

CITY OF CORNELIUS

PAVEMENT RESTORATION 2019-2020

SHEET INDEX

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6.	NORTH 14TH AVENUE
7.	NORTH 19TH AVENUE - PAVING PREP.
8.	NORTH 19TH AVENUE - OVERLAY
9.	DETAILS AND NOTES

DESIGN & SURVEY

CIVIL:

CITY OF CORNELIUS
PUBLIC WORKS DEPT.
1300 S. KODIAK CIRCLE
CORNELIUS, OREGON 97113
CONTACT: KEVIN OPPENLANDER, PROJECT MANAGER
(503) 357-3011
koppenlander@ci.cornelius.or.us

CITY ENGINEER:

TERRY KEYES, P.E.
(503) 357-3011
tkeyes@ci.cornelius.or.us

CITY INSPECTOR / PROJECT MANAGER:

KEVIN OPPENLANDER
(503) 357-3011
koppenlander@ci.cornelius.or.us

UTILITIES

NATURAL GAS:

NORTHWEST NATURAL GAS
220 NW 2ND AVENUE
PORTLAND, OREGON 97209
CONTACT: MARK SHAFFER
(503) 226-4211 EXT. 6938

WATER, SANITARY, & STORM:

CITY OF CORNELIUS
1355 N. BARLOW STREET
CORNELIUS, OREGON 97113
CONTACT: RICK ADAMS
(503) 357-3011

ELECTRIC:

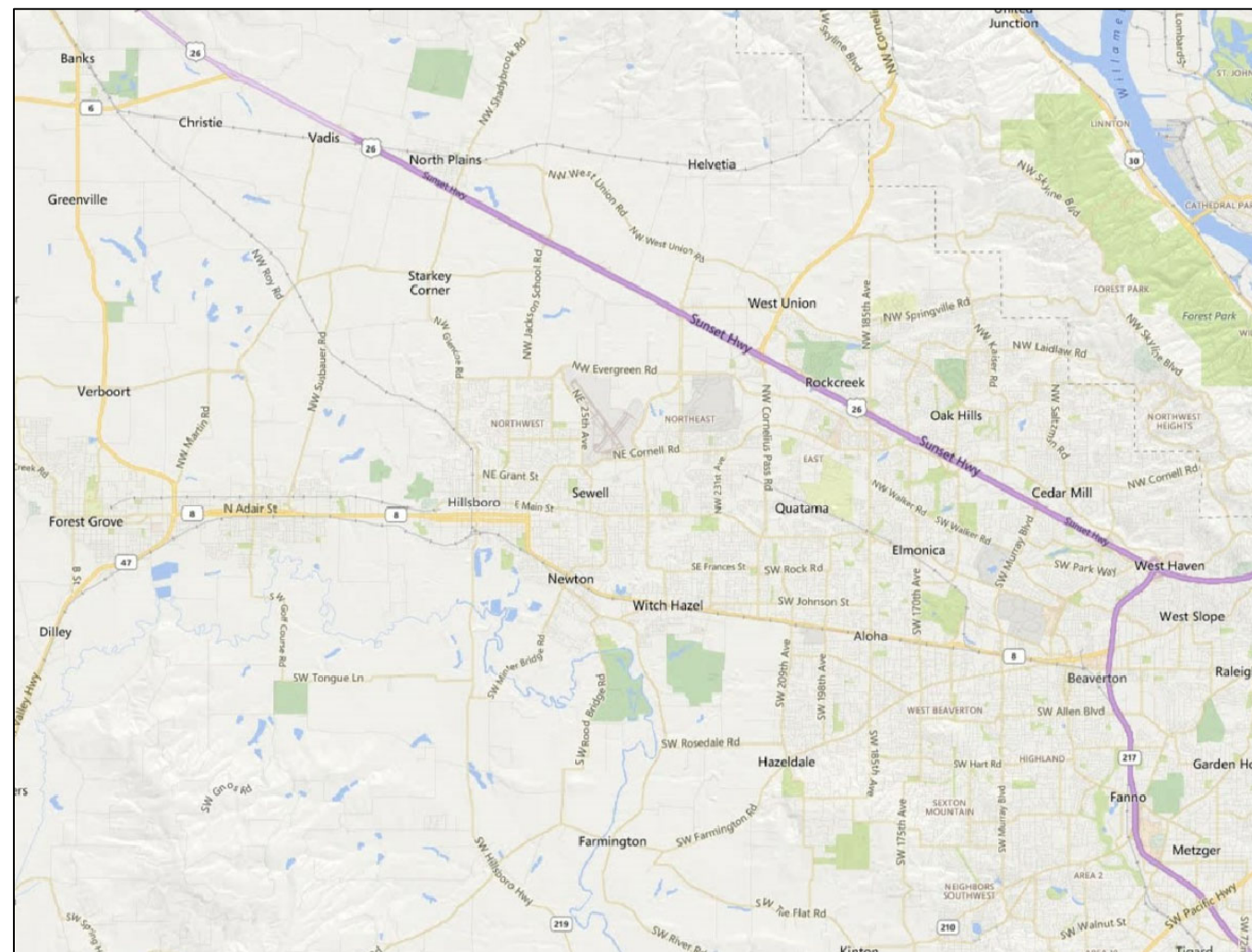
PORTLAND GENERAL ELECTRIC
4950 NW 235TH AVENUE
HILLSBORO, OREGON 97124
CONTACT: BRIAN MOORE
(503) 672-5474

COMMUNICATIONS:

COMCAST
14200 SW BRIGADOON COURT
BEAVERTON, OREGON 97006
CONTACT: MARGARET PORTER
(503) 605-4833 EXT. 3582 OFFICE
(503) 519-8500 MOBILE

