

# CITY OF SHERWOOD

## 6029 - 6031, SUMMER 2013 PAVEMENT REHABILITATION

MAY 2013

(BID DOCUMENT VOLUME 2 OF 2 - CONTRACT DRAWINGS)

**SHEET INDEX:**

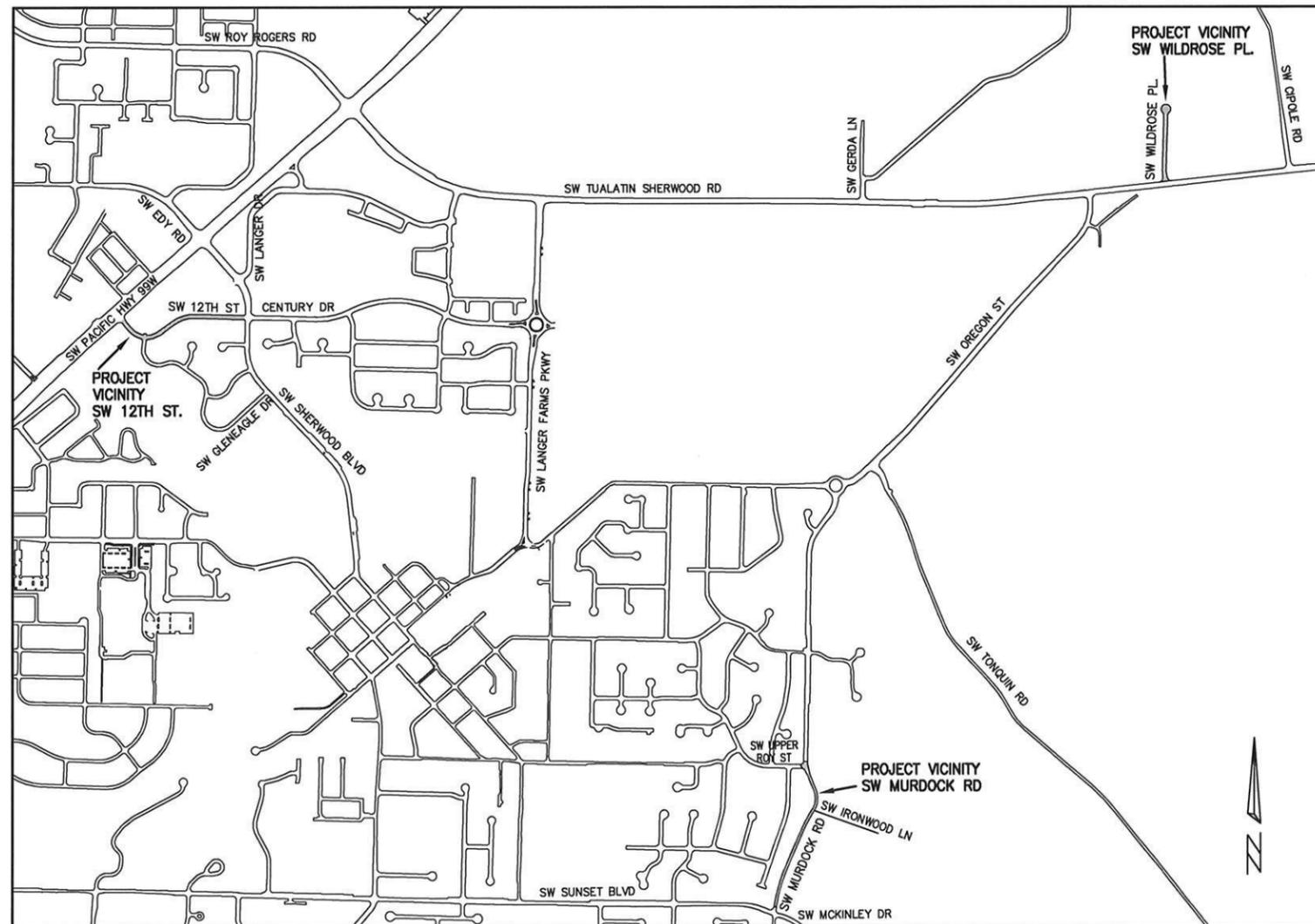
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**PROJECT LOCATION:**

SW 12TH STREET - HWY 99W TO SW SHERWOOD BLVD  
 SW MURDOCK ROAD - SW SUNSET TO SW UPPER ROY  
 AND SW WILDROSE PLACE - TUALATIN SHERWOOD RD TO END  
 IN THE CITY OF SHERWOOD

**DEVELOPER/OWNER:**

CITY OF SHERWOOD  
 22560 SW PINE ST  
 SHERWOOD, OREGON 97140  
 CONTACT: LYNN JOHNSON  
 PH. 503-925-2311  
 JOHNSONL@SHERWOODOREGON.GOV



**VICINITY MAP**  
NOT TO SCALE

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.



**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

**6029-6031, SUMMER 2013  
 PAVEMENT REHABILITATION**

LOCATED IN SECTIONS 30DD AND  
 29CC, 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](mailto:engineering@sherwoodoregon.gov)



DESIGNED BY:	CCC
DRAWN BY:	AGS
CHECKED BY:	LJ/CS
FULL SIZE SCALE:	AS NOTED
DATE:	MAY 30, 2013
6030 - SW 12TH STREET - SHEETS	

JOB NO.	<b>6029-6031</b>
SHEET NO.	<b>1</b>
	<b>of 7</b>

REVISIONS

## 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 7:00 AM TO 6:00 PM, MONDAY THROUGH FRIDAY - UNLESS OTHERWISE NOTED. 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. SAND SEAL REQUIRED AT ASPHALT GUTTER LINE (AT FACE OF CURB), WHERE ASPHALT ABUTS CONCRETE GUTTER, AT ASPHALT JOINTS AND AT EDGE OF STRUCTURES (INCIDENTAL).
4. SLOPES SHOWN ON PLANS NEAR CATCH BASINS ARE CALCULATED TO CENTER OF CATCH BASIN.
5. PAVEMENT CROSS SLOPES SHALL BE AT LEAST 1.5% AND NO MORE THAN 4.0% EXCEPT WHEN TRANSITIONING FROM NORMAL CROWN TO CROSS SLOPE PAVING.
6. NEW ASPHALT SHALL MATCH EDGE OF CONCRETE CATCH BASINS. THERE WILL BE NO ADJUSTING OF CATCH BASIN GRATES ALLOWED.
7. NEW ASPHALT SHALL NOT COVER ANY WEEP HOLES (AT I.E. OR LOWER). CITY WILL PHOTO DOCUMENT PROJECT AREA INCLUDING EXISTING CURBS. COVERED WEEP HOLES SHALL BE CLEARED AT CONTRACTORS EXPENSE AND STREET REPAVED.
8. TYPICAL FULL CURB EXPOSURE IS 6" AT TOP FACE OF CURB UNLESS OTHERWISE NOTED.
9. TYPICAL DRIVEWAY CURB EXPOSURE IS 3/4" AT TOP FACE OF CURB.
10. ADJUST ALL EXISTING VALVE, BLOW-OFF AND MANHOLE FRAMES AND COVERS AS NECESSARY TO MATCH NEW ASPHALT SURFACE GRADE - TO BE PAID FOR UNDER THE BID ITEM OF "ADJUSTING STRUCTURES". COORDINATE ADJUSTMENT OF WATER VALVES WITH SHERWOOD WATER DEPARTMENT, RICH SATTLER (503) 925-2319.

