

CITY OF SHERWOOD

SUNSET BOULEVARD AND APRIL COURT PAVEMENT REHABILITATION

APRIL 2015

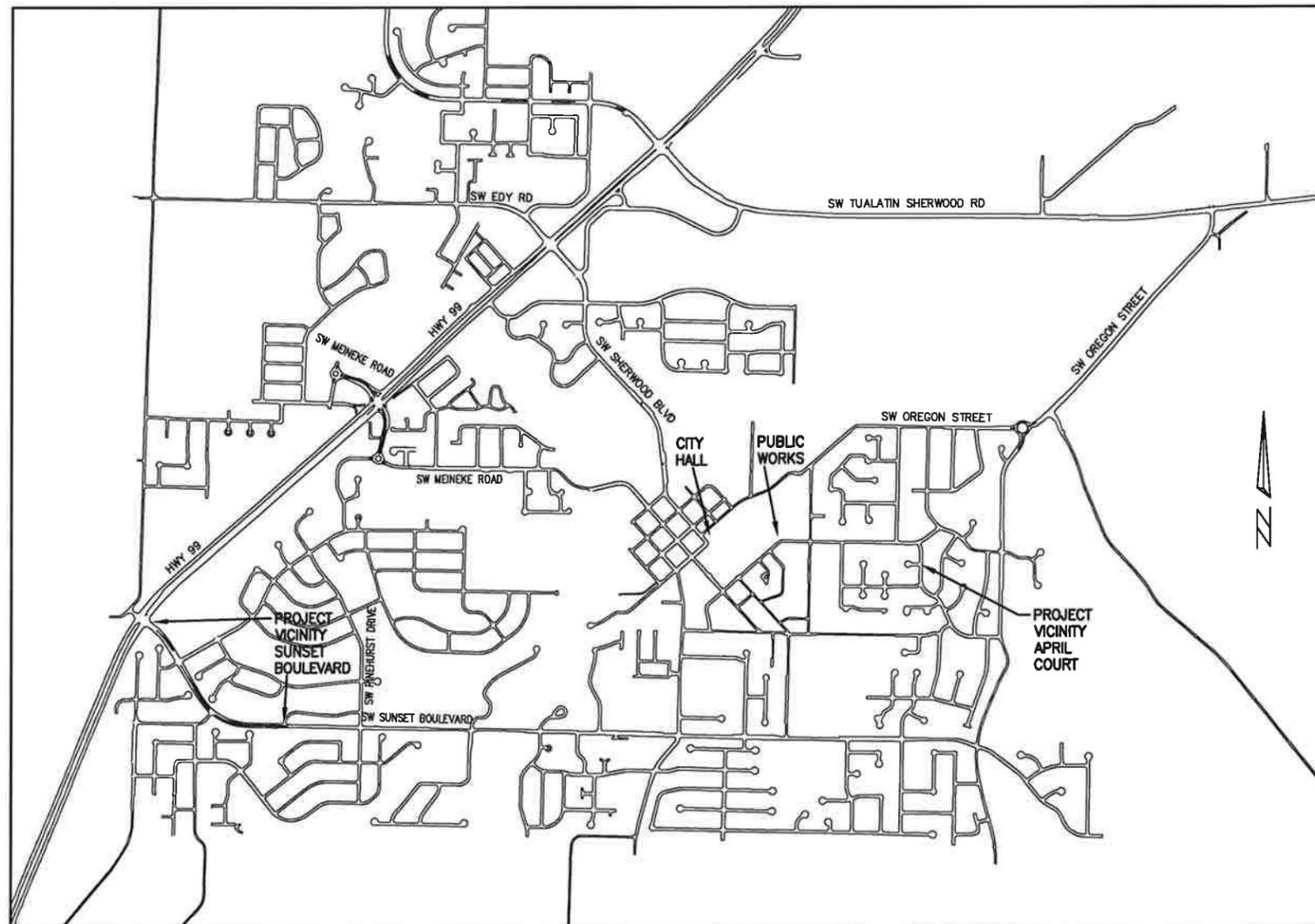
(BID DOCUMENT VOLUME 2 OF 2 - CONTRACT DRAWINGS)

PROJECT LOCATION:
 SW SUNSET BOULEVARD BETWEEN
 HIGHWAY 99 AND SW HEATERWOOD LANE
 AND SW APRIL COURT WEST OF SW UPPER ROY STREET

DEVELOPER/OWNER:
 CITY OF SHERWOOD
 22580 SW PINE ST
 SHERWOOD, OREGON 97140
 CONTACT: LYNN JOHNSON
 PH. 503-925-2311
 JOHNSONL@SHERWOODOREGON.GOV

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THIS DESIGN COMPLIES WITH ORS 92.044 (7) IN THAT NO UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN ONE (1) FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON A SUBDIVISION OR PARTITION PLAT. NO DESIGN EXCEPTIONS NOR FINAL FIELD LOCATION CHANGES SHALL BE PERMITTED IF THAT CHANGE WOULD CAUSE ANY UTILITY INFRASTRUCTURE TO BE PLACED WITHIN THE PROHIBITED AREA.



ATTENTION EXCAVATORS: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-011-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING (503) 232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BEFORE COMMENCING ANY EXCAVATION. CALL (503) 246-6699.

VICINITY MAP
 NOT TO SCALE

INSPECTOR INFORMATION:

CITY OF SHERWOOD: LYNN JOHNSON (503) 925-2311
 CONTACT INSPECTOR 48 HOURS PRIOR TO CONSTRUCTION.

SURVEY INFORMATION:

HORIZONTAL:
 AERIAL TOPOGRAPHIC MAP (2004) AND VISUAL OBSERVATION.

VERTICAL:
 AERIAL TOPOGRAPHIC MAP (2004) WITH ADDITIONAL LEVEL INFORMATION PERFORMED AT CRITICAL LOCATIONS.

COVER SHEET

SUNSET BOULEVARD AND APRIL COURT PAVEMENT REHABILITATION

LOCATED IN SECTIONS 31C AND 32AD, T2S R1W, W4M IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

CITY OF SHERWOOD
 ENGINEERING DEPARTMENT
 22580 SW PINE STREET
 SHERWOOD, OREGON 97140
 PHONE: (503) 925-2309
 FAX: (503) 625-0629
 E-MAIL: engineering@sherwoodoregon.gov



DESIGNED BY:	CCC
DRAWN BY:	ACS
CHECKED BY:	LJVS
FULL SIZE SCALE:	AS NOTED
DATE:	APRIL 7, 2015
SUNSET_SHEETS.DWG	

NO.	DESCRIPTION

JOB NO. _____
 SHEET NO. **1** OF **19**

GENERAL NOTES

1. ALL CONSTRUCTION WORK, MATERIALS AND TESTING SHALL CONFORM TO THE APPLICABLE SECTION OF THE CITY OF SHERWOOD ENGINEERING DESIGN AND STANDARD DETAILS MANUAL. CONTRACTOR AND SUBCONTRACTOR(S) SHALL HAVE A MINIMUM OF ONE SET OF APPROVED PLANS AND CITY OF SHERWOOD CONSTRUCTION SPECIFICATIONS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROCURE ALL APPLICABLE PERMITS, LICENSES, AND CERTIFICATES RELATIVE TO THE TRADES TO COMPLETE THE PROJECT AND FOR THE USE OF SUCH WORK WHEN COMPLETED. COMPLIANCE SHALL BE AT ALL LEVELS, FEDERAL, STATE, COUNTY, AND LOCAL, RELATING TO THE PERFORMANCE OF THIS WORK. A CITY OF SHERWOOD OR A METRO BUSINESS LICENSE IS REQUIRED FOR THE CONTRACTOR AND ALL SUBCONTRACTORS.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION AND ARRANGE FOR PROTECTION OF UTILITIES IN CONFLICT WITH PROPOSED WORK. THE LOCATIONS, DEPTH AND DESCRIPTION OF EXISTING UTILITIES SHOWN WERE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA. POTHOLING PRIOR TO CONSTRUCTION MAY BE NECESSARY. ALL WORK TO VERIFY UTILITY LOCATIONS AND DEPTHS IS INCIDENTAL.
4. OREGON LAW REQUIRES THE CONTRACTOR 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. THE CONTRACTOR MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING (503) 232-1987 OR BY ACCESSING THE INTERNET AT WWW.STATE.OR.US/GOVERNMENT.HTM. THE CONTRACTOR MUST NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL (503) 246-6699.
5. THE CONTRACTOR SHALL MAKE PROVISIONS TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED UTILITIES USING MATERIAL AND METHODS APPROVED BY THE UTILITY OWNER. NO SERVICE INTERRUPTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN AGREEMENT WITH THE UTILITY PROVIDER AND NOTIFICATION TO SERVICE CUSTOMER. PLEASE NOTE THE STORM SEWER IN THIS AREA IS SHALLOW - DO NOT DAMAGE. REPAIR TO UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL PRUNE ALL VEGETATION, AS NECESSARY FOR EQUIPMENT CLEARANCES AWAY AND UP FROM THE STREET AND SIDEWALK. AS WELL AS ANY ROOT PRUNING AS DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING THAT IS TO REMAIN. DAMAGE TO TREES AND SHRUBS IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR. COST OF TREE PRUNING IS INCIDENTAL.
7. CONTRACTOR SHALL NOTIFY THE CITY OF SHERWOOD 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS, EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAYS, SUNDAYS, OR HOLIDAYS.
8. CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, EXCESS TOPSOIL, AND OTHER EXCESS MATERIAL OFF SITE. MATERIALS SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET ALL APPLICABLE REGULATIONS. DISPOSAL LOCATION INFORMATION TO BE PROVIDED TO CITY PRIOR TO BEGINNING ANY WORK.
9. CONSTRUCTION VEHICLES SHALL PARK AT A LOCATION APPROVED BY THE INSPECTOR OR AT A LOCATION(S) INDICATED ON AN APPROVED PLAN. HOURS OF CONSTRUCTION SHALL BE AS SPECIFIED IN THE PLANS - UNLESS OTHERWISE APPROVED BY THE INSPECTOR. CONSTRUCTION IS PROHIBITED ON SATURDAY AND SUNDAY UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE PUBLIC WORKS DIRECTOR AND CITY MANAGER. CONSTRUCTION ACTIVITIES INCLUDE ALL FIELD MAINTENANCE OF EQUIPMENT, REFUELING, AND PICK UP AND DELIVERY OF EQUIPMENT AS WELL AS THE ACTUAL CONSTRUCTION ACTIVITY.
10. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL CLEAN UP THE PROJECT AREA AND LEAVE IT IN A NEAT AND SECURED MANNER. UPON COMPLETION, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL.
11. THE CONTRACTOR SHALL KEEP AN APPROVED SET OF PLANS ON THE PROJECT SITE AT ALL TIMES WITH ALL KNOWN CHANGES REDLINED ON THE WORKING PLAN SET FOR THE SOLE PURPOSE OF RECORDING AS BUILT INFORMATION OF IMPROVEMENTS AND LOCATION AND DEPTH OF ANY EXISTING UTILITIES ENCOUNTERED.
12. ANY ALTERATIONS OR VARIATIONS FROM THESE PLANS EXCEPT MINOR FIELD ADJUSTMENTS NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL BE APPROVED BY THE ENGINEER AND APPLICABLE REGULATORY AGENCY REPRESENTATIVE. CONTRACTOR SHALL KEEP RECORD OF ALL CHANGES AND NOTE ON AS BUILT PLANS. CONTRACTOR SHALL SUBMIT ACCURATE AND COMPLETE "AS-BUILT" INFORMATION TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
13. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET THE INTENT OF THE PROJECT CONTRACT DOCUMENTS, APPLICABLE AGENCY REQUIREMENTS AND OTHER WORK AS NECESSARY TO PROVIDE A COMPLETE PROJECT.
14. CONTRACTOR SHALL PROVIDE EFFECTIVE EROSION PROTECTION TO INCLUDE, BUT NOT BE LIMITED TO, GRADING, DITCHING, STRAW WATTLES, TRIANGULAR SILT DAMS, SILT FENCING, AND SEDIMENT BARRIERS TO MINIMIZE EROSION AND IMPACT TO ADJACENT PROPERTY. SEE EROSION AND SEDIMENT CONTROL NOTES AND PLANS.
15. THE CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS TO ALL AFFECTED PROPERTIES. THE CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS A MINIMUM OF 48 HOURS PRIOR TO ANY DRIVEWAY CLOSURES AND ASSIST PROPERTY OWNER WITH ALTERNATIVE PARKING AND ACCESS. PEDESTRIAN ACCESS TO ENTRANCES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL PROVIDE RAMPS OR OTHER APPROVED METHODS FOR MAINTAINING ACCESS TO ENTRANCES. RAMPS SHALL BE ADA COMPLIANT, APPROVED BY THE ENGINEER, AND INCIDENTAL TO THE CONTRACT. RESIDENTIAL DRIVEWAYS MAY ONLY BE CLOSED FOR A MAXIMUM OF ONE DAY (7:00 AM TO 6:00 PM).
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY ALL DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE PLANS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE PROJECT ENGINEER FOR CLARIFICATION OR CORRECTION.
17. ANY INSPECTION BY THE CITY, COUNTY, STATE, FEDERAL AGENCY OR PROJECT ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, CITY STANDARDS AND PROJECT CONTRACT DOCUMENTS.
18. CONTRACTOR TO VERIFY CENTERLINE AND GUTTER SLOPES PRIOR TO CONSTRUCTION TO ENSURE COMPLIANCE WITH THE CONSTRUCTION DRAWINGS AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
19. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN CONFORMING TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION AND ACCORDING TO PROJECT SPECIFICATIONS. TRAFFIC CONTROL PLAN SHALL MATCH APPROVED PHASING/SEQUENCING PLAN AND SHALL BE SUBJECT TO THE APPROVAL BY THE CITY, WASHINGTON COUNTY AND/OR ODOT AS APPLICABLE.
20. THE CONTRACTOR SHALL PROVIDE TO THE CITY PROJECT MANAGER AND INSPECTOR A 24 HOUR CONTACT PERSON AND CELL PHONE NUMBER.
21. NO TRENCHES OR PITS WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL TRENCHES AND PITS SHALL BE COVERED WITH STEEL PLATES OR FILLED IN AT NIGHT.
22. PROPERTY LINES SHOWN ON ALL PLAN SHEETS ARE FOR GENERAL DELINEATION ONLY AND ARE, BY NO MEANS, MEANT TO REPRESENT THE ACTUAL BOUNDARIES.

23. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL CONSTRUCTION SAFETY, HEALTH AND OTHER RULES AND REGULATIONS FROM OSHA, DEQ, STATE, AND LOCAL REGULATING AGENCIES FOR SAFETY AND INSTALLATION OF THE WORK INCLUDING BUT NOT LIMITED TO SHORING, BRACING, ERECTION/INSTALLATION, FALL PROTECTION, GUARDRAILS, ETC.
24. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE EXISTING AGGREGATE BASE AS NECESSARY TO CEMENT TREAT BASE AND ACHIEVE SURFACE BASE LEVEL FOR PLACEMENT OF NEW HMAC WHILE MEETING THE CURB AND DRIVEWAY EXPOSURE REQUIREMENTS IN THE PLANS.
25. WHEN MATCHING EXISTING PAVEMENT, SAWCUT TO FIRM PAVEMENT. MINIMUM SAWCUT IS 1' FROM EXISTING EDGE OF PAVEMENT OR AS SHOWN ON PLANS. SAWCUT LOCATION TO BE APPROVED BY INSPECTOR.
26. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING STRUCTURES AND UTILITIES NOT SHOWN TO BE REMOVED. CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING STRUCTURES (SIDEWALKS, DRIVEWAYS, CURB, FENCE, STREET TREES, ETC.) DAMAGED DURING CONSTRUCTION, IN ACCORDANCE WITH CITY STANDARDS.
27. ALL LINework SHOWN ON THE PLAN IS FROM A 2004 AERIAL MAP AND FROM VISUAL OBSERVATION AND IS THEREFORE NOT GUARANTEED FOR ACCURACY AND SHOULD NOT BE USED FOR OTHER PURPOSES.

EROSION CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
2. THE IMPLEMENTATION OF THESE ESC PLANS AND CONSTRUCTION MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE LOCAL JURISDICTION, AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE.
5. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
6. AT NO TIME SHALL SEDIMENT BE ALLOWED TO ACCUMULATE MORE THAN 1/3 THE BARRIER HEIGHT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED AFTER PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
7. STORM DRAIN INLETS, BASINS, AND AREA DRAINS SHALL BE PROTECTED UNTIL PAVEMENT SURFACES ARE COMPLETED AND/OR VEGETATION IS RE-ESTABLISHED.
8. IF THERE ARE EXPOSED SOILS OR SOILS NOT FULLY ESTABLISHED FROM OCTOBER 1ST THROUGH MAY 31ST, THE WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT. SEE THE EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (CHAPTER 4) OF CLEAN WATER SERVICES FOR REQUIREMENTS.
9. THE CONTRACTOR SHALL REMOVE ESC MEASURES WHEN VEGETATION IS FULLY ESTABLISHED.
10. ALL PUMPING OF SEDIMENT-LADEN WATER SHALL BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (FILTER BAG, DIRT BAG, ETC.)
11. SITE EROSION CONTROL PLAN AND BMP'S MEETING CWS STANDARDS TO BE IN PLACE AND APPROVED PRIOR TO CONSTRUCTION.
12. TRACKING OF MATERIALS OUTSIDE OF THE WORK ZONE, ONTO ADJACENT STREETS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND CLEAN TO THE SATISFACTION OF THE INSPECTOR. THIS INCLUDES BUT IS NOT LIMITED TO SOIL, AGGREGATE, ASPHALT DEBRIS, ETC.

STREET NOTES

1. IN AREAS WHERE CURB AND GUTTER EXISTS, NEW ASPHALT WILL MATCH FRONT EDGE OF CONCRETE GUTTER.
2. TACK COAT SHALL BE APPLIED AGAINST CONCRETE GUTTER EDGE, CURB FACE, CONCRETE STRUCTURES, EXISTING ASPHALT EDGE, MANHOLE FRAMES, BLOW-OFF FRAMES, CLEANOUT FRAMES AND OTHER SURFACES OR STRUCTURES THAT WILL BE PAVED AGAINST WITH NEW ASPHALT (INCIDENTAL) PRIOR TO PAVING.
3. CRACK SEAL REQUIRED AT ASPHALT GUTTER LINE (AT FACE OF CURB) AND AT ASPHALT JOINTS (INCIDENTAL).
4. PAVEMENT CROSS SLOPES SHALL BE AT LEAST 1.5%.
5. NEW ASPHALT SHALL MATCH EDGE OF CONCRETE CATCH BASINS. THERE WILL BE NO ADJUSTING OF CATCH BASIN GRATES ALLOWED.
6. NEW ASPHALT SHALL NOT COVER ANY WEEP HOLES (AT I.E. OR LOWER). CITY WILL PHOTO DOCUMENT PROJECT AREA INCLUDING EXISTING CURBS. COVERED WEEPHOLES SHALL BE CLEARED AT CONTRACTORS EXPENSE AND STREET REPAVED.
7. TYPICAL FULL CURB EXPOSURE IS 6" AT TOP FACE OF CURB UNLESS OTHERWISE NOTED.
8. TYPICAL DRIVEWAY CURB EXPOSURE IS 3/4" AT TOP FACE OF CURB.
9. ADJUST ALL EXISTING VALVES, BLOW-OFFS AND OTHER MISCELLANEOUS BOXES AS NECESSARY TO MATCH NEW ASPHALT SURFACE GRADE - TO BE PAID FOR UNDER THE BID ITEM OF "ADJUSTING BOXES".

10. ADJUST ALL MANHOLE FRAME AND COVERS AS NECESSARY TO MATCH NEW ASPHALT SURFACE GRADE - TO BE PAID FOR UNDER THE BID ITEM OF "MINOR ADJUSTMENT OF MANHOLES".
11. CONTRACTOR TO TEST ASPHALT SURFACE WITH 12-FOOT STRAIGHT EDGE IN TRAVEL LANES PARALLEL TO AND PERPENDICULAR TO THE CENTER LINE, AS DIRECTED BY THE INSPECTOR. THE ASPHALT SURFACE SHALL NOT VARY BY MORE THAN 1/4 INCH.
12. EQUIPMENT PARKED ON SITE SHALL BE PARKED AWAY FROM AN INTERSECTION AT A LOCATION APPROVED BY THE INSPECTOR.
13. WATER FOR CONSTRUCTION MAY BE OBTAINED FROM CITY FIRE HYDRANTS. INSTALL FIRE HYDRANT METER PRIOR TO DRAWING WATER. FIRE HYDRANT METER TO BE OBTAINED FROM CITY OF SHERWOOD WATER DEPARTMENT. COORDINATE WITH INSPECTOR. WATER FOR CONSTRUCTION IS INCIDENTAL.
14. REPAIR ALL DISTURBED NEIGHBORING PROPERTY BACK TO ORIGINAL OR BETTER CONDITION.
15. ANY SEGMENT OF ROAD CLOSED FOR CONSTRUCTION SHALL NOT HAVE MORE THAN 1 INCH DROP FROM THE ADJACENT ASPHALT. ANY DROPS MORE THAN 1 INCH SHALL HAVE A TEMPORARY AGGREGATE WEDGE INSTALLED COMPACTED TO 92% RELATIVE DENSITY OF AASHTO T-180 TEST METHOD (INCIDENTAL). THIS WILL ALLOW ACCESS FOR EMERGENCY VEHICLES. ONCE BASE LIFT OF HMAC HAS BEEN INSTALLED TEMPORARY COLD MIX ASPHALT WEDGES SHALL BE INSTALLED AT DROPS BETWEEN EXISTING ASPHALT AND BASE LIFT AND AT EACH DRIVEWAY (INCIDENTAL).
16. ANY EXISTING SURFACE TO REMAIN (CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, ETC.) THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AND THE CONTRACTOR'S EXPENSE.
17. TRAFFIC CONTROL SHALL INCLUDE ALL PAVEMENT MARKING REMOVAL, TEMPORARY PAVEMENT MARKING, BARRICADES, DELINEATORS, SIGNAGE, FLAGGERS, TEMPORARY PAVEMENT MARKINGS AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK. TO BE PAID FOR UNDER THE BID ITEM "TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE".
18. CONTRACTOR TO CLEAN UP JAGGED CONCRETE EDGES MEETING THE APPROVAL OF THE INSPECTOR. SOME SAWCUTTING MAY BE REQUIRED. COST IS INCIDENTAL.