FRONTIER

20575 NW VON NEUMANN DR. #150
BEAVERTON, OREGON 97005-2016
CONTACT: HAROLD VANCE
(503) 644-4874



GENERAL NOTES

1. ALL WORK SHALL CONFORM TO OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2018 EDITION, AND THE REQUIREMENTS OF THE CITY OF CORNELIUS.
2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES LAYING WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDING SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
3. EFFECTIVE EROSION CONTROL IS REQUIRED. EROSION CONTROL DEVICES MUST BE INSTALLED AND MAINTAINED TO MEET CWS REQUIREMENTS. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE EROSION CONTROL.
4. EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE WORK SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
5. CONTRACTOR SHALL ADJUST ALL STRUCTURES AND/OR APPURTENANCES IMPACTED BY CONSTRUCTION IMPROVEMENTS TO NEW FINISH GRADES.
6. EXCAVATION: EXCAVATE FOR SLABS, PAVING, AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL. EXCAVATOR(S) MUST COMPLY WITH O.R.S. 757.541 THROUGH 757.571; EXCAVATOR(S) SHALL NOTIFY ALL UTILITY COMPANIES FOR ALL LINE LOCATIONS SEVENTY-TWO (72) HOURS (MINIMUM) PRIOR TO START OF WORK. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. (ONE CALL LOCATE UTILITY NOTIFICATION CENTER - PORTLAND METRO AREA 246-6699, OREGON 696-4848, ALL OTHER AREAS 1-800-332-2344).
7. WHERE CONNECTING TO AN EXISTING PIPE, AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL EXPOSE THE END OF THE EXISTING PIPE AND VERIFY THE LOCATION, SIZE, AND ELEVATION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
8. REQUEST BY THE CONTRACTOR FOR CHANGES TO THE PLANS MUST BE APPROVED BY THE CITY ENGINEER.
9. CONTRACTOR SHALL CHECK FOR CONFLICTS WITH EXISTING CROSSINGS OF SANITARY, GAS, WATER, TELECOMMUNICATIONS, ETC. WHEN INSTALLING WATERLINE.
10. CONTRACTOR SHALL COORDINATE STAGING AREA FOR PROJECT WITH CITY OF CORNELIUS. WHILE ALL STAGING AREAS REQUIRE PRIOR APPROVAL OF CITY ENGINEER, STAGING WILL GENERALLY BE ALLOWED ON THE STREET PAVEMENT ALONG THE CONSTRUCTION ROUTE.
11. CONTRACTOR SHALL KEEP (1) SET OF PLANS UP TO DATE NOTING ALL CHANGES AND UTILITIES ENCOUNTERED DIFFERENT THAN SHOWN ON PLANS. PLAN TO BE GIVEN TO CITY ENGINEER FOLLOWING CONSTRUCTION FOR PREPARATION OF RECORD DRAWINGS.
12. USE OF CITY WATER BY THE CONTRACTOR REQUIRES A HYDRANT METER. HYDRANT METERS CAN BE OBTAINED FROM THE CORNELIUS DEPARTMENT OF PUBLIC WORKS.
13. ALL LAWN AND OTHER LANDSCAPED AREAS, DISTURBED BY CONSTRUCTION, AND CONSTRUCTION RELATED ACTIVITIES, SHALL BE RESTORED BY THE CONTRACTOR BEFORE THE END OF THE PROJECT.
14. EXCEPT AT THE END OF THE DAILY WORKING AREA, ALL TRENCH AREAS MUST BE PATCHED AT THE END OF THE WORKDAY. THE END OF THE TRENCH FOR A GIVEN DAY'S WORK CAN BE PLATED RATHER THAN PATCHED. TEMPORARY PATCHING MUST CONFORM TO SECTION 00495.40(B) IN THE STANDARDS SPECIFICATIONS.
15. ALL CLOSURES REQUIRE THE APPROVAL OF THE CITY ENGINEER. EVEN WHEN A STREET IS CLOSED, EMERGENCY ACCESS FOR RESIDENTS AND OTHERS SHALL BE PROVIDED BY THE CONTRACTOR.
16. ASPHALT PAVEMENT TO BE REMOVED SHALL BE SAWCUT. ASPHALT PATCH BETWEEN NEW CURBS AND EXISTING STREET PAVEMENT SHALL BE PATCHED ACCORDING TO DETAIL S-4. PAVEMENT PATCH SHALL BE INSTALLED TO INSURE POSITIVE DRAINAGE TO AND ALONG CURB.

Pavement Restoration 2019-2020
Cornelius, Oregon 97113
COVER

DESIGNED BY: KGO

DRAWN BY: KGO

CHECKED BY: TWK

ISSUE DATE: 3/6/2020

CITY OF CORNELIUS PUBLIC WORKS

1300 S. KODIAK CIRCLE

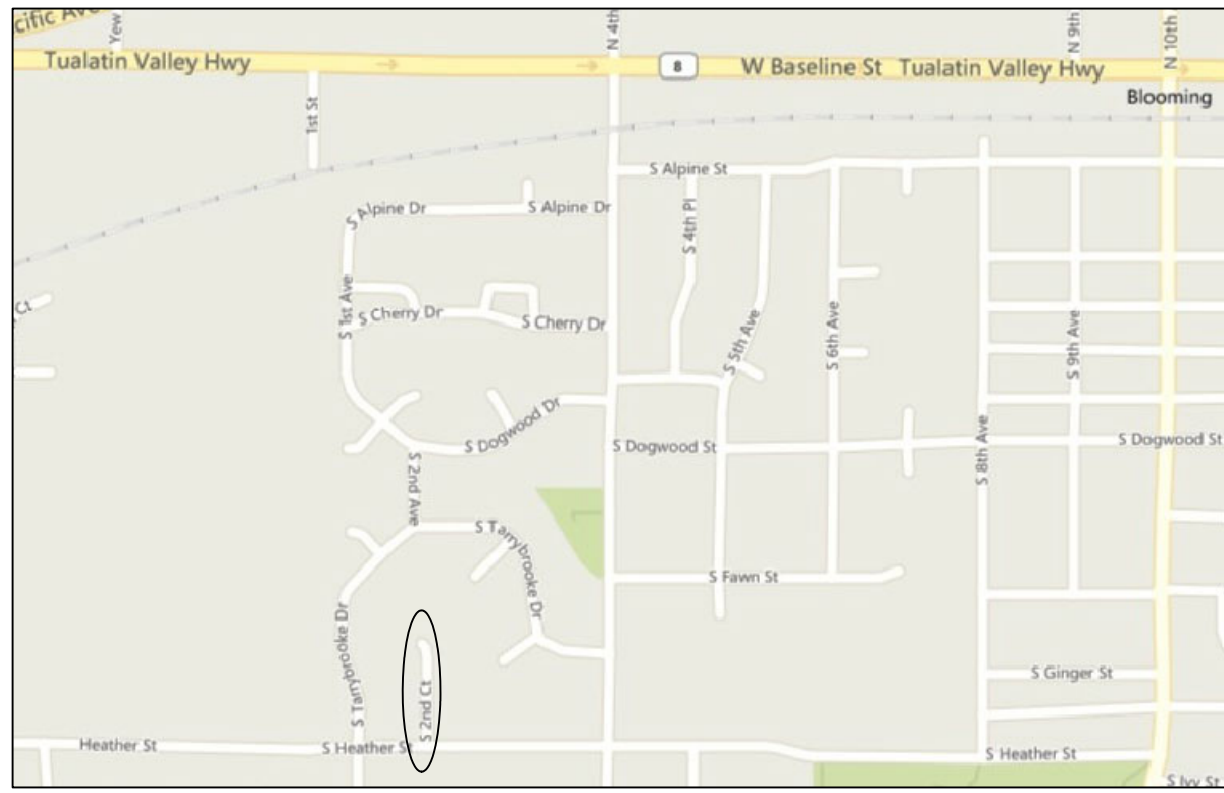
CORNELIUS, OR 97113 (503) 357-3011

SHEET

1



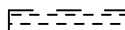
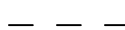

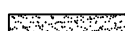
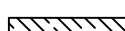
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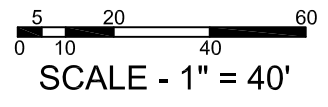
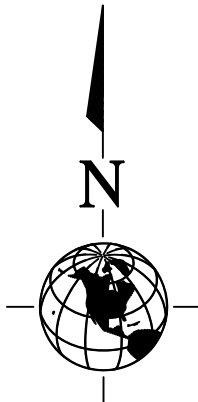
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LEGEND