11. 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".
12. 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.
13. EQUIPMENT PARKED ON SITE SHALL BE PARKED AWAY FROM AN INTERSECTION AT A LOCATION APPROVED BY THE INSPECTOR.
14. WATER FOR CONSTRUCTION MAY BE OBTAINED FROM CITY FIRE HYDRANTS AT NO CHARGE. 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.
15. REPAIR ALL DISTURBED NEIGHBORING PROPERTY BACK TO ORIGINAL OR BETTER CONDITION.
16. 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 ASHTO T-100 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).
17. 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.
18. TRAFFIC CONTROL SHALL INCLUDE ALL PAVEMENT MARKING REMOVAL, TEMPORARY PAVEMENT MARKING, BARRICADES, DELINEATORS, SIGNAGE, FLAGGERS, PERMANENT PAVEMENT MARKINGS AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK. TO BE PAID FOR UNDER THE BID ITEM "TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE".
19. 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. ALL STORM SEWER LINES SHALL BE VIDEO INSPECTED BY THE CONTRACTOR. TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HOUR NOTICE IS REQUIRED. CITY WITNESSED VIDEO INSPECTION SHALL OCCUR AFTER THE PLACEMENT OF THE FIRST LIFT ASPHALT. CITY STRONGLY ENCOURAGES VIDEO INSPECTION BY THE CONTRACTOR PRIOR TO ASPHALT PLACEMENT (INCIDENTAL). SHOULD CONTRACTOR OR DEVELOPER HAVE QUESTIONS REGARDING SPECIFIC SECTIONS OF PRE-ASPHALT VIDEO, CITY INSPECTOR SHALL PROVIDE A RECOMMENDATION UPON THE ACCEPTABILITY OF THE SECTION IN QUESTION.
4. ALL STORM SEWER LINES SHALL HAVE A MANDREL PASSED THROUGH TO CHECK DEFLECTION. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 24 HOUR NOTICE IS REQUIRED.

## LEGEND

-----	PROPOSED CROWN OR GUTTER AS LABELED	SS	EXISTING SANITARY MANHOLE
-----	PROPOSED SAW CUT	SD	EXISTING STORM MANHOLE
-----SS	EXISTING SANITARY	WM	EXISTING WATER METER
-----SD	EXISTING STORM	SL	EXISTING STREETLIGHT
-----WAT	EXISTING WATER	VB	EXISTING VAULT, BOX OR PEDESTAL AS LABELED
-----GAS	EXISTING GAS LINE	CB	EXISTING CATCH BASIN
-----PWR	EXISTING POWER	FH	EXISTING FIRE HYDRANT
-----COM	EXISTING TELEPHONE	CO	EXISTING CLEANOUT
-----	10' CONTOURS	WV	EXISTING WATER VALVE
-----	2' CONTOURS	CR	EXISTING CURB

## GENERAL NOTES

### 6029-6031, 2013 SUMMER PAVEMENT REHABILITATION

LOCATED IN SECTIONS 30DD AND 28CC, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

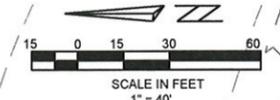
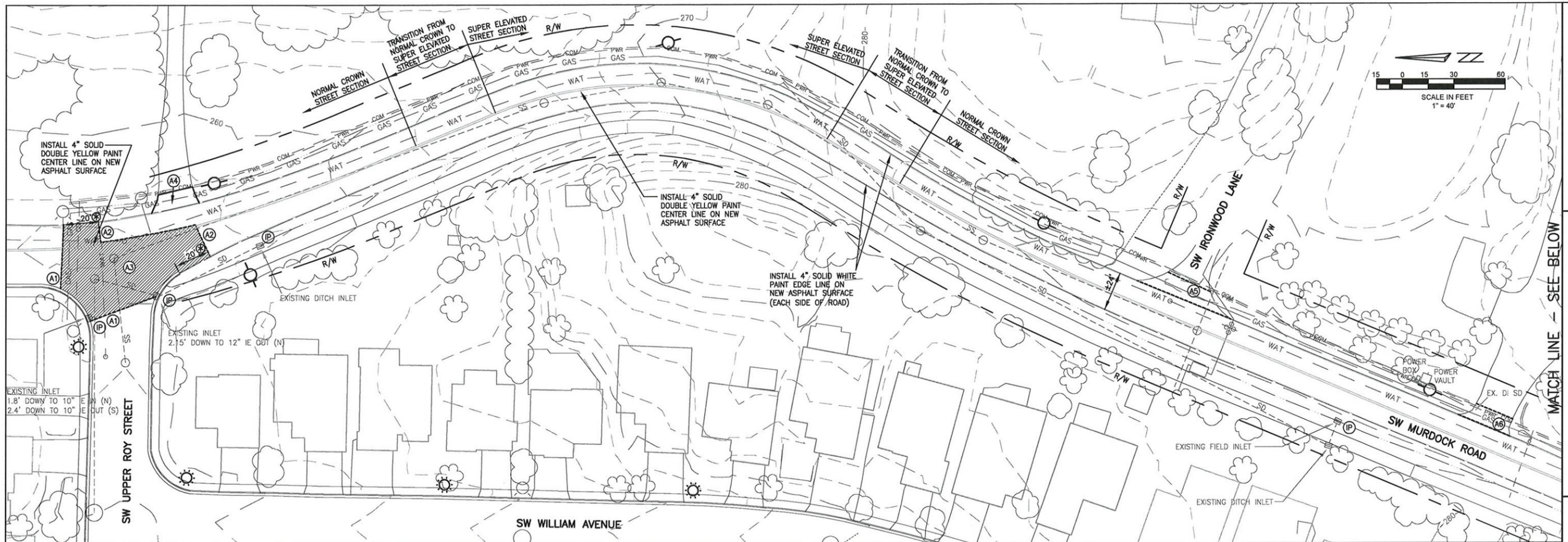
CITY OF SHERWOOD  
ENGINEERING DEPARTMENT  
22560 SW PINE STREET  
SHERWOOD, OREGON 97140  
PHONE: (503) 253-2309  
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DESIGNED BY:	CCC
DRAWN BY:	AKS
CHECKED BY:	LAVS
FULL SIZE SCALE:	AS NOTED
DATE:	MAY 30, 2013
6029 - SW 12TH STREET - SHEETS	

