

Mayor
Honorable Tom Ellis



City Manager
Jason A. Tuck, ICMA-CM

Addendum No. 1

May 27, 2020

For The Contract Documents For The

2020 Street Improvement Project CIP-02-20

NOTICE TO ALL PLAN HOLDERS:

You are hereby notified of the following clarifications, additions, and/or revisions to the contract documents for the above referenced project:

Cover Sheet (1)

Added "All Schedules" to the sheet index.

SE Cresthill Road Improvements (12)

Added "Schedule D" to the sheet title.

SE Cresthill Road Commercial Driveway Details (13)

Added "Schedule D" to the sheet title.

SE Nyla Way ADA Ramp Details (19)

Changed "Schedule F" to Schedule H in the sheet title.

General Construction Notes (20)

Added "All Schedules" to the sheet title.

16000 SE Misty Drive
Happy Valley, Oregon 97086-4288
Telephone: (503) 783-3800 Fax: (503) 658-5174
Website: www.ci.happy-valley.or.us

Standard Details (21)

Added "All Schedules" to the sheet title.

Standard Details (22)

Added "All Schedules" to the sheet title.

Erosion & Sediment Control Notes & Details (23)

Added "All Schedules" to the sheet title.

Carol Earle, PE

Contractors Acknowledgement of Addendum No. 1:

Signature

Date

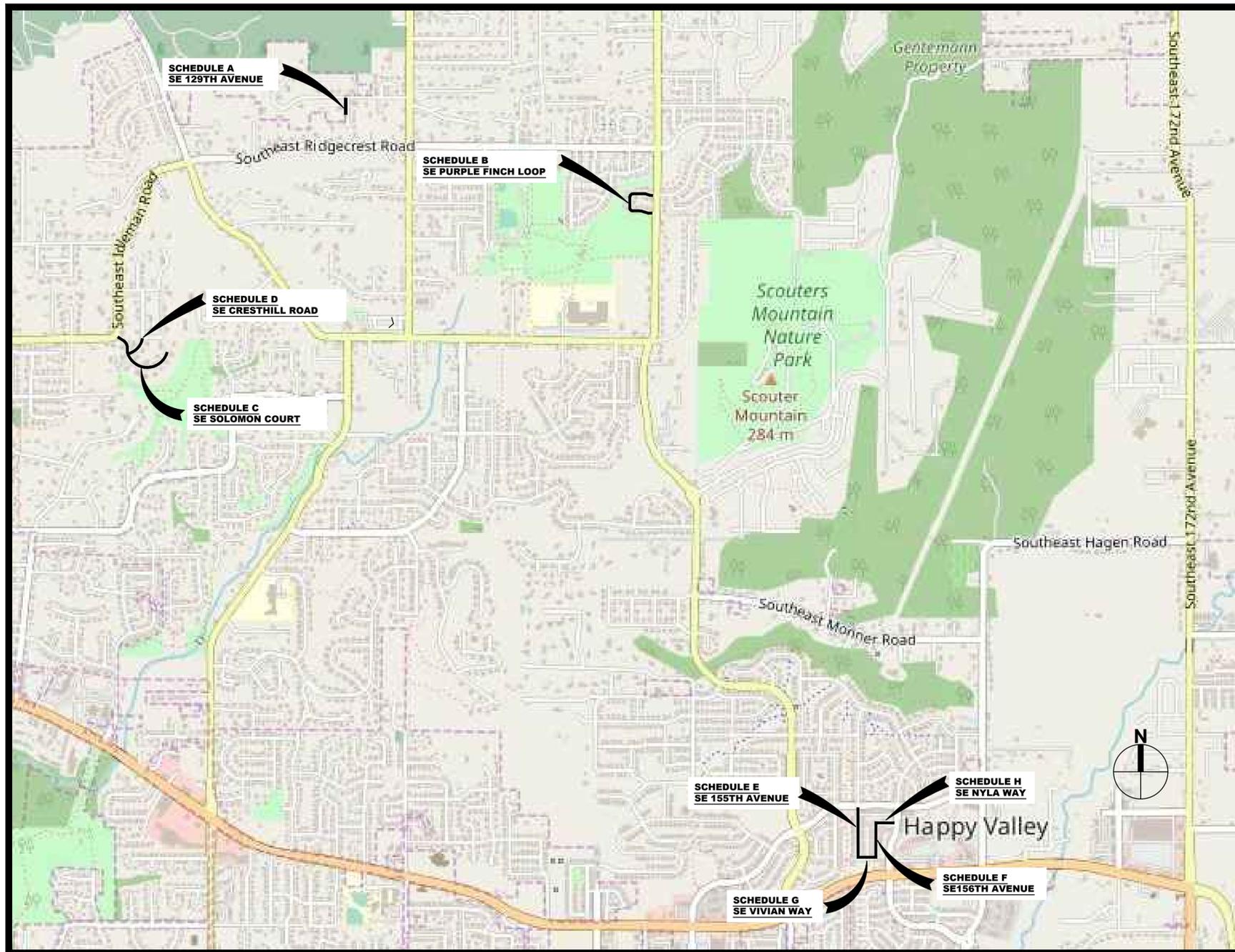
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CITY OF HAPPY VALLEY

