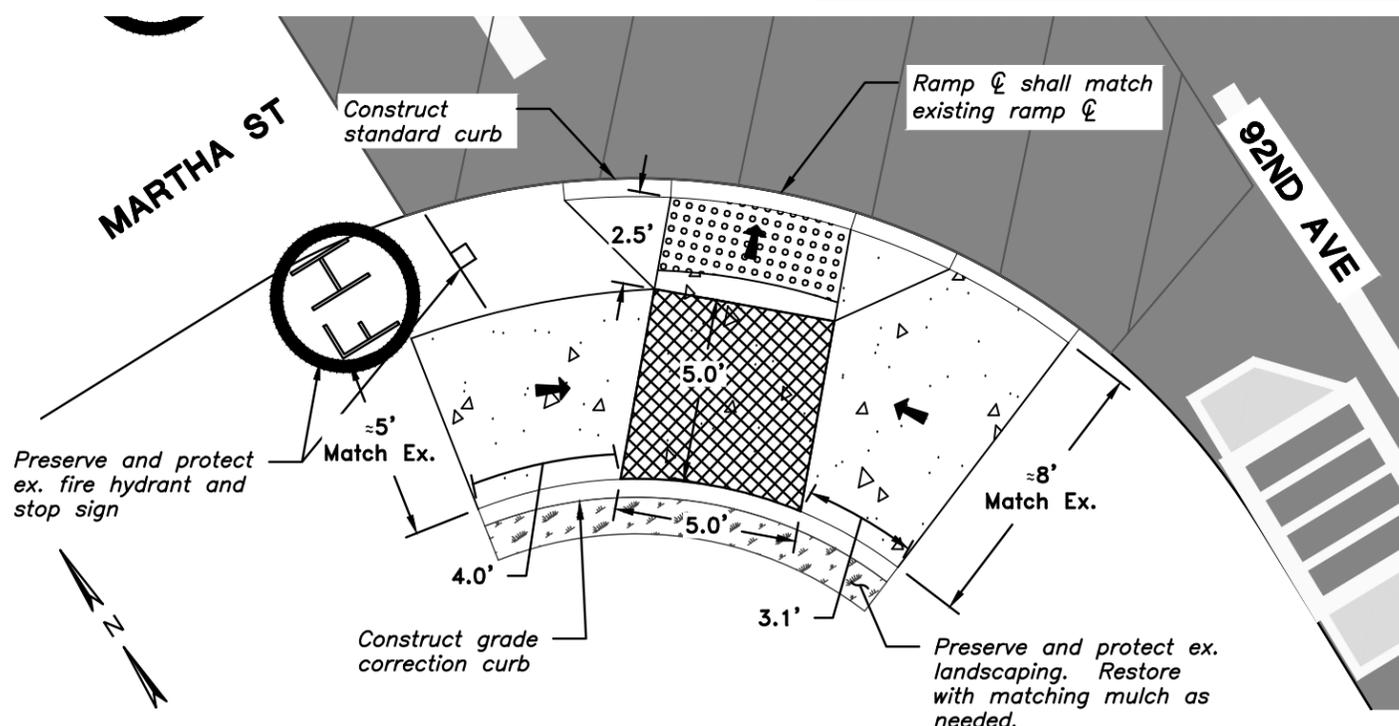
**SW CORNER**

**NW CORNER**



**SW CORNER**

**NW CORNER**



- Slope is greater than 8.33%
- Slope 8.33% (1":12" max.) (Ramp length 15' max.)
- Truncated dome detectable warning surface
- Turning space (Min. level area 48" x 48") For the purposes of this application a 2% maximum slope (for drainage) is considered level



Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:54:55 PM from the 21 D16 layout tab  
File Name: Path: G:\PD\PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-D2-D9.DWG

Revisions and Addendums	Date	No.	By
Description			

SCALE: 1" = 5'

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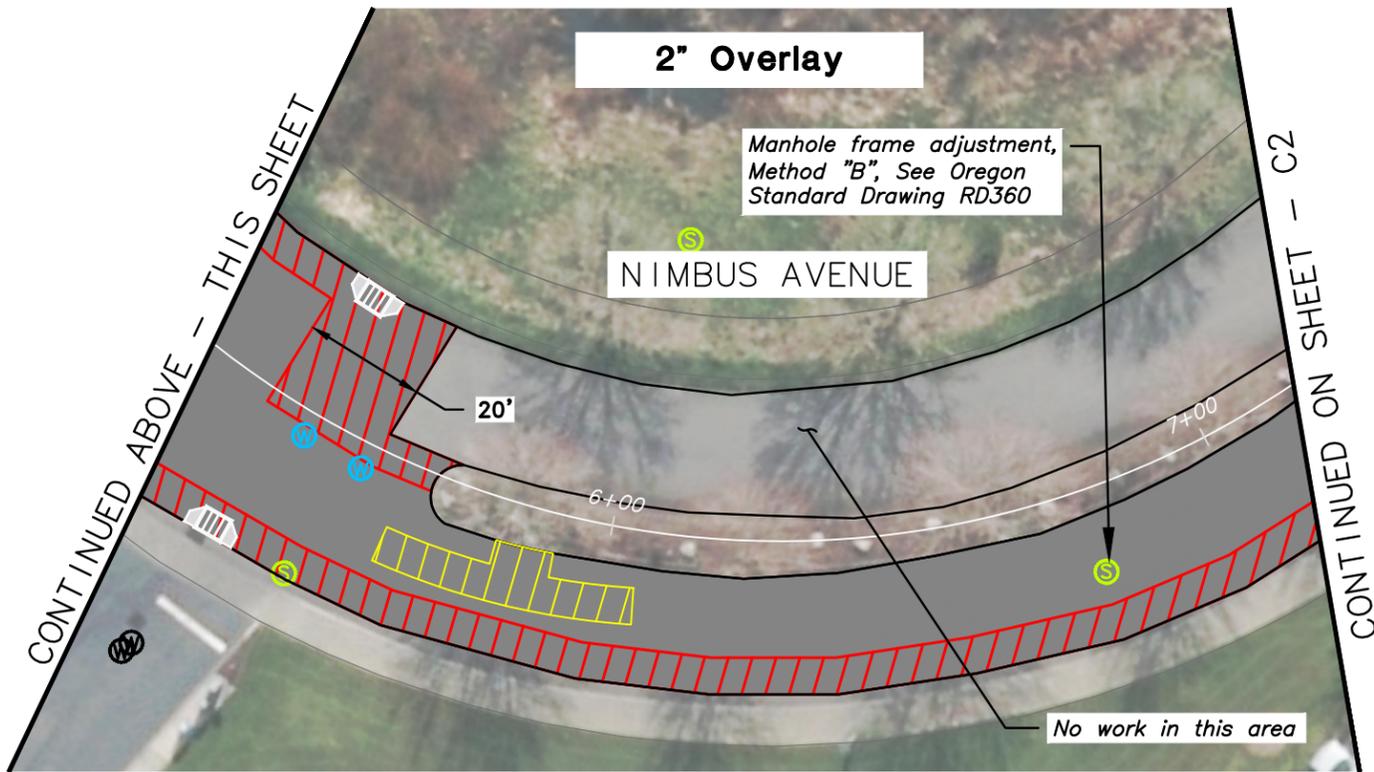
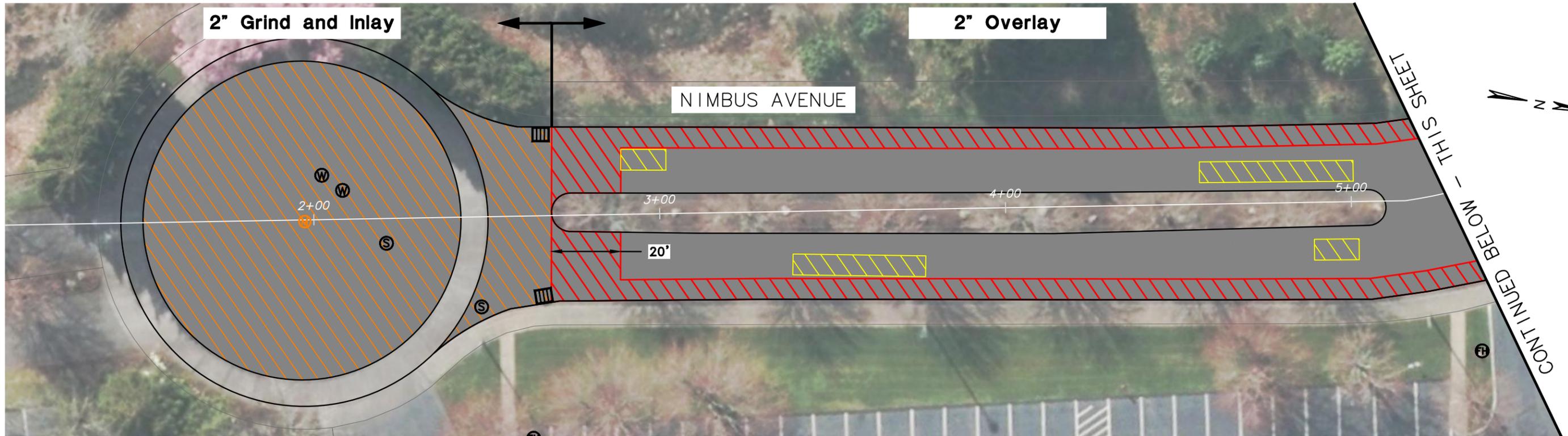
**DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL**

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

**Sidewalk Ramp Details - 92nd Avenue**

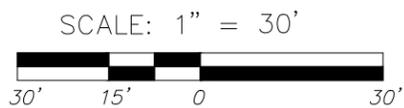
**SHEET D16**  
21 OF 56



Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:56:20 PM from the 22\_C1 layout tab  
File Name: Path: G:\PD\PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-NIMBUS.DWG