REVISIONS	

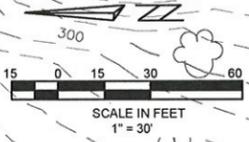
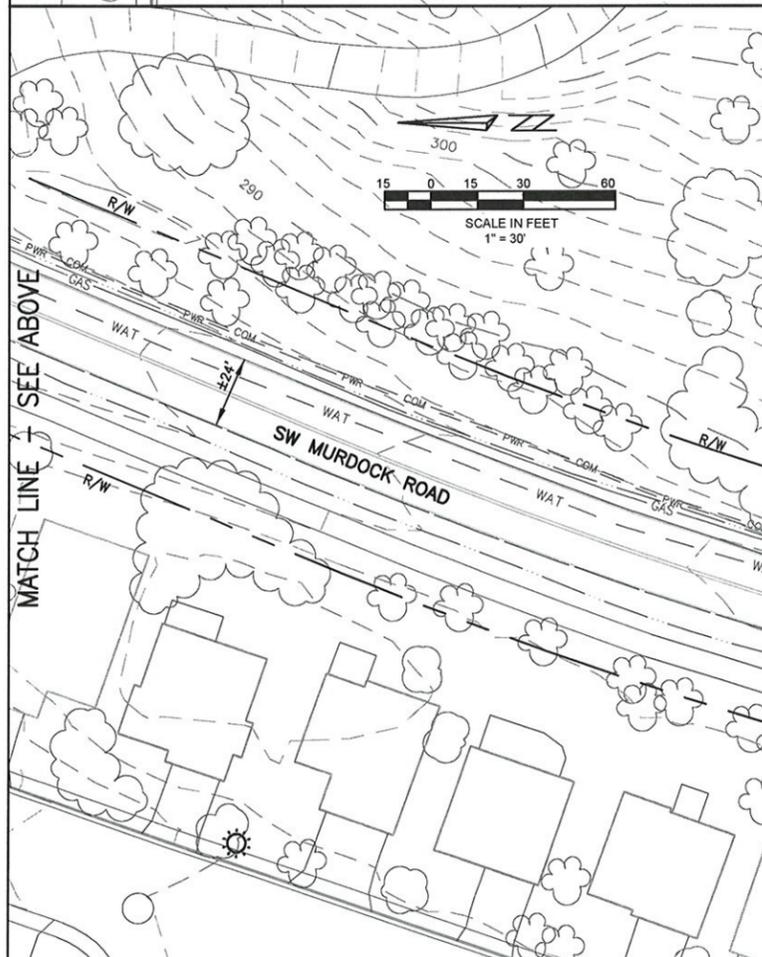
JOB NO.	6029-6031
SHEET NO.	2
	7



SW MURDOCK ROAD  
PLAN VIEW

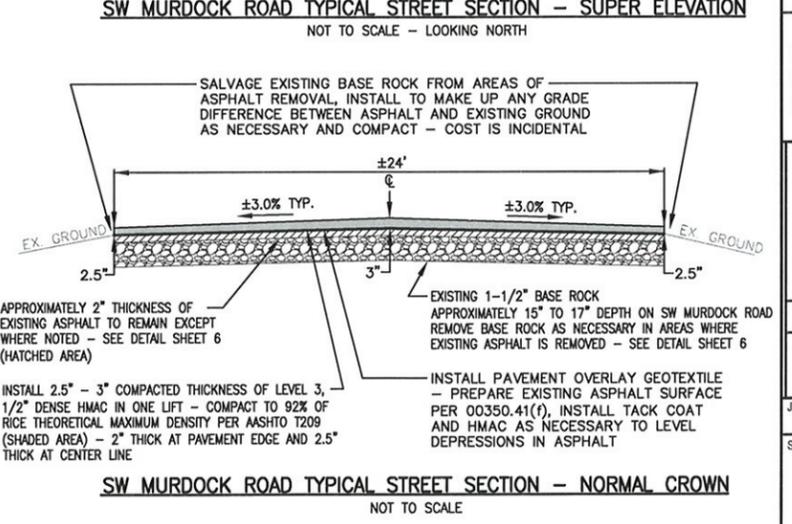
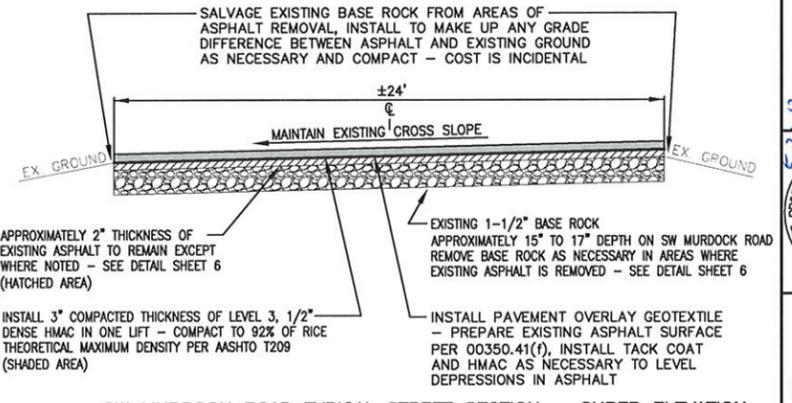
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PAVEMENT REHABILITATION  
LOCATED IN SECTIONS 30DD AND 28CC, T2S, R1W, W.M.  
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CITY OF SHERWOOD  
ENGINEERING DEPARTMENT  
SHERWOOD, OREGON 97140  
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E-MAIL: [engineering@sherwoodoregon.gov](mailto:engineering@sherwoodoregon.gov)



- ### KEY NOTES
- A1 SAW CUT EXISTING ASPHALT AND TACK COAT EDGE. SURFACE OF NEW 5" THICK ASPHALT TO MATCH SURFACE OF EXISTING ASPHALT - SEE DETAIL SHEET 6 VERIFY SAW CUT LOCATION WITH INSPECTOR PRIOR TO CUTTING.
  - A2 SAW CUT EXISTING ASPHALT AND TACK COAT EDGE. SURFACE OF NEW 3" THICK ASPHALT BASE LIFT TO MATCH SURFACE OF EXISTING ASPHALT - SEE DETAIL SHEET 6 VERIFY SAW CUT LOCATION WITH INSPECTOR PRIOR TO CUTTING.
  - A3 AREA OF EXISTING ASPHALT TO BE REMOVED. SOME EXISTING BASE ROCK TO BE REMOVED AS NECESSARY - SEE DETAIL SHEET 6.
  - A4 CLEAN ASPHALT OF EXISTING AGGREGATE FOR 10 FEET FROM EDGE OF PAVEMENT, INSTALL GEOTEXTILE FABRIC AND OVERLAY WITH 2" COMPACTED THICKNESS OF LEVEL 3, 1/2" DENSE HMAC. PLACE SALVAGED BASE ROCK AS NECESSARY TO BLEND TO EXISTING AGGREGATE DRIVEWAY.
  - A5 SAWCUT EXISTING PAVEMENT AT ±10' FROM EDGE OF EXISTING PAVEMENT, REMOVE EXISTING ASPHALT AND BASE ROCK AS NECESSARY TO ALLOW FOR 4" OF NEW LEVEL 3, 1/2" DENSE HMAC OR MATCH EXISTING WHICHEVER IS THICKER. SHAPE NEW ASPHALT TO DRAIN. SURFACE OF OVERLAY TO MATCH EXISTING ASPHALT SURFACE.
  - A6 SAWCUT EXISTING PAVEMENT AT ±6' FROM EDGE OF EXISTING PAVEMENT, REMOVE EXISTING ASPHALT AND BASE ROCK AS NECESSARY TO ALLOW FOR 4" OF NEW LEVEL 3, 1/2" DENSE HMAC OR MATCH EXISTING WHICHEVER IS THICKER. SHAPE NEW ASPHALT TO DRAIN. SURFACE OF OVERLAY TO MATCH EXISTING ASPHALT SURFACE.

- ### STREET NOTES
1. ONE LANE OF TRAFFIC ON SW MURDOCK ROAD SHALL REMAIN OPEN AT ALL TIMES.
  2. CONTRACTOR SHALL MAINTAIN ACCESS TO SIDE STREETS AND DRIVEWAYS ALONG SW MURDOCK ROAD. CONTRACTOR TO NOTIFY/COORDINATE WITH HOME OWNERS WHEN ACCESS WILL BE TEMPORARILY CLOSED DUE TO WORK IN THE DRIVEWAY/SIDE STREET.
- ⊗ BLEND ASPHALT PER DETAIL ON SHEET 6.