2020 STREET IMPROVEMENT PROJECT

CLACKAMAS COUNTY, OREGON

MAY 2020



VICINITY MAP
NTS

SHEET INDEX

- 1 COVER SHEET AND INDEX
- SCHEDULE 'A':
- 2 SE 129TH AVENUE IMPROVEMENTS
- SCHEDULE 'B':
- 3 SE PURPLE FINCH LOOP IMPROVEMENTS
- 4 SE PURPLE FINCH NORTHERLY ADA RAMP DETAILS
- 5 SE PURPLE FINCH SOUTHERLY ADA RAMP DETAILS
- SCHEDULE 'C':
- 6 SE SOLOMON COURT IMPROVEMENTS
- 7 SE SOLOMON COURT ADA RAMP DETAILS
- 8 SE SOLOMON COURT ADA RAMP DETAILS
- 9 SE SOLOMON COURT ADA RAMP DETAILS
- 10 SE SOLOMON COURT ADA RAMP DETAILS
- 11 SE SOLOMON COURT ADA RAMP DETAILS
- SCHEDULE 'D':
- 12 SE CRESTHILL ROAD IMPROVEMENTS
- 13 SE CRESTHILL ROAD COMMERCIAL DRIVEWAY DETAILS
- SCHEDULE 'E':
- 14 SE 155TH AVENUE IMPROVEMENTS
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- SCHEDULE 'G':
- 17 SE VIVIAN WAY IMPROVEMENTS
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- 18 SE NYLA WAY IMPROVEMENTS
- 19 SE NYLA WAY ADA RAMP DETAILS
- △ ALL SCHEDULES:
- 20 GENERAL CONSTRUCTION NOTES
- 21 STANDARD DETAILS
- 22 STANDARD DETAILS
- 23 EROSION & SEDIMENT CONTROL NOTES & DETAILS

LEGEND

- PROPOSED FULL-DEPTH RECONSTRUCTION
- PROPOSED GRIND & INLAY
- PROPOSED OVERLAY AREA
- EXISTING CONCRETE SIDEWALK
- EXISTING CONCRETE CURB
- EXISTING CATCH BASIN
- EXISTING MANHOLE (STORM/SANITARY)
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING MONUMENT
- PROPOSED TACTILE WARNING
- PROPOSED STOP BAR
- PROPOSED CONCRETE CURB
- PROPOSED CONCRETE SIDEWALK

COVID-19 PHYSICAL DISTANCING PLAN

BIDDER MUST SUBMIT A WORK PLAN OR WRITTEN DESCRIPTION EXPLAINING HOW THE BIDDER WILL MEET ALL CENTER FOR DISEASE CONTROL (CDC) AND OREGON HEALTH AUTHORITY (OHA) RECOMMENDATIONS ON PHYSICAL DISTANCING AND PERSONAL PROTECTIVE EQUIPMENT TO SLOW THE SPREAD OF COVID-19. THE CITY MAY REQUEST UPDATED PLANS AS RECOMMENDATIONS CHANGE AND ACTIONS SHOULD REFLECT CURRENT RECOMMENDATIONS AT THE TIME OF CONSTRUCTION. THE PLAN MAY BE A WORD DOCUMENT OR WORK PLAN OUTLINE HOW PHYSICAL DISTANCING WILL BE MET WHILE PERFORMING WORK AS DESCRIBED IN THE SCOPE OF WORK.