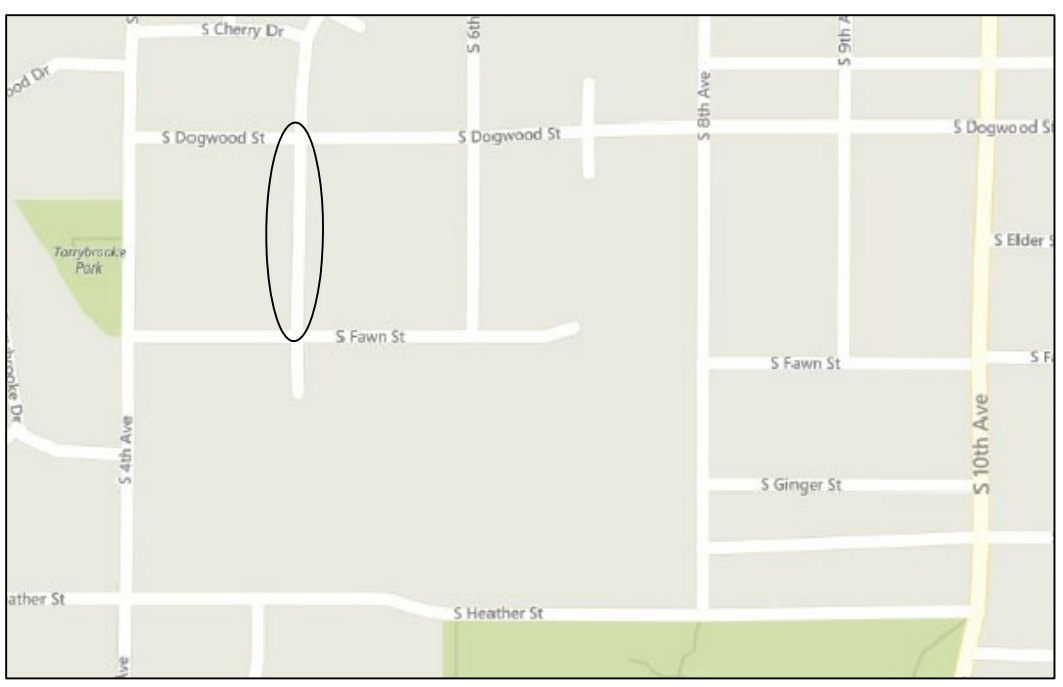
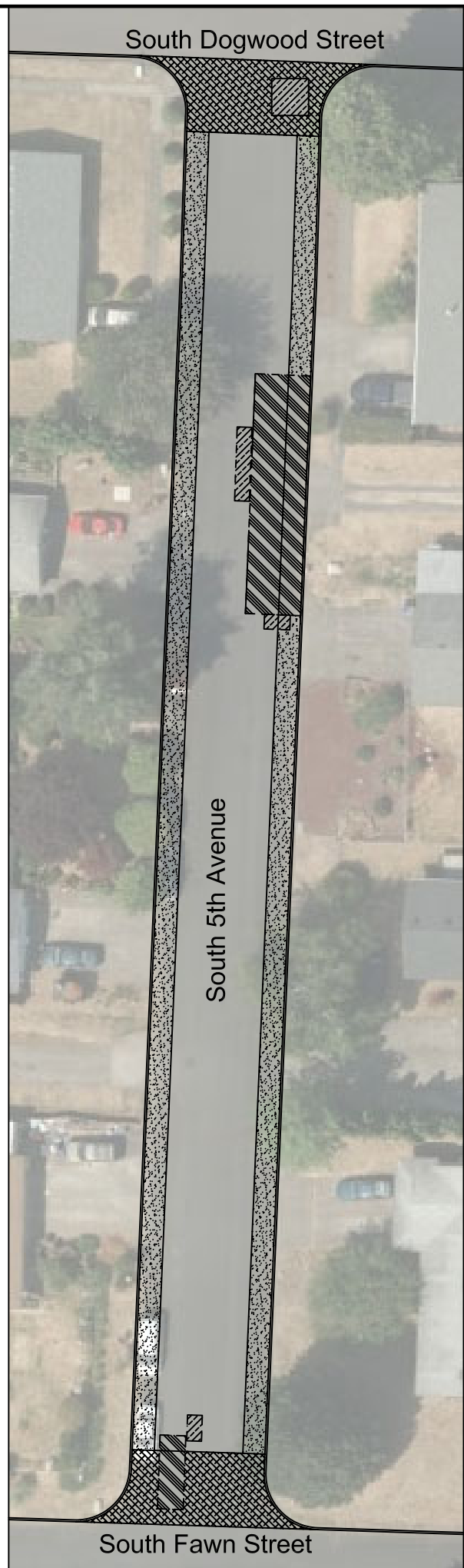
-  EXISTING TRENCH RECOMPACTION
-  ROADWAY EXCAVATION AND REBUILD
-  PAVEMENT OVERLAY
-  SAWCUT BOUNDARY
-  AREA GRIND
-  PROFILE GRIND
-  FULL DEPTH RECLAMATION

NOTES:

- FULL DEPTH RECLAMATION
 - EXISTING ASPHALT SHALL BE REMOVED AND HAUL OFF SITE.
 - PULVERIZING SHALL BE COMPLETED TO A DEPTH OF 12 INCHES AS MEASURED FROM TOP OF EXISTING AGGREGATE BASE.
 - MIXING SHALL BE COMPLETED TO A DEPTH OF 12 INCHES MEASURED FROM FINISH GRADE OF THE TREATED AGGREGATE BASE.
- ASPHALT PAVING
 - PROVIDE TWO 2 INCH THICK LIFTS OF ASPHALT PER DETAIL S-1 (LOCAL STREET SECTION).



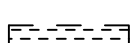


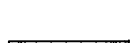



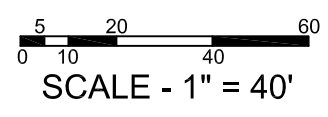
PAVEMENT RESTORATION 2019-2020 Cornelius, Oregon 97113 S. 2ND COURT S. HEATHER STREET TO CUL DE SAC	
DESIGNED BY: KGO DRAWN BY: KGO CHECKED BY: TWK ISSUE DATE: 3/6/2020	
CITY OF CORNELIUS PUBLIC WORKS 1300 S. KODIAK CIRCLE CORNELIUS, OR 97113 (503) 357-9011	
SHEET	2 OF 9



NOT TO SCALE

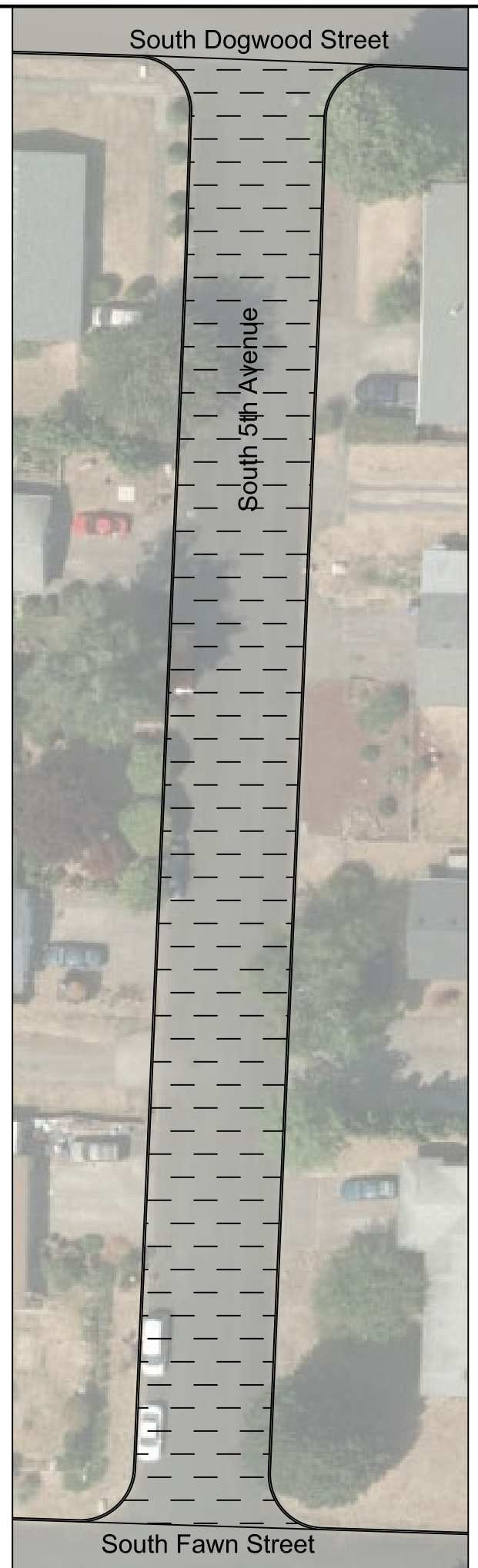
LEGEND


-  EXISTING TRENCH RECOMPACTION
-  ROADWAY EXCAVATION AND REBUILD
-  PAVEMENT OVERLAY
-  SAWCUT BOUNDARY
-  AREA GRIND
-  PROFILE GRIND
-  FULL DEPTH RECLAMATION