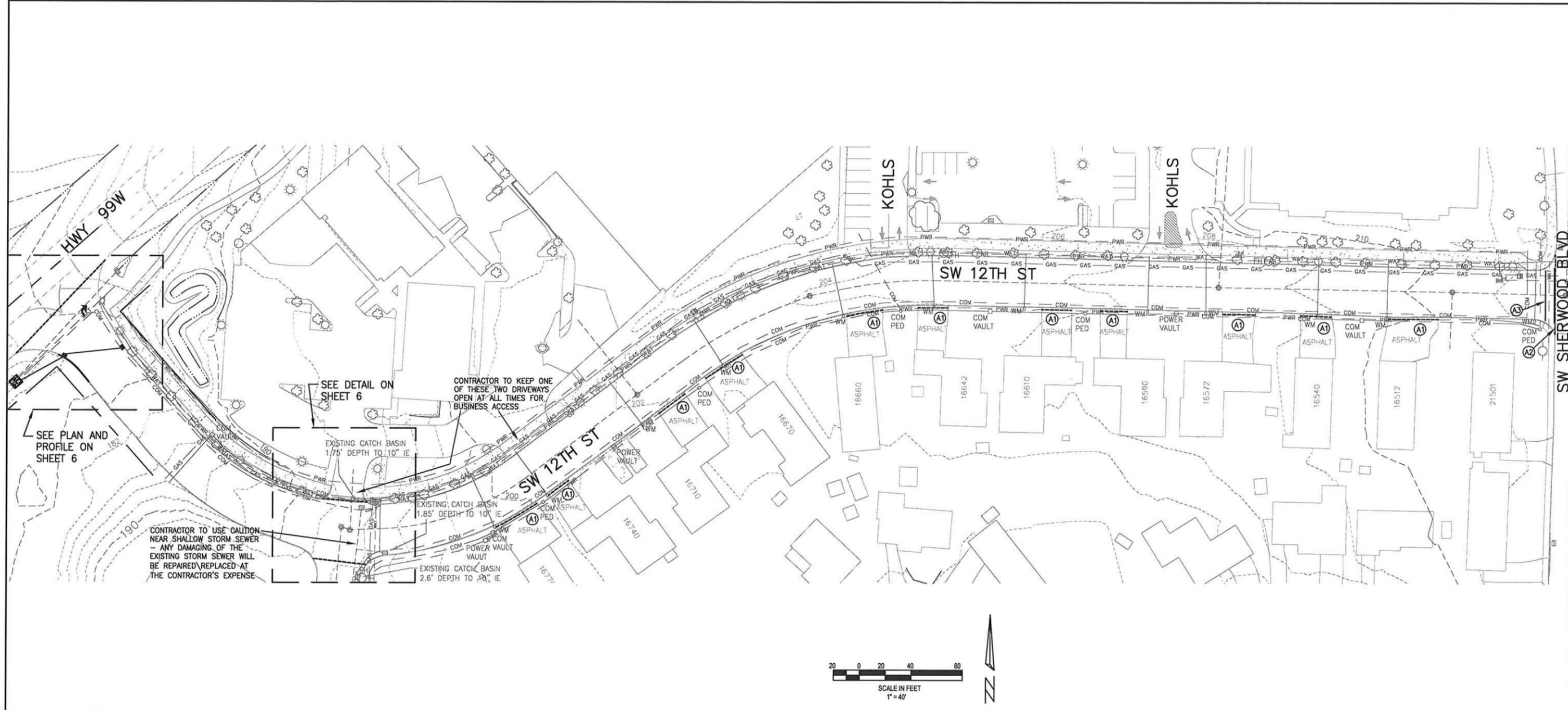


DESIGNED BY:	COC
DRAWN BY:	AKS
CHECKED BY:	JMW
FULL SIZE SCALE:	1"=30'
DATE:	MAY 30, 2013
6030 - SW 12TH STREET - SHEETS	

JOB NO.	6030
SHEET NO.	3
OF	7

REVISEMENTS





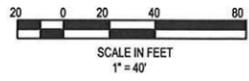
**SW 12TH STREET  
PLAN VIEW**

**6029-6031, SUMMER 2013  
PAVEMENT REHABILITATION**

LOCATED IN SECTIONS 30DD AND 29CC, T2S, R1W, W.M.  
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,  
STATE OF OREGON

**CITY OF SHERWOOD**  
ENGINEERING DEPARTMENT  
2225 SW PINE STREET  
SHERWOOD, OREGON 97140

PHONE: (503) 825-2309  
FAX: (503) 825-2306  
E-MAIL: [engineering@sherwoodoregon.gov](mailto:engineering@sherwoodoregon.gov)

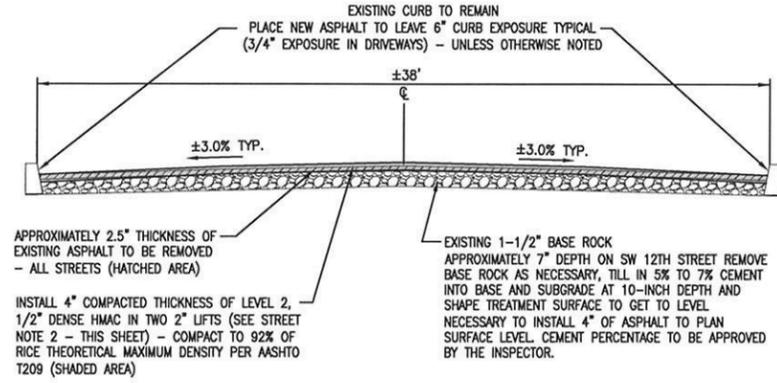


**KEY NOTES**

- (A1) SAW CUT DRIVEWAY 2' BEHIND GUTTER LINE AND REMOVE ASPHALT - CREATE DEFINED GUTTER LINE THROUGH DRIVEWAY IN ALIGNMENT WITH FACE OF CURB - DO NOT CREATE JOINT AT GUTTER LINE IN DRIVEWAY - BLEND TO MATCH EXISTING CURB, SIDEWALK AND ASPHALT AT SAW CUT AND SAND SEAL JOINT - DRIVEWAYS SHALL BE LEVEL 2, 1/2" DENSE HMAC TO A MINIMUM THICKNESS OF 3" OR MATCH EXISTING ASPHALT THICKNESS UP TO 6" MAXIMUM EXISTING BASE ROCK SHAPED AND COMPACTED TO 95% RELATIVE DENSITY OF AASHTO T-180 TEST METHOD. VERIFY SAW CUT LOCATION WITH INSPECTOR PRIOR TO CUTTING.
- (A2) SAW CUT EXISTING ASPHALT 0.25' PAST EXISTING PAVEMENT CHANGE INTO NEWER ASPHALT ON SW SHERWOOD BOULEVARD - MATCH EXISTING PAVEMENT AND SAND SEAL JOINT. VERIFY SAW CUT LOCATION WITH INSPECTOR PRIOR TO CUTTING.
- (A3) INSTALL NEW 12" WIDE WHITE CROSSWALK BAR ACROSS ROADWAY AT 2' FROM FACE OF CURB - INSTALL TO REPLACE EXISTING. VERIFY PLACEMENT WITH INSPECTOR PRIOR TO INSTALLATION.

**STREET NOTES**

1. TWO LANES OF TRAFFIC ON SW SHERWOOD BLVD SHALL REMAIN OPEN AT ALL TIMES.
2. 2" BASE LIFT OF LEVEL 2, 1/2" DENSE HMAC SHALL BE INSTALLED OVER CEMENT TREATED BASE ON SAME DAY OF CEMENT TREATMENT. FINAL 2" SURFACE LIFT OF LEVEL 2, 1/2" DENSE HMAC SHALL BE INSTALLED ONCE ALL SECTIONS OF STREET HAVE RECEIVED 2" BASE LIFT.