THE CITY HAS THE ABILITY TO ADJUST THE PROJECT SCHEDULE DUE TO STATE MANDATES

NOTE:

CONTRACTORS ARE TO BUILD ALL CURB RAMPS TO MEET CURRENT ADA REGULATIONS AND CURRENT CITY OF HAPPY VALLEY STANDARD DETAILS. TRANSITION PANELS WITH SLOPES THAT EXCEED 8.3% AT 15 FEET FROM THE CURB RAMP WILL NEED DESIGN EXCEPTIONS GRANTED BY THE CITY. CONTRACTORS TO NOTIFY ENGINEER WHEN FORMS ARE SET AND READY FOR VIEW AND APPROVAL BEFORE CONCRETE IS PLACED.

QA/QC APPROVAL
THESE DOCUMENTS HAVE BEEN REVIEWED BY:
NAME: _____ DATE: _____



Know what's below.
Call before you dig.



DWG: P:\P19\19882 - Happy Valley - 2020 Overlay\CAD\ENGINEERING\SHEETS\19882CV.dwg
 DATE: May 27, 2020 9:47am
 USER: marko

DESIGNED	BL	△	ADDENDUM 1	5/26	MA	BL
DRAWN	MA		ISSUED FOR BID	5/20	MA	BL
CHECKED	JS		REVISED PER CITY COMMENTS	4/20	MA	BL
	SYM		REVISION	DATE	BY	APP'D