Revisions and Addendums			
Description	Date	No.	By



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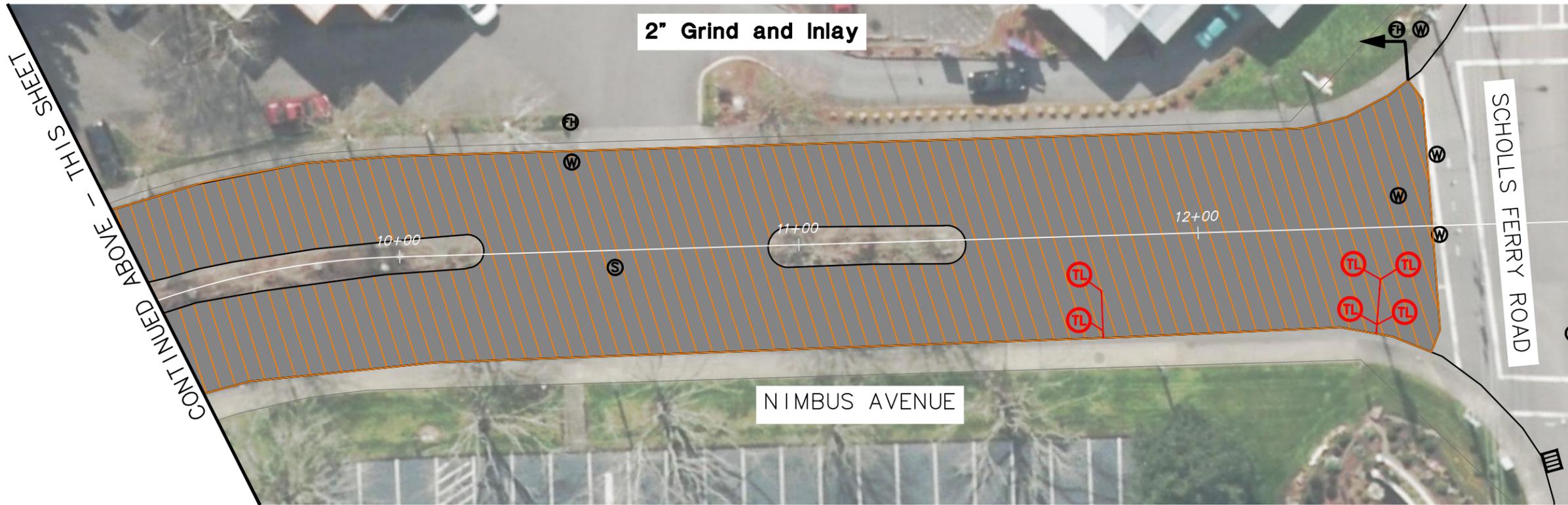
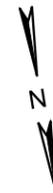
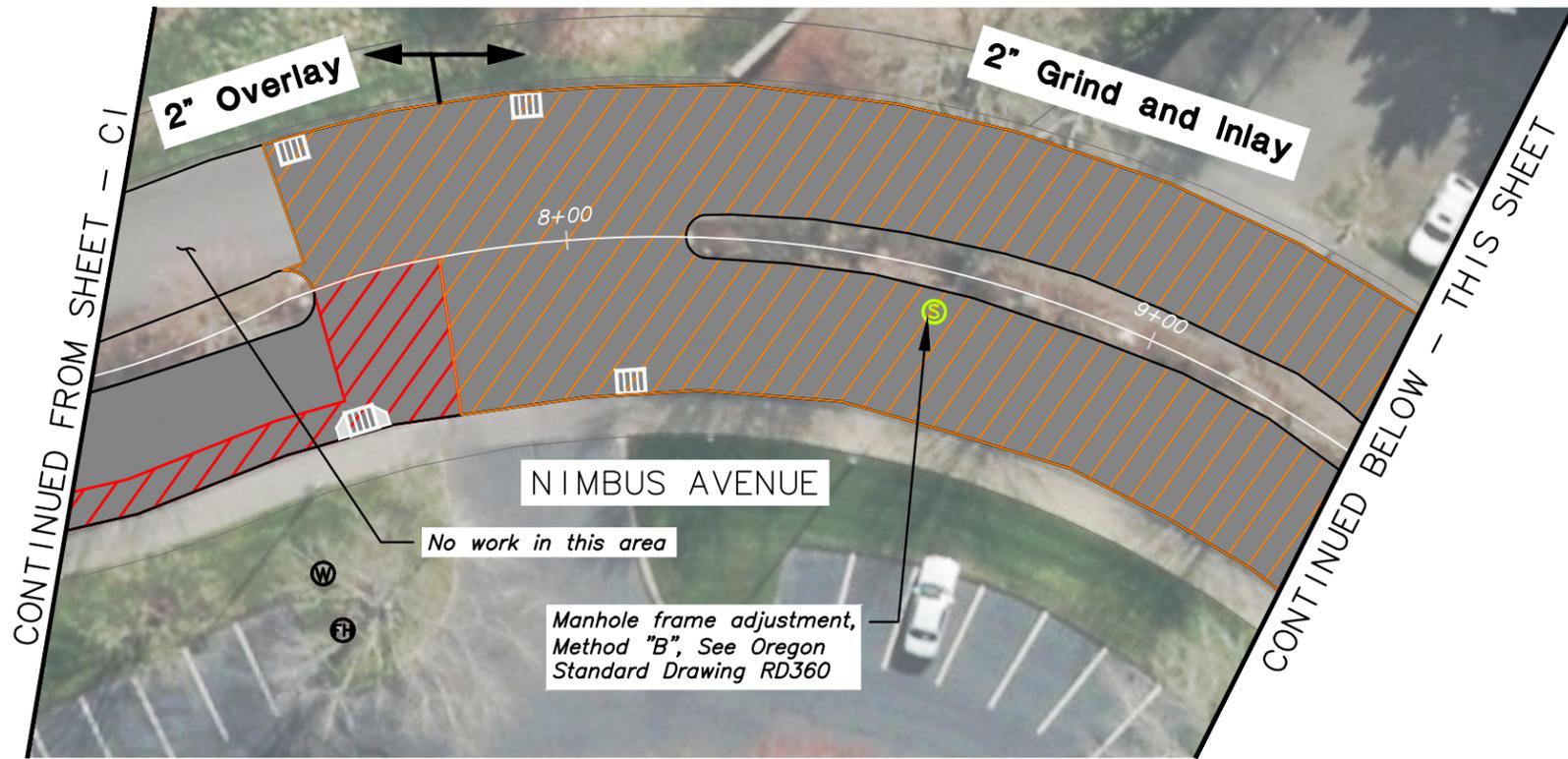
TIGARD

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

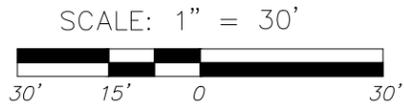
**Pavement Rehabilitation  
Paving Layout - Nimbus Avenue**

SHEET  
C1  
22  
OF  
56



Plotted by: SINGLAIR\_BJRR on Tuesday, April 07, 2015 at 12:56:34 PM from the 23 C2 layout tab  
File Name: Path: G:\POX\_PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-NIMBUS.DWG

Revisions and Addendums			
Description	Date	No.	By



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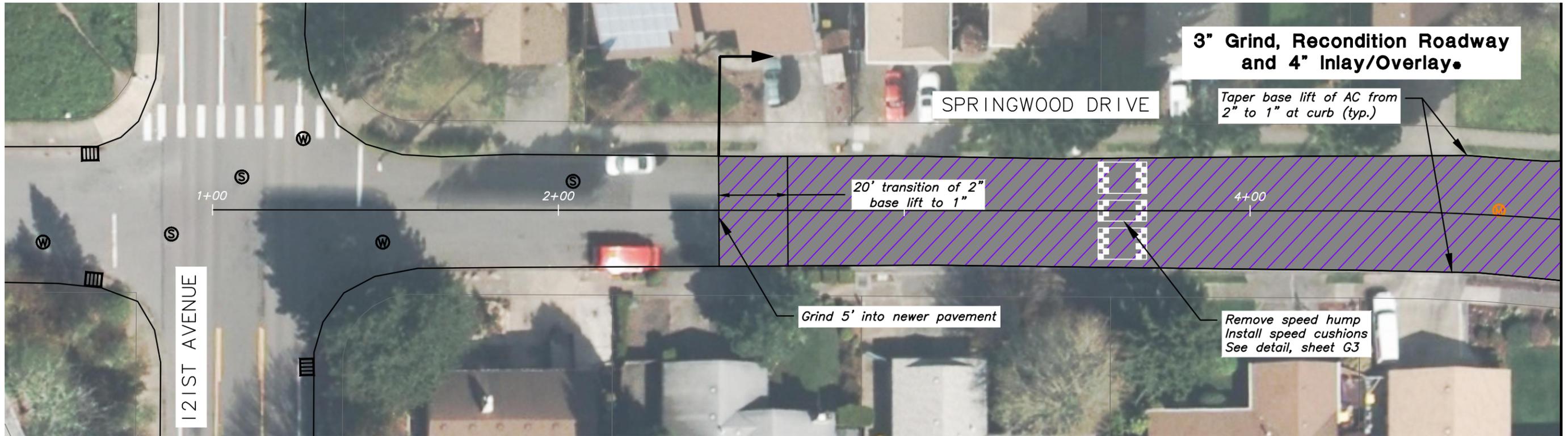
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

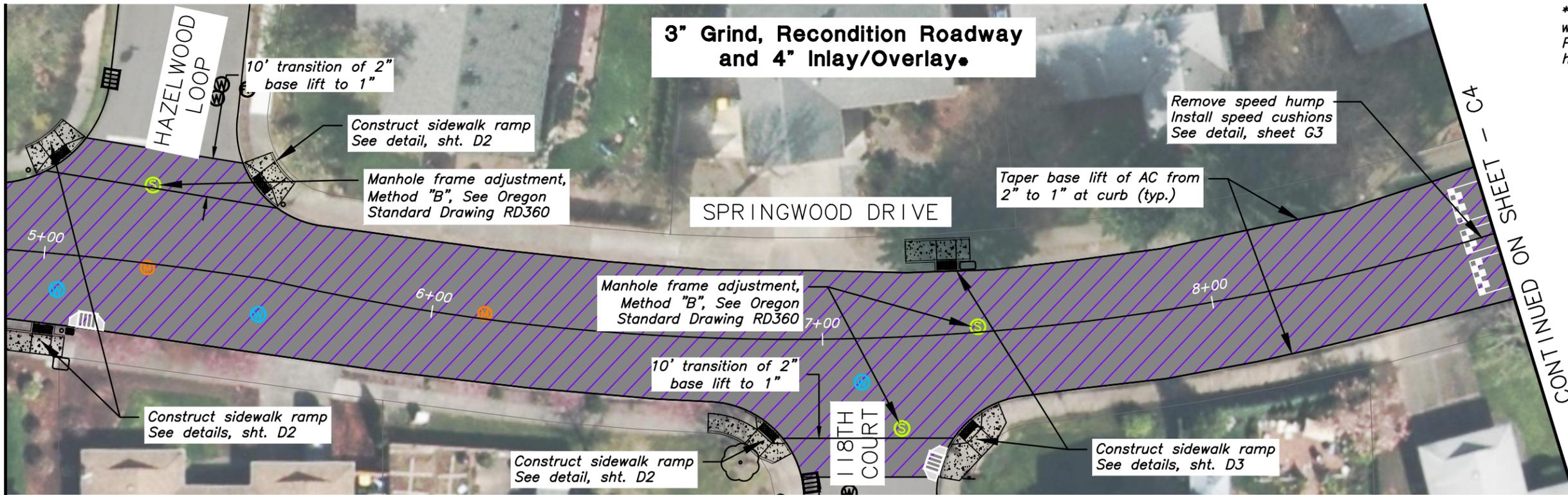
**Paving Layout - Nimbus Avenue**

**SHEET**  
C2  
**23**  
**OF**  
56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL



CONTINUED BELOW - THIS SHEET



\*Place base lift in same work shift as grinding. Place final lift within 48 hours.