STORM SEWER NOTES

1. STORM SEWER PIPE SHALL BE AS NOTED ON PLANS AND CONFORM TO THE REQUIREMENTS BELOW.
2. STORM SEWER MATERIALS AND TESTING SHALL MEET CLEAN WATER SERVICES (CWS) DESIGN AND CONSTRUCTION SPECIFICATIONS AND THE CITY OF SHERWOOD'S ENGINEERING DESIGN MANUAL.
3. DRAIN PIPE VIDEO INSPECTION WILL BE PERFORMED BY THE CITY. COORDINATE WITH CITY INSPECTOR PRIOR TO ASPHALT PAVING.

LEGEND

- = EXISTING CURB AND GUTTER
- = EXISTING/FINAL PAVEMENT MARKING
- ⊗_{WV} = EXISTING WATER VALVE
- W— = EXISTING WATER LINE
- ST— = EXISTING STORM LINE
- SAN— = EXISTING STORM LINE
- G— = EXISTING GAS LINE
- T— = EXISTING TELECOMMUNICATION LINE
- = EXISTING MANHOLE
- ≡ = EXISTING CATCH BASIN
- S/W = SIDEWALK

GENERAL NOTES

SUNSET BOULEVARD AND APRIL COURT PAVEMENT REHABILITATION

LOCATED IN SECTIONS 31C AND 32AD,
T2S, R1W, W.M. IN THE CITY OF
SHERWOOD, WASHINGTON COUNTY,
STATE OF OREGON

CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22560 SW PINE STREET
SHERWOOD, OREGON 97140

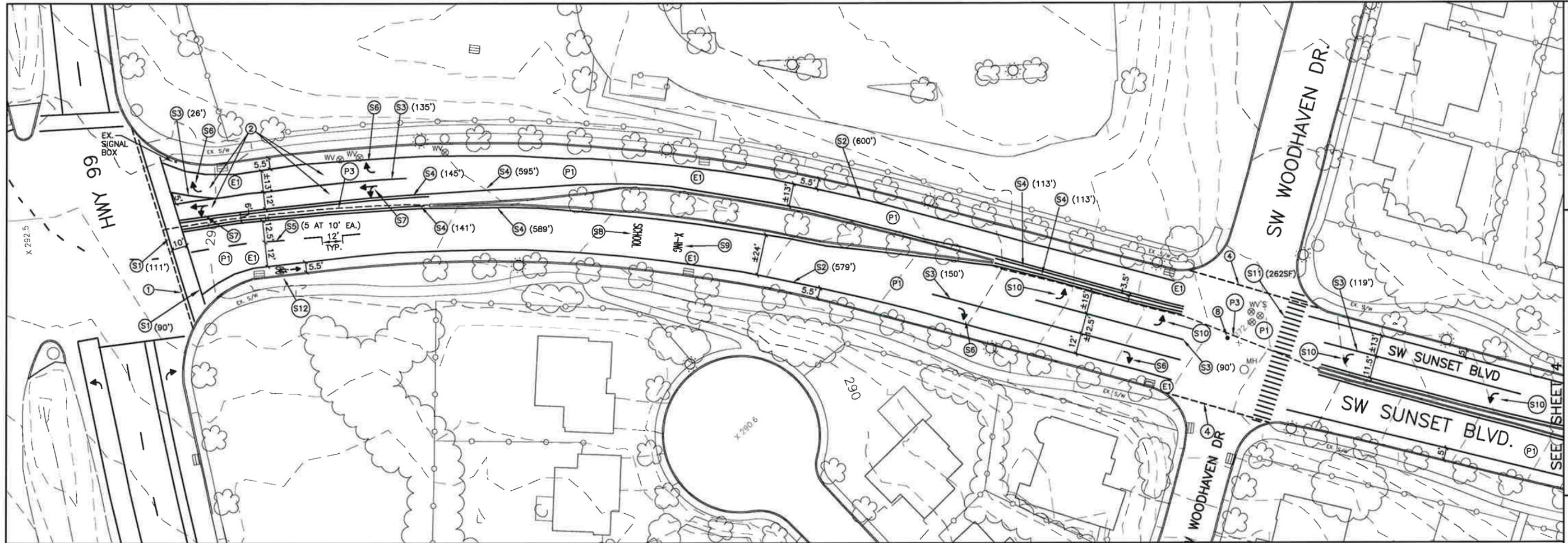
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DESIGNED BY:	OCC	DRAWN BY:	AS	CHECKED BY:	L/V/S	FULL SIZE SCALE:	AS NOTED	DATE:	APRIL 7, 2015
								SUNSET_SHEETS	REVISIONS

JOB NO.

SHEET NO.	2
of	19



**SW SUNSET BOULEVARD
(WEST PLAN VIEW)**

**SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION**

LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
STATE OF OREGON

CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22860 SW PINE STREET
SHERWOOD, OREGON 97140

PHONE: (503) 925-2309
FAX: (503) 625-0629
E-MAIL: engineering@sherwoodoregon.gov

REGISTERED PROFESSIONAL ENGINEER
CRAIG C. CHURCH
NO. 1777
EXPIRES: 12-31-15

STRIPING NOTES

- (X*) - APPROXIMATE LENGTH
- (S1) INSTALL WHITE THERMOPLASTIC BAR (12" WIDTH)
- (S2) INSTALL WHITE THERMOPLASTIC LINE CENTERED 5' FROM FACE OF CURB (8" WIDTH)
- (S3) INSTALL WHITE THERMOPLASTIC LINE (8" WIDTH)
- (S4) INSTALL YELLOW THERMOPLASTIC LINE CENTER 4" FROM FRONT EDGE OF GUTTER (4" WIDTH)
- (S5) INSTALL FIVE 10' LONG WHITE THERMOPLASTIC LINES (4" WIDTH)
- (S6) INSTALL WHITE THERMOPLASTIC RIGHT TURN ARROW
- (S7) INSTALL WHITE THERMOPLASTIC LEFT TURN STRAIGHT ARROW
- (S8) INSTALL WHITE THERMOPLASTIC WORD "SCHOOL"
- (S9) INSTALL WHITE THERMOPLASTIC WORD "X-ING"
- (S10) INSTALL WHITE THERMOPLASTIC LEFT TURN ARROW
- (S11) INSTALL WHITE THERMOPLASTIC BARS (12" WIDTH x 10' LONG-TYP. AT 3' C-C)
- (S12) INSTALL WHITE THERMOPLASTIC BIKE SYMBOL WITH ARROW

NOTES

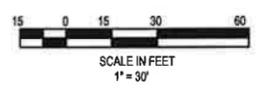
- 1 SAWCUT 0.25' PAST JOINT IN EXISTING ASPHALT (2" DEPTH)
- 2 REPLACE CIRCULAR DETECTOR LOOPS (6 TOTAL) IN KIND COMPLYING WITH ODOT'S QUALIFYING PRODUCT LIST
- 3 SAWCUT FULL DEPTH (±5" DEPTH) - CONFIRM LOCATION WITH INSPECTOR
- 4 SAWCUT (2" DEPTH) - CONFIRM LOCATION WITH INSPECTOR
- 5 SURVEY LOCATION OF MONUMENT AND RESET AFTER PAVING OF STREET - PAID FOR UNDER THE BID ITEM "CONSTRUCTION SURVEY WORK"
- 6 TAPER EXISTING SUBGRADE FROM EXISTING SUBGRADE DEPTH AT SAW CUT TO CREATE POSITIVE FLOW TO GUTTER LINE OF SW SUNSET BOULEVARD
- 7 CAUTION: EXISTING SHALLOW GAS LINE. DO NOT DAMAGE. CONTACT BOB KELLER PH. (503) 226-4211 X3046 PRIOR TO EXCAVATING IN THIS AREA.
- 8 EXISTING MONUMENT TO REMAIN. DO NOT DAMAGE. IF DAMAGED MONUMENT SHALL BE RESET AT CONTRACTOR'S EXPENSE.

PAVING NOTES

- (P1) AREA OF 2" ASPHALT GRIND AND OVERLAY
- (P2) AREA OF FULL PAVEMENT RECONSTRUCTION
- (P3) PAVEMENT CROWN

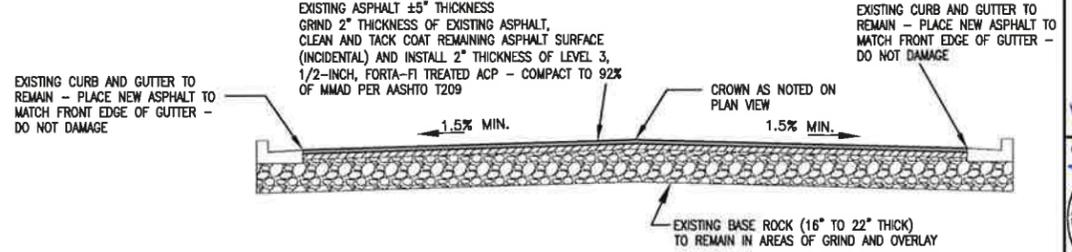
STREET NOTES

- 1. ONE DIRECTION OF TRAFFIC ON SW SUNSET BLVD SHALL REMAIN OPEN AT ALL TIMES.
- 2. SEE ATTACHED TRAFFIC CONTROL PLANS.
- 3. CONFIRM FINAL PAVEMENT MARKING LOCATIONS WITH INSPECTOR.
- 4. ANY HOLES IN THE EXISTING ASPHALT BELOW THE SURFACE LEVEL OF THE GRIND SURFACE SHALL BE FILLED WITH ASPHALT AND COMPACTED PRIOR TO OVERLAY (INCIDENTAL).
- 5. ANY WATER VALVES, MANHOLE COVERS, VAULTS OR BOXES WITHIN THE AREA OF THE NEW OVERLAY SHALL REMAIN IN PLACE. DO NOT DAMAGE. WORKING AROUND THESE FACILITIES IS INCIDENTAL.
- 6. ANY WATER VALVES AND MANHOLE COVERS WITHIN THE FULL DEPTH PAVEMENT AREA SHALL BE ADJUSTED AS NECESSARY TO MATCH THE NEW ASPHALT SURFACE. PAID FOR BY BID ITEM.
- 7. CONTRACTOR SHALL VERIFY THAT MINIMUM PAVEMENT CROSS SLOPE WILL BE OBTAINED PRIOR TO OVERLAY LIFT (INCIDENTAL).
- 8. HOURS OF OPERATION FOR SW SUNSET BOULEVARD: 7:00AM-6:00PM MONDAY THROUGH FRIDAY.

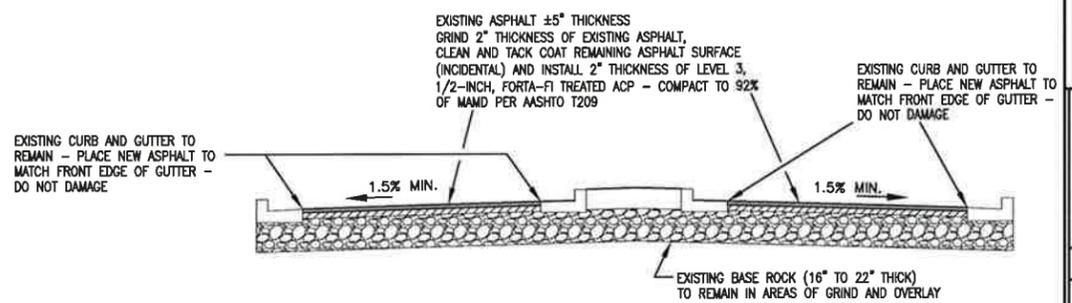


EROSION CONTROL NOTES

- (E1) INSTALL SILT SACK IN CATCH BASIN AND BIOBAGS IN FRONT OF CURB OPENING.
- (E2) INSTALL BIOBAGS IN FRONT OF CURB OPENING.

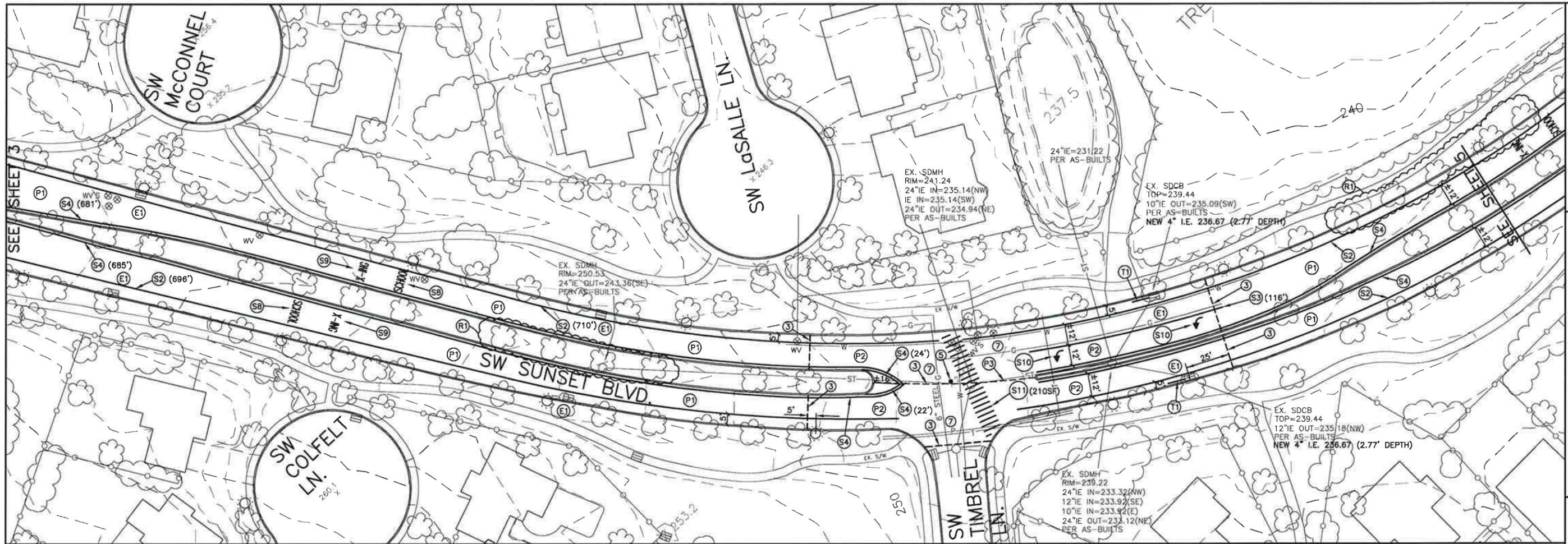


TYPICAL GRIND AND OVERLAY STREET SECTION - NO MEDIAN
NOT TO SCALE



TYPICAL GRIND AND OVERLAY STREET SECTION - WITH MEDIAN
NOT TO SCALE

DESIGNED BY:	DRAWN BY:	CHECKED BY:	FULL SIZE SCALE:	DATE:	SUNSET_SHEETS.DWG
CCC/MS	CCC/MS	LJ/CS	1"=30'	APRIL 7, 2015	
					REVISIONS
JOB NO.					
SHEET NO.					3
					19



**SW SUNSET BOULEVARD
(MIDDLE PLAN VIEW)**

**SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION**
LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
STATE OF OREGON

**CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22560 SW PINE STREET
SHERWOOD, OREGON 97140**
PHONE: (503) 925-2309
FAX: (503) 625-0629
E-MAIL: engineering@shermoregoc.gov
REGISTERED PROFESSIONAL ENGINEER
17177 SW 10TH AVE, SUITE 100
CLATSOP COUNTY, OREGON 97130
EXPIRES: 12-31-15

STRIPING NOTES

- (X) - APPROXIMATE LENGTH
- (S1) INSTALL WHITE THERMOPLASTIC BAR (12" WIDTH)
- (S2) INSTALL WHITE THERMOPLASTIC LINE CENTERED 5' FROM FACE OF CURB (8" WIDTH)
- (S3) INSTALL WHITE THERMOPLASTIC LINE (8" WIDTH)
- (S4) INSTALL YELLOW THERMOPLASTIC LINE CENTER 4" FROM FRONT EDGE OF GUTTER (4" WIDTH)
- (S5) INSTALL FIVE 10' LONG WHITE THERMOPLASTIC LINES (4" WIDTH)
- (S6) INSTALL WHITE THERMOPLASTIC RIGHT TURN ARROW
- (S7) INSTALL WHITE THERMOPLASTIC LEFT TURN STRAIGHT ARROW
- (S8) INSTALL WHITE THERMOPLASTIC WORD "SCHOOL"
- (S9) INSTALL WHITE THERMOPLASTIC WORD "X-ING"
- (S10) INSTALL WHITE THERMOPLASTIC LEFT TURN ARROW
- (S11) INSTALL WHITE THERMOPLASTIC BARS (12" WIDTH x 10' LONG-TYP. AT 3' C-C)
- (S12) INSTALL WHITE THERMOPLASTIC BIKE SYMBOL WITH ARROW

NOTES

- 1 SAWCUT 0.25' PAST JOINT IN EXISTING ASPHALT (2" DEPTH)
- 2 REPLACE CIRCULAR DETECTOR LOOPS (6 TOTAL) IN KIND COMPLYING WITH ODOT'S QUALIFYING PRODUCT LIST
- 3 SAWCUT FULL DEPTH (±5" DEPTH) - CONFIRM LOCATION WITH INSPECTOR
- 4 SAWCUT (2" DEPTH) - CONFIRM LOCATION WITH INSPECTOR
- 5 SURVEY LOCATION OF MONUMENT AND RESET AFTER PAVING OF STREET - PAID FOR UNDER THE BID ITEM "CONSTRUCTION SURVEY WORK"
- 6 TAPER EXISTING SUBGRADE FROM EXISTING SUBGRADE DEPTH AT SAW CUT TO CREATE POSITIVE FLOW TO GUTTER LINE OF SW SUNSET BOULEVARD
- 7 CAUTION: EXISTING SHALLOW GAS LINE. DO NOT DAMAGE. CONTACT BOB KELLER PH. (503) 226-4211 X3046 PRIOR TO EXCAVATING IN THIS AREA.
- 8 EXISTING MONUMENT TO REMAIN. DO NOT DAMAGE. IF DAMAGED MONUMENT SHALL BE RESET AT CONTRACTOR'S EXPENSE.

PAVING NOTES

- (P1) AREA OF 2" ASPHALT GRIND AND OVERLAY
- (P2) AREA OF FULL PAVEMENT RECONSTRUCTION
- (P3) PAVEMENT CROWN

EROSION CONTROL NOTES

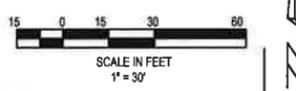
- (E1) INSTALL SILT SACK IN CATCH BASIN AND BIOBAGS IN FRONT OF CURB OPENING.
- (E2) INSTALL BIOBAGS IN FRONT OF CURB OPENING.

TREE ROOT NOTES

- (R1) UPON GRINDING OF ASPHALT SURFACE, THE REMAINING ASPHALT SURFACE SHALL BE EVALUATED FOR DAMAGE FROM TREE ROOTS. ADDITIONAL WORK MAY BE REQUIRED AT THE DIRECTION OF THE INSPECTOR. COST OF ADDITIONAL WORK TO BE NEGOTIATED (EXTRA).

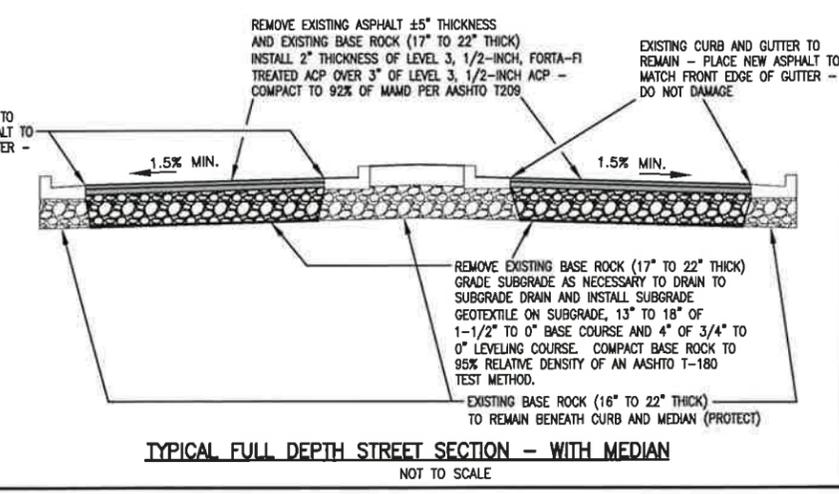
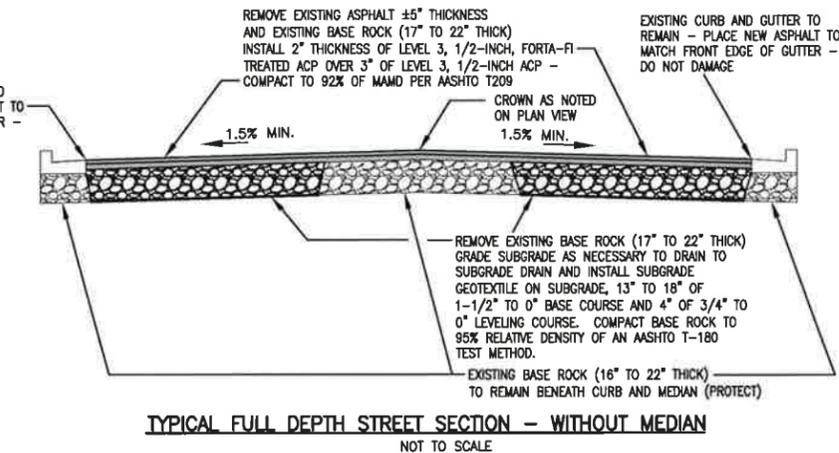
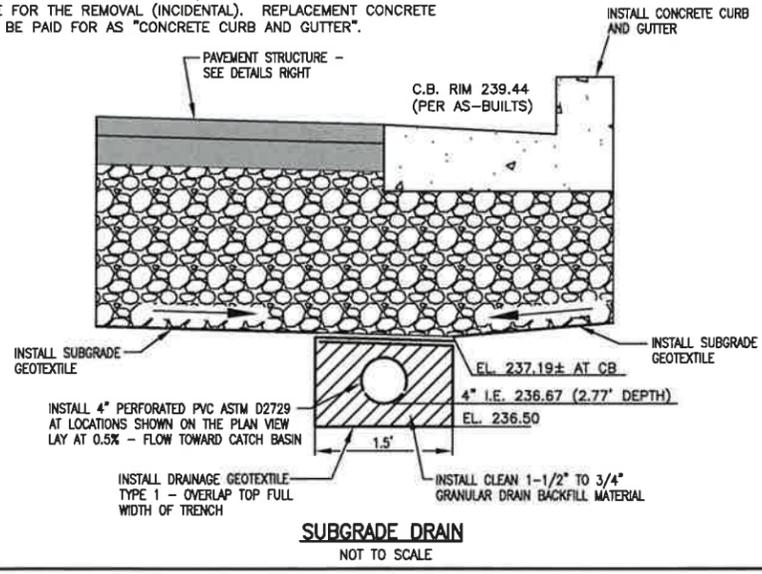
STORM SEWER NOTES

- (T1) REMOVE CURB AND GUTTER TO JOINT, CORE HOLE IN EXISTING CATCH BASIN, INSTALL SUBGRADE DRAIN (SEE DETAIL) AND REGROUT HOLE IN CATCH BASIN AROUND NEW PIPE. INSTALL NEW CONCRETE CURB AND GUTTER. MAINTAIN CONCRETE CURB AND GUTTER AROUND CATCH BASIN. IF CATCH BASIN CURB AND GUTTER NEEDS TO BE REMOVED, THEN A CLEAN SAW CUT WILL BE MADE FOR THE REMOVAL (INCIDENTAL). REPLACEMENT CONCRETE WILL BE PAID FOR AS "CONCRETE CURB AND GUTTER".