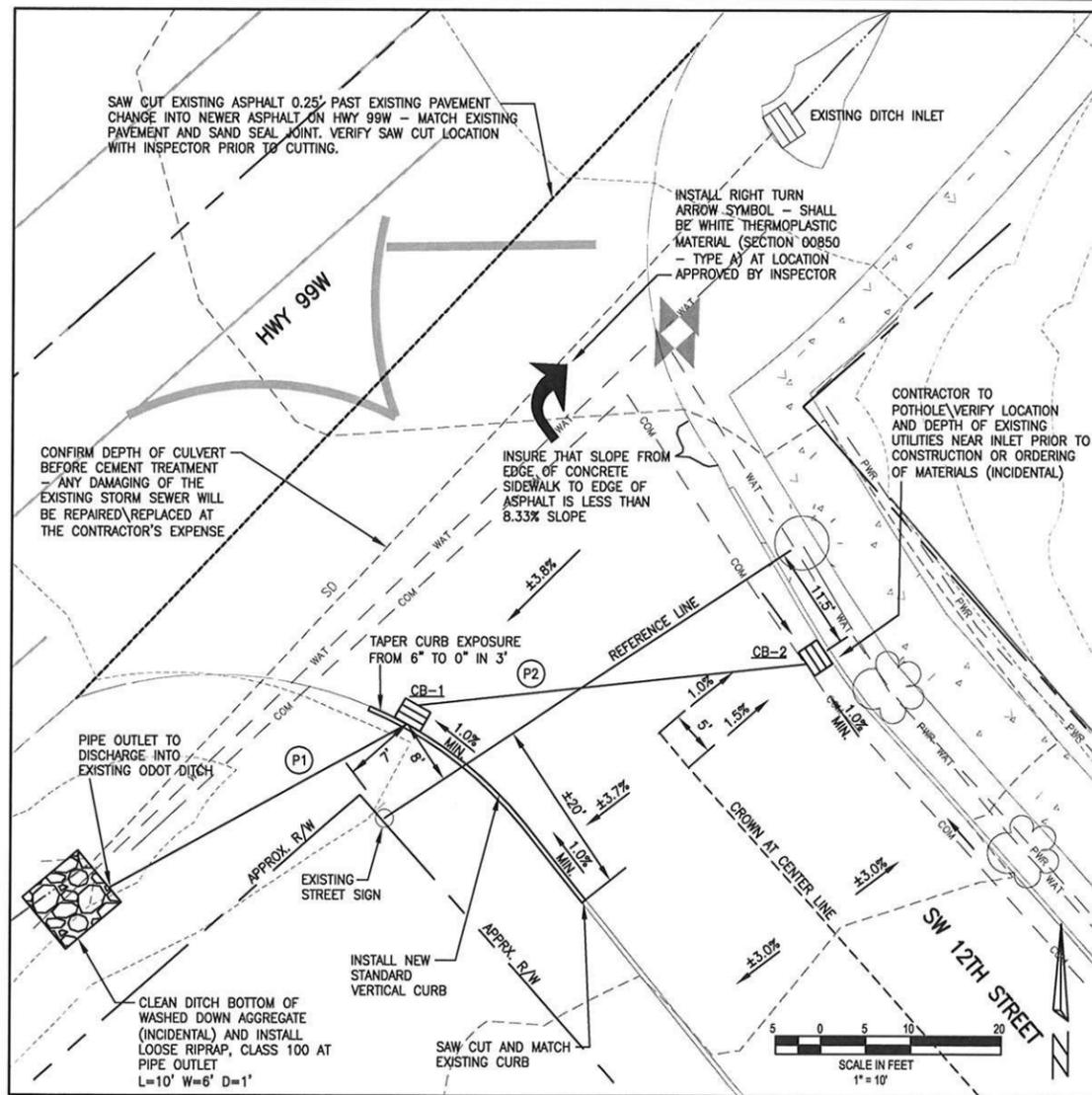


**TYPICAL STREET SECTION**  
NOT TO SCALE

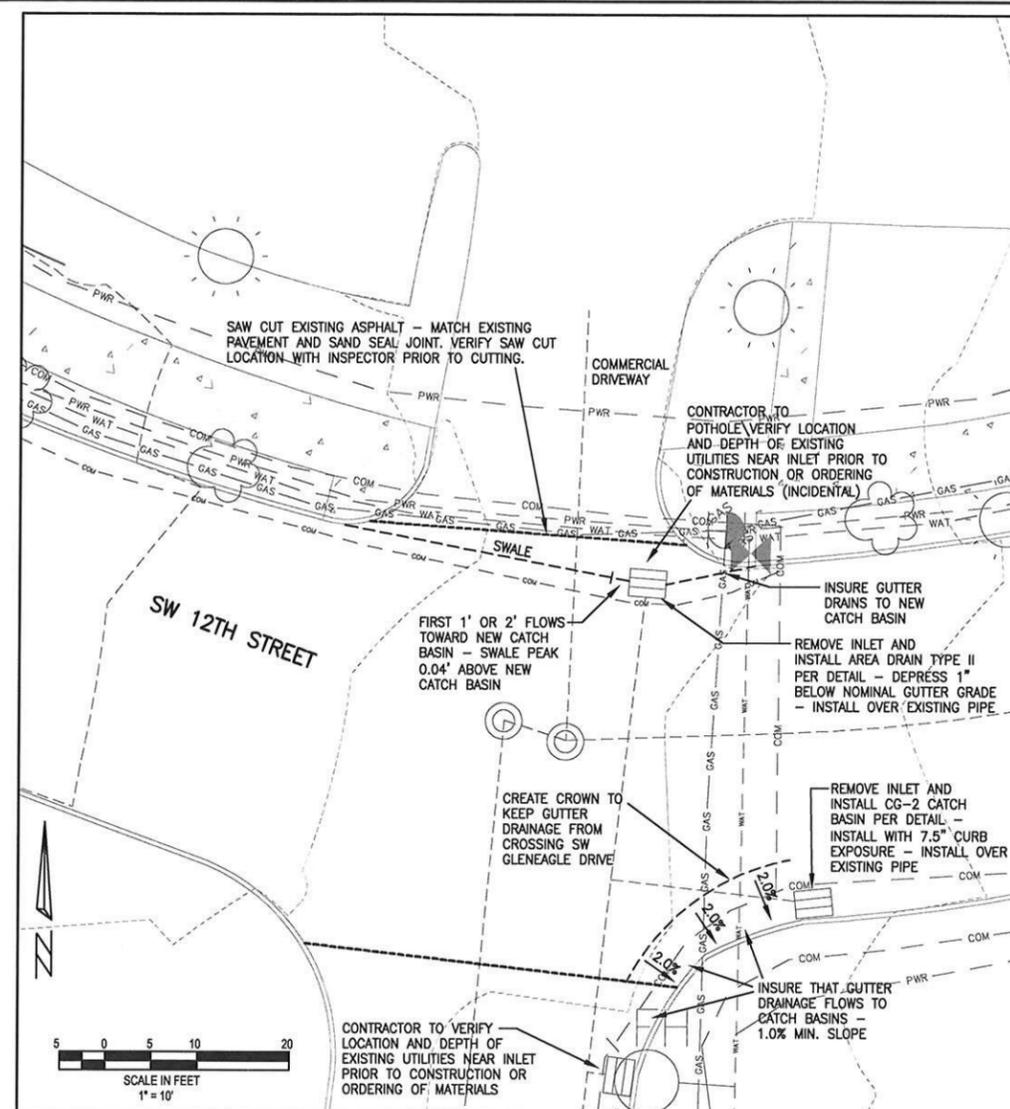
DESIGNED BY:	CCG
DRAWN BY:	AMS
CHECKED BY:	LJ/CS
FULL SIZE SCALE:	1"=40'
DATE:	MAY 30, 2013
6030 - SW 12TH STREET - SHEETS	