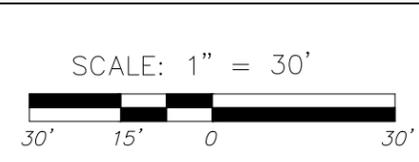
CONTINUED ABOVE - THIS SHEET

CONTINUED NO SHEET - C4



Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:56:59 PM from the 24\_C3 layout tab  
File Name: Path: G:\POX\_PROJECTS\14\_1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-SPRINGWOOD.DWG

Revisions and Addendums	Date	No.	By
Description			



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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

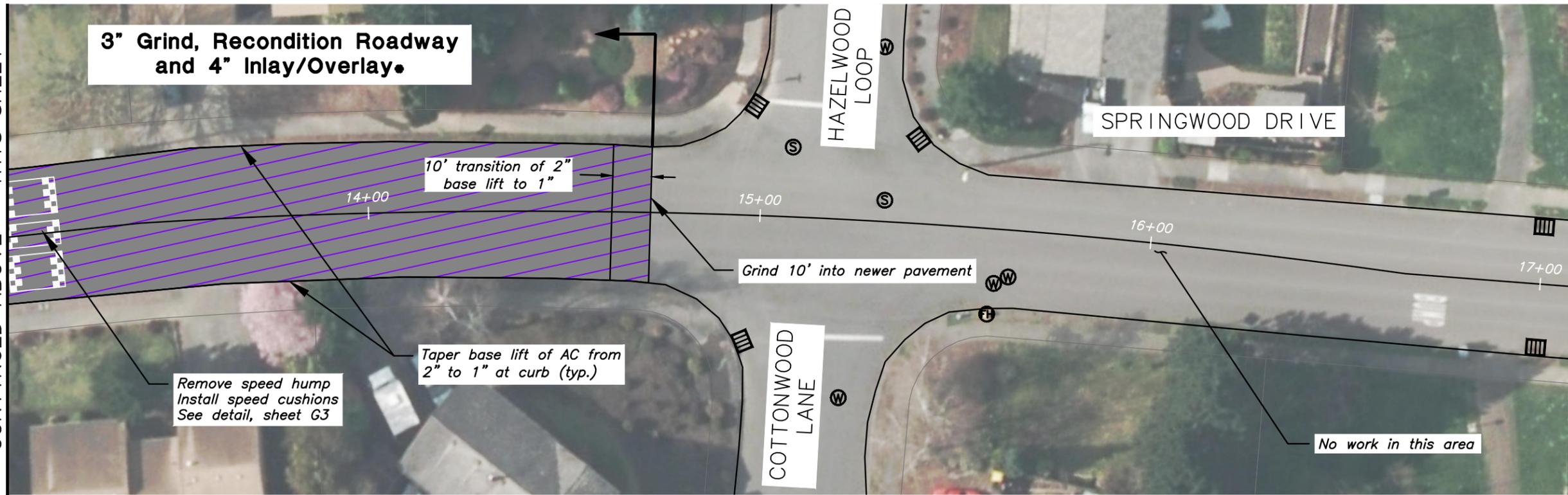
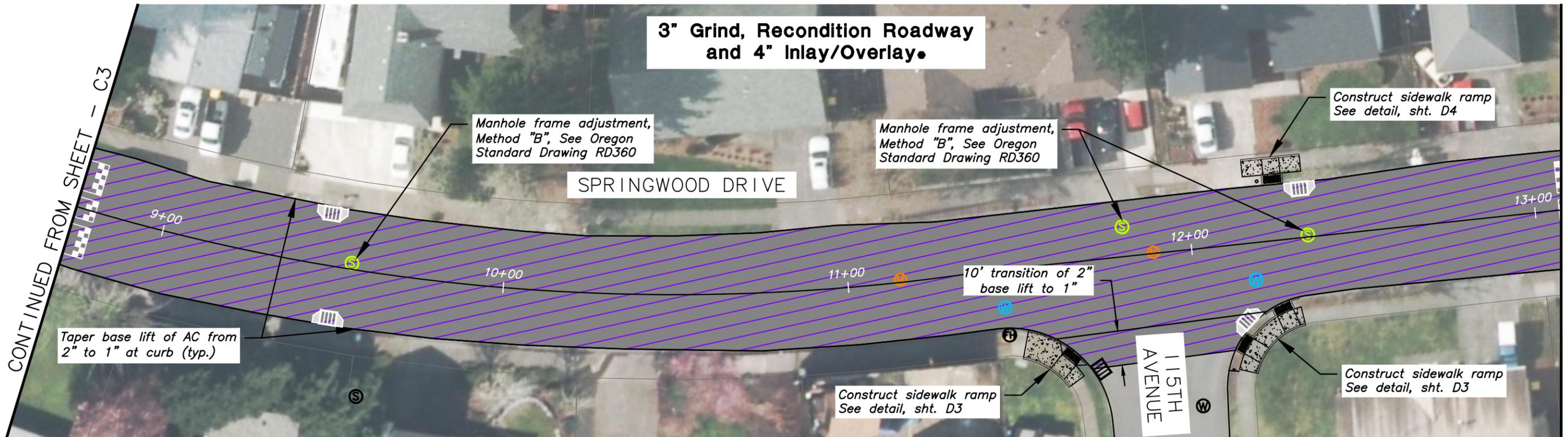
**Pavement Rehabilitation**

**Paving Layout - Springwood Drive**

SHEET  
C3  
24  
OF  
56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

Plotted by: SINGLAIR BURR on Tuesday, April 07, 2015 at 12:56:17 PM from the 25 C4 layout tab  
File Name: Path: G:\PDX\_PROJECTS\14\_1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-SPRINGWOOD.DWG



CONTINUED ON SHEET - C5

\*Place base lift in same work shift as grinding.  
Place final lift within one week.



Revisions and Addendums			
Description	Date	No.	By

SCALE: 1" = 30'

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

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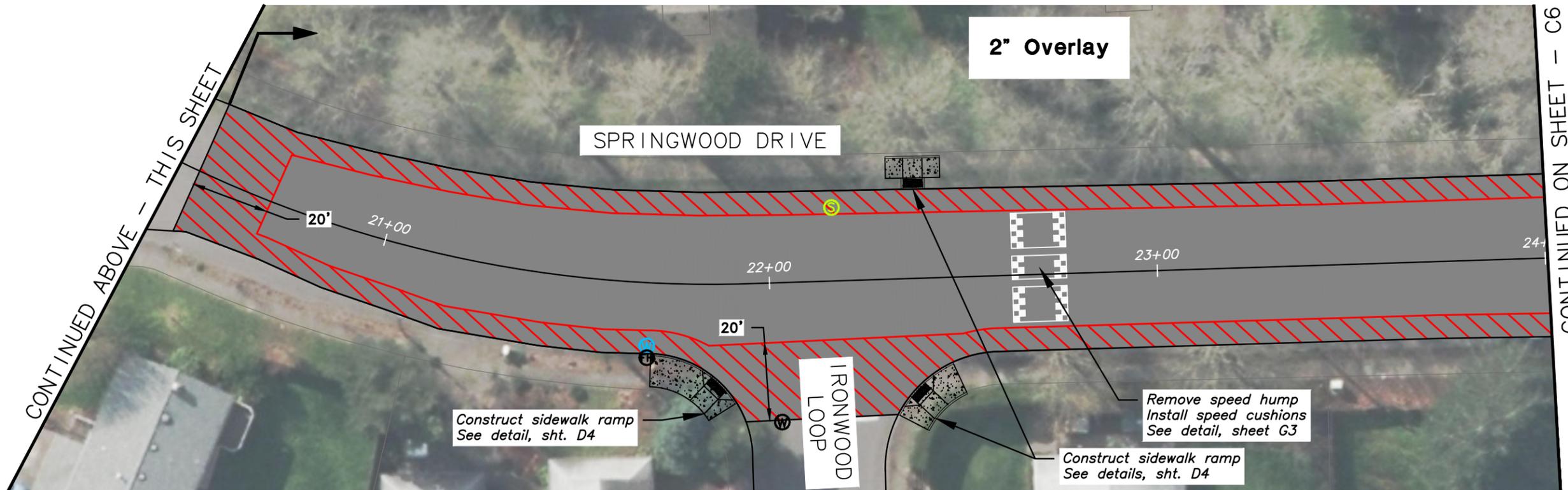
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

**Paving Layout - Springwood Drive**

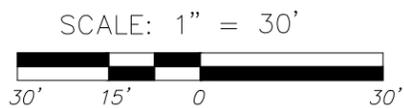
SHEET  
C4  
25  
OF  
56

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:56:35 PM from the 26\_C5 layout tab  
File Name: Path: G:\PDX\_PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-SPRINGWOOD.DWG



REGISTERED PROFESSIONAL ENGINEER  
 70713  
 OREGON  
 JULY 11, 2006  
 GABRIEL E. CROP  
 RENEWS 12-31-15

Revisions and Addendums			
Description	Date	No.	By



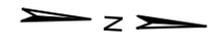
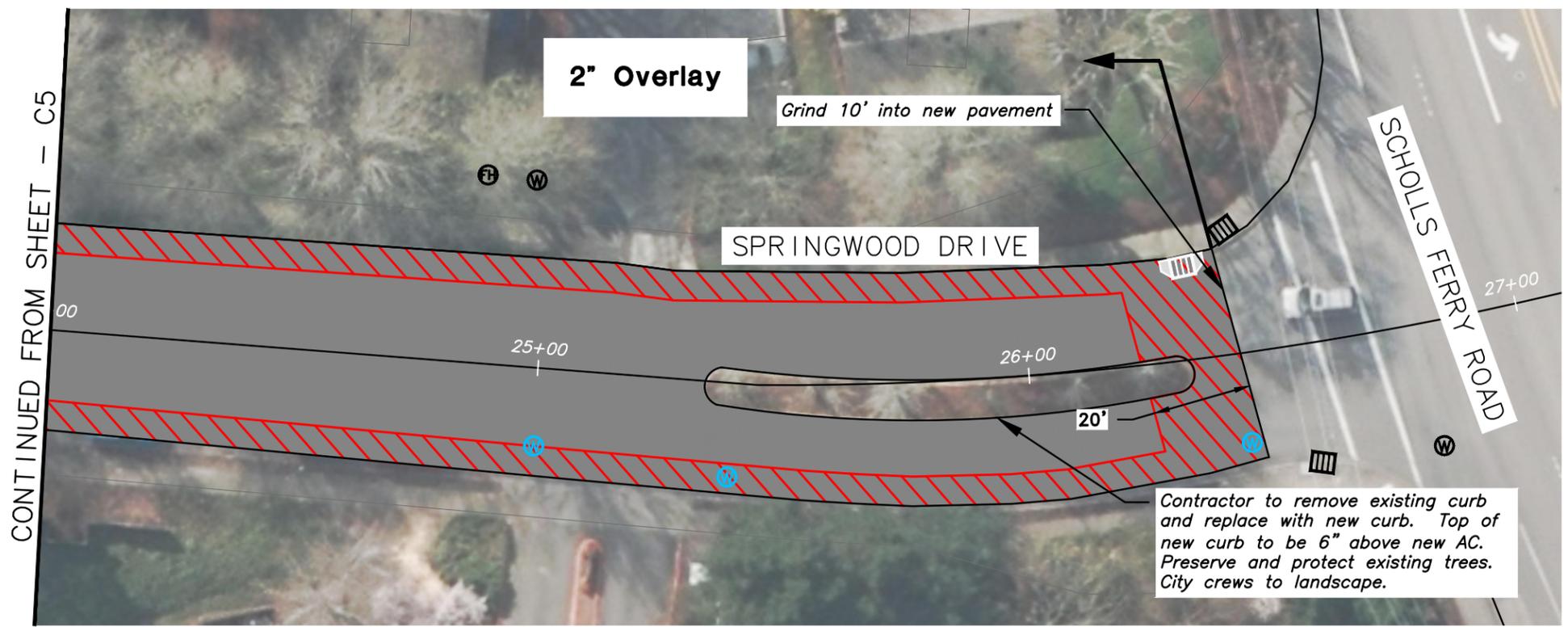
ENGINEERING DIVISION  
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 TIGARD, OREGON 97223  
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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**  
**Pavement Rehabilitation**  
**Paving Layout - Springwood Drive**