4500 Kruse Way, Suite 250
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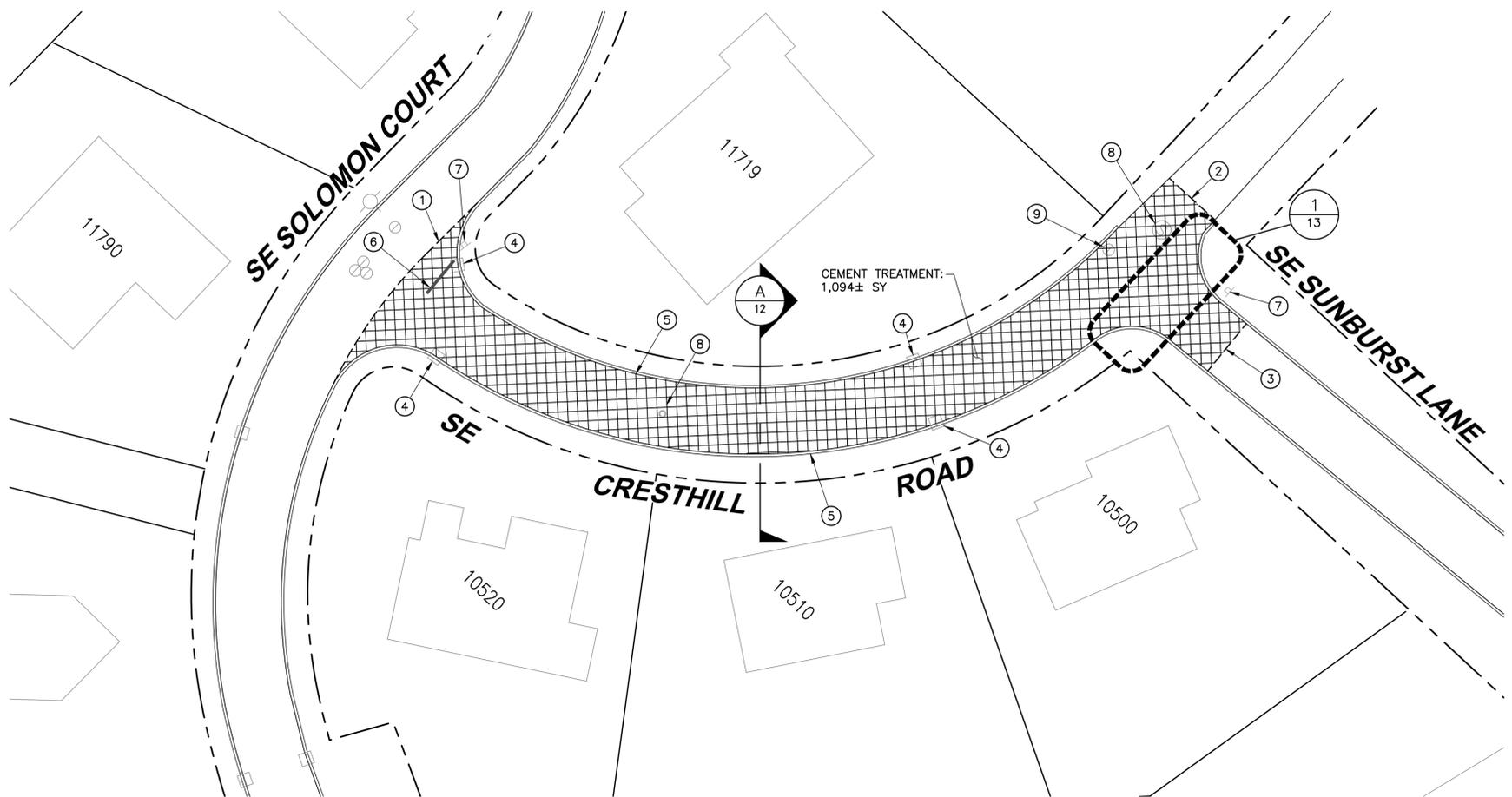


CITY OF HAPPY VALLEY
ENGINEERING DEPARTMENT
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DATE	MAY 2020
SCALE	AS SHOWN

2020 STREET IMPROVEMENTS PROJECT
CIP-02-20
COVER SHEET

JOB NUMBER	19882.00
SHEET NAME	P19882CV
SHEET	1 OF 23

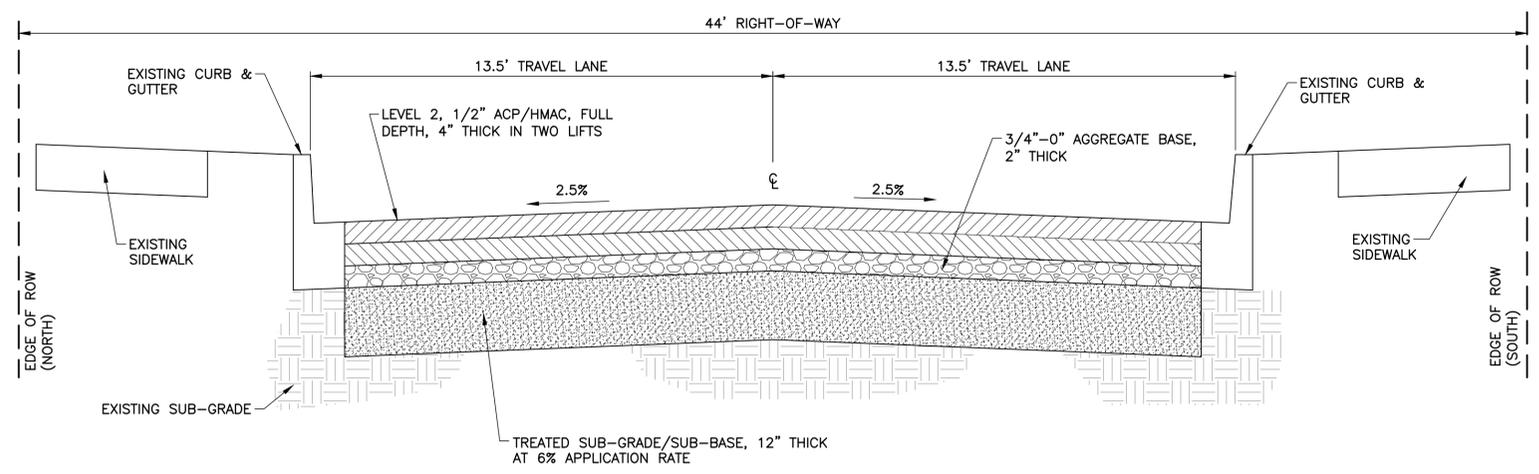
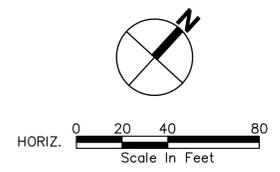


GENERAL NOTES:

1. REMOVE EXISTING PAVEMENT SURFACE TO 4" BELOW EXISTING STREET GRADE. REMOVE ADDITIONAL MATERIAL AS NEEDED TO COMPENSATE FOR ADDITION OF CEMENT POWDER VOLUME.
2. CONTRACTOR TO ADD ADDITIONAL ROCK AS NEED TO CREATE NEW CROSS SECTION AS SHOWN IN TYPICAL CROSS SECTION BELOW.