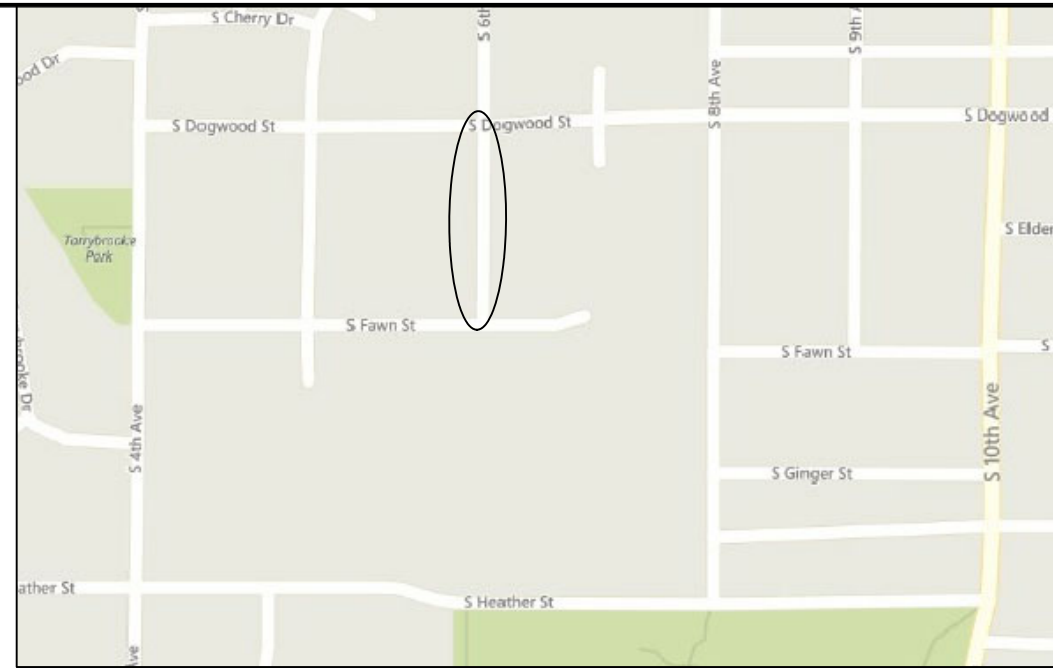
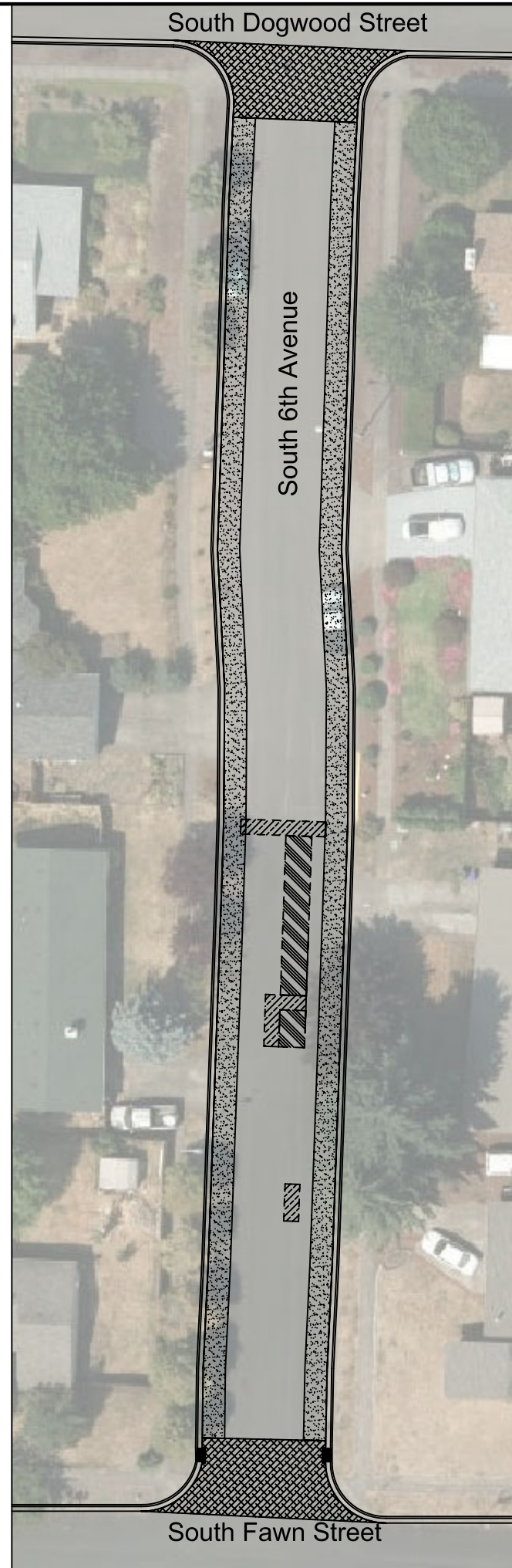


NOTES:

- ASPHALT PAVING
 - PROVIDE TWO 1.5" INCH THICK LIFTS OF ASPHALT




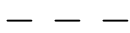


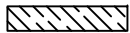


	PAVEMENT RESTORATION 2019-2020 Cornelius, Oregon 97113 S. 5TH AVENUE S. FAWN STREET TO S. DOGWOOD STREET
DESIGNED BY:	KGO
DRAWN BY:	KGO
CHECKED BY:	TWK
ISSUE DATE:	3/3/2020
	