REVISIONS

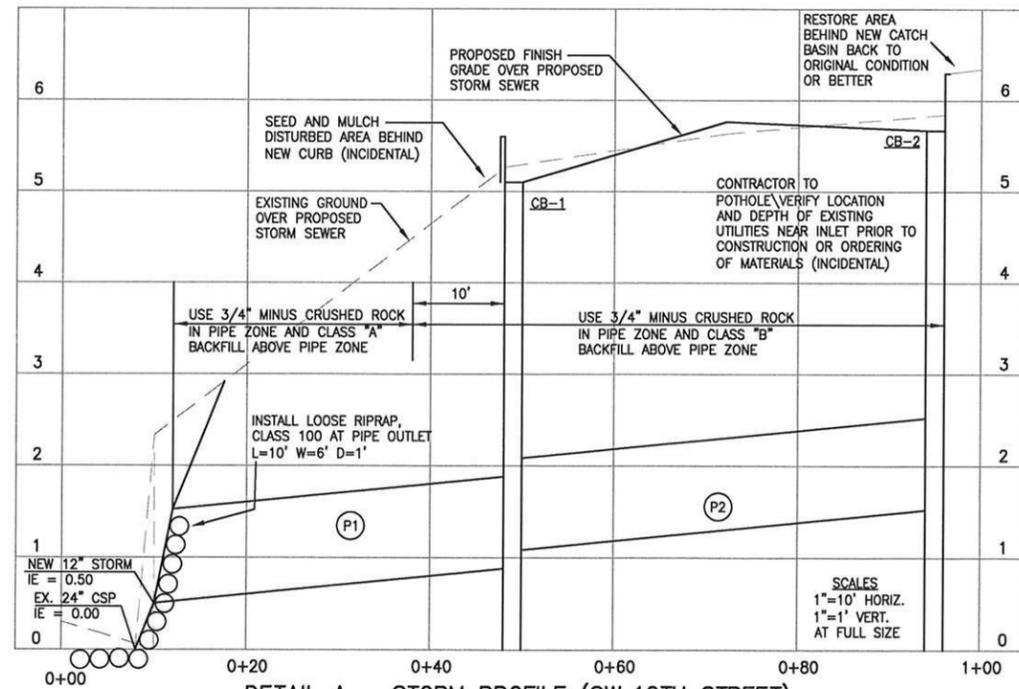
JOB NO.	6030
SHEET NO.	5
OF	7



DETAIL A - PLAN (SW 12TH STREET)



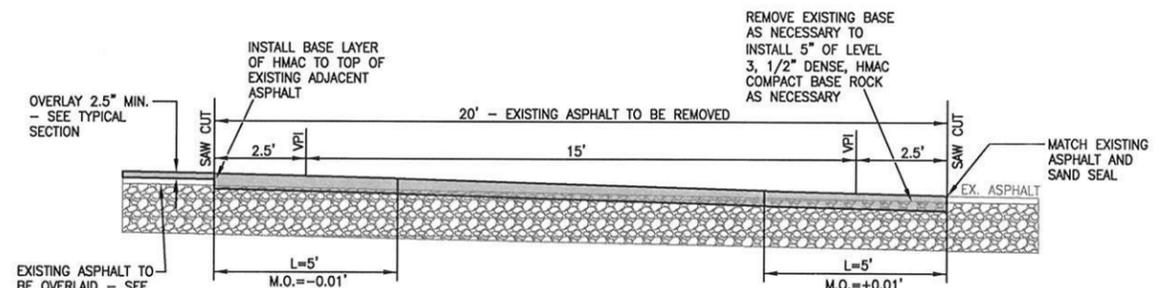
DETAIL B (SW 12TH STREET)



DETAIL A - STORM PROFILE (SW 12TH STREET)

STORM SEWER KEY NOTES

- CB-1 INSTALL GUTTER AND CURB INLET CATCH BASIN (CG-2) GR. 5.10± (6" CURB EXPOSURE) 12" IE IN 1.08 (E) 12" IE OUT 0.88 (W)
- CB-2 INSTALL GUTTER AND CURB INLET CATCH BASIN (CG-2) GR. 5.67 (7.5" CURB EXPOSURE) 12" IE OUT 1.52 (W) CONNECT EXISTING WEEPHOLE PIPE TO BACK OF NEW CB (INCIDENTAL)
- P1 INSTALL 12" PVC C900 STORM SEWER L=±38' S=1.0%
- P2 INSTALL 12" PVC C900 STORM SEWER L=±44' S=1.0%