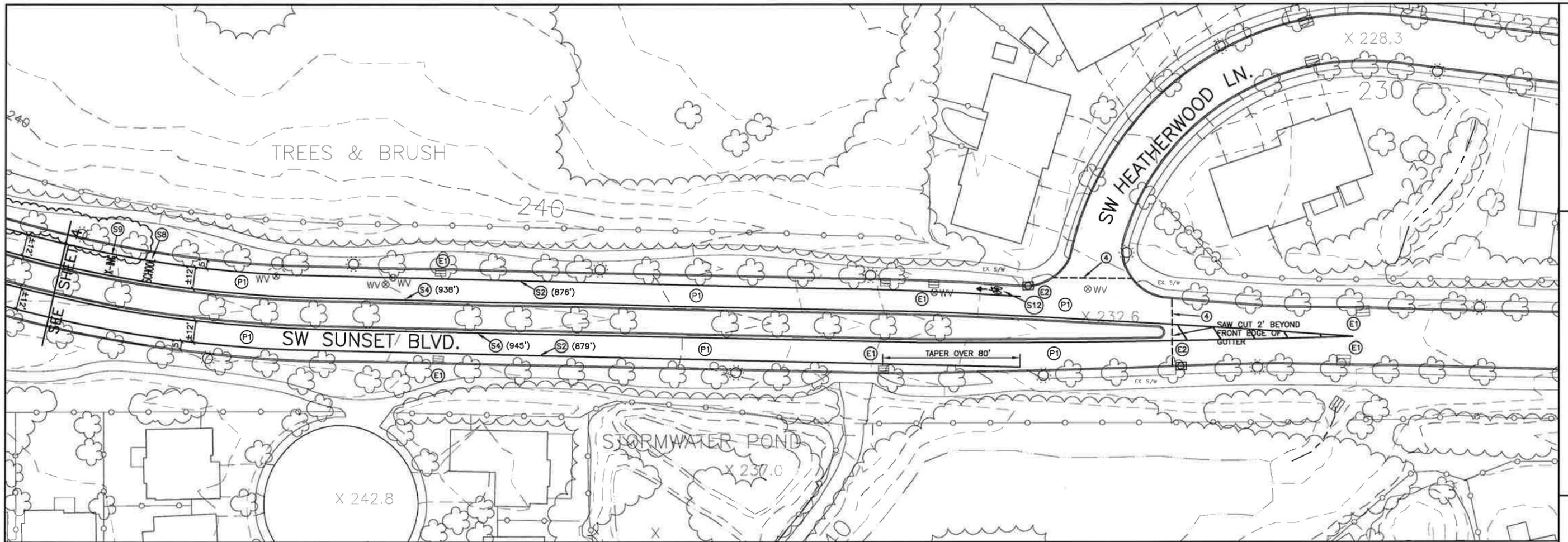


STREET NOTES

1. ONE DIRECTION OF TRAFFIC ON SW SUNSET BLVD SHALL REMAIN OPEN AT ALL TIMES.
2. SEE ATTACHED TRAFFIC CONTROL PLANS.
3. CONFIRM FINAL PAVEMENT MARKING LOCATIONS WITH INSPECTOR.
4. ANY HOLES IN THE EXISTING ASPHALT BELOW THE SURFACE LEVEL OF THE GRIND SURFACE SHALL BE FILLED WITH ASPHALT AND COMPACTED PRIOR TO OVERLAY (INCIDENTAL).
5. ANY WATER VALVES, MANHOLE COVERS, VAULTS OR BOXES WITHIN THE AREA OF THE NEW OVERLAY SHALL REMAIN IN PLACE. DO NOT DAMAGE. WORKING AROUND THESE FACILITIES IS INCIDENTAL.
6. ANY WATER VALVES AND MANHOLE COVERS WITHIN THE FULL DEPTH PAVEMENT AREA SHALL BE ADJUSTED AS NECESSARY TO MATCH THE NEW ASPHALT SURFACE. PAID FOR BY BID ITEM.
7. CONTRACTOR SHALL VERIFY THAT MINIMUM PAVEMENT CROSS SLOPE WILL BE OBTAINED PRIOR TO OVERLAY LIFT (INCIDENTAL).
8. HOURS OF OPERATION FOR SW SUNSET BOULEVARD: 7:00AM-6:00PM MONDAY THROUGH FRIDAY.



DESIGNED BY:	CCC
DRAWN BY:	CCC/MS
CHECKED BY:	LJ/CS
FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SHEET:	4
OF:	19



**SW SUNSET BOULEVARD
(EAST PLAN VIEW)**

**SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION**
 LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
 IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
 STATE OF OREGON

**CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22580 SW PINE STREET
SHERWOOD, OREGON 97140**
 PHONE: (503) 925-2309
 FAX: (503) 625-0829
 E-MAIL: engineering@sherwoodoregon.gov



DESIGNED BY:	CC
DRAWN BY:	AGS
CHECKED BY:	LVS
FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SUNSET_SHEETS	

JOB NO.	
SHEET NO.	5
REVISIONS	

STRIPING NOTES

- (X') - APPROXIMATE LENGTH
- (S1) INSTALL WHITE THERMOPLASTIC BAR (12" WIDTH)
- (S2) INSTALL WHITE THERMOPLASTIC LINE CENTERED 5' FROM FACE OF CURB (8" WIDTH)
- (S3) INSTALL WHITE THERMOPLASTIC LINE (8" WIDTH)
- (S4) INSTALL YELLOW THERMOPLASTIC LINE CENTER 4" FROM FRONT EDGE OF GUTTER (4" WIDTH)
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- (S9) INSTALL WHITE THERMOPLASTIC WORD "X-ING"
- (S10) INSTALL WHITE THERMOPLASTIC LEFT TURN ARROW
- (S11) INSTALL WHITE THERMOPLASTIC BARS (12" WIDTH x 10' LONG-TYP. AT 3' C-C)
- (S12) INSTALL WHITE THERMOPLASTIC BIKE SYMBOL WITH ARROW

NOTES

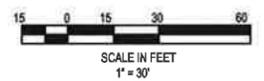
- (1) SAWCUT 0.25' PAST JOINT IN EXISTING ASPHALT (2" DEPTH)
- (2) REPLACE CIRCULAR DETECTOR LOOPS (6 TOTAL) IN KIND COMPLYING WITH ODOT'S QUALIFYING PRODUCT LIST
- (3) SAWCUT FULL DEPTH (±5" DEPTH) - CONFIRM LOCATION WITH INSPECTOR
- (4) SAWCUT (2" DEPTH) - CONFIRM LOCATION WITH INSPECTOR
- (5) SURVEY LOCATION OF MONUMENT AND RESET AFTER PAVING OF STREET - PAID FOR UNDER THE BID ITEM "CONSTRUCTION SURVEY WORK"
- (6) TAPER EXISTING SUBGRADE FROM EXISTING SUBGRADE DEPTH AT SAW CUT TO CREATE POSITIVE FLOW TO GUTTER LINE OF SW SUNSET BOULEVARD
- (7) CAUTION: EXISTING SHALLOW GAS LINE. DO NOT DAMAGE. CONTACT BOB KELLER PH. (503) 226-4211 X3046 PRIOR TO EXCAVATING IN THIS AREA.
- (8) EXISTING MONUMENT TO REMAIN. DO NOT DAMAGE. IF DAMAGED MONUMENT SHALL BE RESET AT CONTRACTOR'S EXPENSE.

PAVING NOTES

- (P1) AREA OF 2" ASPHALT GRIND AND OVERLAY
- (P2) AREA OF FULL PAVEMENT RECONSTRUCTION
- (P3) PAVEMENT CROWN

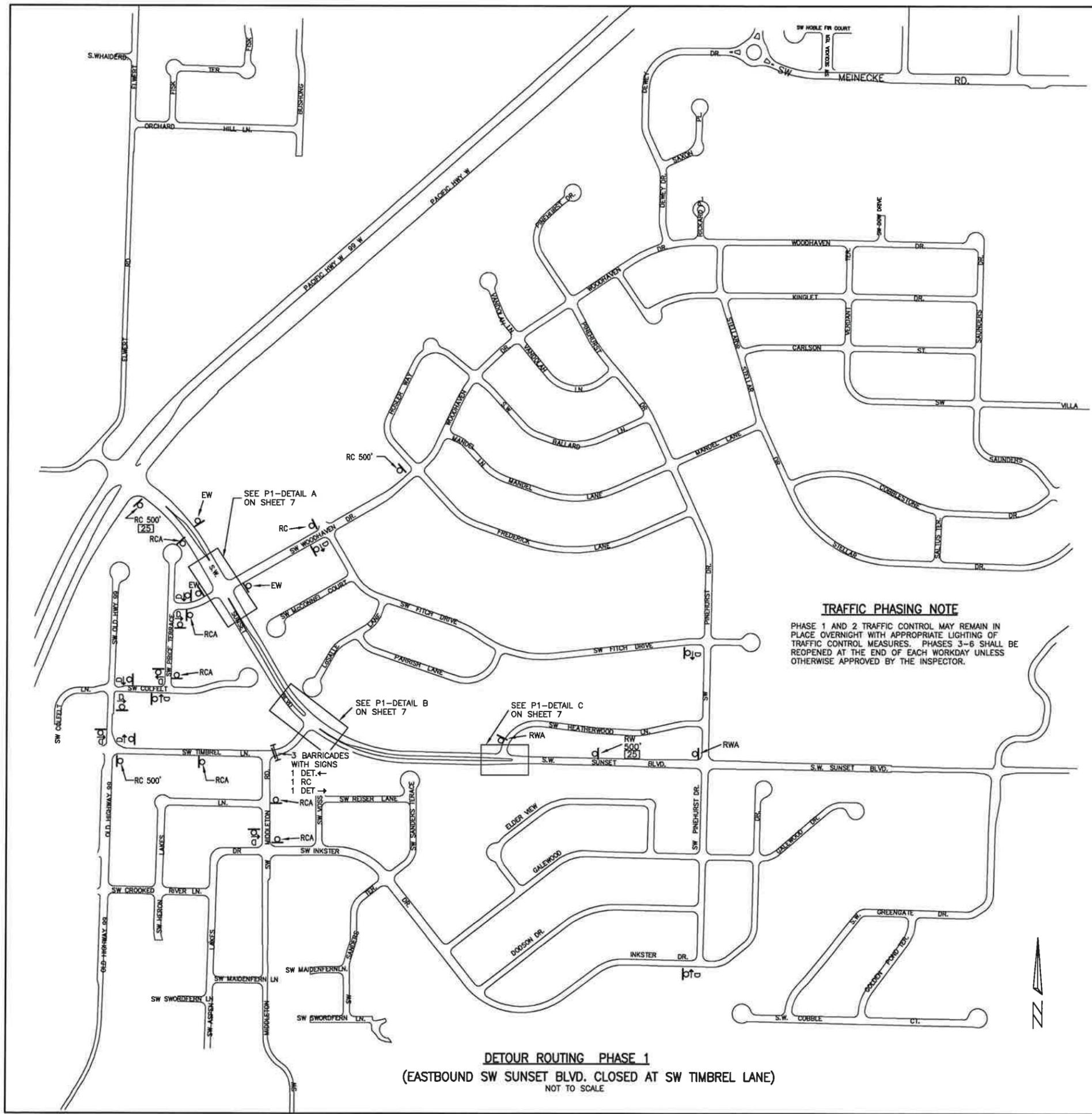
EROSION CONTROL NOTES

- (E1) INSTALL SILT SACK IN CATCH BASIN AND BIOBAGS IN FRONT OF CURB OPENING.
- (E2) INSTALL BIOBAGS IN FRONT OF CURB OPENING.



STREET NOTES

1. ONE DIRECTION OF TRAFFIC ON SW SUNSET BLVD SHALL REMAIN OPEN AT ALL TIMES.
2. SEE ATTACHED TRAFFIC CONTROL PLANS.
3. CONFIRM FINAL PAVEMENT MARKING LOCATIONS WITH INSPECTOR.
4. ANY HOLES IN THE EXISTING ASPHALT BELOW THE SURFACE LEVEL OF THE GRIND SURFACE SHALL BE FILLED WITH ASPHALT AND COMPACTED PRIOR TO OVERLAY (INCIDENTAL).
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7. CONTRACTOR SHALL VERIFY THAT MINIMUM PAVEMENT CROSS SLOPE WILL BE OBTAINED PRIOR TO OVERLAY LIFT (INCIDENTAL).
8. HOURS OF OPERATION FOR SW SUNSET BOULEVARD: 7:00AM-6:00PM MONDAY THROUGH FRIDAY.



TRAFFIC CONTROL LEGEND

- I = TYPE III BARRICADE
- II = TYPE III BARRICADE WITH SIGN
- III = TYPE II BARRICADE WITH SIGN
- = CHANNELIZING DRUM
- ⊔ = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED
- DET. → = M4-10, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- D → = M4-9, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- RC = R11-2
- RWA = W20-1 "AHEAD"
- RW = W20-1 "500 FEET"
- [25] = W13-1P "25 MPH"
- RCA = W20-3 "AHEAD"
- RC = W20-3 "500 FEET"
- EW = G20-2
- NO = W14-2 OUTLET
- ED = M4-8A

TRAFFIC CONTROL NOTES

1. COVER EXISTING STREET SIGNS IN CONFLICT WITH TRAFFIC CONTROL PLAN USING METHOD APPROVED BY CITY.
2. EXACT PLACEMENT OF TRAFFIC CONTROL SIGNS WILL BE BASED UPON FIELD CONDITIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTINUED FUNCTION AND SAFETY OF TRAFFIC CONTROL IMPLEMENTED FOR THE CONSTRUCTION OF THE PROJECT. ADDITIONAL TRAFFIC CONTROL MEASURES MAY BE NECESSARY TO INSURE THE SAFETY OF THE WORKERS, DRIVERS, BIKE RIDERS AND PEDESTRIANS.
4. ALL TRAFFIC CONTROL NECESSARY FOR THE COMPLETION OF THE WORK, WHETHER SHOWN ON THIS PLAN OR IN ADDITION TO THE TRAFFIC CONTROL MEASURES SHOWN ON THIS PLAN, INCLUDING FLAGGERS, IS PAID FOR UNDER THE BID ITEM "TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE".
5. AFTER GRINDING TEMPORARY ASPHALT SHALL BE INSTALLED OVER REMAINING ASPHALT SURFACE TO CREATE SMOOTH CROSSWALK. INSTALL ASPHALT WEDGES (12:1 MAX.) AS NECESSARY AT ELEVATION DROPS IN CROSSWALKS (INCIDENTAL).
6. INSTALL TEMPORARY PAVEMENT MARKINGS AT INTERSECTIONS FOR TRAFFIC DELINEATION (INCIDENTAL).
7. THIS TRAFFIC CONTROL PLAN HAS BEEN DEVELOPED TO OBTAIN ODOT PERMIT AND TO GIVE THE CONTRACTOR A CONCEPT AS TO WHAT WILL BE EXPECTED FOR TRAFFIC CONTROL. ORDER OF PHASING OF THIS TRAFFIC CONTROL PLAN OR MODIFICATIONS TO THE TRAFFIC CONTROL PLAN MAY BE PERMITTED AT THE APPROVAL OF THE INSPECTOR.
8. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS"
9. ALL TYPE III BARRICADES THAT ARE OUT AT DARK SHALL HAVE WARNING LIGHTS.
10. IF DRUMS ARE OUT AT DARK, THE 1ST DRUM IN THE DIRECTION OF TRAFFIC FLOW SHALL HAVE A WARNING LIGHT WITH DRUMS ALTERNATING BETWEEN NO LIGHT AND WARNING LIGHT.
11. THE CITY OF SHERWOOD WILL PROVIDE READER BOARDS FOR ADVANCED NOTICE OF UPCOMING ROAD/LANE CLOSURE. COORDINATE TIMING WITH CITY INSPECTOR. READER BOARDS WILL NEED TO BE IN PLACE ONE WEEK PRIOR TO CLOSURE.
12. CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 3 DAYS IN ADVANCE OF ANY ROAD/LANE CLOSURES:
TUALATIN FIRE AND RESCUE
SHERWOOD POLICE DEPARTMENT
SHERWOOD SCHOOL DISTRICT
UNITED STATES POSTAL SERVICE
PRIDE DISPOSAL

TRAFFIC PHASING NOTE

PHASE 1 AND 2 TRAFFIC CONTROL MAY REMAIN IN PLACE OVERNIGHT WITH APPROPRIATE LIGHTING OF TRAFFIC CONTROL MEASURES. PHASES 3-6 SHALL BE REOPENED AT THE END OF EACH WORKDAY UNLESS OTHERWISE APPROVED BY THE INSPECTOR.

DETOUR ROUTING PHASE 1
(EASTBOUND SW SUNSET BLVD. CLOSED AT SW TIMBREL LANE)
NOT TO SCALE

**SW SUNSET BOULEVARD
TRAFFIC CONTROL
DETOUR PLAN (PHASE 1)**

**SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION**

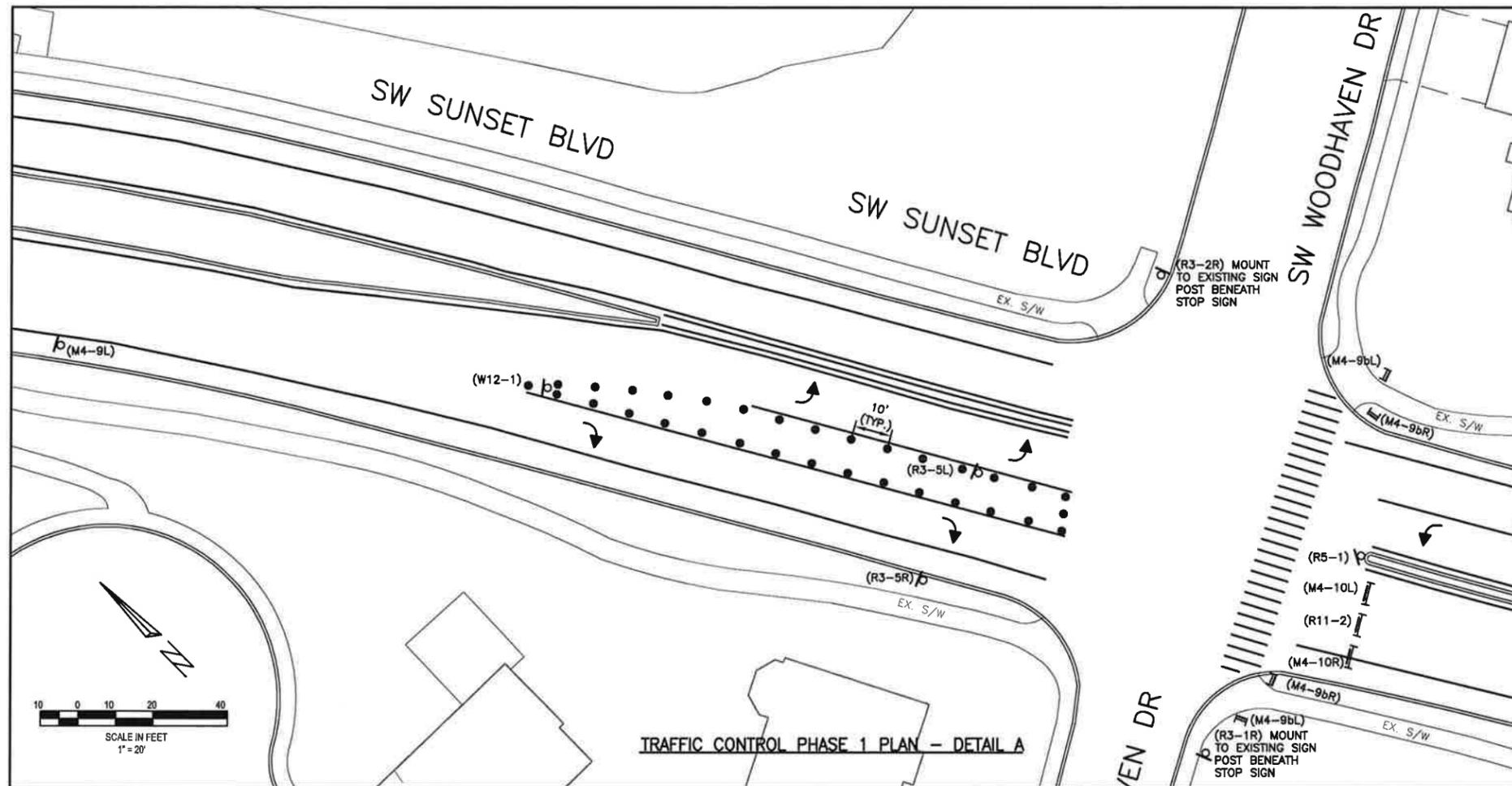
LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
STATE OF OREGON

CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22560 SW PINE STREET
SHERWOOD, OREGON 97140
PHONE: (503) 925-2309
FAX: (503) 925-0629
E-MAIL: engineering@sherwoodoregon.gov