NOTES

1. SAWCUT EXISTING ASPHALT AND START RECONSTRUCTION ACTIVITY WHERE MARKED BY CITY IN FIELD. SEE TYPICAL CROSS SECTION, THIS SHEET.
2. SAWCUT EXISTING ASPHALT AND END RECONSTRUCTION ACTIVITY WHERE MARKED IN FIELD.
3. SAWCUT EXISTING ASPHALT AND END RECONSTRUCTION ACTIVITY WHERE MARKED IN FIELD.
4. PROTECT EXISTING CATCH BASIN AND INSTALL ESC BMP PER DETAILS 915 OR 920 ON SHEET 23.
5. PROTECT EXISTING CURB AND GUTTER.
6. INSTALL STOP BAR AS MARKED IN FIELD PER DETAIL 330 ON SHEET 22
7. PROTECT EXISTING STOP SIGN.
8. ADJUST MANHOLE RIM(S) AS NEEDED.
9. ADJUST VALVE CAN LID(S) AS NEEDED.
10. ASPHALT GRIND REMOVAL.



SCHEDULE 'D' TYPICAL CROSS SECTIONS
NTS



DWG: P:\19\19882 - Happy Valley - 2020 Overlay\CAD\ENGINEERING\SHEETS\19882_CRESTHILL.dwg
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 USER: marka
 XREFS: X19882_Solomon

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DRAWN	MA	ISSUED FOR BID	5/20	MA	BL
CHECKED	JS	REVISED PER CITY COMMENTS	4/20	MA	BL
	SYM	REVISION	DATE	BY	APP'D