SHEET  
 C5  
 26  
 OF  
 56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:56:48 PM from the 27\_C6 layout tab  
File Name: Path: G:\PDX\_PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-SPRINGWOOD.DWG



Revisions and Addendums			
Description	Date	No.	By

SCALE: 1" = 30'

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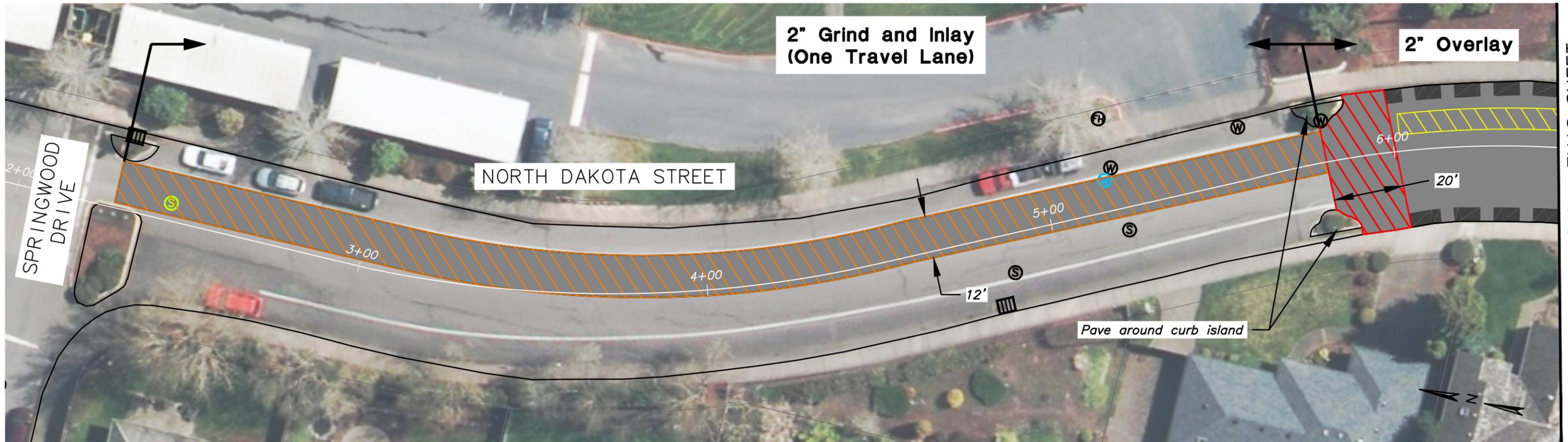
DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

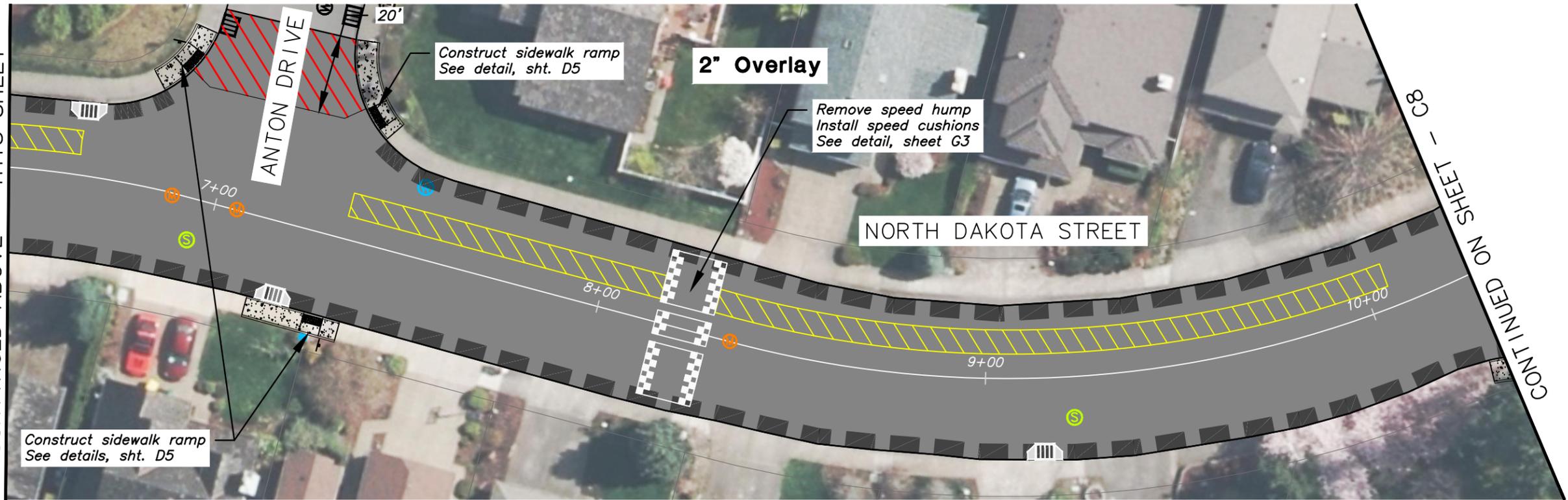
**Pavement Rehabilitation**

**Paving Layout - Springwood Drive**

SHEET  
C6  
27  
OF  
56

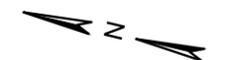


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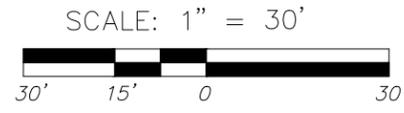


CONTINUED ABOVE - THIS SHEET

CONTINUED ON SHEET 88 - 88



Revisions and Addendums			
Description	Date	No.	By



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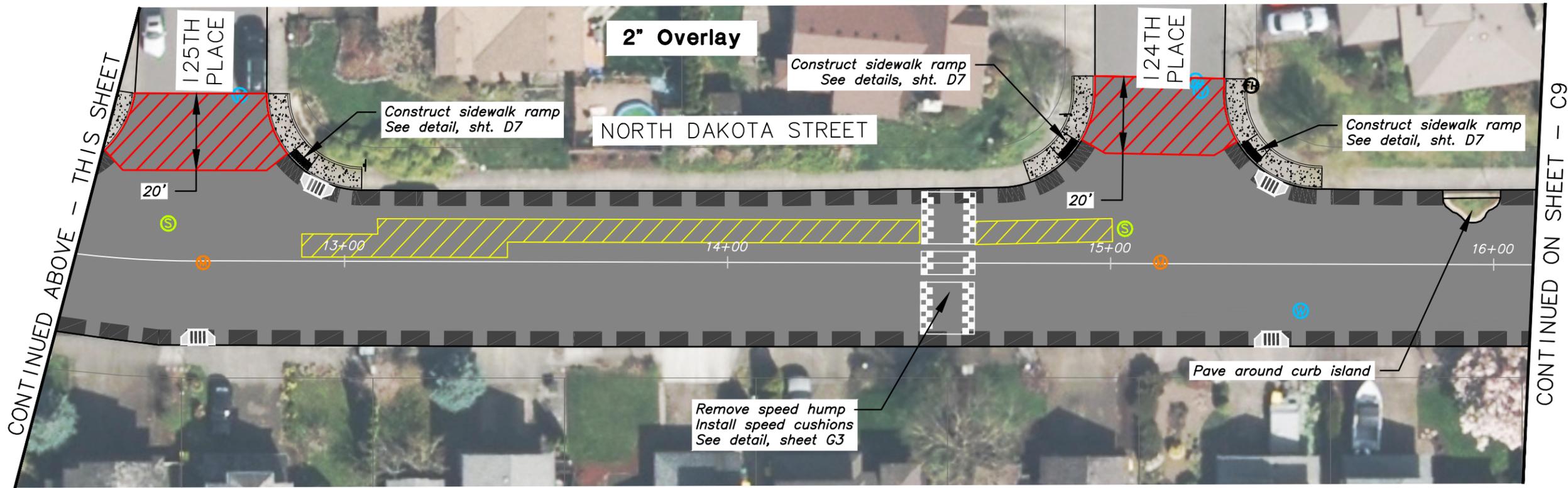
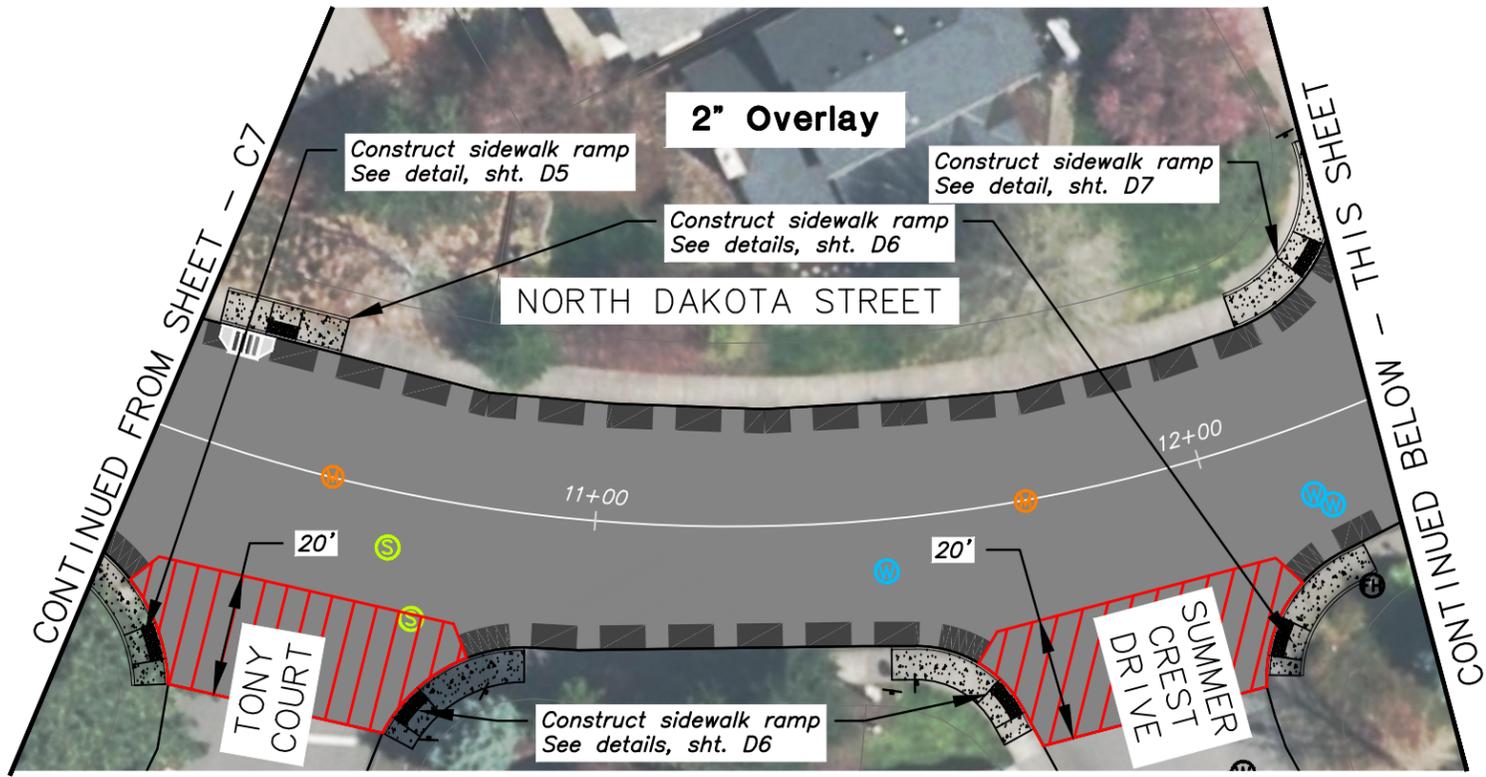
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation  
Paving Layout - North Dakota Street**