ASPHALT MATCH DETAIL - SW MURDOCK ROAD

NOT TO SCALE - SW MURDOCK ROAD

STREET DETAILS

6029-6031 SUMMER 2013  
PAVEMENT REHABILITATION

LOCATED IN SECTIONS 30DD AND 29CC, T2S, R1W, W.M.  
IN THE CITY OF SHERWOOD, WASHINGTON COUNTY,  
STATE OF OREGON

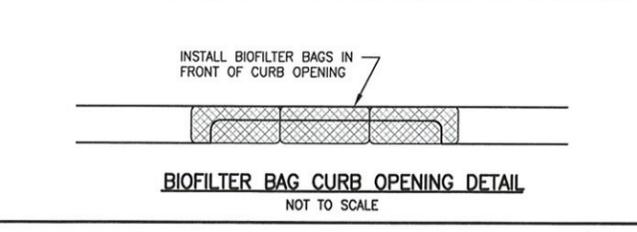
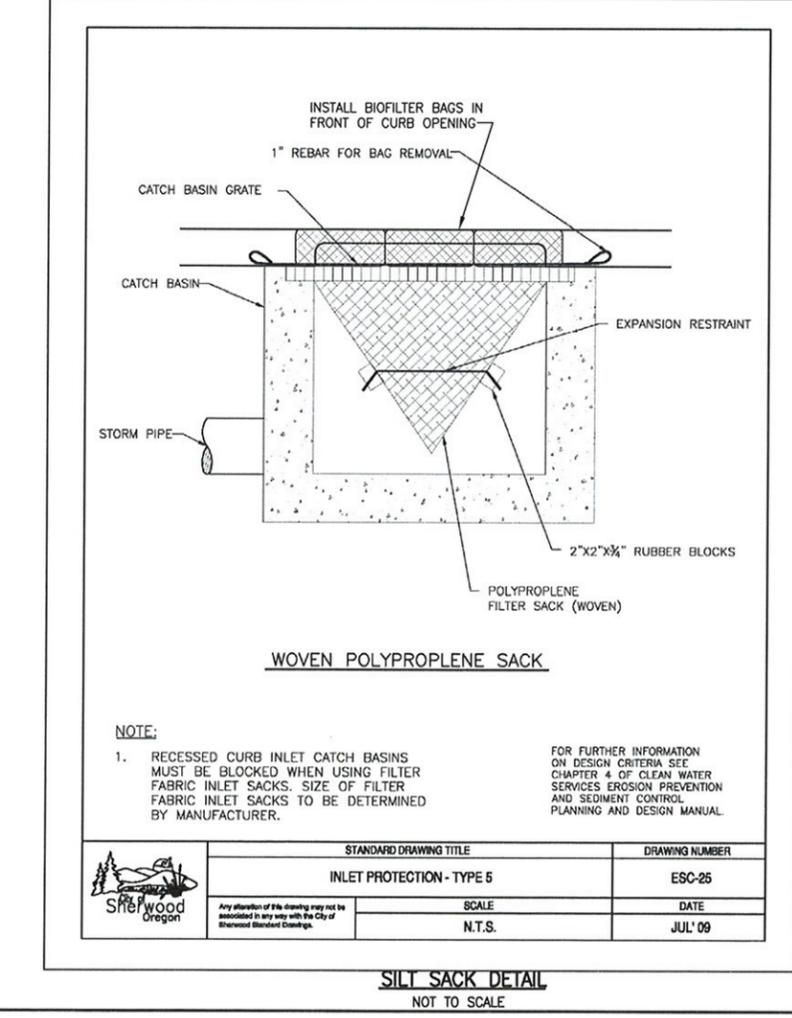
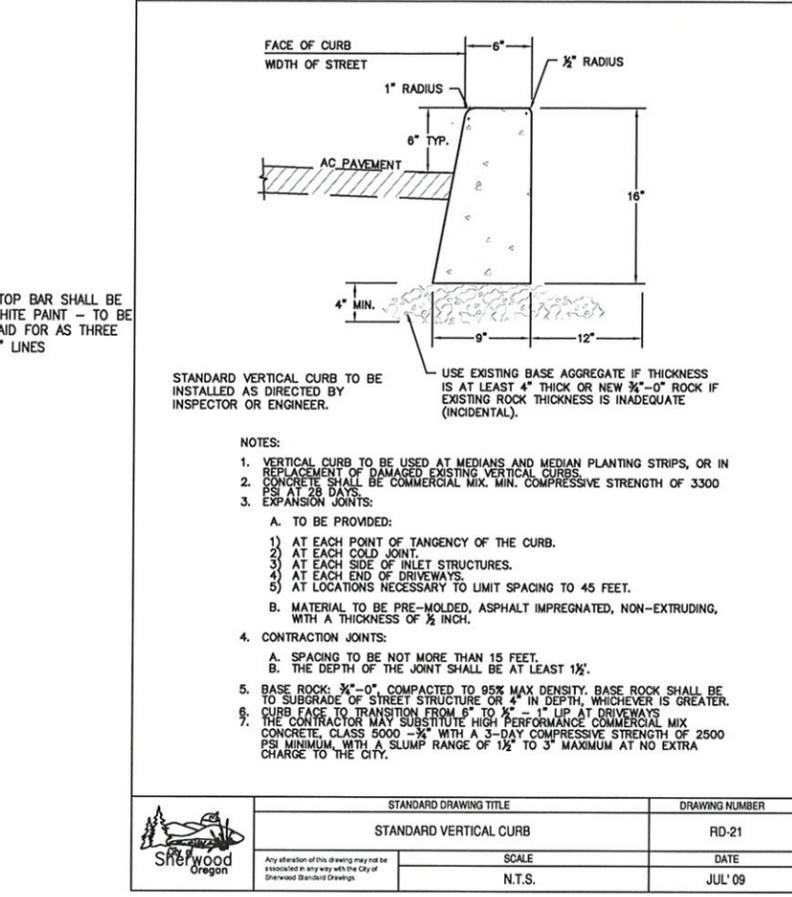
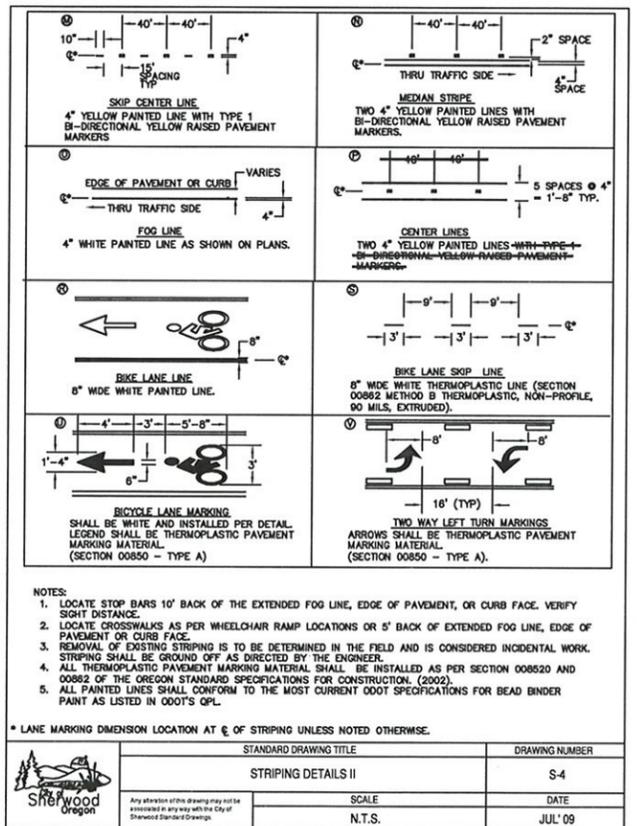
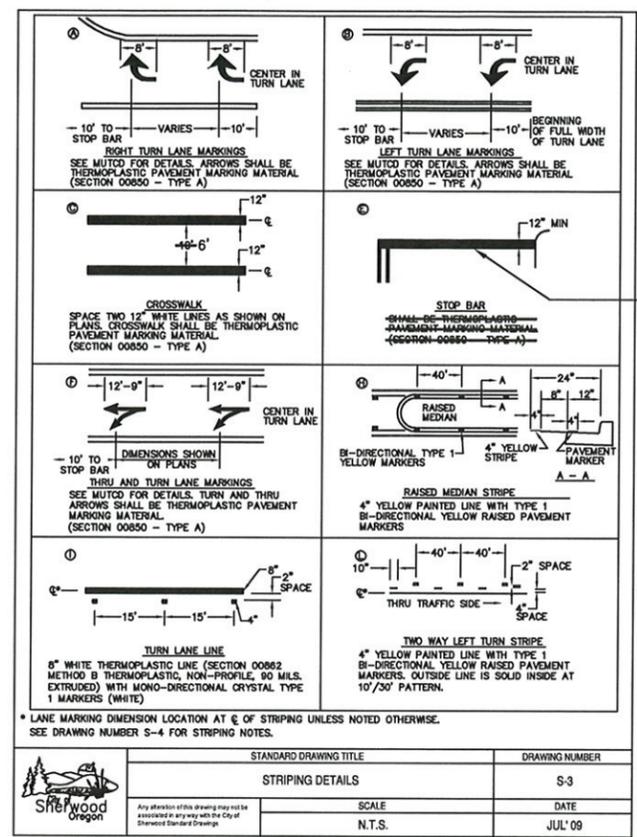
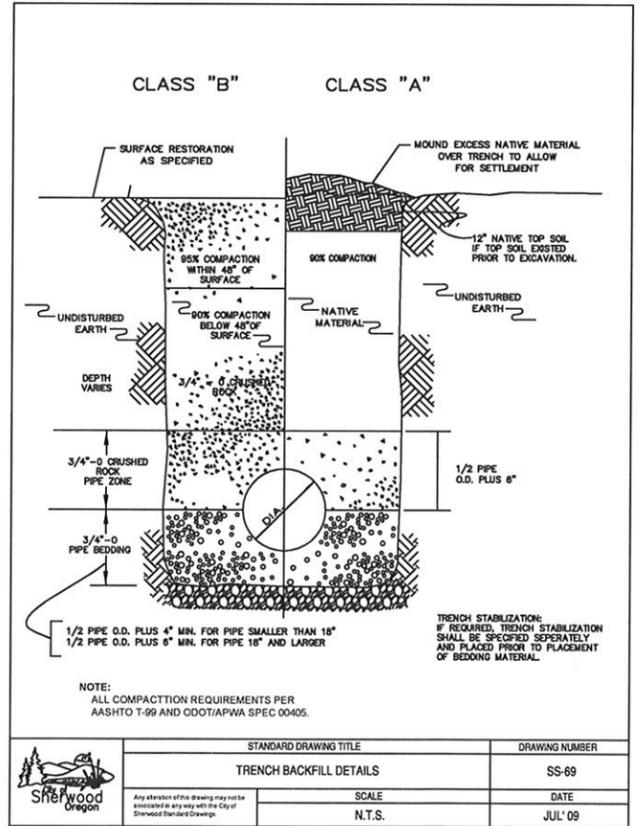
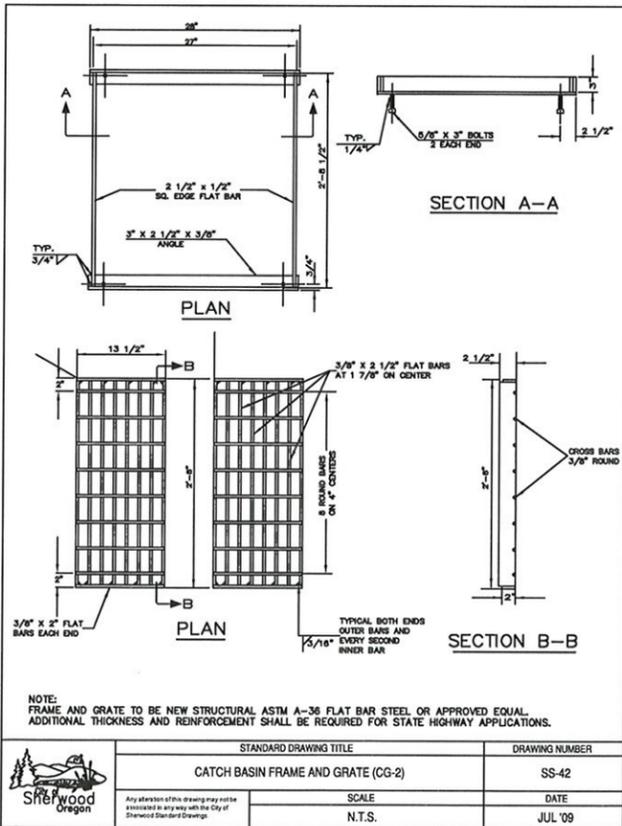
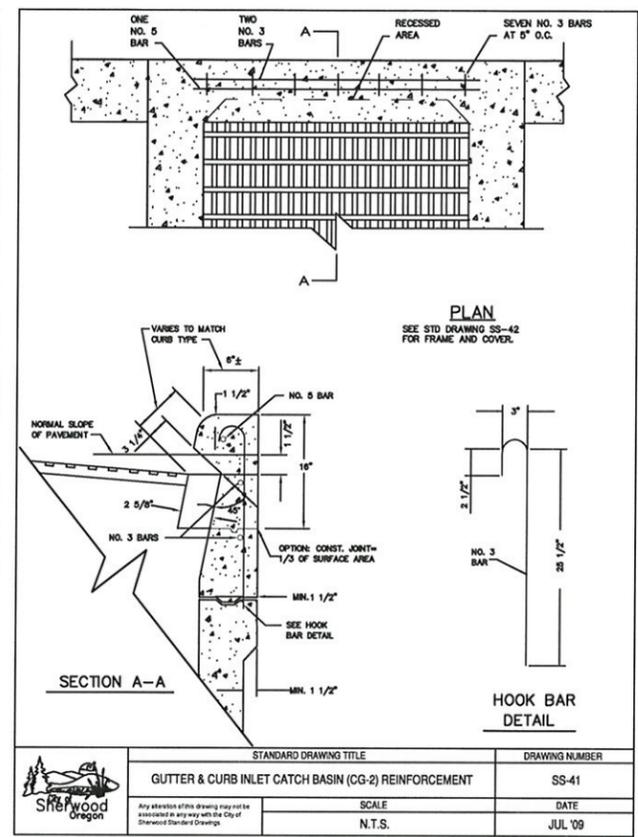
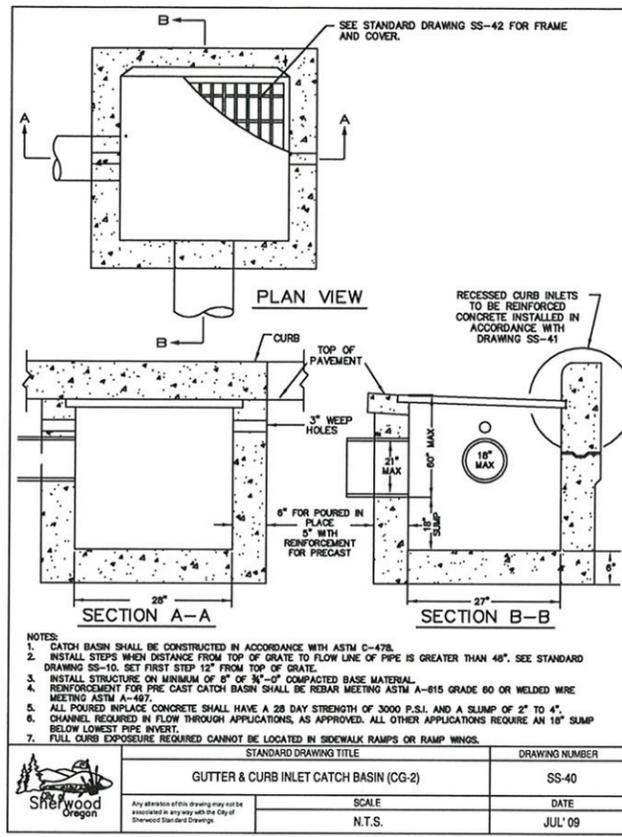
CITY OF SHERWOOD  
ENGINEERING DEPARTMENT  
23550 SW PINE STREET  
SHERWOOD, OREGON 97140  
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DESIGNED BY:	CCC
DRAWN BY:	AGS
CHECKED BY:	JMW
FULL SIZE SCALE:	AS NOTED
DATE:	MAY 30, 2013
6030 - SW 12TH STREET - SHEETS	

JOB NO.	6029-6031
SHEET NO.	6
REV.	7

REVISIONS



**CITY OF SHERWOOD DETAILS**

**6029-6031 SUMMER 2013 PAVEMENT REHABILITATION**

LOCATED IN SECTIONS 300D AND 290C, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON.

DESIGNED BY:	CCC
DRAWN BY:	AGS
CHECKED BY:	JMF
FULL SIZE SCALE:	AS NOTED
DATE:	MAY 30, 2013
6030 - SW 12TH STREET - SHEETS	

APPROVED  
5-30-13  
KESSEL/SUSCH  
CITY OF SHERWOOD  
ENGINEERING DEPARTMENT  
2280 SW PINE STREET  
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JOB NO.	6029-6031
SHEET NO.	7
OF	7

**REVISIONS**