CITY OF CORNELIUS PUBLIC WORKS 1300 S. KODIAK CIRCLE CORNELIUS, OR 97113 (503) 357-9011	
SHEET	3 OF 9



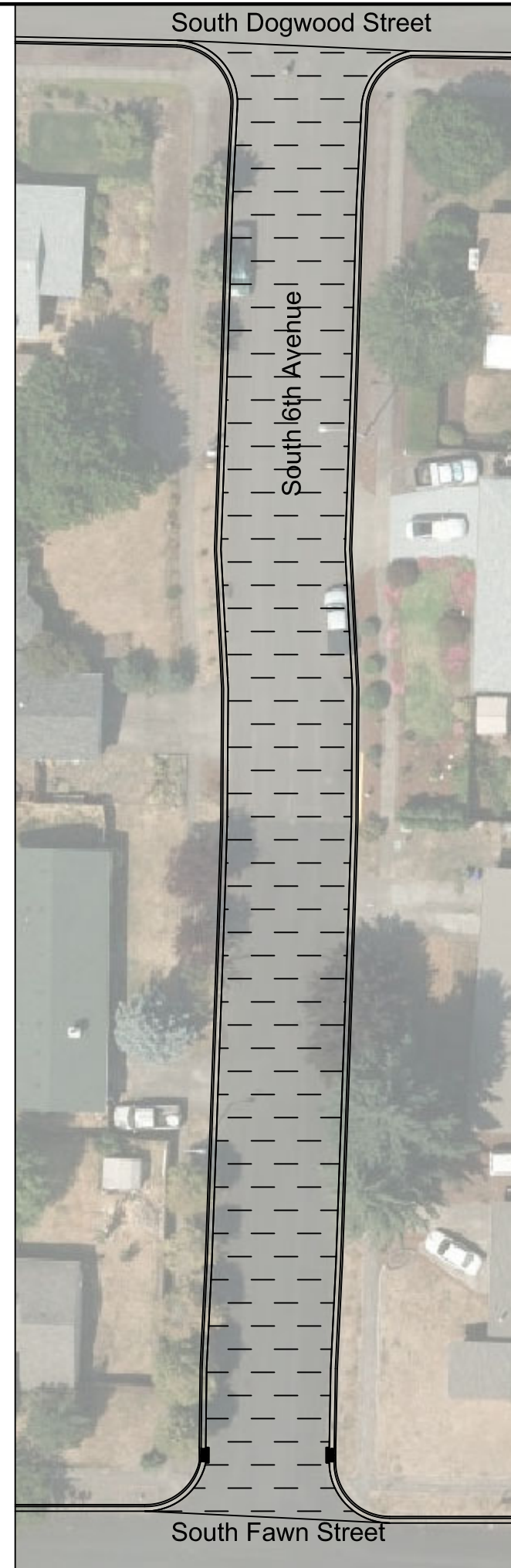
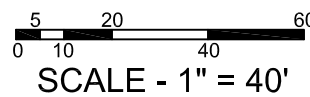
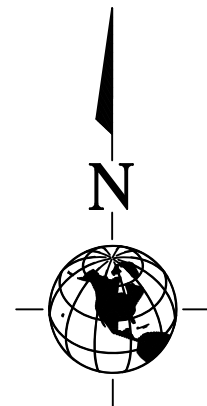
NOT TO SCALE

LEGEND

-  EXISTING TRENCH RECOMPACTION
-  ROADWAY EXCAVATION AND REBUILD
-  PAVEMENT OVERLAY
-  SAWCUT BOUNDARY
-  AREA GRIND
-  PROFILE GRIND
-  FULL DEPTH RECLAMATION

NOTES:

- ASPHALT PAVING
- PROVIDE ONE 2 INCH THICK LIFT OF ASPHALT



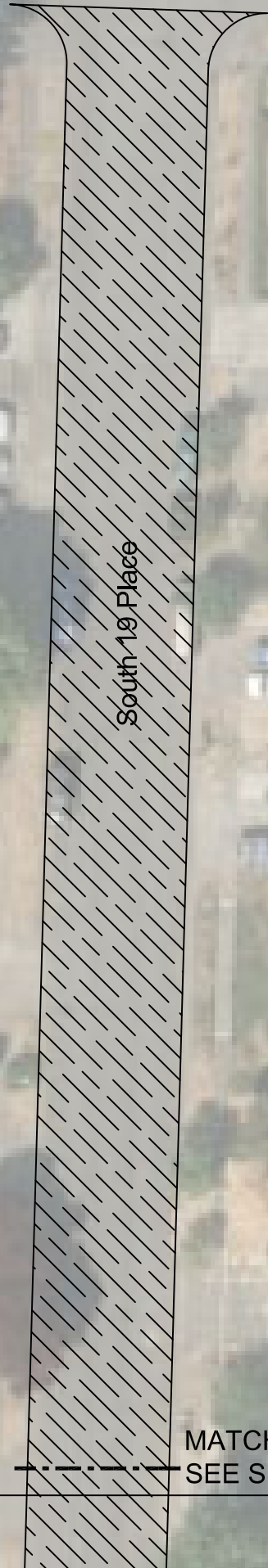
DESIGNED BY: KGO	DRAWN BY: KGO	CHECKED BY: TWK	ISSUE DATE: 3/6/2020
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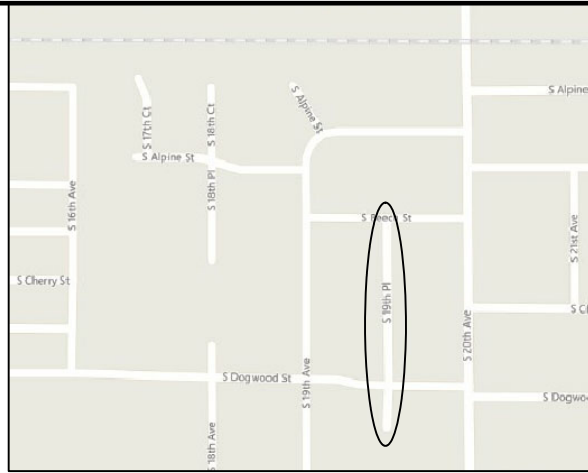
CITY OF CORNELIUS PUBLIC WORKS
1300 S. KODIAK CIRCLE
CORNELIUS, OR 97113 (503) 357-9011

PAVEMENT RESTORATION
2019-2020
Cornelius, Oregon 97113
S. 6TH AVENUE
S. DOGWOOD STREET TO S. FAWN STREET

South Beech Street



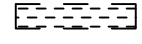
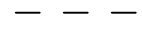

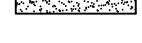
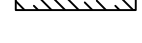


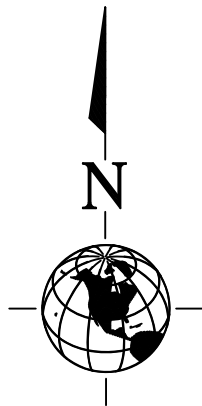
MATCHLINE - SEE SHEET 6



NOT TO SCALE

LEGEND

-  EXISTING TRENCH RECOMPACTION
-  ROADWAY EXCAVATION AND REBUILD
-  PAVEMENT OVERLAY
-  SAWCUT BOUNDARY
-  AREA GRIND
-  PROFILE GRIND
-  FULL DEPTH RECLAMATION