SHEET  
C7  
28  
OF  
56

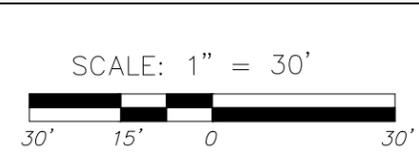
DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

Plotted by: SINGLAIR\_BJRR on Tuesday, April 07, 2015 at 12:52:16 PM from the 28\_C7 layout tab  
File Name: Path: G:\POX\_PROJECTS\141623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-NORTH\_DAKOTA.DWG



Plotted by: SINGLAIR\_BJRR on Tuesday, April 07, 2015 at 12:57:36 PM from the 29\_C8 layout tab  
File Name: Path: G:\POD\_PROJECTS\14\_1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-NORTH\_DAKOTA.DWG

Revisions and Addendums			
Description	Date	No.	By



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**TIGARD**

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

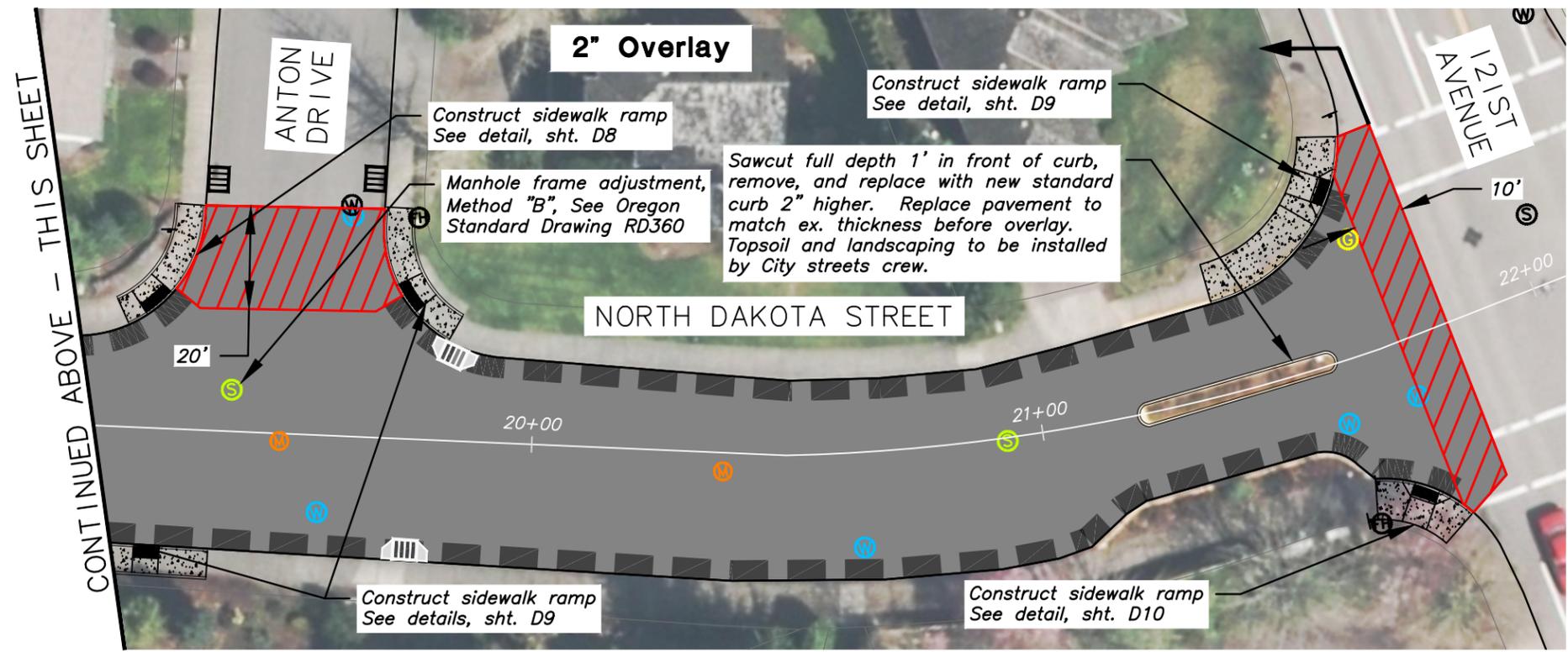
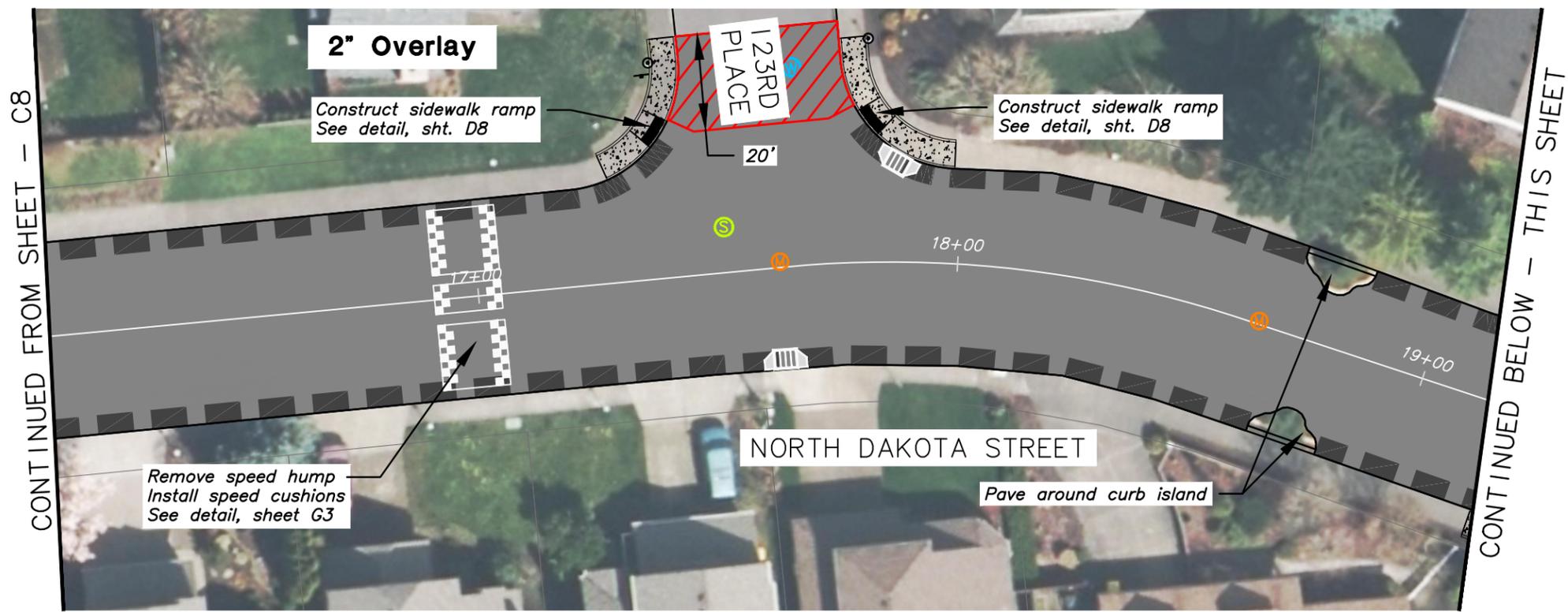
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

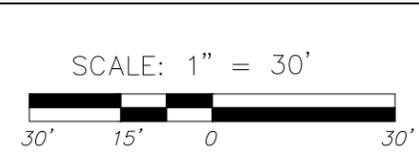
**Paving Layout - North Dakota Street**

SHEET  
C8  
29  
OF  
56

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:57:58 PM from the 30 C9 layout tab  
 File Name: Path: G:\POX\_PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-NORTH\_DAKOTA.DWG