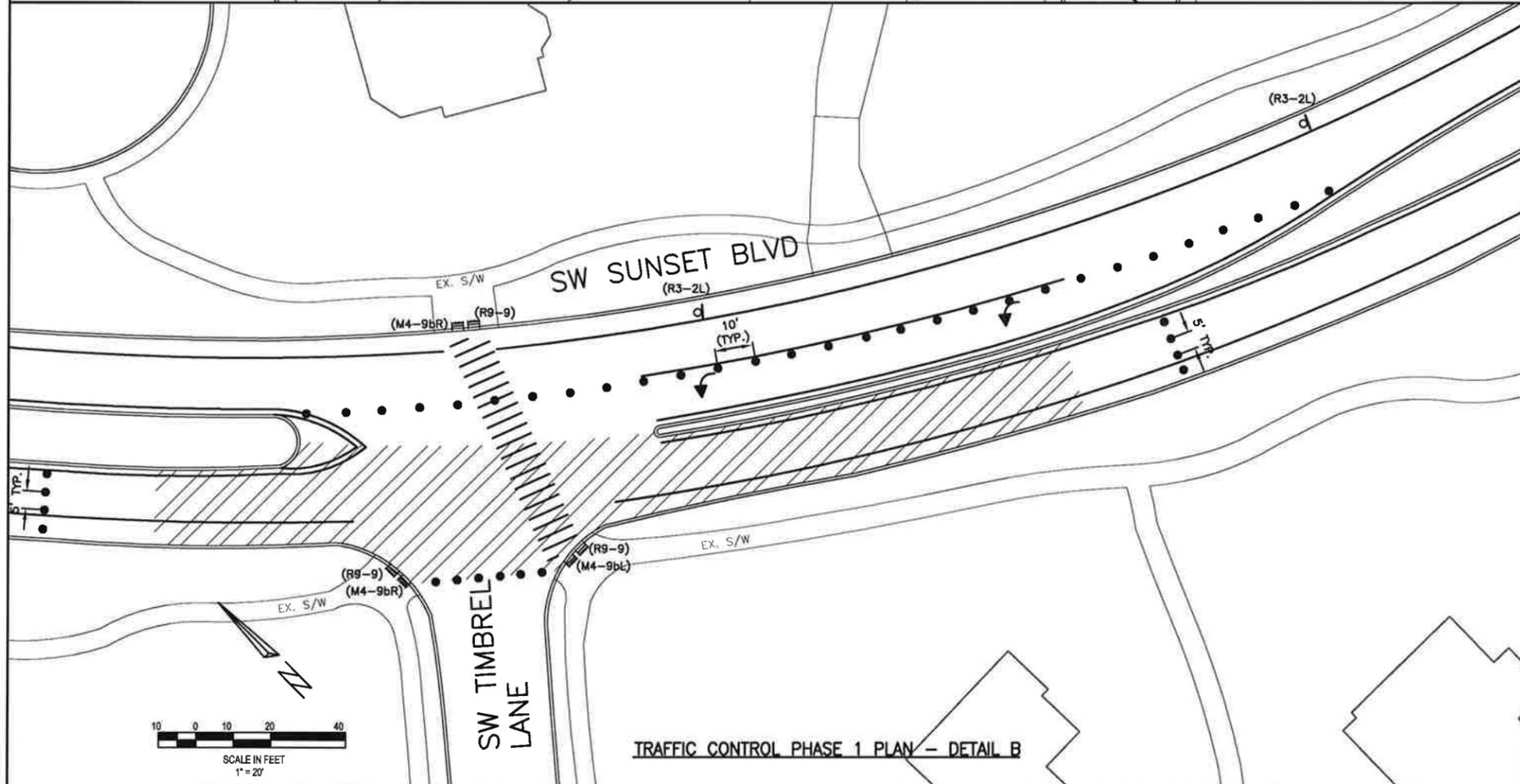
EXP. 12-31-15

DESIGNED BY:	CCC
DRAWN BY:	CCC/ANS
CHECKED BY:	LJ/AS
FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SUNSET_TRAFFIC CONTROLING	

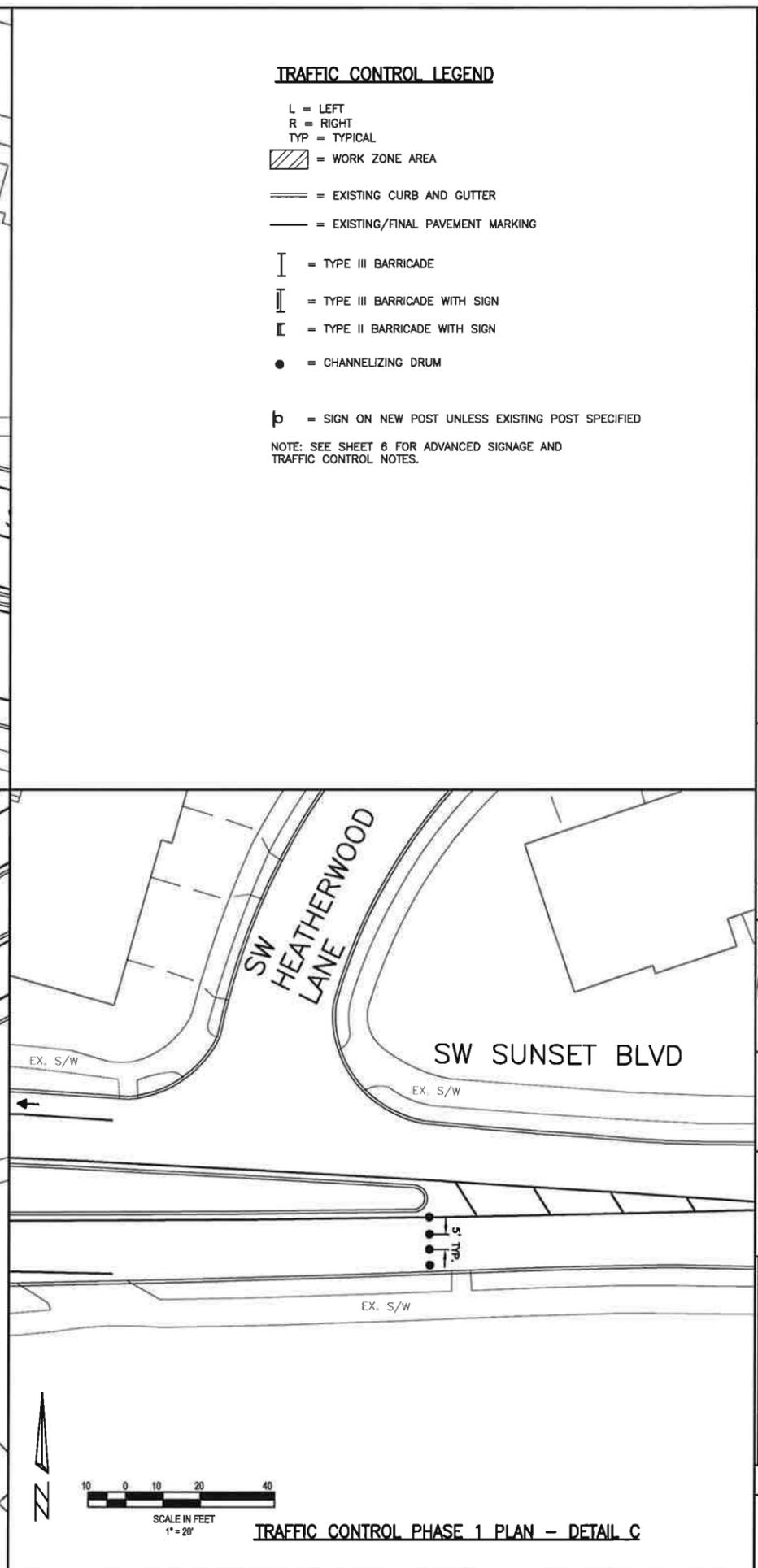
JOB NO.	
SHEET NO.	6
REVISONS	
19	



TRAFFIC CONTROL PHASE 1 PLAN - DETAIL A



TRAFFIC CONTROL PHASE 1 PLAN - DETAIL B



TRAFFIC CONTROL PHASE 1 PLAN - DETAIL C

TRAFFIC CONTROL LEGEND

- L = LEFT
 - R = RIGHT
 - TYP = TYPICAL
 - = WORK ZONE AREA
 - = EXISTING CURB AND GUTTER
 - = EXISTING/FINAL PAVEMENT MARKING
 - = TYPE III BARRICADE
 - = TYPE III BARRICADE WITH SIGN
 - = TYPE II BARRICADE WITH SIGN
 - = CHANNELIZING DRUM
 - = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED
- NOTE: SEE SHEET 6 FOR ADVANCED SIGNAGE AND TRAFFIC CONTROL NOTES.

**SW SUNSET BOULEVARD
TRAFFIC CONTROL (PHASE 1)
DETAILS**

**SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION**

LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
STATE OF OREGON

**CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22560 SW PINE STREET
SHERWOOD, OREGON 97140**

PHONE: (503) 925-2309
FAX: (503) 625-0629
E-MAIL: engineering@sherwoodoregon.gov

PROFESSIONAL ENGINEER
CRAIG C. CHURCH
EXPIRES: 12-31-15

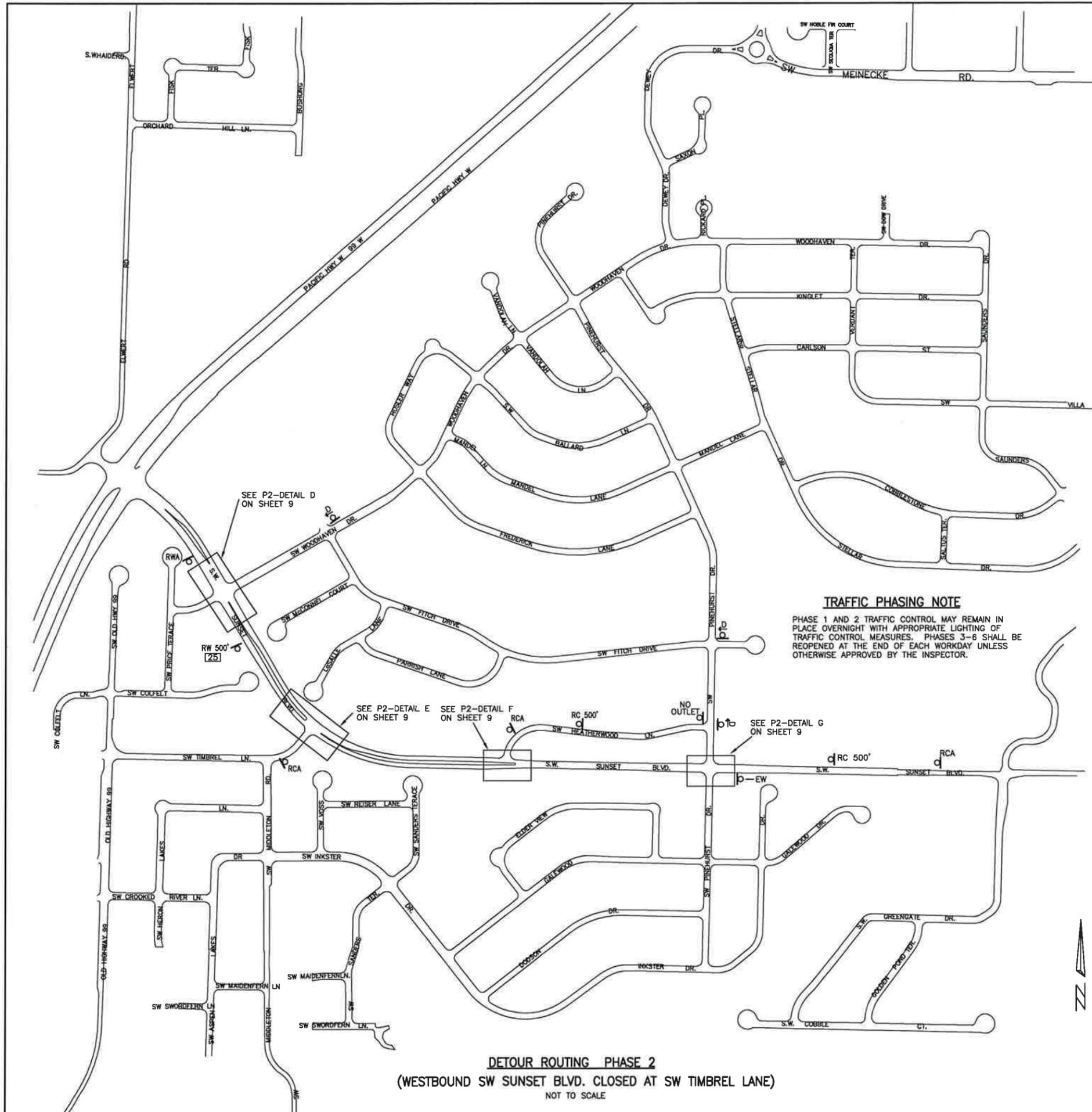
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FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SUNSET_TRAFFIC CONTROL.DWG	

NO.	REVISIONS

JOB NO. _____

SHEET NO. **7**

9 19



TRAFFIC CONTROL LEGEND

- I = TYPE III BARRICADE
- II = TYPE III BARRICADE WITH SIGN
- III = TYPE II BARRICADE WITH SIGN
- = CHANNELIZING DRUM
- b = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED
- DET. = M4-10, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- D = M4-9, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- RC = R11-2
- RWA = W20-1 "AHEAD"
- RW 500' = W20-1 "500 FEET"
- [25] = W13-1P "25 MPH"
- RCA = W20-3 "AHEAD"
- RC 500' = W20-3 "500 FEET"
- EW = G20-2
- NO = W14-2 OUTLET
- ED = M4-8A

TRAFFIC CONTROL NOTES

1. COVER EXISTING STREET SIGNS IN CONFLICT WITH TRAFFIC CONTROL PLAN USING METHOD APPROVED BY CITY.
2. EXACT PLACEMENT OF TRAFFIC CONTROL SIGNS WILL BE BASED UPON FIELD CONDITIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTINUED FUNCTION AND SAFETY OF TRAFFIC CONTROL IMPLEMENTED FOR THE CONSTRUCTION OF THE PROJECT. ADDITIONAL TRAFFIC CONTROL MEASURES MAY BE NECESSARY TO INSURE THE SAFETY OF THE WORKERS, DRIVERS, BIKE RIDERS AND PEDESTRIANS.
4. ALL TRAFFIC CONTROL NECESSARY FOR THE COMPLETION OF THE WORK, WHETHER SHOWN ON THIS PLAN OR IN ADDITION TO THE TRAFFIC CONTROL MEASURES SHOWN ON THIS PLAN, INCLUDING FLAGGERS, IS PAID FOR UNDER THE BID ITEM "TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE".
5. AFTER GRINDING TEMPORARY ASPHALT SHALL BE INSTALLED OVER REMAINING ASPHALT SURFACE TO CREATE SMOOTH CROSSWALK. INSTALL ASPHALT WEDGES (12:1 MAX.) AS NECESSARY AT ELEVATION DROPS IN CROSSWALKS (INCIDENTAL).
6. INSTALL TEMPORARY PAVEMENT MARKINGS AT INTERSECTIONS FOR TRAFFIC DELINEATION (INCIDENTAL).
7. THIS TRAFFIC CONTROL PLAN HAS BEEN DEVELOPED TO OBTAIN ODOT PERMIT AND TO GIVE THE CONTRACTOR A CONCEPT AS TO WHAT WILL BE EXPECTED FOR TRAFFIC CONTROL. ORDER OF PHASING OF THIS TRAFFIC CONTROL PLAN OR MODIFICATIONS TO THE TRAFFIC CONTROL PLAN MAY BE PERMITTED AT THE APPROVAL OF THE INSPECTOR.
8. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS"
9. ALL TYPE III BARRICADES THAT ARE OUT AT DARK SHALL HAVE WARNING LIGHTS.
10. IF DRUMS ARE OUT AT DARK, THE 1ST DRUM IN THE DIRECTION OF TRAFFIC FLOW SHALL HAVE A WARNING LIGHT WITH DRUMS ALTERNATING BETWEEN NO LIGHT AND WARNING LIGHT.
11. THE CITY OF SHERWOOD WILL PROVIDE READER BOARDS FOR ADVANCED NOTICE OF UPCOMING ROAD/LANE CLOSURE. COORDINATE TIMING WITH CITY INSPECTOR. READER BOARDS WILL NEED TO BE IN PLACE ONE WEEK PRIOR TO CLOSURE.
12. CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 3 DAYS IN ADVANCE OF ANY ROAD/LANE CLOSURES:
 TUALATIN FIRE AND RESCUE
 SHERWOOD POLICE DEPARTMENT
 SHERWOOD SCHOOL DISTRICT
 UNITED STATES POSTAL SERVICE
 PRIDE DISPOSAL

TRAFFIC PHASING NOTE

PHASE 1 AND 2 TRAFFIC CONTROL MAY REMAIN IN PLACE OVERNIGHT WITH APPROPRIATE LIGHTING OF TRAFFIC CONTROL MEASURES. PHASES 3-6 SHALL BE REOPENED AT THE END OF EACH WORKDAY UNLESS OTHERWISE APPROVED BY THE INSPECTOR.

DETOUR ROUTING PHASE 2
 (WESTBOUND SW SUNSET BLVD. CLOSED AT SW TIMBREL LANE)
 NOT TO SCALE

**SW SUNSET BOULEVARD AND APRIL COURT
 TRAFFIC CONTROL
 DETOUR PLAN (PHASE 2)**

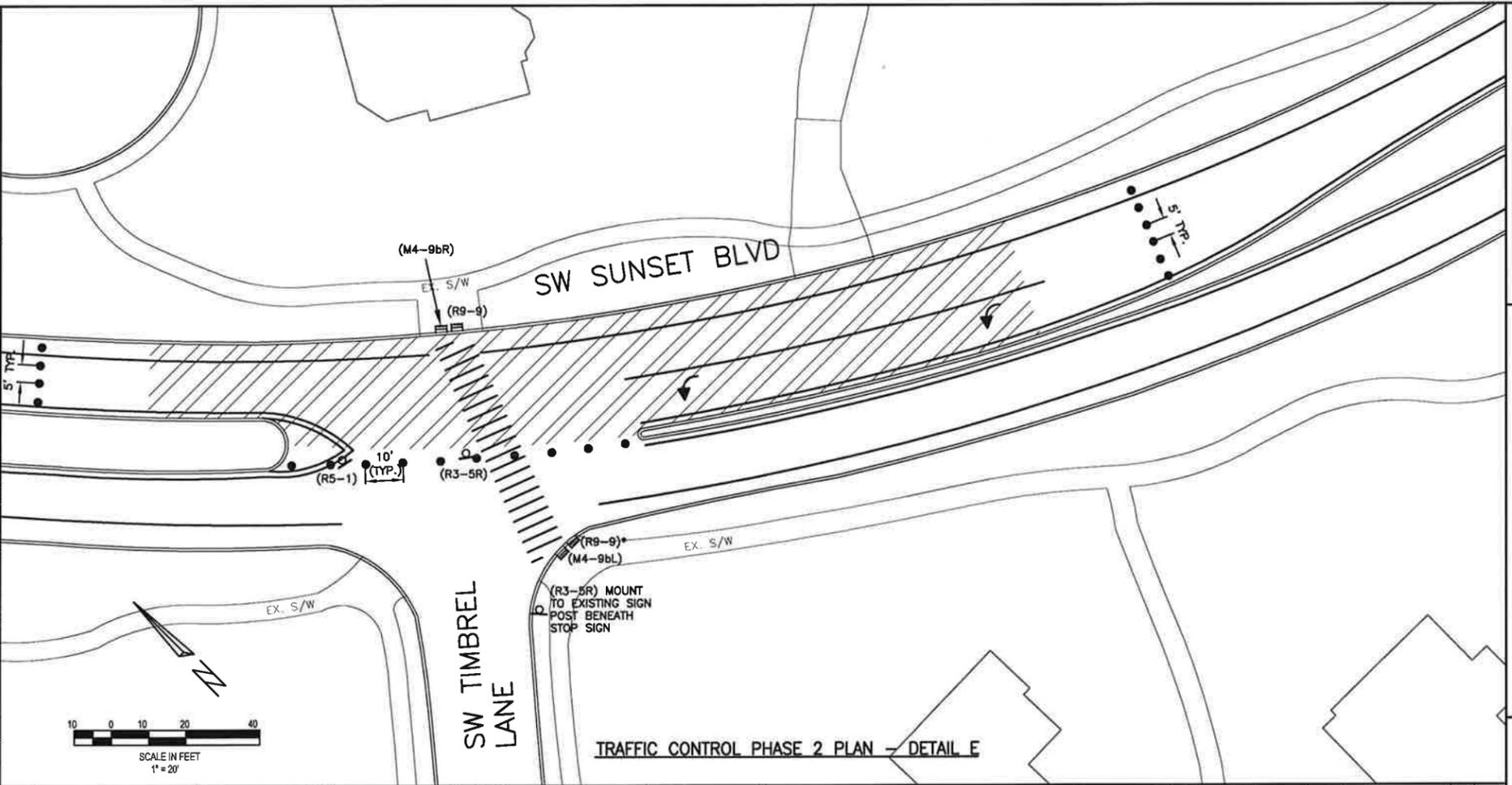
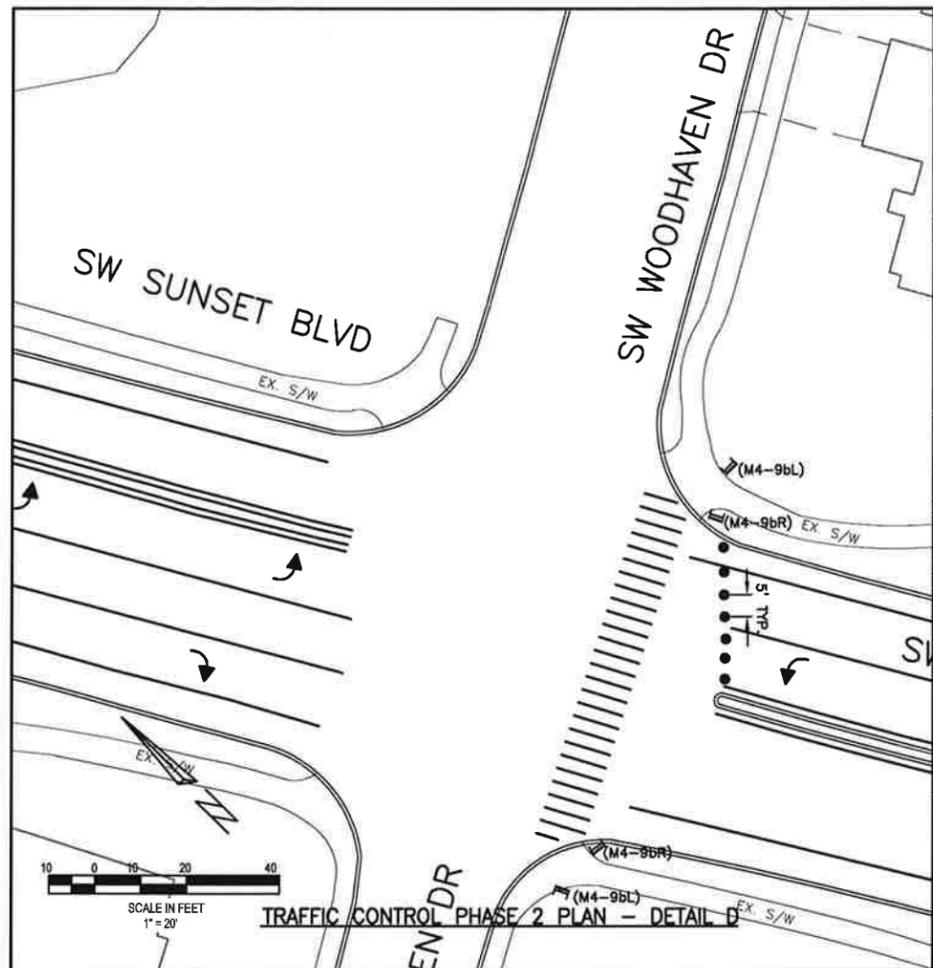
**SUNSET BOULEVARD AND APRIL COURT
 PAVEMENT REHABILITATION**
 LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
 IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
 STATE OF OREGON