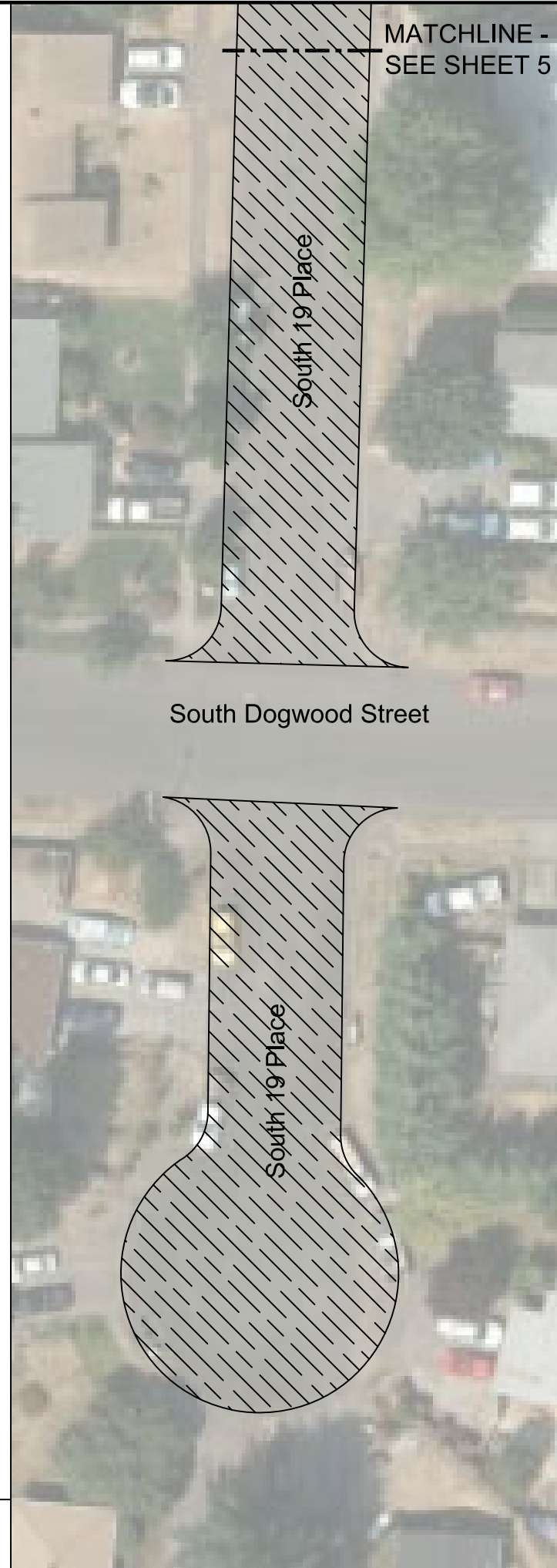


0 5 10 20 40 60
SCALE - 1" = 40'

NOTES:

- FULL DEPTH RECLAMATION
 - EXISTING ASPHALT SHALL BE REMOVED AND HAULED OFF SITE.
 - PULVERIZING SHALL BE COMPLETED TO A DEPTH OF 12 INCHES AS MEASURED FROM TOP OF EXISTING AGGREGATE BASE.
 - MIXING SHALL BE COMPLETED TO A DEPTH OF 12 INCHES MEASURED FROM FINISH GRADE OF THE TREATED AGGREGATE BASE.
- ASPHALT PAVING
 - PROVIDE TWO 2 INCH THICK LIFTS OF ASPHALT PER DETAIL S-1.

MATCHLINE - SEE SHEET 5



South Dogwood Street

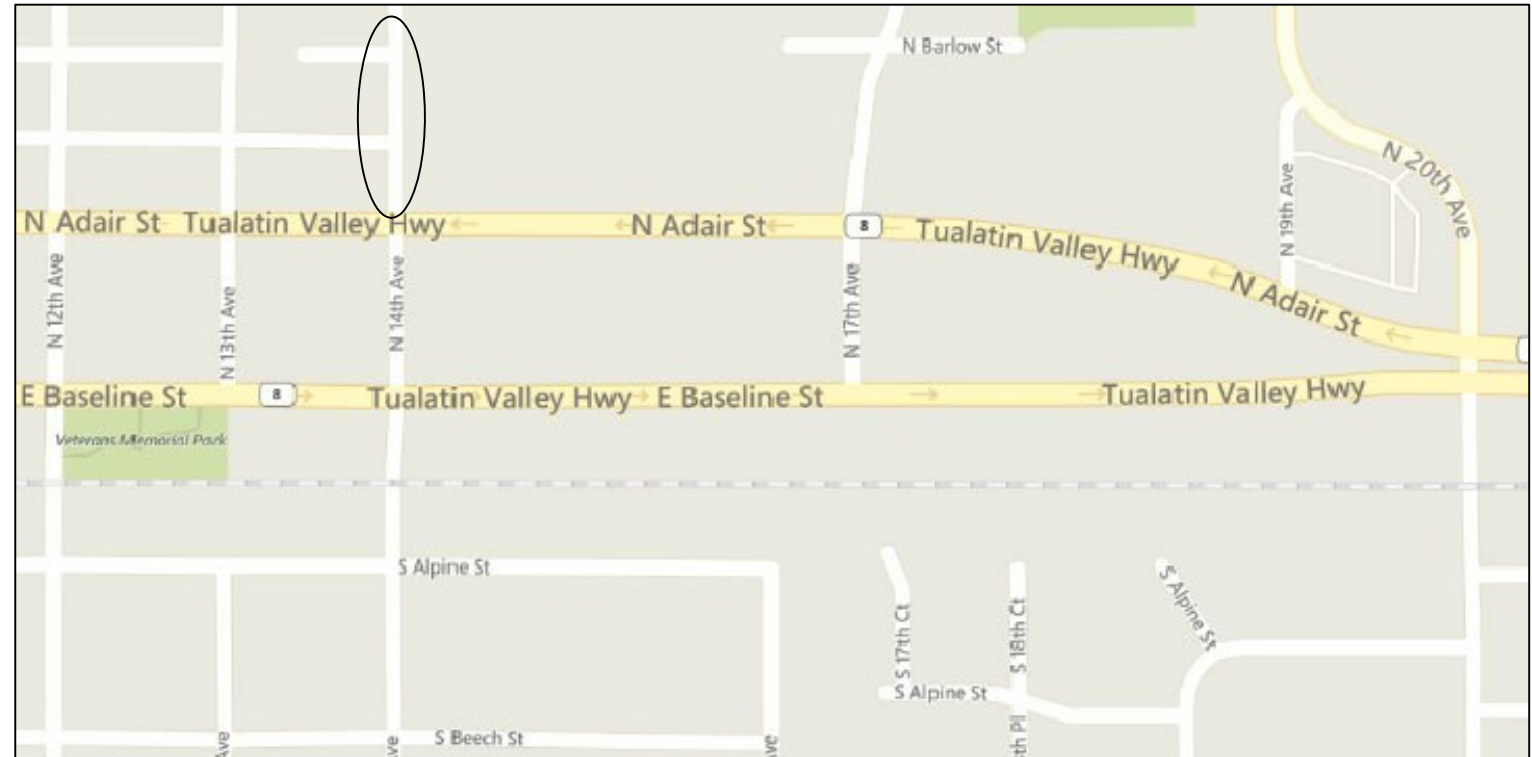
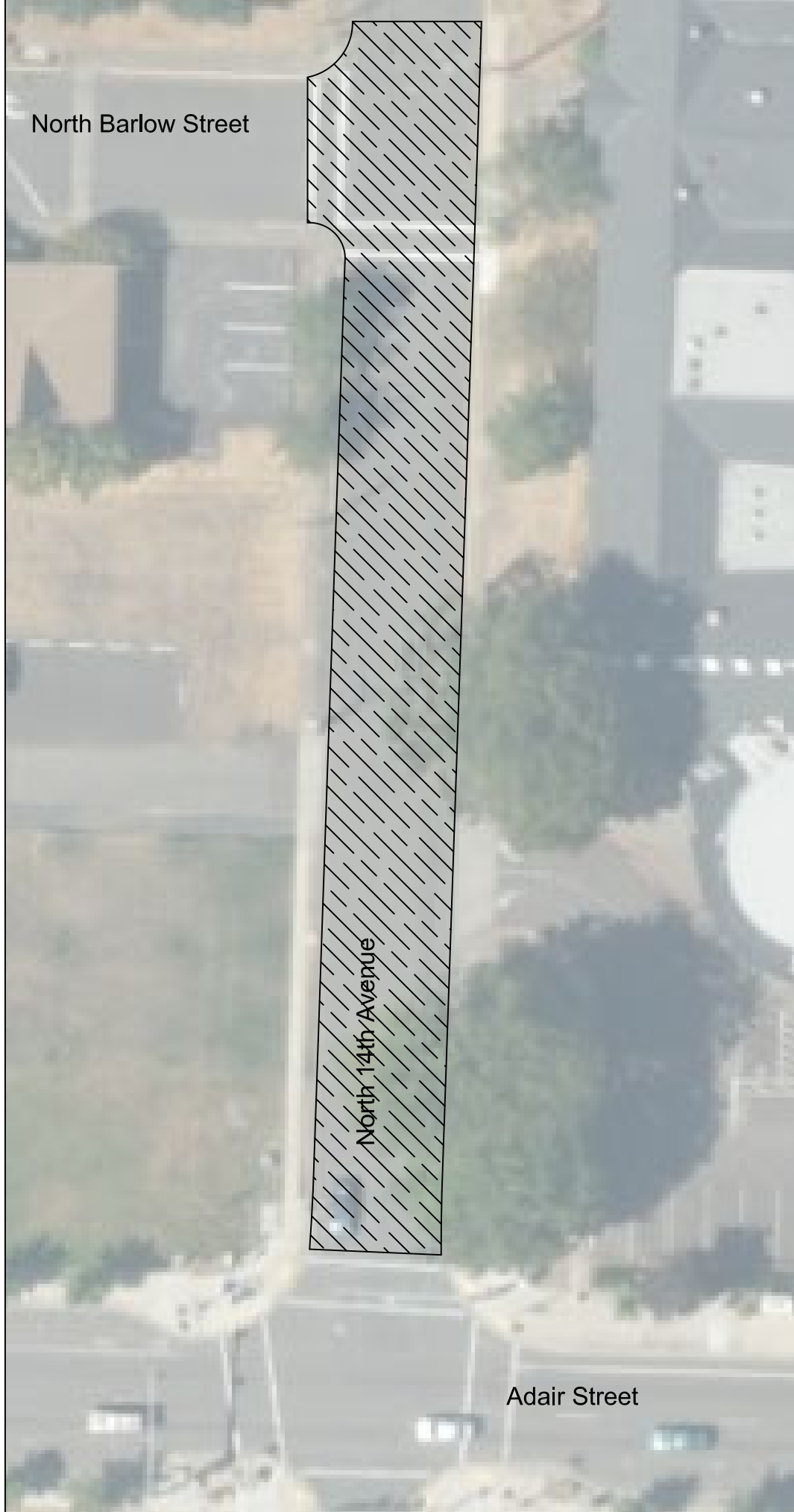
PAVEMENT RESTORATION
2019-2020
Cornelius, Oregon 97113