PACE
An Engineering Services Company
4500 Kruse Way, Suite 250
Lake Oswego, OR 97035
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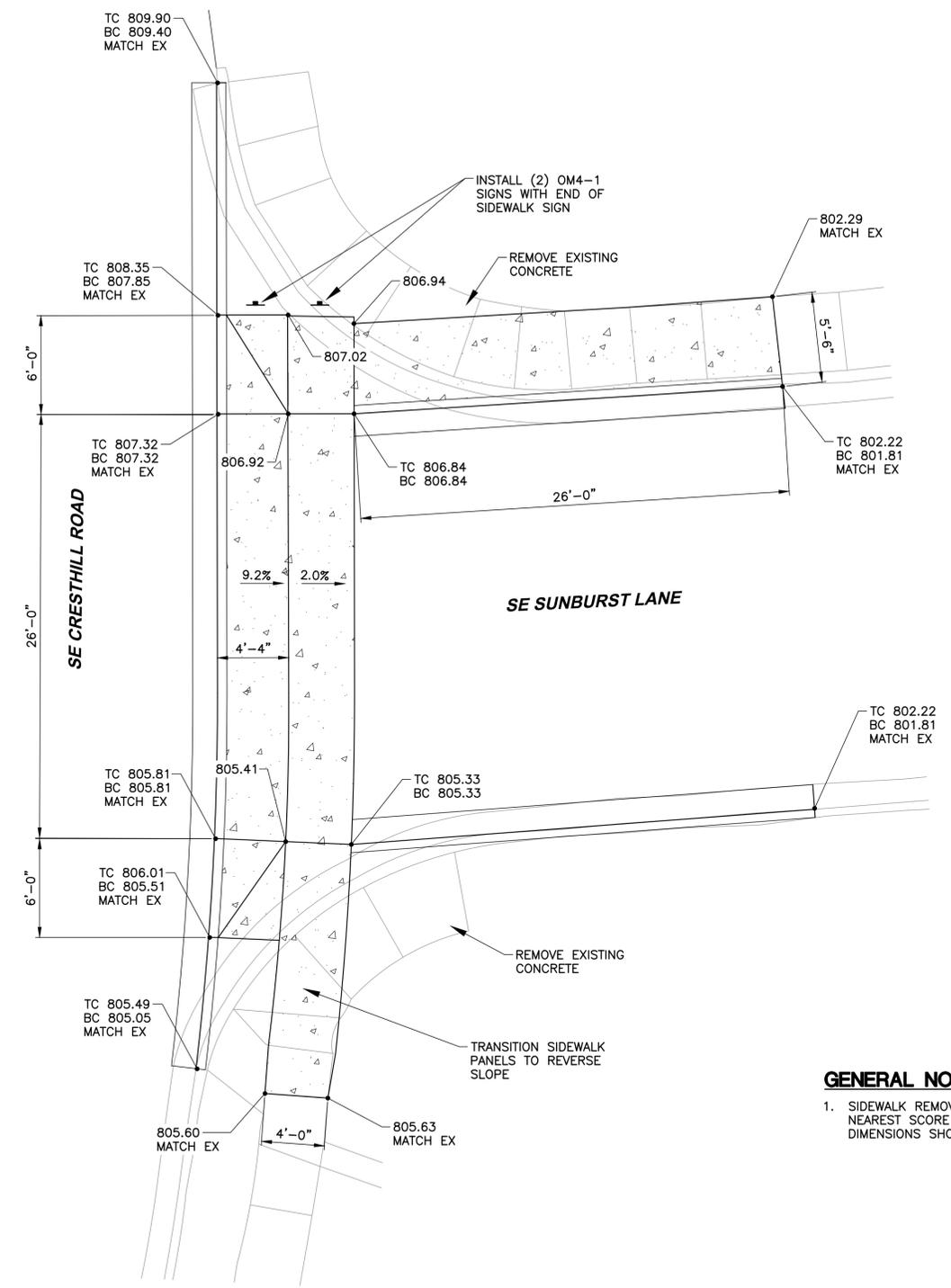
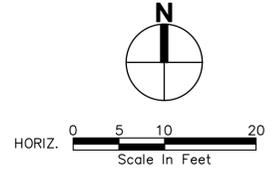
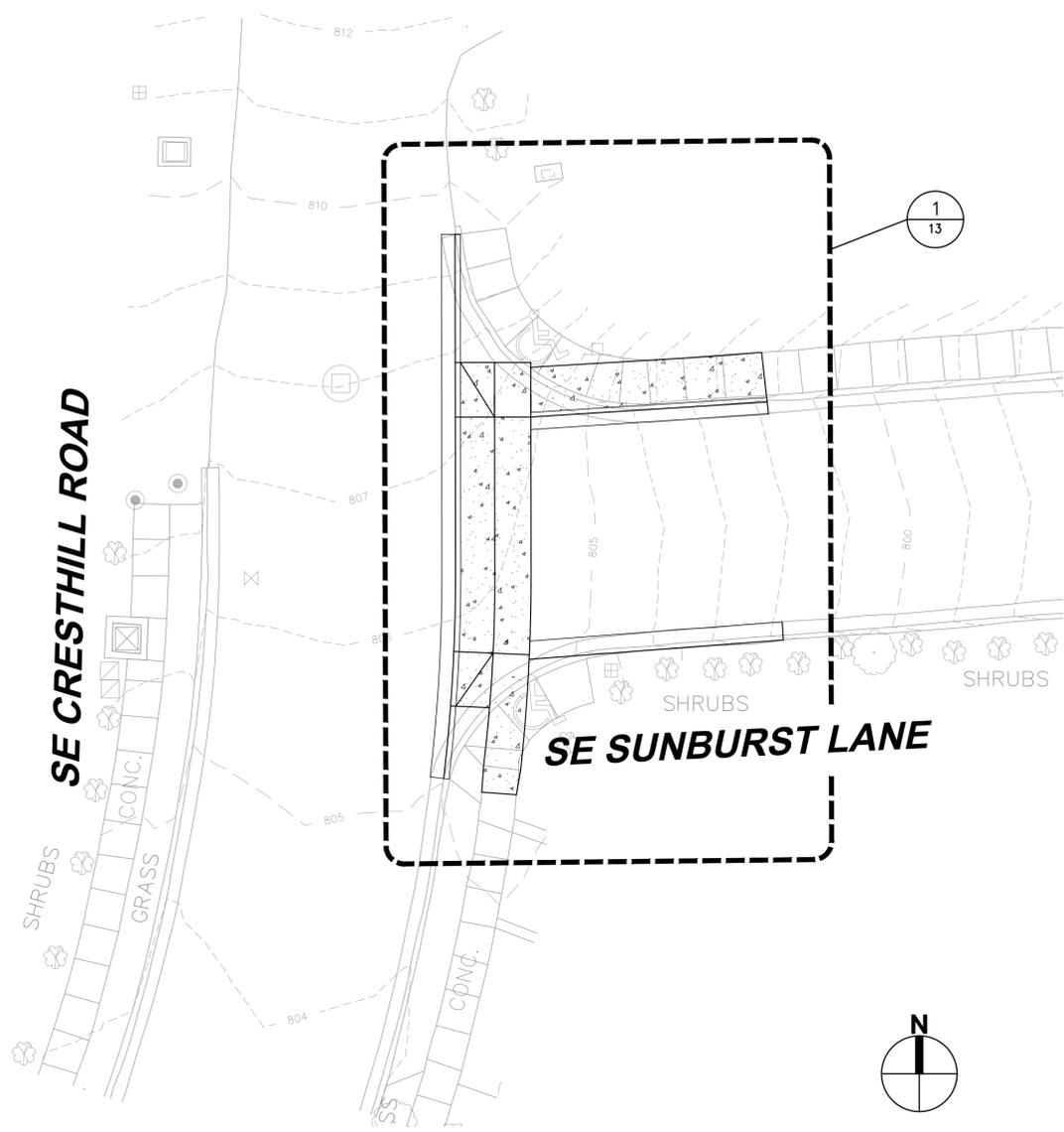
HW
HAPPY VALLEY, OR
EST. 1968
CITY OF HAPPY VALLEY
ENGINEERING DEPARTMENT
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DATE	MAY 2020
SCALE	AS SHOWN