CITY OF SHERWOOD
 ENGINEERING DEPARTMENT
 22560 SW PINE STREET
 SHERWOOD, OREGON 97140
 PHONE: (503) 925-2309
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DESIGNED BY:	CCC
DRAWN BY:	CCC/MS
CHECKED BY:	LJCS
FULL SIZE SCALE:	1"=50'
DATE:	APRIL 7, 2015

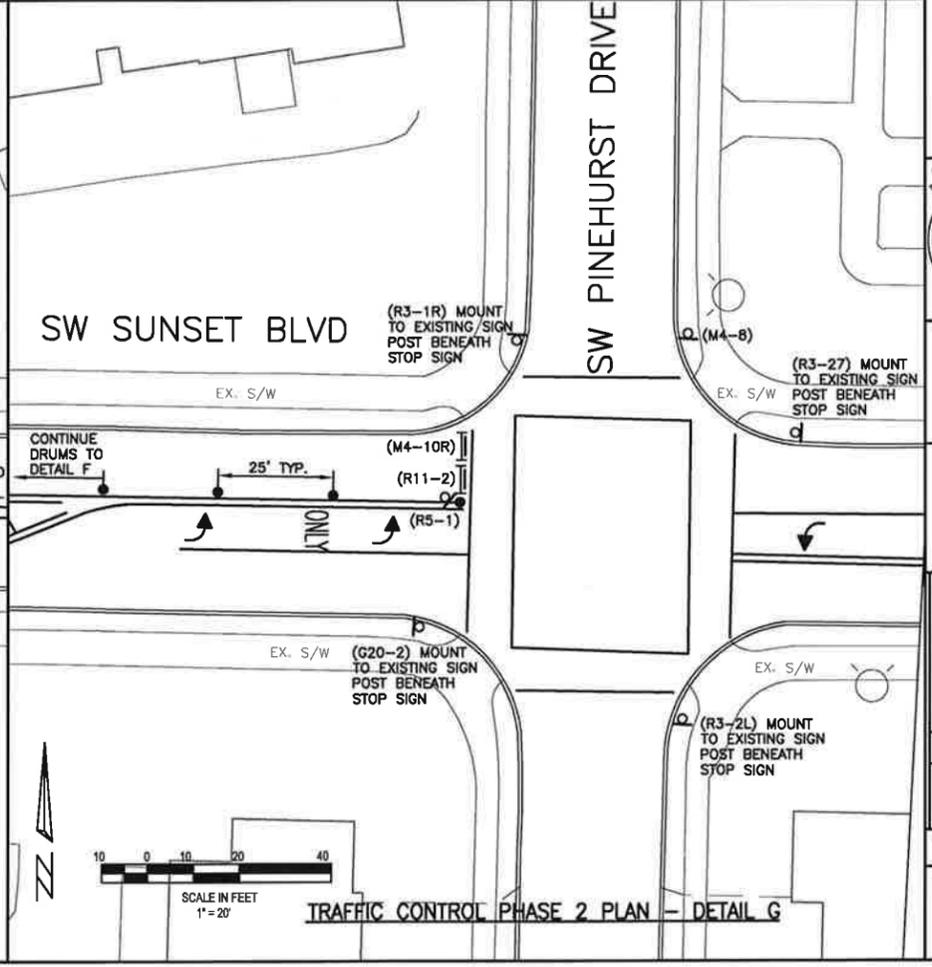
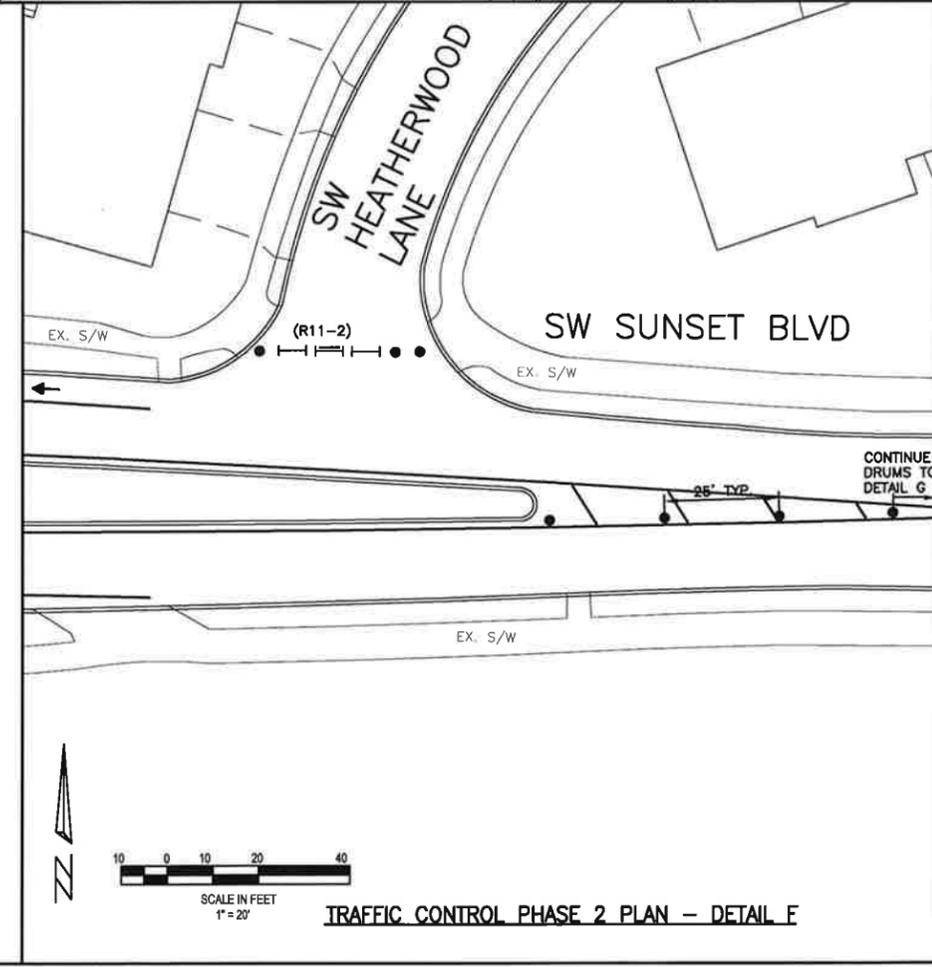
NO.	REVISIONS



TRAFFIC CONTROL LEGEND

- L = LEFT
- R = RIGHT
- TYP = TYPICAL
- = WORK ZONE AREA
- = EXISTING CURB AND GUTTER
- = EXISTING/FINAL PAVEMENT MARKING
- = TYPE III BARRICADE
- = TYPE III BARRICADE WITH SIGN
- = TYPE II BARRICADE WITH SIGN
- = CHANNELIZING DRUM
- = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED

NOTE: SEE SHEET B FOR ADVANCED SIGNAGE AND TRAFFIC CONTROL NOTES.



**SW SUNSET BOULEVARD
TRAFFIC CONTROL (PHASE 2)
DETAILS**

**SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION**

LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.,
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
STATE OF OREGON

CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22560 SW PINE STREET
SHERWOOD, OREGON 97140

PHONE: (503) 925-2309
FAX: (503) 625-0629
E-MAIL: engineering@ci.sherwood.or.us

REGISTERED PROFESSIONAL ENGINEER
CRISTOPHER C. CHURCH
EXPIRES: 12-31-15

DESIGNED BY:	CCC
DRAWN BY:	CCC/MS
CHECKED BY:	LJ/CS
FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015

SUNSET_TRAFFIC CONTROL.DWG

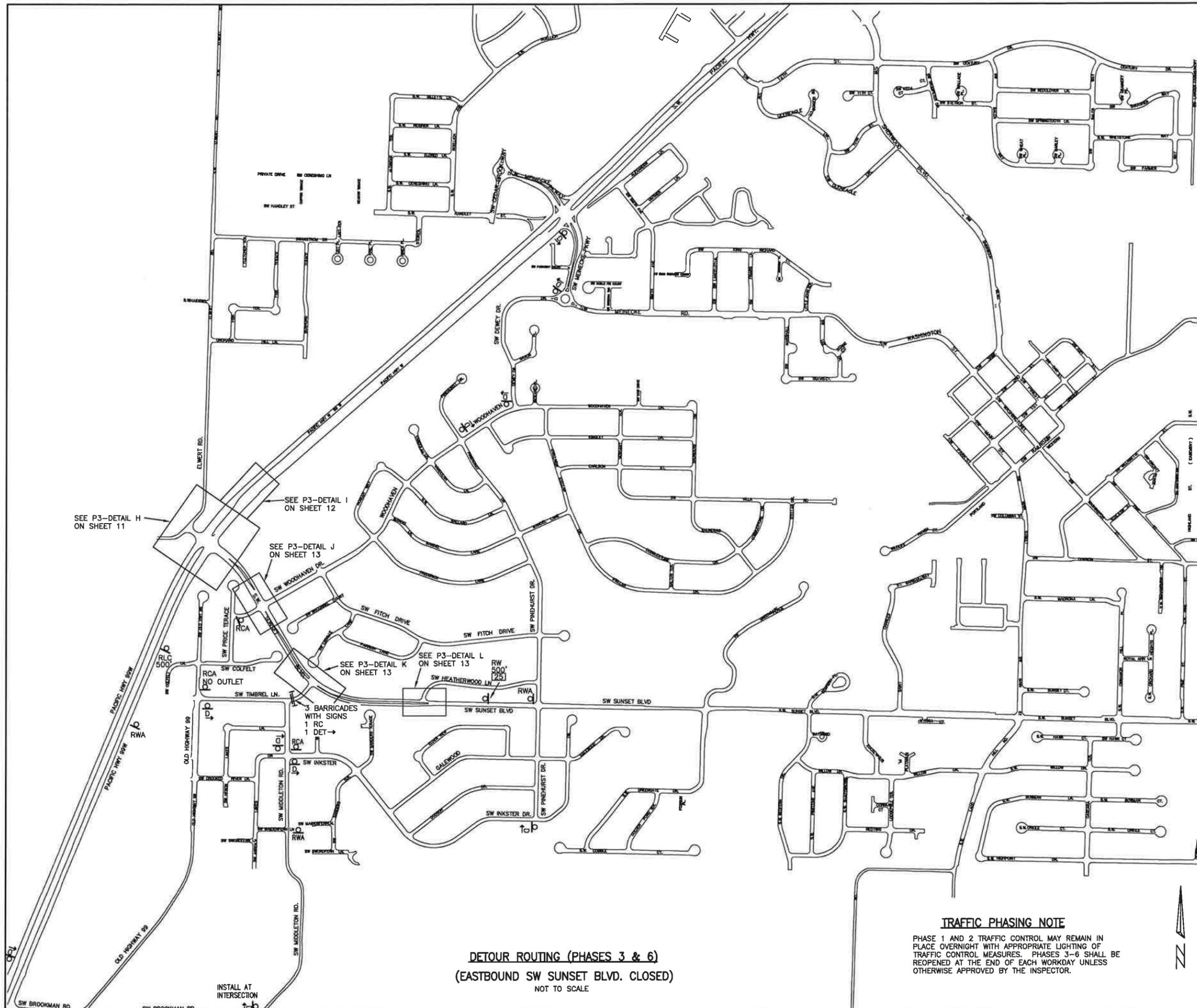
NO.	DESCRIPTION	DATE

REVISIONS

JOB NO. _____

SHEET NO. **9**

OF **19**



TRAFFIC CONTROL LEGEND

- I = TYPE III BARRICADE
- II = TYPE III BARRICADE WITH SIGN
- III = TYPE II BARRICADE WITH SIGN
- = CHANNELIZING DRUM
- bp = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED
- DET. = M4-10, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- D → = M4-9, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- RC = R11-2
- RWA = W20-1 "AHEAD"
- RW 500' = W20-1 "500 FEET"
- [25] = W13-1P "25 MPH"
- RCA = W20-3 "AHEAD"
- RC 500' = W20-3 "500 FEET"
- EW = G20-2
- NO = W14-2 OUTLET
- ED = M4-8A

TRAFFIC CONTROL NOTES

1. COVER EXISTING STREET SIGNS IN CONFLICT WITH TRAFFIC CONTROL PLAN USING METHOD APPROVED BY CITY.
2. EXACT PLACEMENT OF TRAFFIC CONTROL SIGNS WILL BE BASED UPON FIELD CONDITIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTINUED FUNCTION AND SAFETY OF TRAFFIC CONTROL IMPLEMENTED FOR THE CONSTRUCTION OF THE PROJECT. ADDITIONAL TRAFFIC CONTROL MEASURES MAY BE NECESSARY TO INSURE THE SAFETY OF THE WORKERS, DRIVERS, BIKE RIDERS AND PEDESTRIANS.
4. ALL TRAFFIC CONTROL NECESSARY FOR THE COMPLETION OF THE WORK, WHETHER SHOWN ON THIS PLAN OR IN ADDITION TO THE TRAFFIC CONTROL MEASURES SHOWN ON THIS PLAN, INCLUDING FLAGGERS, IS PAID FOR UNDER THE BID ITEM "TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE".
5. AFTER GRINDING TEMPORARY ASPHALT SHALL BE INSTALLED OVER REMAINING ASPHALT SURFACE TO CREATE SMOOTH CROSSWALK. INSTALL ASPHALT WEDGES (12:1 MAX.) AS NECESSARY AT ELEVATION DROPS IN CROSSWALKS (INCIDENTAL).
6. INSTALL TEMPORARY PAVEMENT MARKINGS AT INTERSECTIONS FOR TRAFFIC DELINEATION (INCIDENTAL).
7. THIS TRAFFIC CONTROL PLAN HAS BEEN DEVELOPED TO OBTAIN ODOT PERMIT AND TO GIVE THE CONTRACTOR A CONCEPT AS TO WHAT WILL BE EXPECTED FOR TRAFFIC CONTROL. ORDER OF PHASING OF THIS TRAFFIC CONTROL PLAN OR MODIFICATIONS TO THE TRAFFIC CONTROL PLAN MAY BE PERMITTED AT THE APPROVAL OF THE INSPECTOR.
8. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS"
9. ALL TYPE III BARRICADES THAT ARE OUT AT DARK SHALL HAVE WARNING LIGHTS.
10. IF DRUMS ARE OUT AT DARK, THE 1ST DRUM IN THE DIRECTION OF TRAFFIC FLOW SHALL HAVE A WARNING LIGHT WITH DRUMS ALTERNATING BETWEEN NO LIGHT AND WARNING LIGHT.
11. THE CITY OF SHERWOOD WILL PROVIDE READER BOARDS FOR ADVANCED NOTICE OF UPCOMING ROAD/LANE CLOSURE. COORDINATE TIMING WITH CITY INSPECTOR. READER BOARDS WILL NEED TO BE IN PLACE ONE WEEK PRIOR TO CLOSURE.
12. CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 3 DAYS IN ADVANCE OF ANY ROAD/LANE CLOSURES:
 TUALATIN FIRE AND RESCUE
 SHERWOOD POLICE DEPARTMENT
 SHERWOOD SCHOOL DISTRICT
 UNITED STATES POSTAL SERVICE
 PRIDE DISPOSAL

TRAFFIC PHASING NOTE

PHASE 1 AND 2 TRAFFIC CONTROL MAY REMAIN IN PLACE OVERNIGHT WITH APPROPRIATE LIGHTING OF TRAFFIC CONTROL MEASURES. PHASES 3-6 SHALL BE REOPENED AT THE END OF EACH WORKDAY UNLESS OTHERWISE APPROVED BY THE INSPECTOR.

DETOUR ROUTING (PHASES 3 & 6)
 (EASTBOUND SW SUNSET BLVD. CLOSED)
 NOT TO SCALE

SEE P3-DETAIL H ON SHEET 11

SEE P3-DETAIL I ON SHEET 12

SEE P3-DETAIL J ON SHEET 13

SEE P3-DETAIL K ON SHEET 13

SEE P3-DETAIL L ON SHEET 13

3 BARRICADES WITH SIGNS
 1 RC
 1 DET →

INSTALL AT INTERSECTION

**SW SUNSET BOULEVARD
 TRAFFIC CONTROL DETOUR
 PLAN (PHASES 3 & 6)**

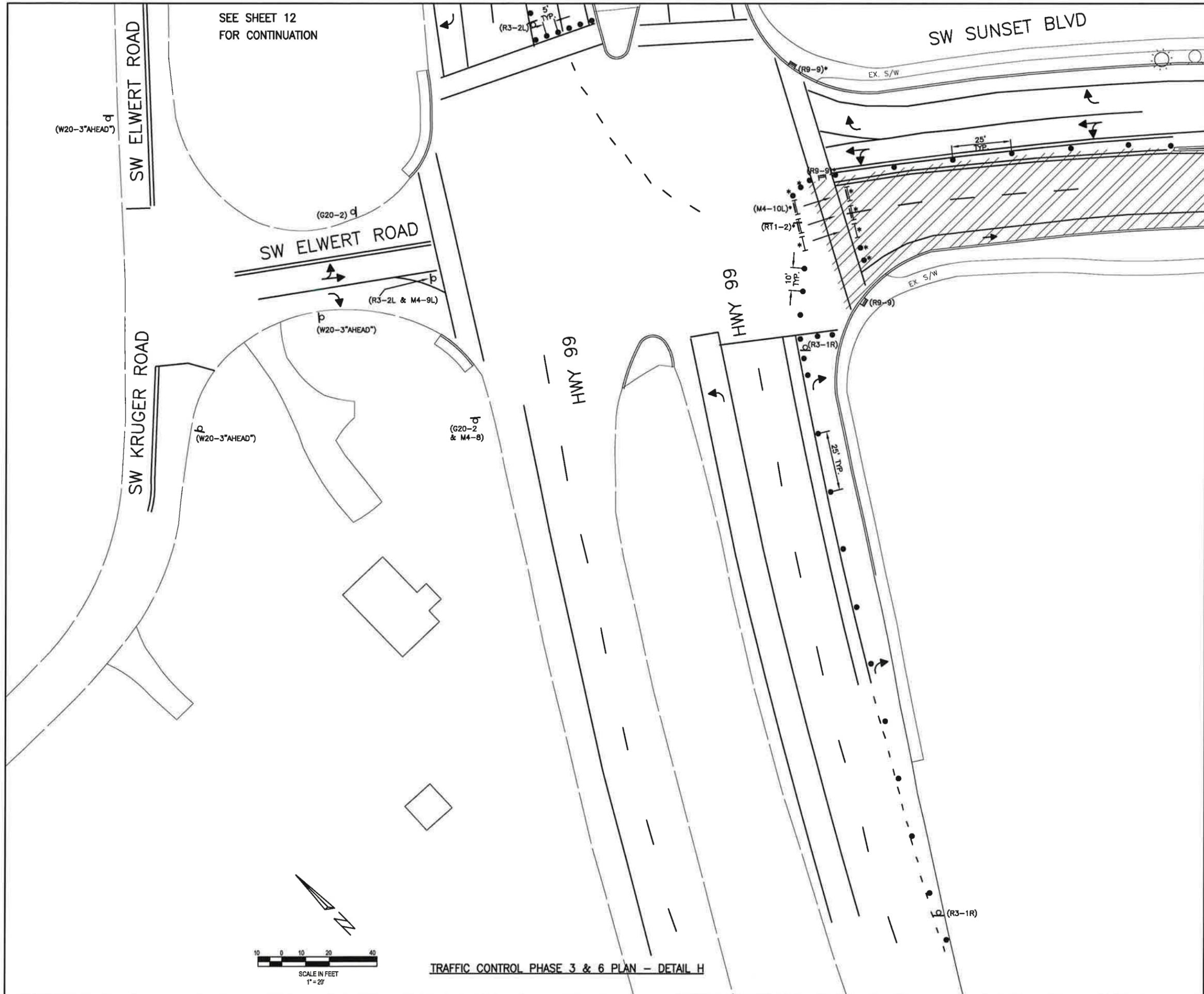
**SUNSET BOULEVARD AND APRIL COURT
 PAVEMENT REHABILITATION**
 LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
 IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
 STATE OF OREGON

**CITY OF SHERWOOD
 ENGINEERING DEPARTMENT
 22560 SW PINE STREET
 SHERWOOD, OREGON 97140**
 PHONE: (503) 925-2309
 FAX: (503) 625-0629
 E-MAIL: engineering@sherwoodoregon.gov



DESIGNED BY:	CCC
DRAWN BY:	CCC/MS
CHECKED BY:	LJCS
FULL SIZE SCALE:	1"=50'
DATE:	APRIL 7, 2015

NO.	DATE	REVISIONS



SEE SHEET 12
FOR CONTINUATION

TRAFFIC CONTROL LEGEND

- L = LEFT
- R = RIGHT
- TYP = TYPICAL
- [Hatched Box] = WORK ZONE AREA
- [Double Line] = EXISTING CURB AND GUTTER
- [Dashed Line] = EXISTING/FINAL PAVEMENT MARKING
- [Vertical Line with Bar] = TYPE III BARRICADE
- [Vertical Line with Bar and Sign] = TYPE III BARRICADE WITH SIGN
- [Vertical Line with Bar and Sign] = TYPE II BARRICADE WITH SIGN
- [Circle with Dot] = CHANNELIZING DRUM
- [Sign Symbol] = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED

NOTE: SEE SHEET 10 FOR ADVANCED SIGNAGE AND TRAFFIC CONTROL NOTES.