S. 19TH PLACE
S. BEECH STREET TO S. DOGWOOD STREET

DESIGNED BY: KGO
DRAWN BY: KGO
CHECKED BY: TWK
ISSUE DATE: 3/6/2020

Cornelius
Oregon's Family Town

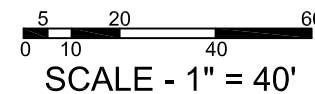
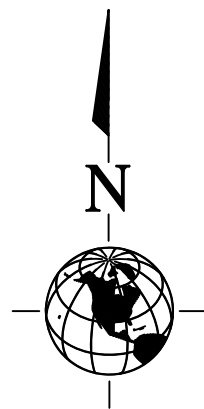
CITY OF CORNELIUS PUBLIC WORKS
1300 S. KODIAK CIRCLE
CORNELIUS, OR 97113 (503) 357-3011



NOT TO SCALE

LEGEND

- EXISTING TRENCH RECOMPACTION
- ROADWAY EXCAVATION AND REBUILD
- PAVEMENT OVERLAY
- SAWCUT BOUNDARY
- AREA GRIND
- PROFILE GRIND
- FULL DEPTH RECLAMATION



NOTES:

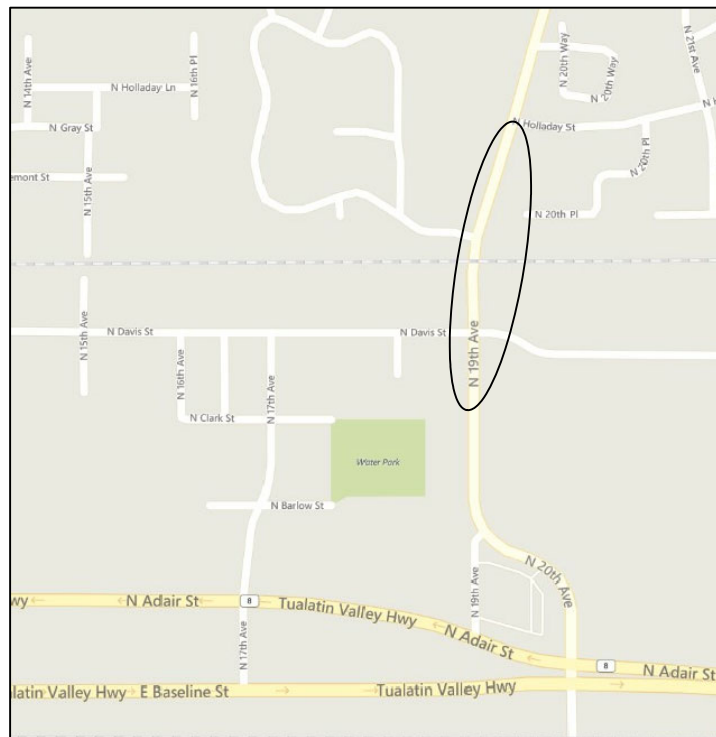
- FULL DEPTH RECLAMATION
 - EXISTING ASPHALT SHALL BE REMOVED AND HAULED OFF SITE.
 - PULVERIZING SHALL BE COMPLETED TO A DEPTH OF 16 INCHES AS MEASURED FROM TOP OF EXISTING AGGREGATE BASE.
 - MIXING SHALL BE COMPLETED TO A DEPTH OF 16 INCHES MEASURED FROM FINISH GRADE OF THE TREATED AGGREGATE BASE.
- ASPHALT PAVING
 - PROVIDE TWO 3 INCH THICK LIFTS OF ASPHALT PER DETAIL S-1. (COLLECTOR STREET SECTION)

PAVEMENT RESTORATION
2019-2020
Cornelius, Oregon 97113
N. 14TH AVENUE
N. BARLOW STREET TO ADAIR STREET

DESIGNED BY:
KGO
DRAWN BY:
KGO
CHECKED BY:
TWK
ISSUE DATE:
3/6/2020



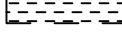
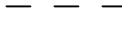
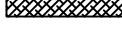
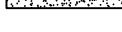
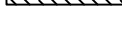


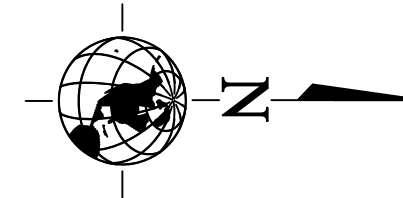
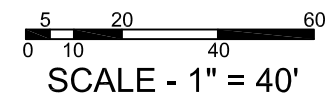
CITY OF CORNELIUS PUBLIC WORKS
1300 S. KODIAK CIRCLE
CORNELIUS, OR 97113 (503) 357-9011



NOT TO SCALE

LEGEND

-  EXISTING TRENCH RECOMPACTION
-  ROADWAY EXCAVATION AND REBUILD
-  PAVEMENT OVERLAY
-  SAWCUT BOUNDARY
-  AREA GRIND
-  PROFILE GRIND
-  FULL DEPTH RECLAMATION