Revisions and Addendums				
Description	Date	No.	By	



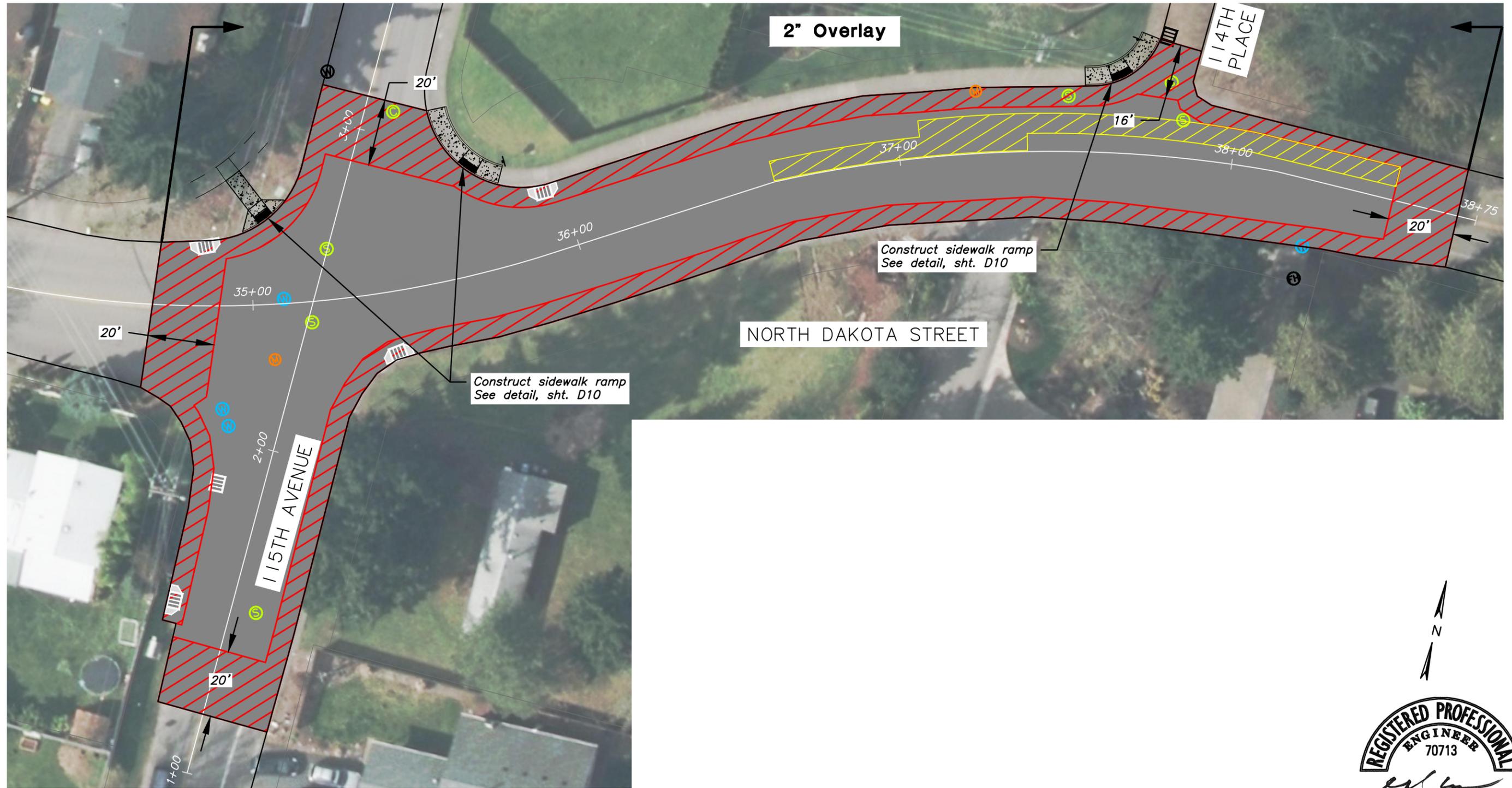
**ENGINEERING DIVISION**  
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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**  
**Pavement Rehabilitation**  
**Paving Layout - North Dakota Street**

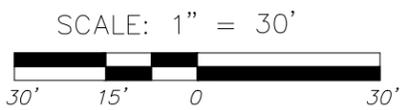
**SHEET**  
 C9  
**30**  
**OF**  
 56

**DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL**

Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:58:11 PM from the 31 C10 layout tab  
File Name: Path: G:\PD\PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-NORTH\_DAKOTA.DWG



Revisions and Addendums			
Description	Date	No.	By



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PUBLIC WORKS DEPARTMENT

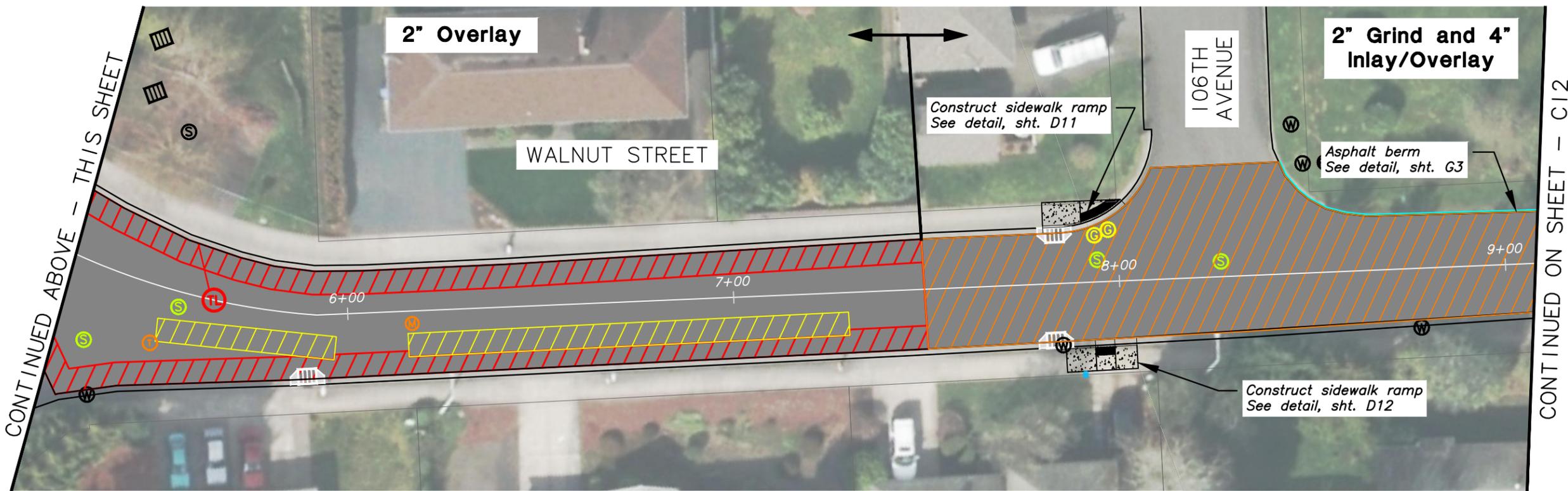
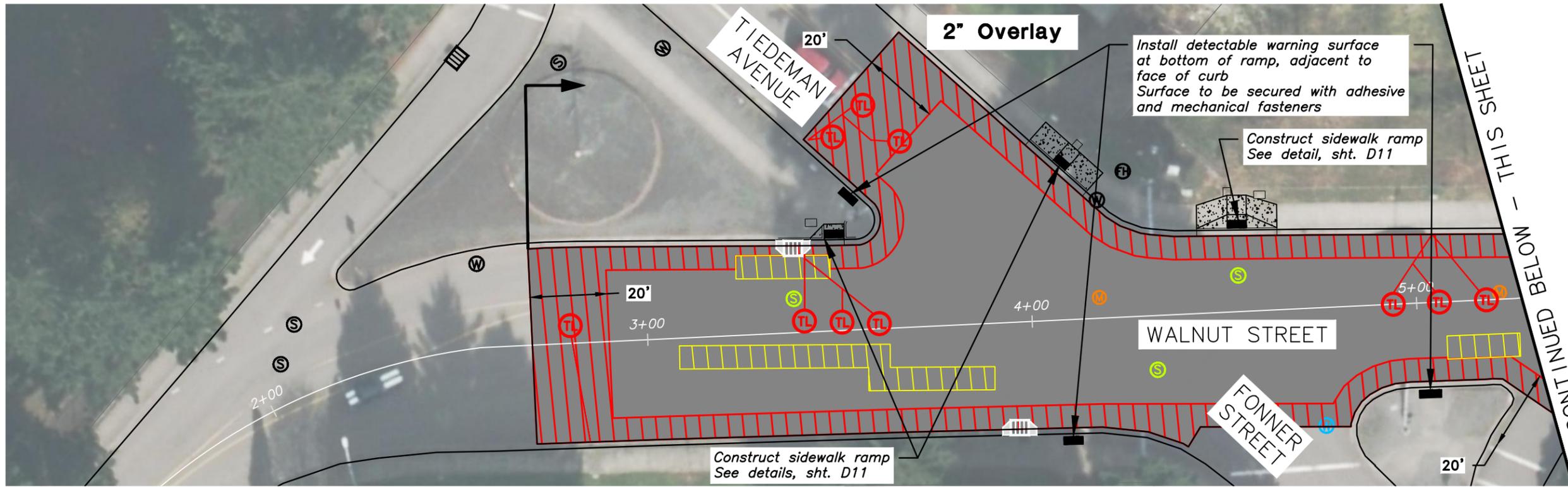
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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**  
**Paving Layout - North Dakota Street**

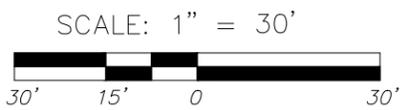
SHEET  
C10  
31  
OF  
56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL



Plotted by: SINGLAI BURR on Tuesday, April 07, 2015 at 12:58:46 PM from the 32 C11 layout tab  
File Name: Path: G:\POX\_PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-WALNUT.DWG

Revisions and Addendums			
Description	Date	No.	By



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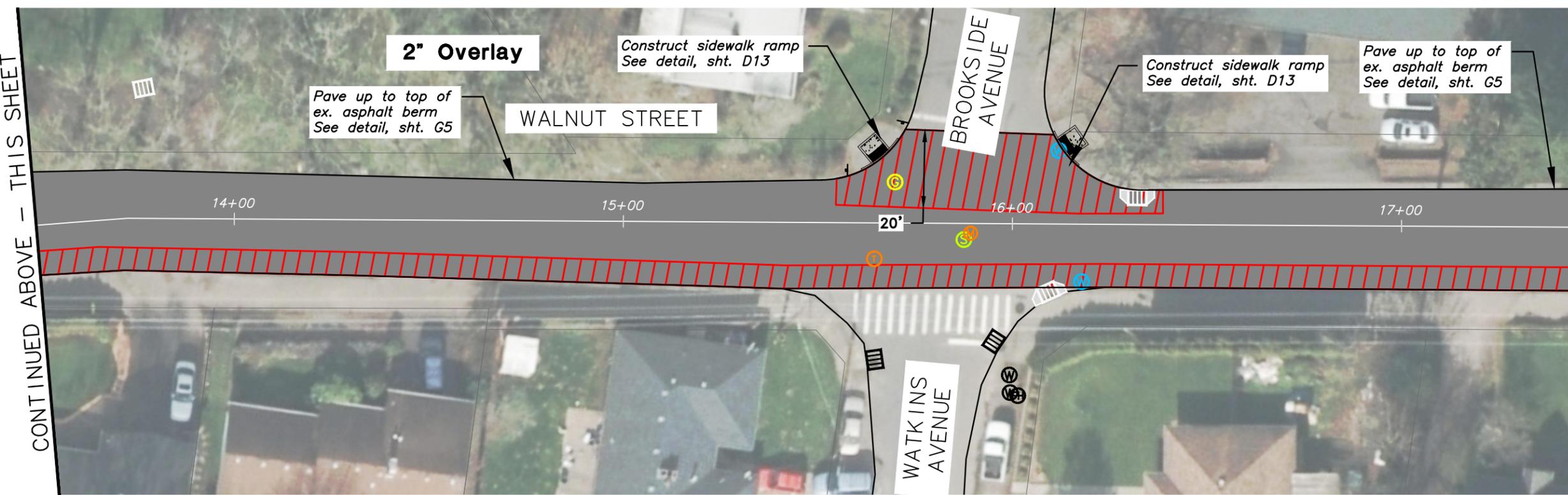
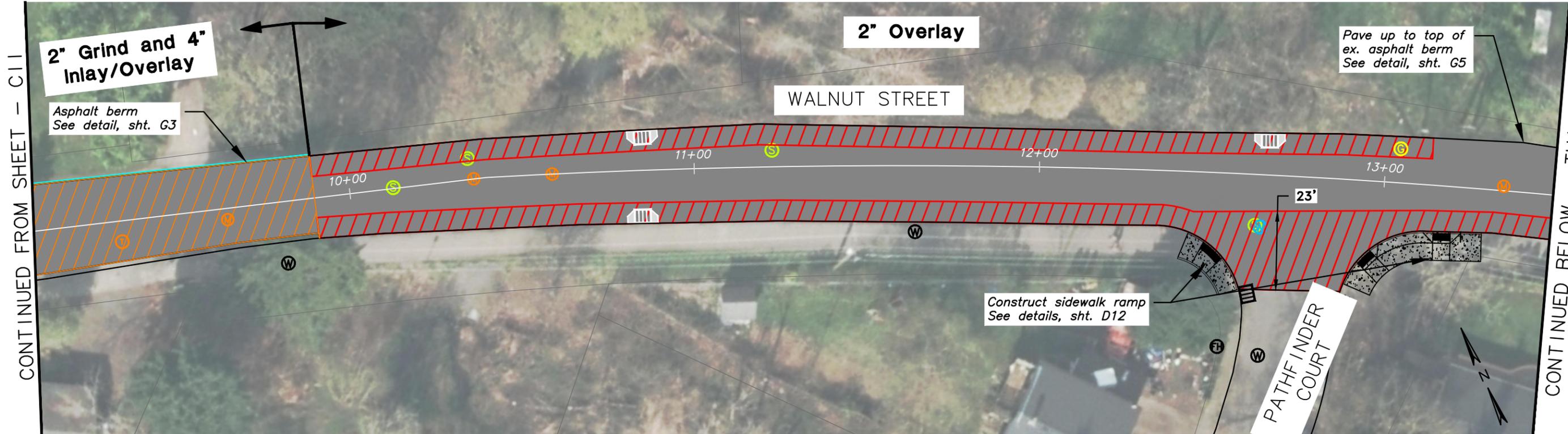
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**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation  
Paving Layout - Walnut Street**