* RELOCATE, REMOVE OR ADD BARRICADES/DRUMS AS APPLICABLE ONCE WORK IN THIS AREA IS COMPLETED AND SMOOTH WALKING SURFACE HAS BEEN IMMEDIATELY INSTALLED TO ALLOW USAGE OF EXISTING WALK.

**SW SUNSET BOULEVARD
TRAFFIC CONTROL
(PHASE 3 & 6) DETAILS**

**SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION**
LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
IN THE STATE OF OREGON

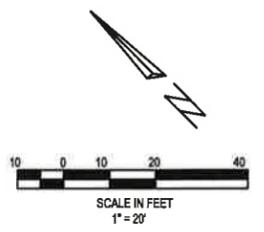
**CITY OF SHERWOOD
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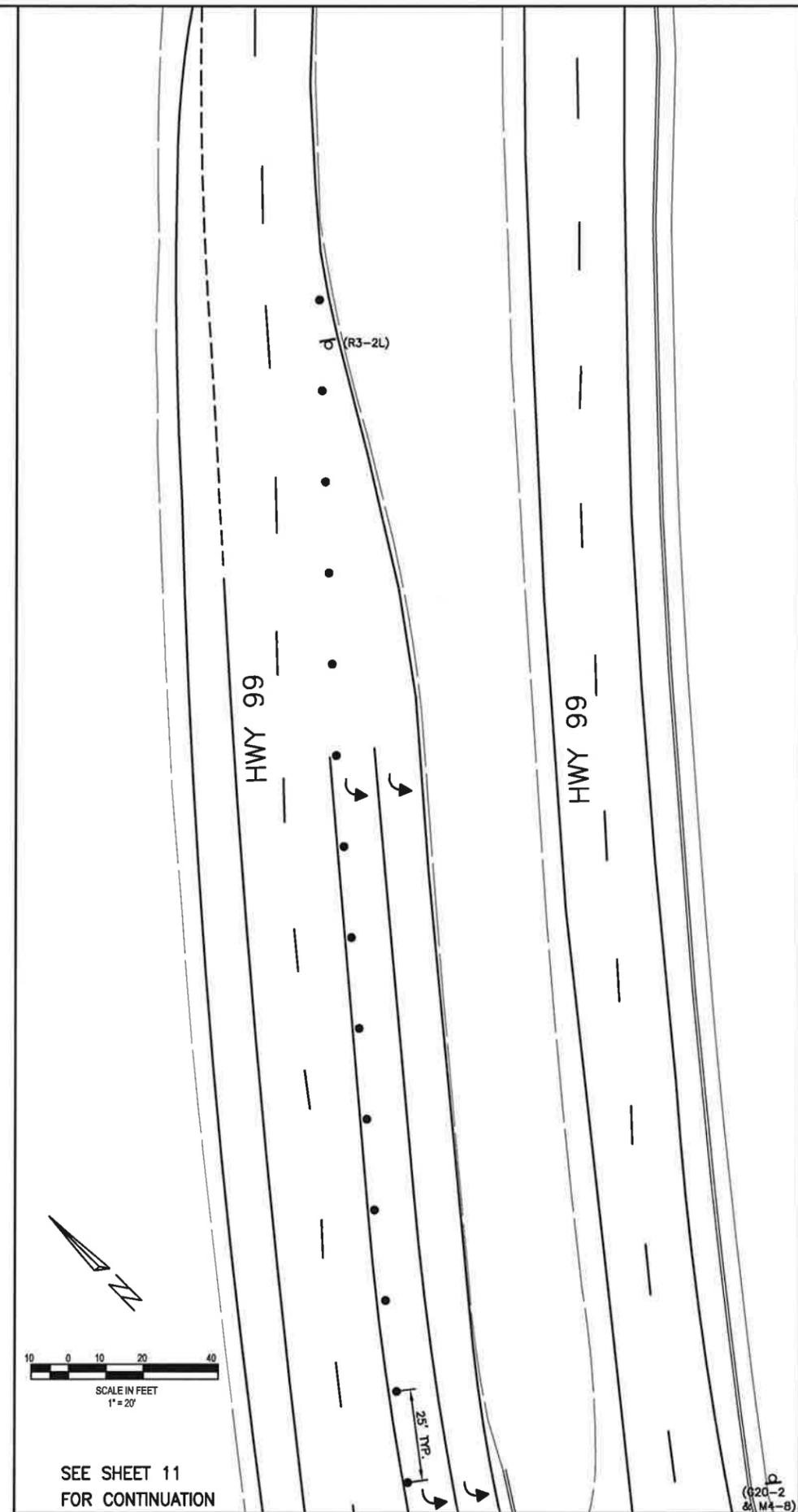
DESIGNED BY:	CCC
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FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SUNSET_TRAFFIC CONTROLING	

REVISIONS	

JOB NO.	
SHEET NO.	11
OF	19



TRAFFIC CONTROL PHASE 3 & 6 PLAN - DETAIL H



SCALE IN FEET
1" = 20'

SEE SHEET 11
FOR CONTINUATION

TRAFFIC CONTROL PHASE 3 & 6 PLAN - DETAIL I

TRAFFIC CONTROL LEGEND

- L = LEFT
- R = RIGHT
- TYP = TYPICAL
- = WORK ZONE AREA
- = EXISTING CURB AND GUTTER
- = EXISTING/FINAL PAVEMENT MARKING
- = TYPE III BARRICADE
- = TYPE III BARRICADE WITH SIGN
- = TYPE II BARRICADE WITH SIGN
- = CHANNELIZING DRUM
- = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED

NOTE: SEE SHEET 10 FOR ADVANCED SIGNAGE AND TRAFFIC CONTROL NOTES.

SW SUNSET BOULEVARD
TRAFFIC CONTROL
(PHASE 3 & 6) DETAILS

SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION
LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
STATE OF OREGON

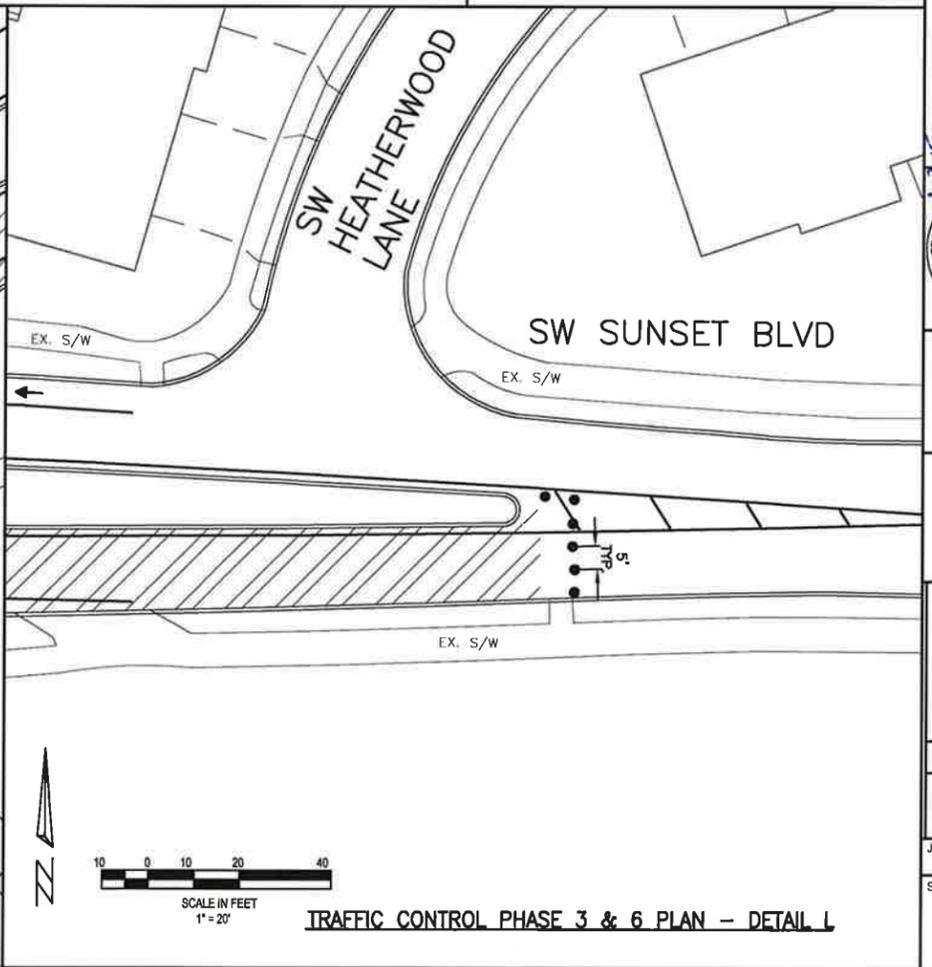
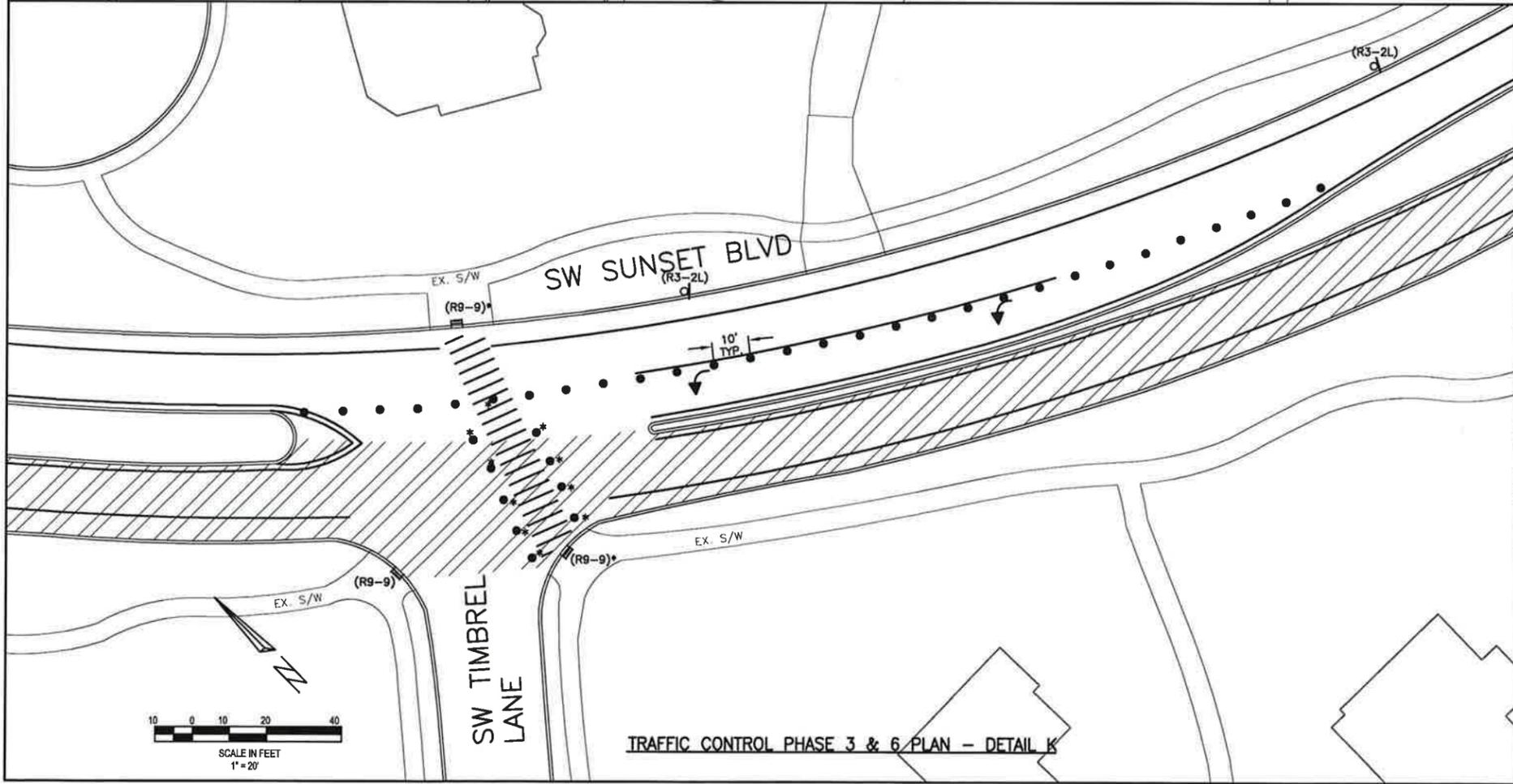
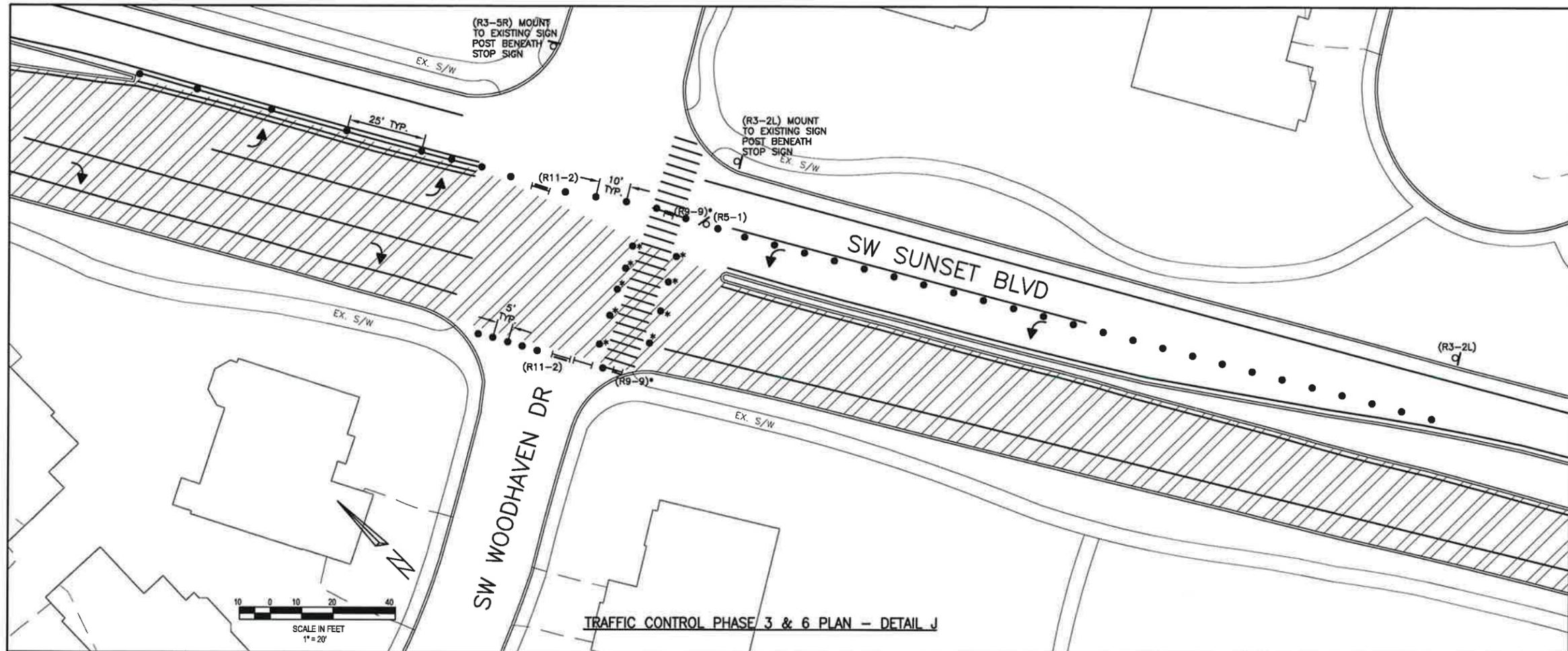
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FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SUNSET_TRAFFIC CONTROL.DWG	

NO.	DATE	REVISIONS

JOB NO.	
SHEET NO.	12
OF	19



TRAFFIC CONTROL LEGEND

L = LEFT
 R = RIGHT
 TYP = TYPICAL

= WORK ZONE AREA

= EXISTING CURB AND GUTTER

= EXISTING/FINAL PAVEMENT MARKING

= TYPE III BARRICADE

= TYPE III BARRICADE WITH SIGN

= TYPE II BARRICADE WITH SIGN

= CHANNELIZING DRUM

= SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED

NOTE: SEE SHEET 10 FOR ADVANCED SIGNAGE AND TRAFFIC CONTROL NOTES.

* RELOCATE, REMOVE OR ADD BARRICADES/DRUMS AS APPLICABLE ONCE WORK IN THIS AREA IS COMPLETED AND SMOOTH WALKING SURFACE HAS BEEN IMMEDIATELY INSTALLED TO ALLOW USAGE OF EXISTING WALK.

SW SUNSET BOULEVARD TRAFFIC CONTROL (PHASE 3 & 6) DETAILS

SUNSET BOULEVARD AND APRIL COURT PAVEMENT REHABILITATION

LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

CITY OF SHERWOOD ENGINEERING DEPARTMENT
 2260 SW PINE STREET
 SHERWOOD, OREGON 97140

PHONE: (503) 925-2309
 FAX: (503) 625-0629
 E-MAIL: engineering@sherwoodoregon.gov

EXPRESSES: 12-31-15

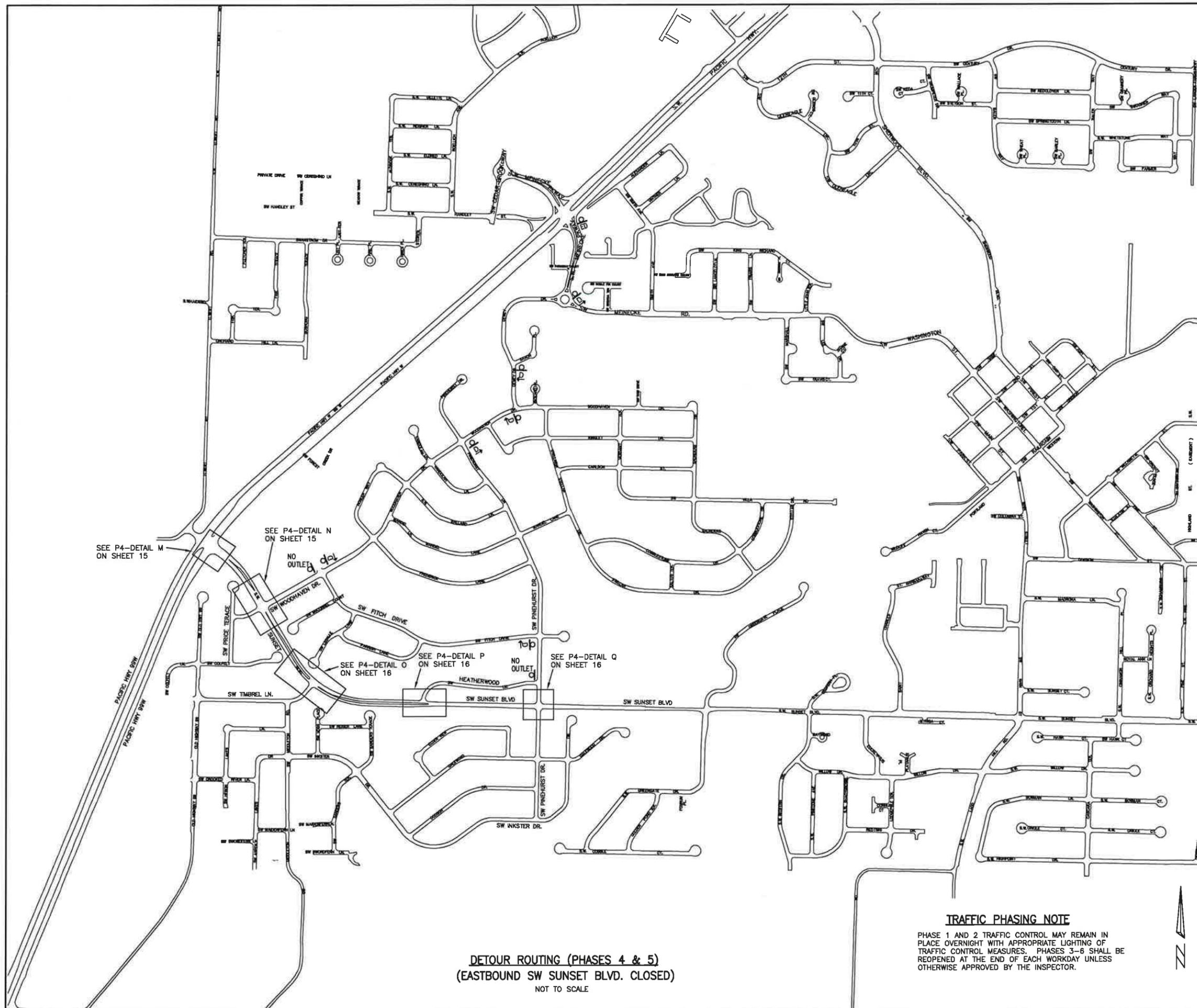
DESIGNED BY:	CCC
DRAWN BY:	CCC/ANS
CHECKED BY:	L/V/S
FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SUNSET_TRAFFIC CONTROL.DWG	

NO.	REVISIONS

JOB NO. _____

SHEET NO. **13**

OF 19



TRAFFIC CONTROL LEGEND

- I = TYPE III BARRICADE
- II = TYPE III BARRICADE WITH SIGN
- III = TYPE II BARRICADE WITH SIGN
- = CHANNELIZING DRUM
- ⊥ = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED
- DET. → = M4-10, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- D → = M4-9, CONTRACTOR TO VERIFY IF LEFT OR RIGHT IS NEEDED
- RC = R11-2
- RWA = W20-1 "AHEAD"
- RW 500' = W20-1 "500 FEET"
- [25] = W13-1P "25 MPH"
- RCA = W20-3 "AHEAD"
- RC 500' = W20-3 "500 FEET"
- EW = G20-2
- NO = W14-2
- OUTLET
- ED = M4-8A

TRAFFIC CONTROL NOTES

1. COVER EXISTING STREET SIGNS IN CONFLICT WITH TRAFFIC CONTROL PLAN USING METHOD APPROVED BY CITY.
2. EXACT PLACEMENT OF TRAFFIC CONTROL SIGNS WILL BE BASED UPON FIELD CONDITIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTINUED FUNCTION AND SAFETY OF TRAFFIC CONTROL IMPLEMENTED FOR THE CONSTRUCTION OF THE PROJECT. ADDITIONAL TRAFFIC CONTROL MEASURES MAY BE NECESSARY TO INSURE THE SAFETY OF THE WORKERS, DRIVERS, BIKE RIDERS AND PEDESTRIANS.
4. ALL TRAFFIC CONTROL NECESSARY FOR THE COMPLETION OF THE WORK, WHETHER SHOWN ON THIS PLAN OR IN ADDITION TO THE TRAFFIC CONTROL MEASURES SHOWN ON THIS PLAN, INCLUDING FLAGGERS, IS PAID FOR UNDER THE BID ITEM "TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE".
5. AFTER GRINDING TEMPORARY ASPHALT SHALL BE INSTALLED OVER REMAINING ASPHALT SURFACE TO CREATE SMOOTH CROSSWALK. INSTALL ASPHALT WEDGES (12:1 MAX.) AS NECESSARY AT ELEVATION DROPS IN CROSSWALKS (INCIDENTAL).
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12. CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 3 DAYS IN ADVANCE OF ANY ROAD/LANE CLOSURES:
 TUALATIN FIRE AND RESCUE
 SHERWOOD POLICE DEPARTMENT
 SHERWOOD SCHOOL DISTRICT
 UNITED STATES POSTAL SERVICE
 PRIDE DISPOSAL

TRAFFIC PHASING NOTE

PHASE 1 AND 2 TRAFFIC CONTROL MAY REMAIN IN PLACE OVERNIGHT WITH APPROPRIATE LIGHTING OF TRAFFIC CONTROL MEASURES. PHASES 3-6 SHALL BE REOPENED AT THE END OF EACH WORKDAY UNLESS OTHERWISE APPROVED BY THE INSPECTOR.