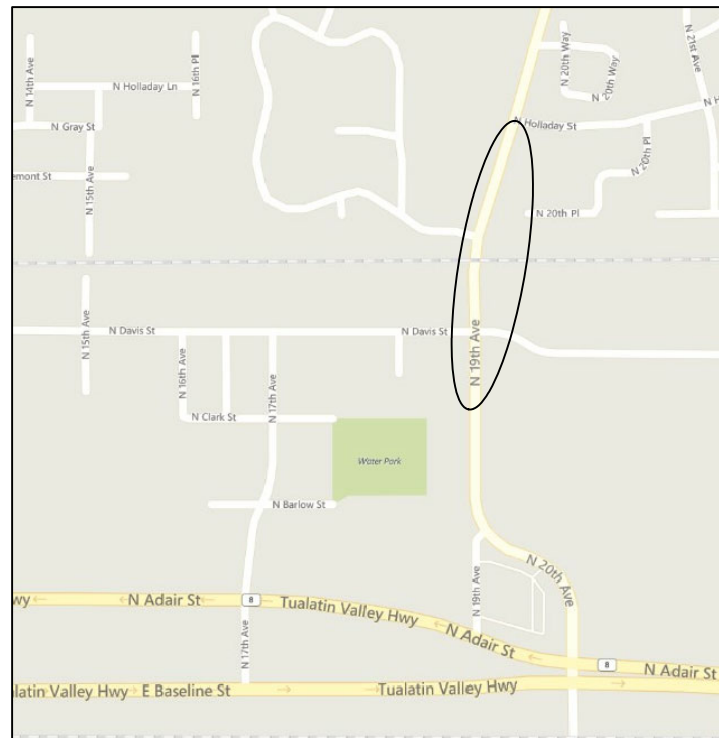


PAVEMENT RESTORATION
2019-2020
Cornelius, Oregon 97113
N. 19TH AVENUE
BEGIN 50' SOUTH OF RR THEN
450' NORTH TOWARD HOLLADAY

DESIGNED BY:
KGO
DRAWN BY:
KGO
CHECKED BY:
TWK
ISSUE DATE:
3/6/2020



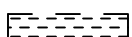


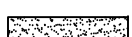
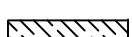

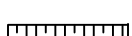
Cornelius
Oregon's Family Town

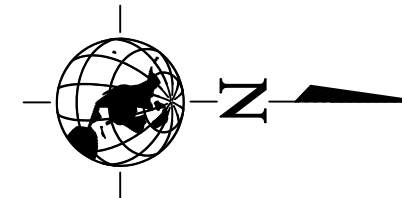
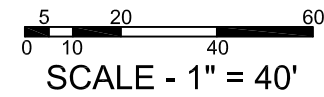
CITY OF CORNELIUS PUBLIC WORKS
1300 S. KODIAK CIRCLE
CORNELIUS, OR 97113 (503) 357-3011



NOT TO SCALE

LEGEND

-  EXISTING TRENCH RECOMPACTION
-  ROADWAY EXCAVATION AND REBUILD
-  PAVEMENT OVERLAY
-  SAWCUT BOUNDARY
-  AREA GRIND
-  PROFILE GRIND
-  FULL DEPTH RECLAMATION
-  ASPHALT DRIVEWAY APPROACH
-  SHOULDER ROCK



NOTES:

- ASPHALT PAVING
 - PROVIDE ONE 2 INCH THICK LIFT OF ASPHALT PER DETAIL S-1.

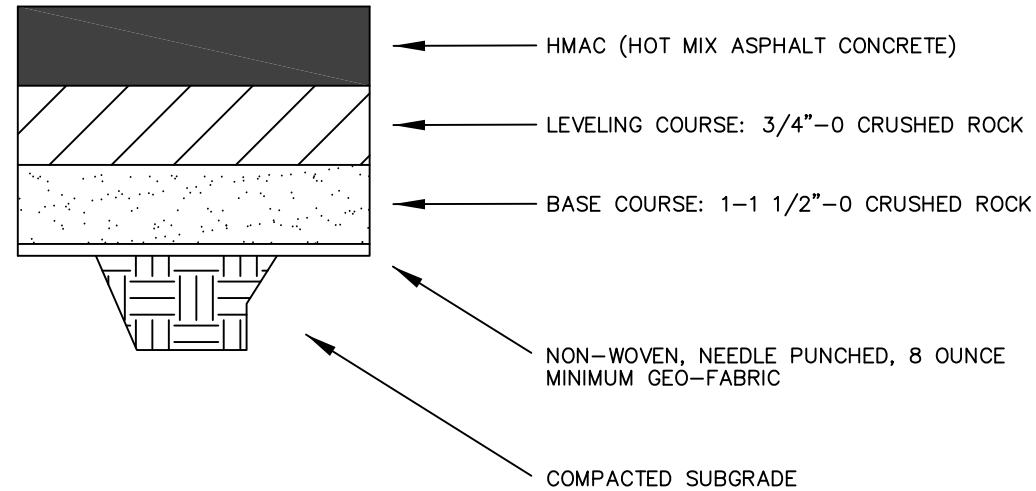
PAVEMENT RESTORATION
2019-2020
Cornelius, Oregon 97113
N. 19TH AVENUE
BEGIN 50' SOUTH OF RR THEN
450' NORTH TOWARD HOLLADAY

DESIGNED BY:
KGO
DRAWN BY:
KGO
CHECKED BY:
TWK
ISSUE DATE:
3/6/2020

Cornelius
Oregon's Family Town

CITY OF CORNELIUS PUBLIC WORKS
1300 S. KODIAK CIRCLE
CORNELIUS, OR 97113 (503) 357-9011

CROSS-SECTION



THICKNESS

	ARTERIALS AND INDUSTRIAL STREETS	COLLECTORS	LOCAL STREETS	ALLEYS	MAINTENANCE ACCESS ROADS
HMAC	LEVEL 3 6"	LEVEL 2 6"	LEVEL 2 4"	LEVEL 2 3"	LEVEL 2 3"
LEVELING COURSE	2"	2"	2"	2"	2"
BASE COURSE	14"	14"	10"	10"	6"

NOTE:

1. THE MAXIMUM LIFT THICKNESS FOR HMAC SHALL BE 2 INCHES.
2. SUBGRADE COMPACTED TO 95% AASHTO T-99
3. ALLEYS ARE GENERALLY PAVED WITH CONCRETE. THE ALLEY COLUMN IN THE TABLE ABOVE IS FOR SITUATIONS WHERE ONLY A PORTION OF AN EXISTING ALLEY IS PAVED.

NOTES:

- PER THE SPECIFICATIONS FOR FULL DEPTH RECLAMATION (FDR), SECTION 00643.47 CURING, THE FDR MUST BE ALLOWED TO CURE FOR 4 DAYS FOLLOWING FINAL GRADING. HEAVY VEHICLE TRAFFIC SHALL BE REROUTED AROUND THE CEMENT TREATED BASE. HEAVY VEHICLE TRAFFIC INCLUDES SCHOOL BUSES AND GARBAGE/RECYCLING TRUCKS. BELOW ARE THE GARBAGE AND RECYCLING SERVICE DAYS FOR EACH ROADWAY IN THE PROJECT.
 - MONDAY SERVICE - S. 2ND COURT, S. 5TH AVENUE, AND S. 6TH AVENUE.
 - THURSDAY SERVICE - S. 19TH PLACE AND N. 14TH AVENUE
- CONTRACTOR SHALL SCHEDULE THE CURING TIME ON DAYS NOT SCHEDULED FOR GARBAGE SERVICE.
- CONSTRUCTION ON NORTH 14TH AVENUE SHALL BEGIN AFTER JUNE 12, 2020.



ASPHALT PAVEMENT THICKNESS

STREETS

S - 1

2/6/17

PAVEMENT RESTORATION 2019-2020
Cornelius, Oregon 97113

DETAILS
AND NOTES

DESIGNED BY:
KGO
DRAWN BY:
KGO
CHECKED BY:
TWK
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SHEET 9 OF 9