SHEET	C11
OF	32
	56

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL



CONTINUED ON SHEET - C13



Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 12:59:11 PM from the 33 C12 layout tab  
File Name: Path: G:\PDX\_PROJECTS\14\1623 - PAVEMENT MANAGEMENT CITY OF TIGARD\CAD\SHEETS\14-1623-OR-WALNUT.DWG

Revisions and Addendums			
Description	Date	No.	By

SCALE: 1" = 30'

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

TIGARD

ENGINEERING DIVISION  
PUBLIC WORKS DEPARTMENT

13125 S.W. HALL BLVD.  
TIGARD, OREGON 97223  
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Murray, Smith & Associates, Inc.  
Engineers/Planners  
Portland, Oregon

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

**Paving Layout - Walnut Street**

SHEET  
C12  
33  
OF  
56

CONTINUED FROM SHEET - C12

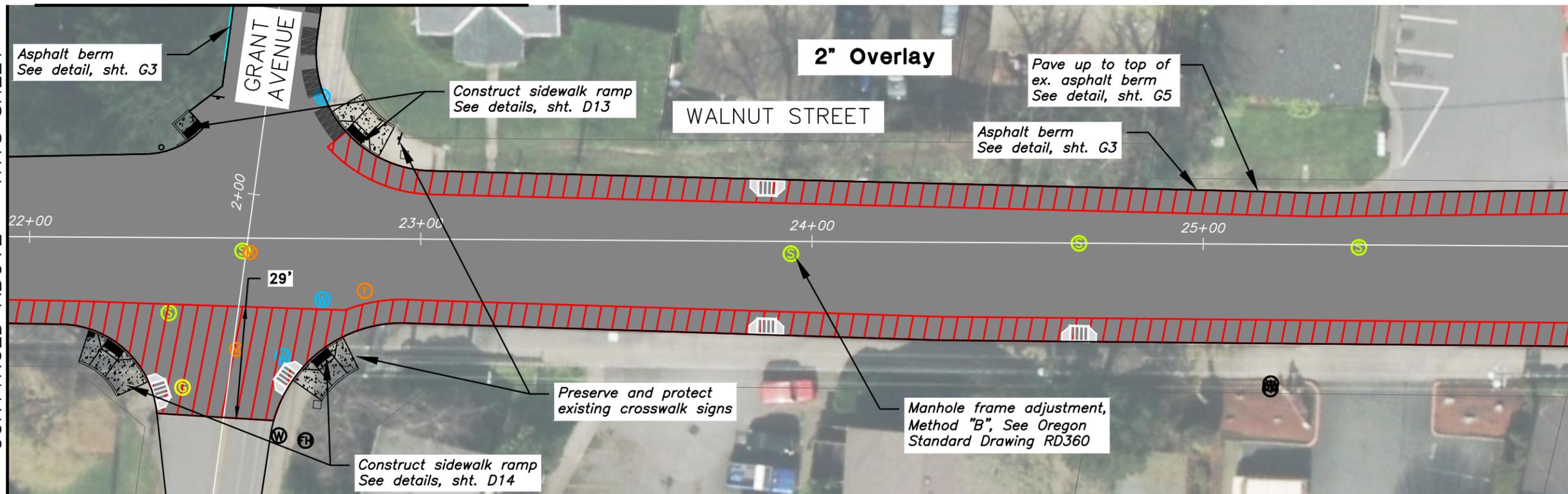
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CONTINUED ON SHEET - C15

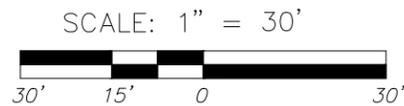
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CONTINUED ON SHEET - C14



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Revisions and Addendums			
Description	Date	No.	By



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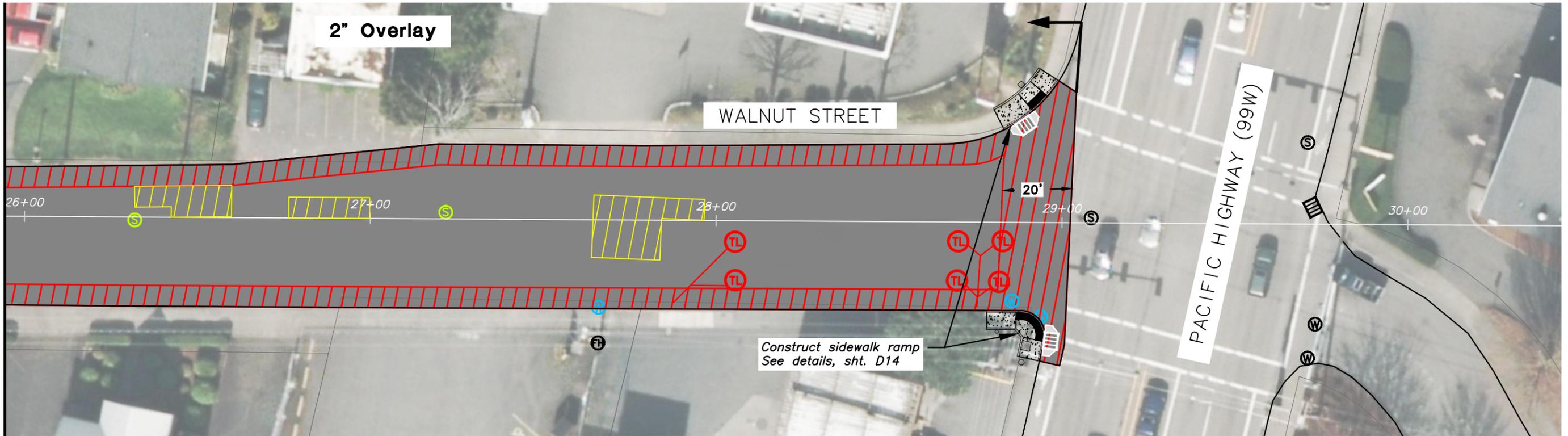
# FY 2015-16 PAVEMENT MANAGEMENT PROGRAM

## Pavement Rehabilitation

### Paving Layout - Walnut Street

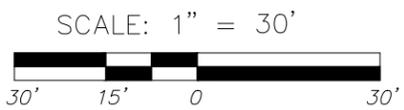
SHEET  
C13  
34  
OF  
56

CONTINUED FROM SHEET - C13



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Revisions and Addendums			
Description	Date	No.	By



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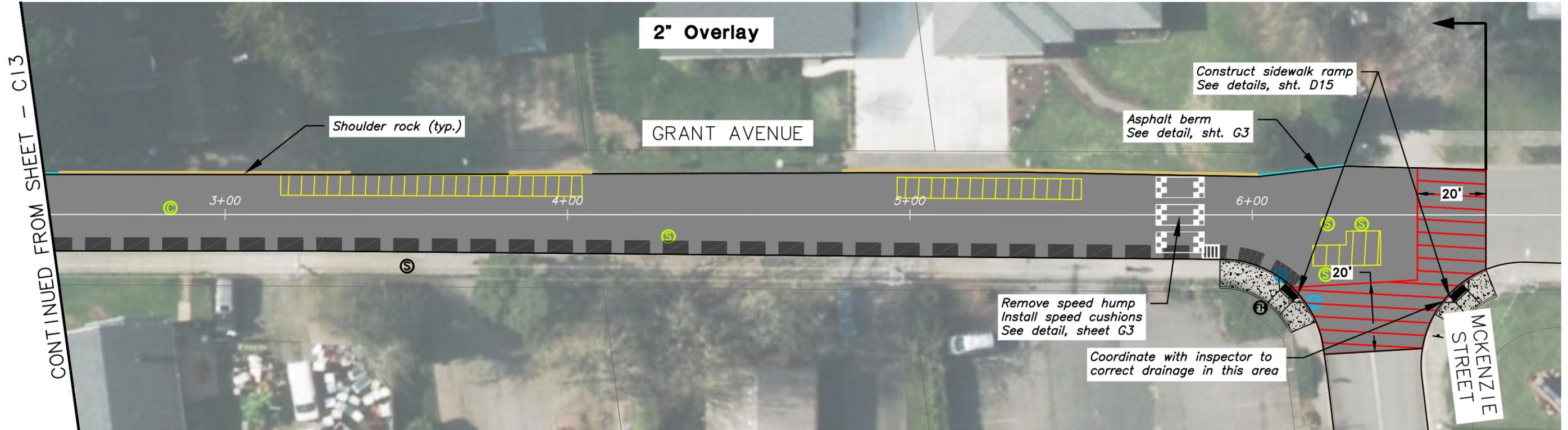
13125 S.W. HALL BLVD.  
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DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation  
Paving Layout - Walnut Street**

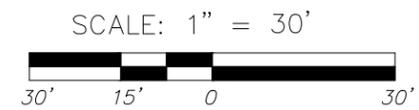
SHEET  
C14  
35  
OF  
56



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Revisions and Addendums			
Description	Date	No.	By