DETOUR ROUTING (PHASES 4 & 5)
 (EASTBOUND SW SUNSET BLVD. CLOSED)
 NOT TO SCALE

**SW SUNSET BOULEVARD
 TRAFFIC CONTROL DETOUR
 PLAN (PHASES 4 & 5)**

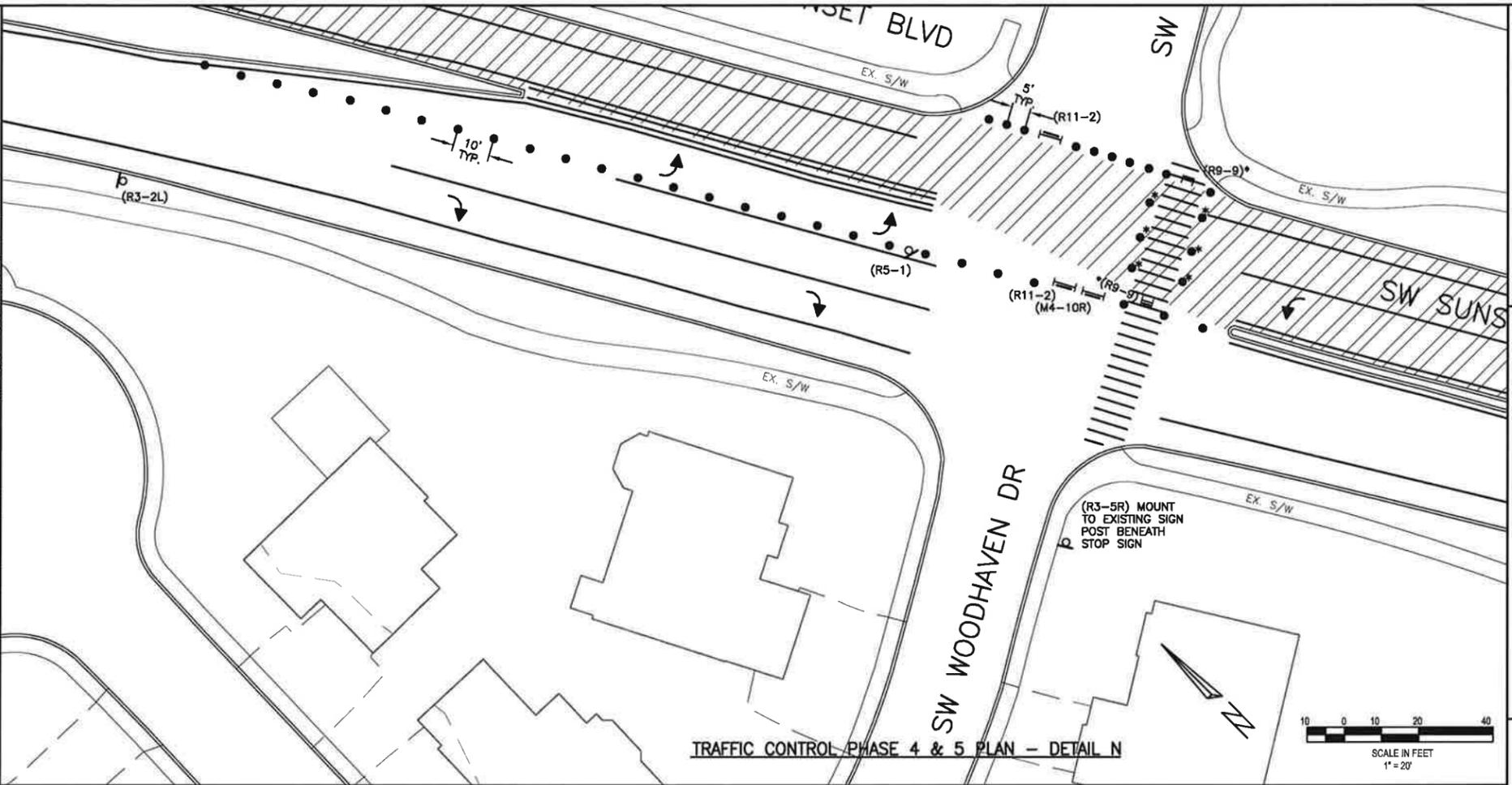
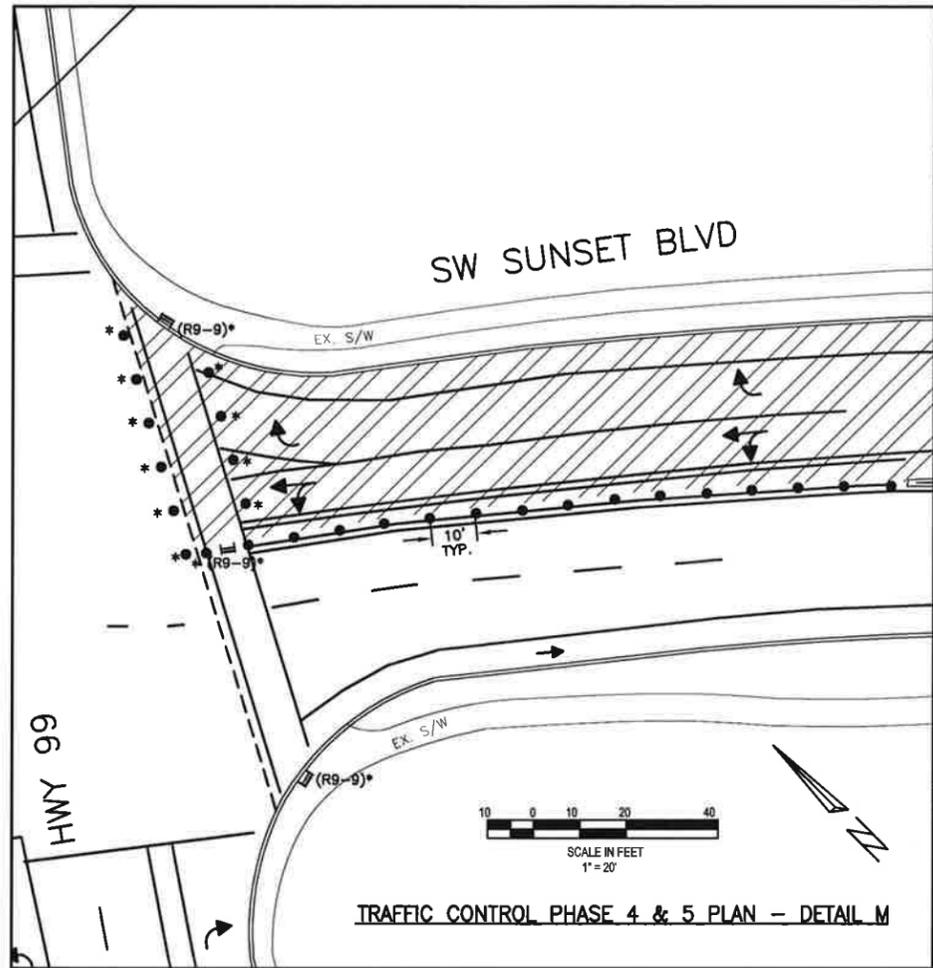
**SUNSET BOULEVARD AND APRIL COURT
 PAVEMENT REHABILITATION**
 LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.,
 IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,
 STATE OF OREGON

**CITY OF SHERWOOD
 ENGINEERING DEPARTMENT**
 22560 SW PINE STREET
 SHERWOOD, OREGON 97140
 PHONE: (503) 925-2309
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DESIGNED BY:	CCC
DRAWN BY:	CCC/MS
CHECKED BY:	L/VCS
FULL SIZE SCALE:	1"=30'
DATE:	APRIL 7, 2015
SUNSET_TRAFFIC CONTROL.DWG	

NO.	REVISIONS



TRAFFIC CONTROL LEGEND

- L = LEFT
- R = RIGHT
- TYP = TYPICAL
- = WORK ZONE AREA
- = EXISTING CURB AND GUTTER
- = EXISTING/FINAL PAVEMENT MARKING
- = TYPE III BARRICADE
- = TYPE III BARRICADE WITH SIGN
- = TYPE II BARRICADE WITH SIGN
- = CHANNELIZING DRUM
- = SIGN ON NEW POST UNLESS EXISTING POST SPECIFIED

NOTE: SEE SHEET 14 FOR ADVANCED SIGNAGE AND TRAFFIC CONTROL NOTES.

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SW SUNSET BOULEVARD
TRAFFIC CONTROL
(PHASE 4 & 5) DETAILS

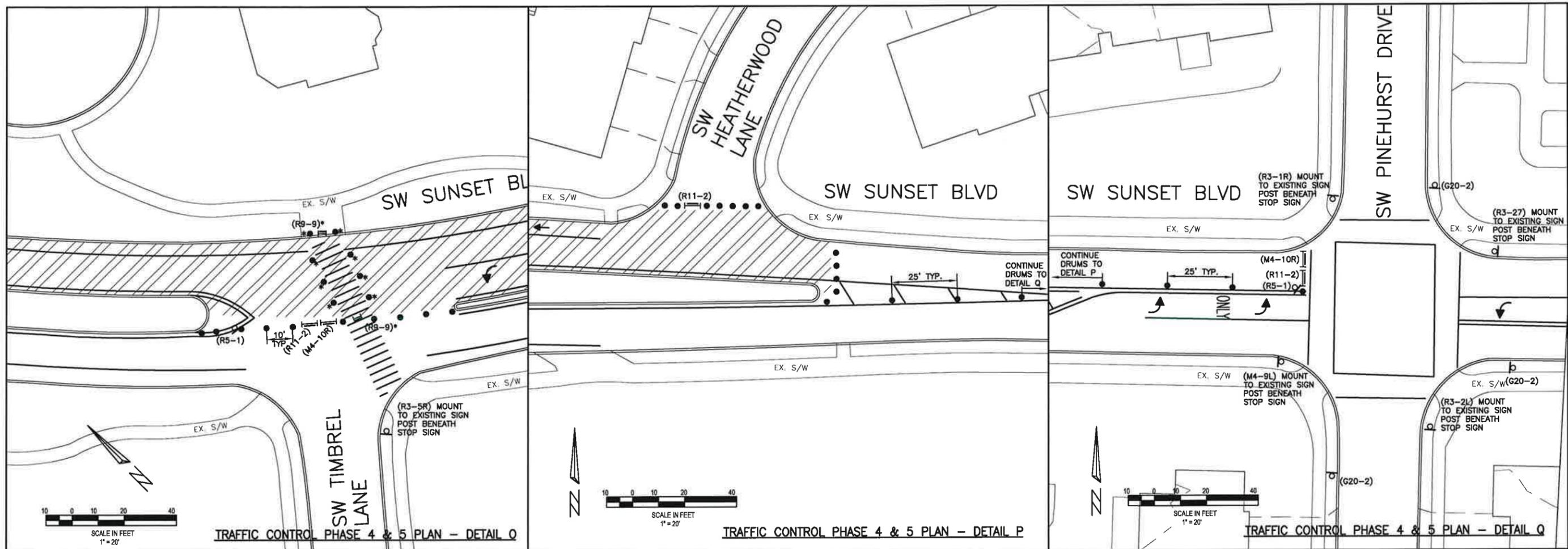
SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION
LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W.M.
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FULL SIZE SCALE:	1"=30'
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SUNSET_TRAFFIC CONTROL.DWG	

NO.	REVISIONS



TRAFFIC CONTROL LEGEND

- L = LEFT
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NOTE: SEE SHEET 14 FOR ADVANCED SIGNAGE AND TRAFFIC CONTROL NOTES.

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SW SUNSET BOULEVARD
TRAFFIC CONTROL
(PHASE 4 & 5) DETAILS

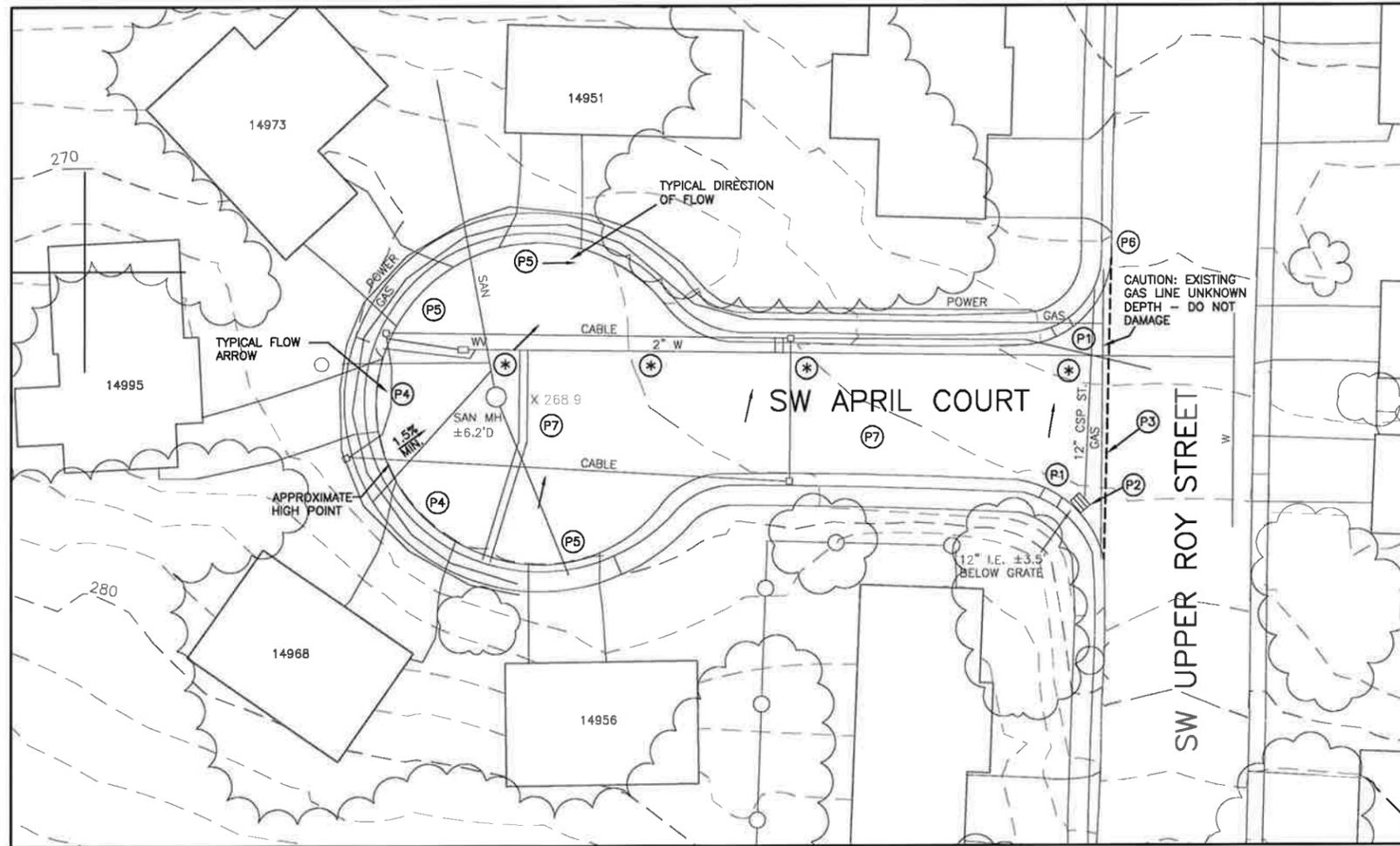
SUNSET BOULEVARD AND APRIL COURT
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SUNSET_TRAFFIC CONTROL.DWG	

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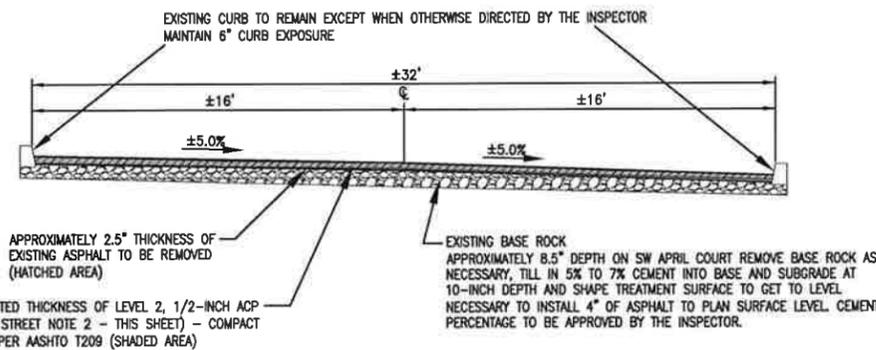
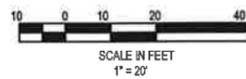


STREET NOTES

1. CONTRACTOR SHALL NOTIFY ADJACENT HOMEOWNERS AT LEAST 2 DAYS IN ADVANCE OF ANY DRIVEWAY ACCESS RESTRICTIONS.
2. CONTRACTOR SHALL WORK WITH HOMEOWNERS TO MAINTAIN ACCESS THROUGHOUT CONSTRUCTION.
3. CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES.
4. SW APRIL COURT SHALL BE COMPLETELY OPEN AT THE END OF EACH WORKDAY.
5. CONSTRUCTION HOURS FOR SW APRIL COURT ARE FROM 8:30AM TO 6:00PM MONDAY THROUGH FRIDAY.
6. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE INSPECTOR FOR APPROVAL PRIOR TO CONSTRUCTION.
7. ANY DROP IN PAVEMENT OR DRIVEWAY IN EXCESS OF 1 INCH SHALL REQUIRE A TEMPORARY WEDGE FOR ACCESS.

PAVING NOTES

- (P1) BLEND NEW ASPHALT TO MATCH SIDEWALK RAMP. NO LIP.
- (P2) REMOVE EXISTING INLET AND CURB AS NECESSARY (3' MIN. ON EACH SIDE OF EXISTING INLET). INSTALL NEW CATCH BASIN IN ACCORDANCE WITH DETAILS SS-40, SS-41 AND SS-42. INSTALL SILT SACK IN CATCH BASIN. EXISTING STORM SEWER TO REMAIN. DO NOT DAMAGE.
- (P3) SAW CUT AT LOCATION APPROVED BY THE INSPECTOR.
- (P4) LEAVE 1/2" LIP AT DRIVEWAY.
- (P5) LEAVE 3/4" LIP AT DRIVEWAY.
- (P6) INSTALL BIOBAG IN GUTTER LINE.
- (P7) CEMENT TREAT BASE AND OVERLAY SEE TYPICAL SECTION RIGHT.
- (*) EXISTING WATER LINE IS ANTICIPATED TO BE CONSTRUCTED IN MAY, 2015. CONTRACTOR SHALL NOT BEGIN SW APRIL COURT PAVING PROJECT UNTIL WORK ON WATER LINE HAS BEEN COMPLETED.



SW APRIL COURT TYPICAL STREET SECTION

NOT TO SCALE

SUNSET BOULEVARD AND APRIL COURT
PAVEMENT REHABILITATION
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REVISIONS	

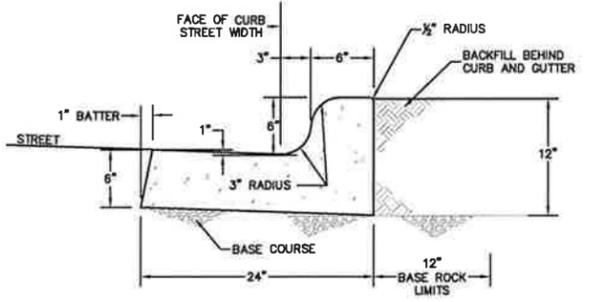
NOTES:

- WHEN RAINFALL AND RUNOFF OCCURS DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE CUTFALLS MUST BE PROVIDED BY SOME ONE KNOWLEDGEABLE AND EXPERIENCED IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS WHO WORKS FOR THE PERMITTEE.
- CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31 EACH YEAR.
- DURING WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.
- SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
- ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. UNLESS OTHERWISE APPROVED, A SURFACE MOUNTED AND ATTACHABLE, U-SHAPED FILTER BAG IS REQUIRED FOR ALL CURB INLET CATCH BASINS.
- SIGNIFICANT AMOUNTS OF SEDIMENT WHICH LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A REOCCURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LAWS REQUIRED TIME FRAME.
- SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.
- SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3RD THE BARRIER HEIGHT, AND PRIOR TO THE CONTROL MEASURES REMOVAL.
- CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
- ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
- THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
- OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE, AND FEDERAL REGULATIONS.
- PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
- PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPs THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPs MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
- IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST; THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.
- WATER-TIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPs; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
- ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).
- THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
- THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
- WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
- IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPs MUST BE USED WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
- ALL EXPOSED SOILS MUST BE COVERED DURING WET WEATHER PERIOD.



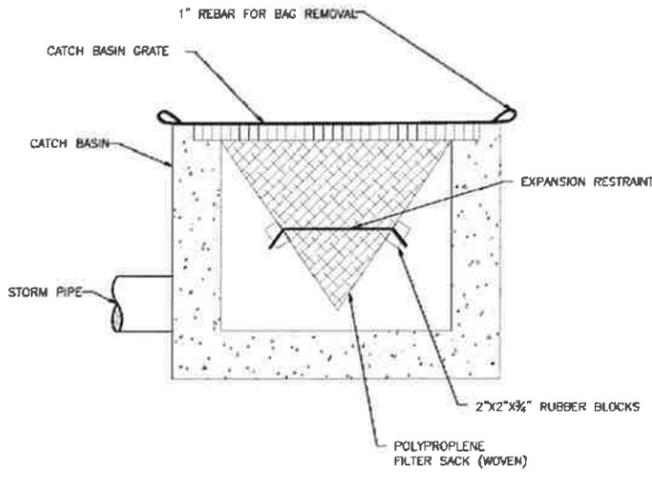
STANDARD DRAWING TITLE		DRAWING NUMBER
STANDARD EROSION CONTROL NOTES FOR SITES LESS THAN 1 ACRE		ESC-30
SCALE		DATE
N.T.S.		JUL' 09

Any alteration of this drawing may not be considered in any way with the City of Sherwood Standard Drawings.



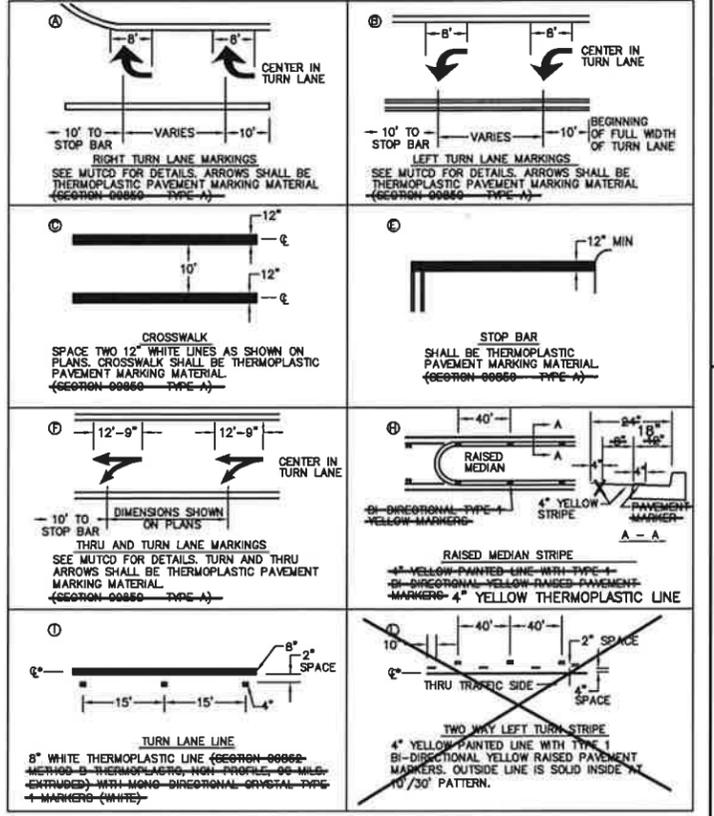
- NOTES:**
- MONOLITHIC CURB AND GUTTER SHALL BE USED ON ALL NEW ROADWAY SECTIONS, EXCEPT AT ROADWAY MEDIANS AND AT MOUNTABLE CURB SECTIONS (SEE STD DET RD-21 & RD-24 FOR THESE CONDITIONS). CONCRETE SHALL BE COMMERCIAL MIX, WITH A 28-DAY COMPRESSIVE STRENGTH OF 3300 PSI, WITH A SLUMP RANGE OF 1 1/2" TO 3" MAX.
 - EXPANSION JOINTS TO BE PROVIDED AT EACH:
 - POINT OF TANGENCY.
 - COLD JOINT.
 - SIDE OF INLET STRUCTURES.
 - SIDE OF DRIVEWAYS.
 - EXPANSION JOINT MATERIAL SHALL BE PRE-MOLDED, ASPHALT IMPREGNATED, NON-EXTRUDING, WITH A THICKNESS OF 3/4".
 - CONTRACTION JOINTS SHALL HAVE:
 - SPACING OF NOT MORE THAN 15 FEET.
 - DEPTH OF JOINT OF AT LEAST 1 1/2".
 - BASE ROCK SHALL BE 3/4"-0", COMPACTED TO 95% OF MAXIMUM DENSITY PER AASHTO T-180. BASE ROCK SHALL BE TO SUBGRADE OF STREET STRUCTURES OR 4", WHICHEVER IS GREATER, AND SHALL EXTEND 12" BEHIND CURB.
 - FOR CURB AND GUTTER REQUIREMENTS ON SHED AND SUPERELEVATED ROAD SECTIONS, SEE STD DET RD-23.

STANDARD DRAWING TITLE		DRAWING NUMBER
STANDARD MONOLITHIC CURB AND GUTTER		RD-22
SCALE		DATE
N.T.S.		JUL' 09



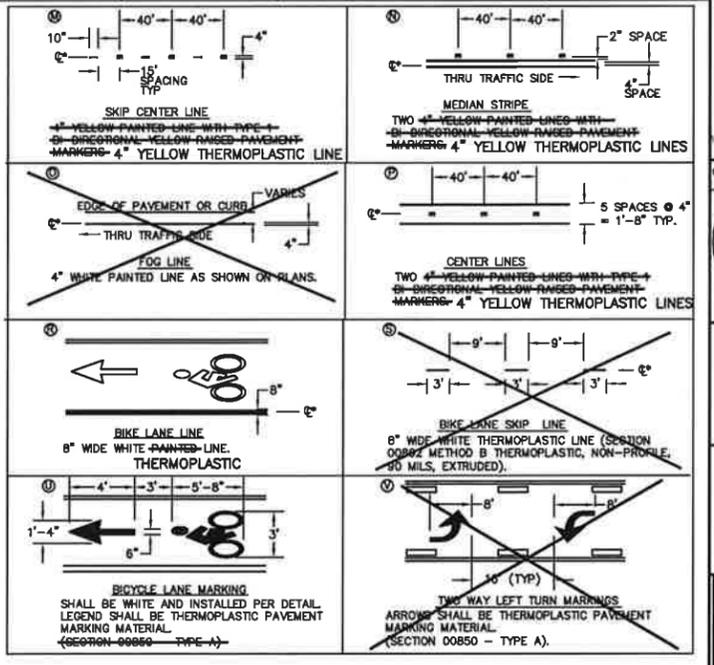
- NOTE:**
- RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACKS TO BE DETERMINED BY MANUFACTURER.
- FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

STANDARD DRAWING TITLE		DRAWING NUMBER
INLET PROTECTION - TYPE 5		ESC-25
SCALE		DATE
N.T.S.		JUL' 09



* LANE MARKING DIMENSION LOCATION AT 1/2 OF STRIPING UNLESS NOTED OTHERWISE. SEE DRAWING NUMBER S-4 FOR STRIPING NOTES.

STANDARD DRAWING TITLE		DRAWING NUMBER
STRIPING DETAILS		S-3
SCALE		DATE
N.T.S.		JUL' 09



- NOTES:**
- LOCATE STOP BARS 10' BACK OF THE EXTENDED FOG LINE, EDGE OF PAVEMENT, OR CURB FACE. VERIFY SIGHT DISTANCE.
 - LOCATE CROSSWALKS AS PER WHEELCHAIR RAMP LOCATIONS OR 5' BACK OF EXTENDED FOG LINE, EDGE OF PAVEMENT OR CURB FACE.
 - REMOVAL OF EXISTING STRIPING IS TO BE DETERMINED IN THE FIELD AND IS CONSIDERED INCIDENTAL WORK. STRIPING SHALL BE GROUND OFF AS DIRECTED BY THE ENGINEER.
 - ALL THERMOPLASTIC PAVEMENT MARKING MATERIAL SHALL BE INSTALLED AS PER SECTION 008520 AND 00862 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, (2002).
 - ALL PAINTED LINES SHALL CONFORM TO THE MOST CURRENT ODOT SPECIFICATIONS FOR BEAD BINDER PAINT AS LISTED IN ODOT'S QPL.

STANDARD DRAWING TITLE		DRAWING NUMBER
STRIPING DETAILS II		S-4
SCALE		DATE
N.T.S.		JUL' 09

CITY OF SHERWOOD

SUNSET BOULEVARD AND APRIL COURT PAVEMENT REHABILITATION

CITY OF SHERWOOD

ENGINEERING DEPARTMENT
SHERWOOD, OREGON 97140

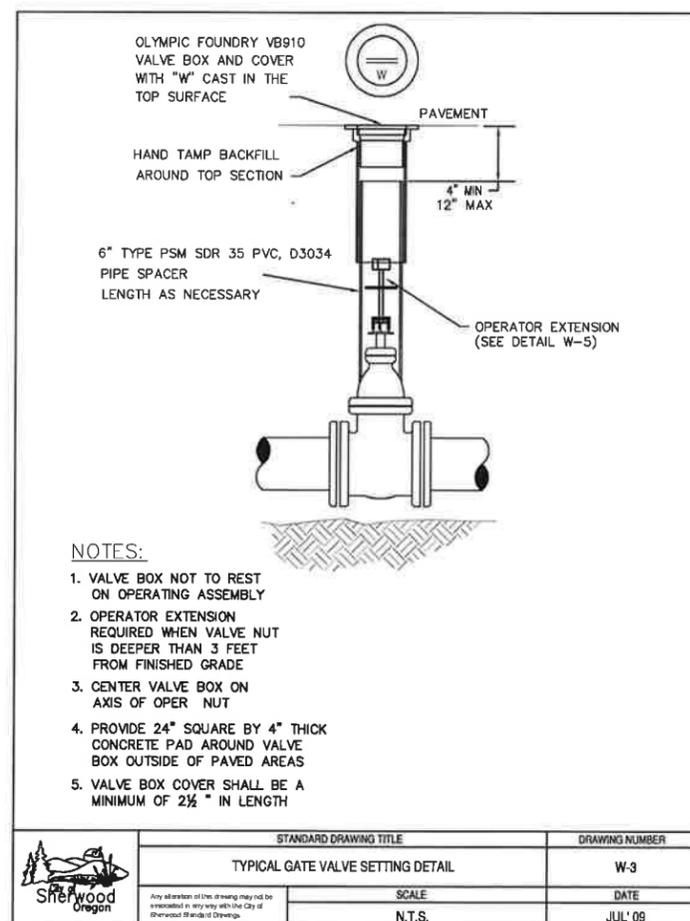
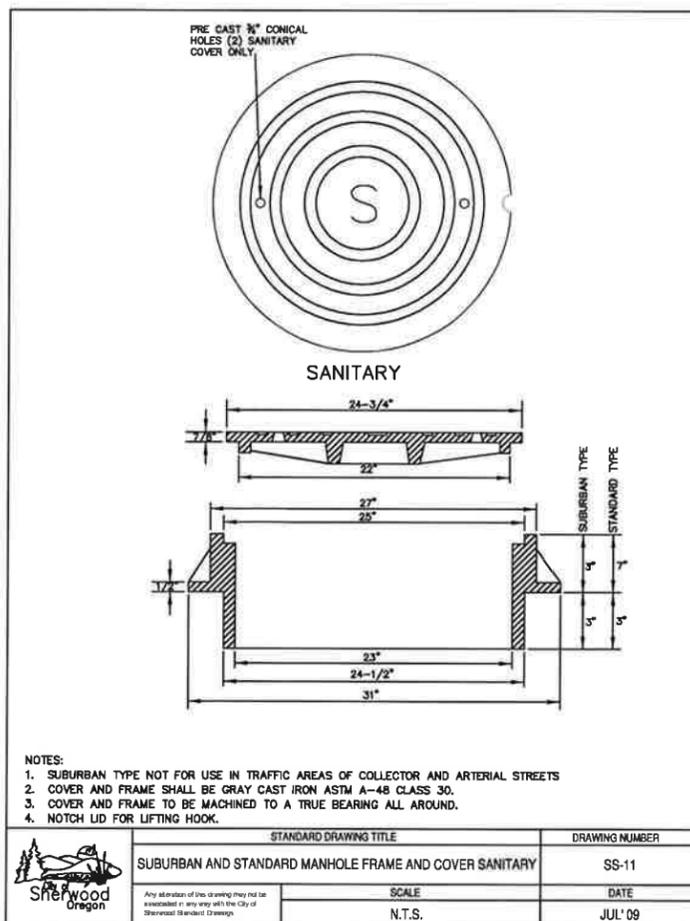
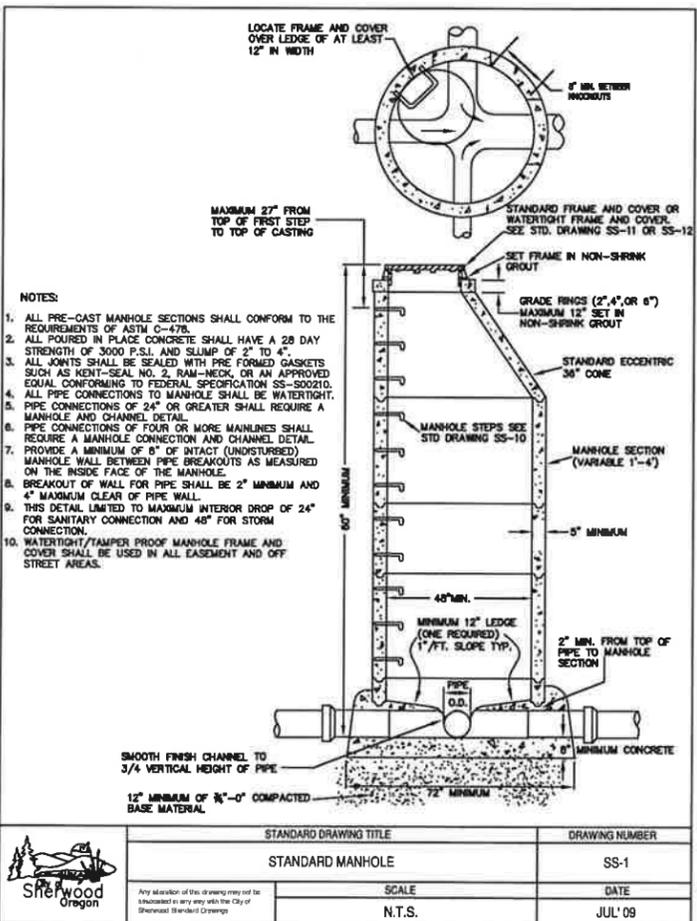
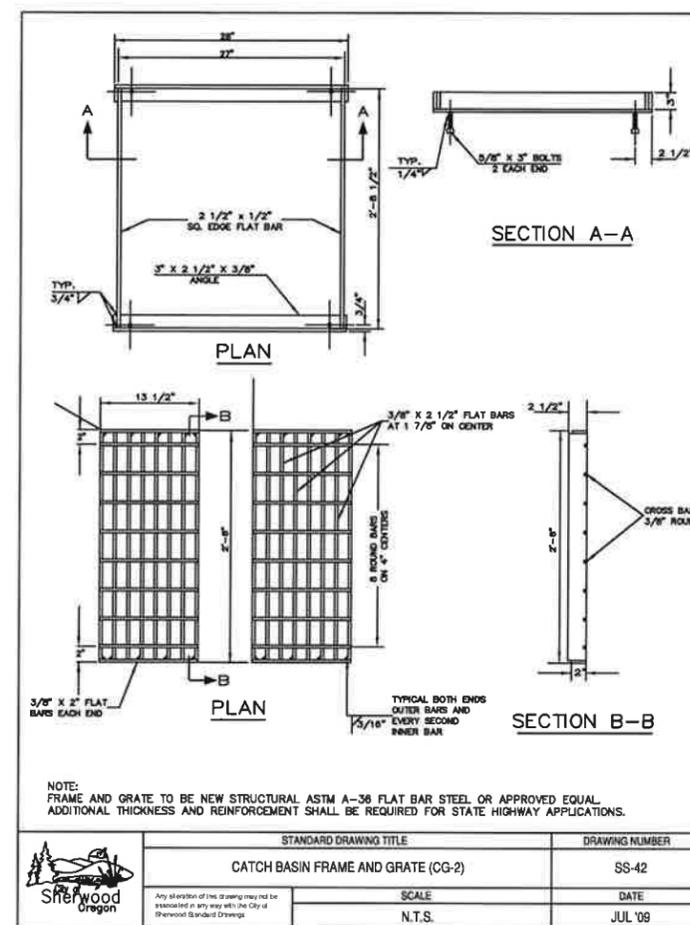
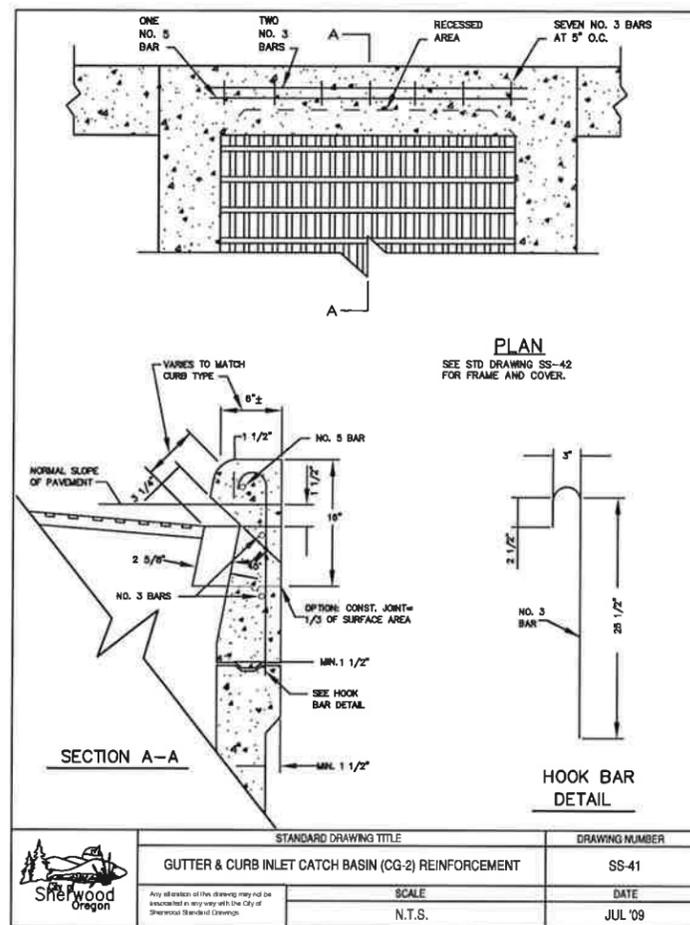
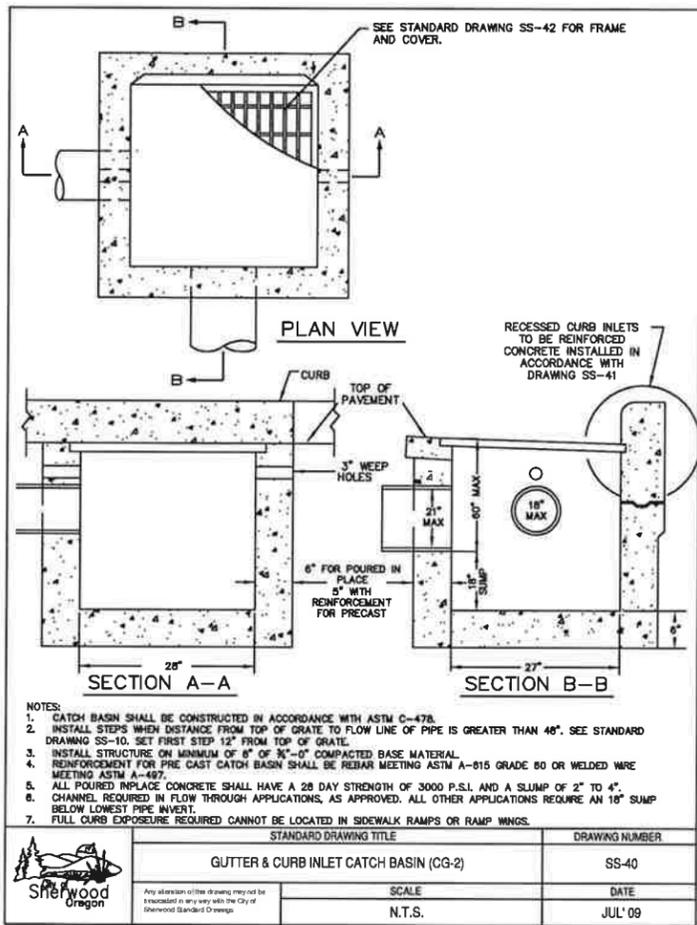
PHONE: (503) 925-2309
FAX: (503) 625-0629
E-MAIL: engineering@sherwoodoregon.gov

DESIGNED BY: []
DRAWN BY: []
CHECKED BY: []
FULL SIZE SCALE: []
DATE: APRIL 7, 2015
SUNSET_SHEETS

REVISIONS

JOB NO. []

SHEET NO. 18 OF 19



CITY OF SHERWOOD DETAILS

SUNSET BOULEVARD AND APRIL COURT PAVEMENT REHABILITATION

LOCATED IN SECTIONS 31C AND 32AD, T2S, R1W, W1M, IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

CITY OF SHERWOOD ENGINEERING DEPARTMENT 22560 SW PINE STREET SHERWOOD, OREGON 97140

PHONE: (503) 925-2309 FAX: (503) 625-0528 E-MAIL: engineering@sherwoodoregon.gov

REGISTERED PROFESSIONAL ENGINEER CIVIL ENGINEER

EXPIRES: 12-31-15

DESIGNED BY:	CCC
DRAWN BY:	AS
CHECKED BY:	LJ/CS
FULL SIZE SCALE:	AS NOTED
DATE:	APRIL 7, 2015
SUNSET SHEETS	
JOB NO.	
SHEET NO.	19
REV.	
REVISIONS	