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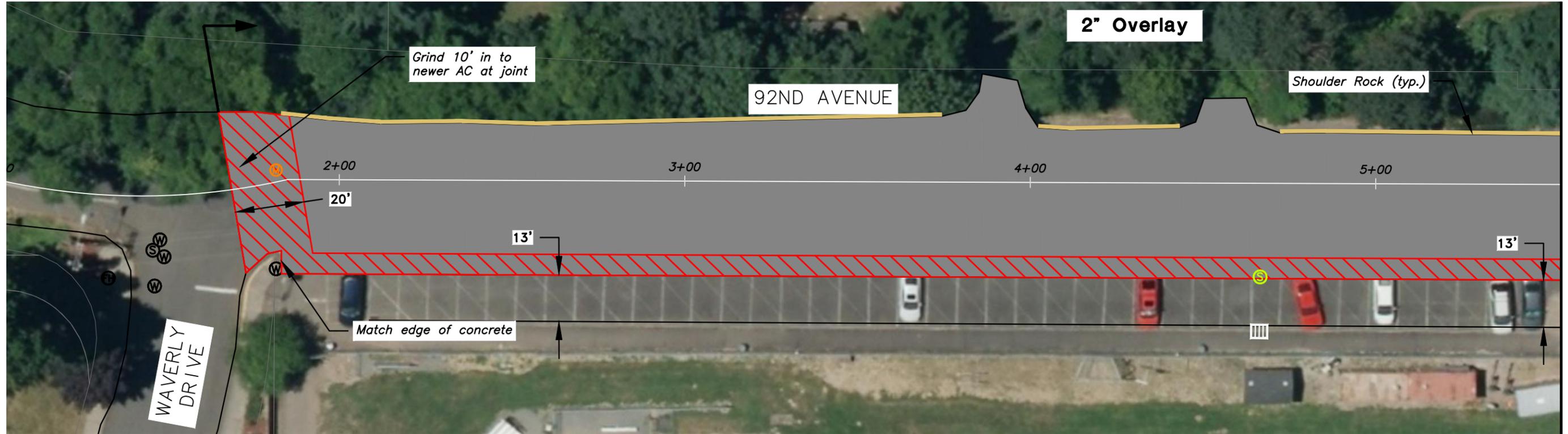
**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation**

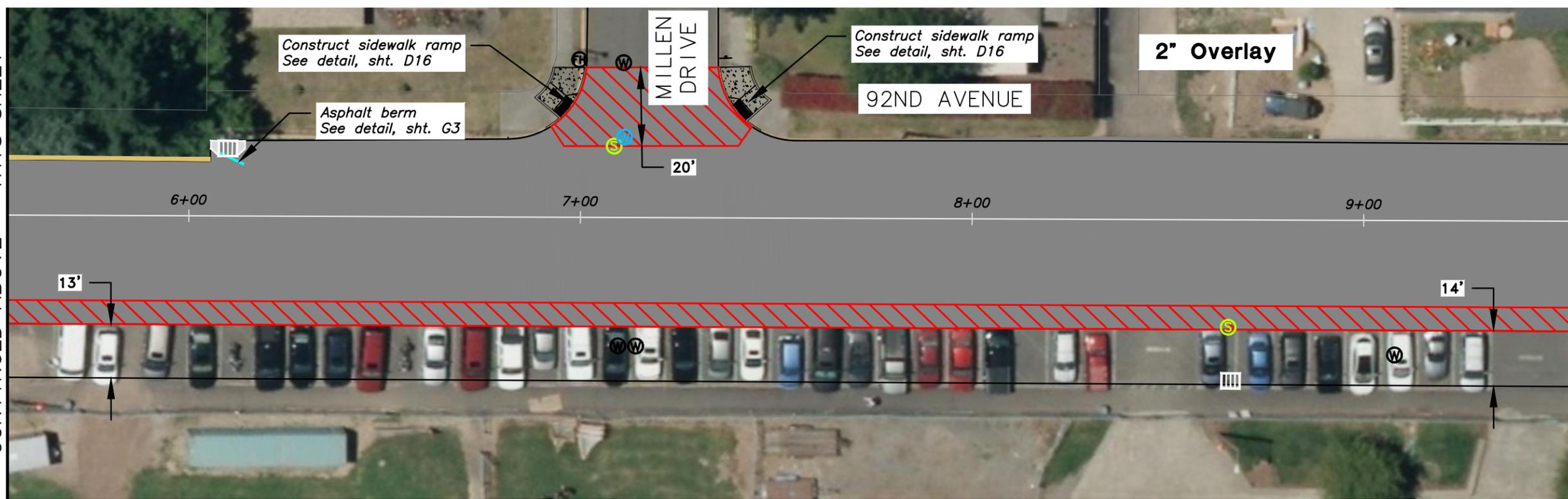
**Paving Layout - Grant Avenue**

<b>SHEET</b>	C15
<b>OF</b>	36
	56

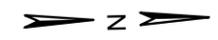
DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL



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Plotted by: SINGLAIR\_BURR on Tuesday, April 07, 2015 at 1:00:30 PM from the 37 C16 layout tab  
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Revisions and Addendums			
Description	Date	No.	By

SCALE: 1" = 30'

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Engineers/Planners  
Portland, Oregon

DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

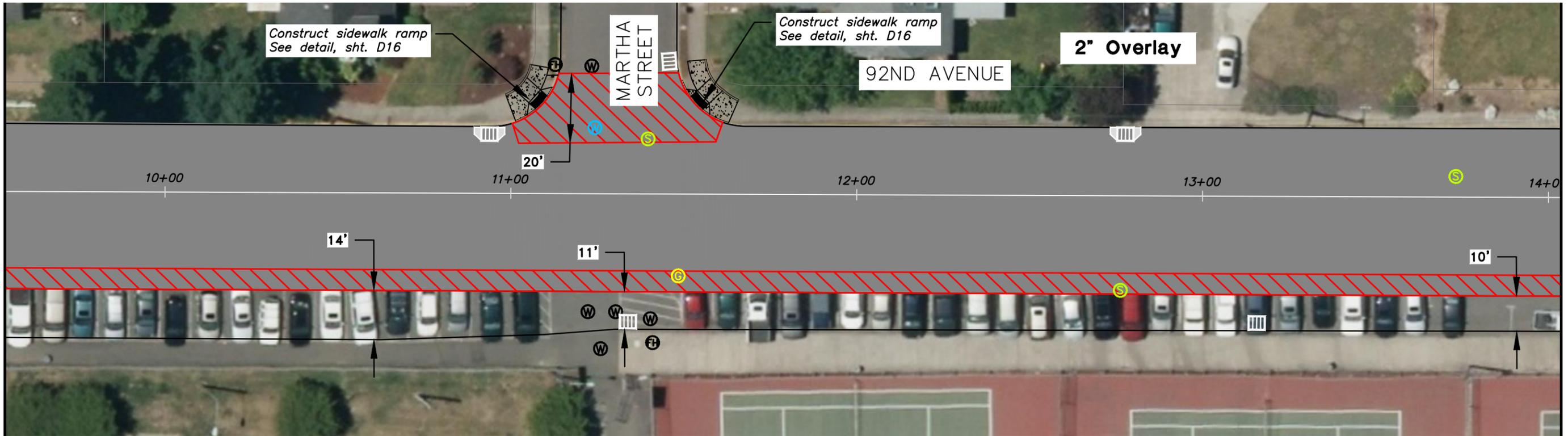
**Pavement Rehabilitation**

**Paving Layout - 92nd Avenue**

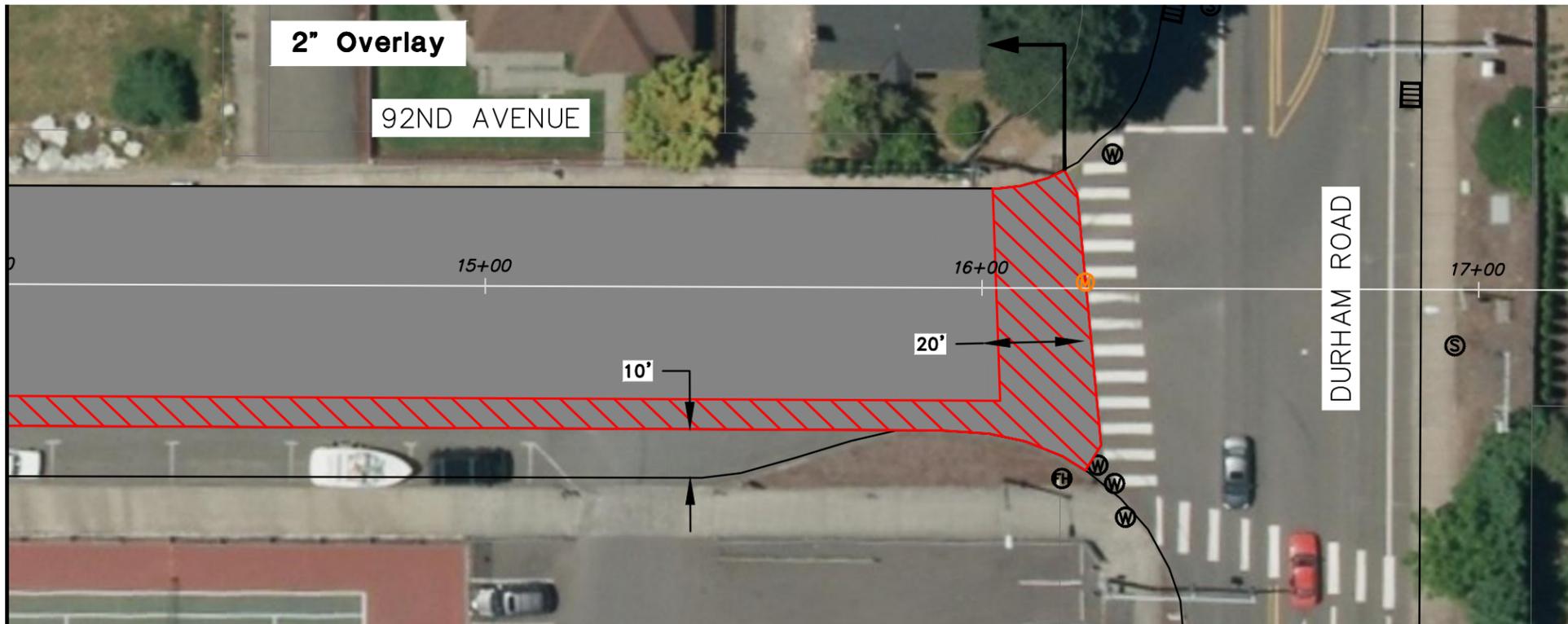
SHEET	C16
OF	56

CONTINUED FROM SHEET - C16

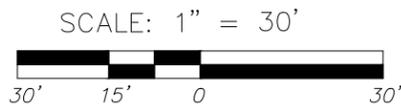
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DESIGN: SBB DRAWN: SBB CHECK: GEC PROJECT NO: 2015-95001 OL

**FY 2015-16 PAVEMENT MANAGEMENT PROGRAM**

**Pavement Rehabilitation  
Paving Layout - 92nd Avenue**

SHEET  
C17  
38  
OF  
56

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