2020 STREET IMPROVEMENTS PROJECT
CIP-02-20
SCHEDULE 'D'
SE CRESTHILL ROAD IMPROVEMENTS

JOB NUMBER	19882.00
SHEET NAME	P19882_CRESTHILL
SHEET	12 OF 23

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 XREFS: X19882 Purple Finch topo 19882 Solomon ADA



1
13
COMMERCIAL DRIVEWAY DETAIL
SCALE: 1"=5'



DESIGNED	BL	ADDENDUM 1	5/26	MA	BL
DRAWN	MA	ISSUED FOR BID	5/20	MA	BL
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HW
HAPPY VALLEY, OR
EST. 1968

CITY OF HAPPY VALLEY
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HAPPY VALLEY, OR 97086

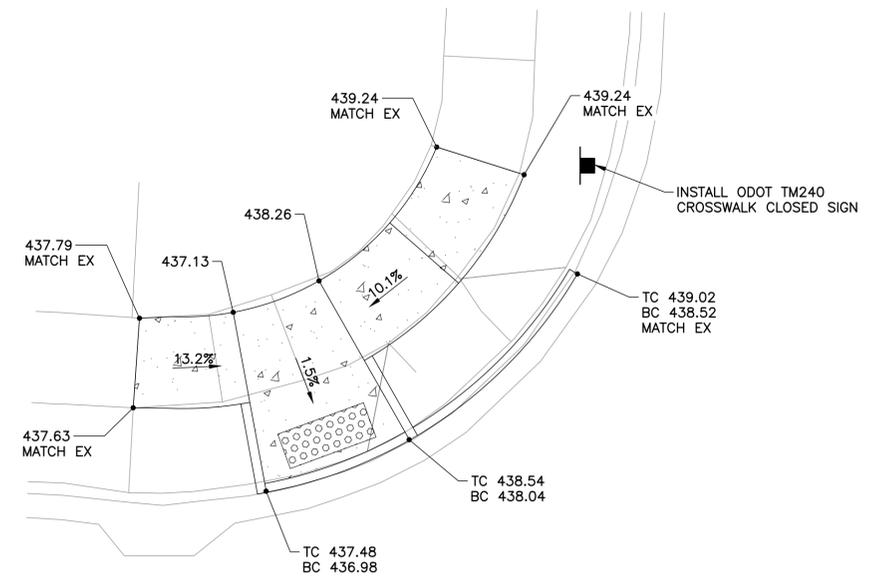
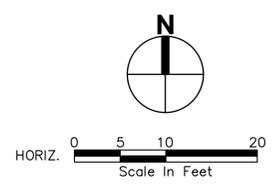
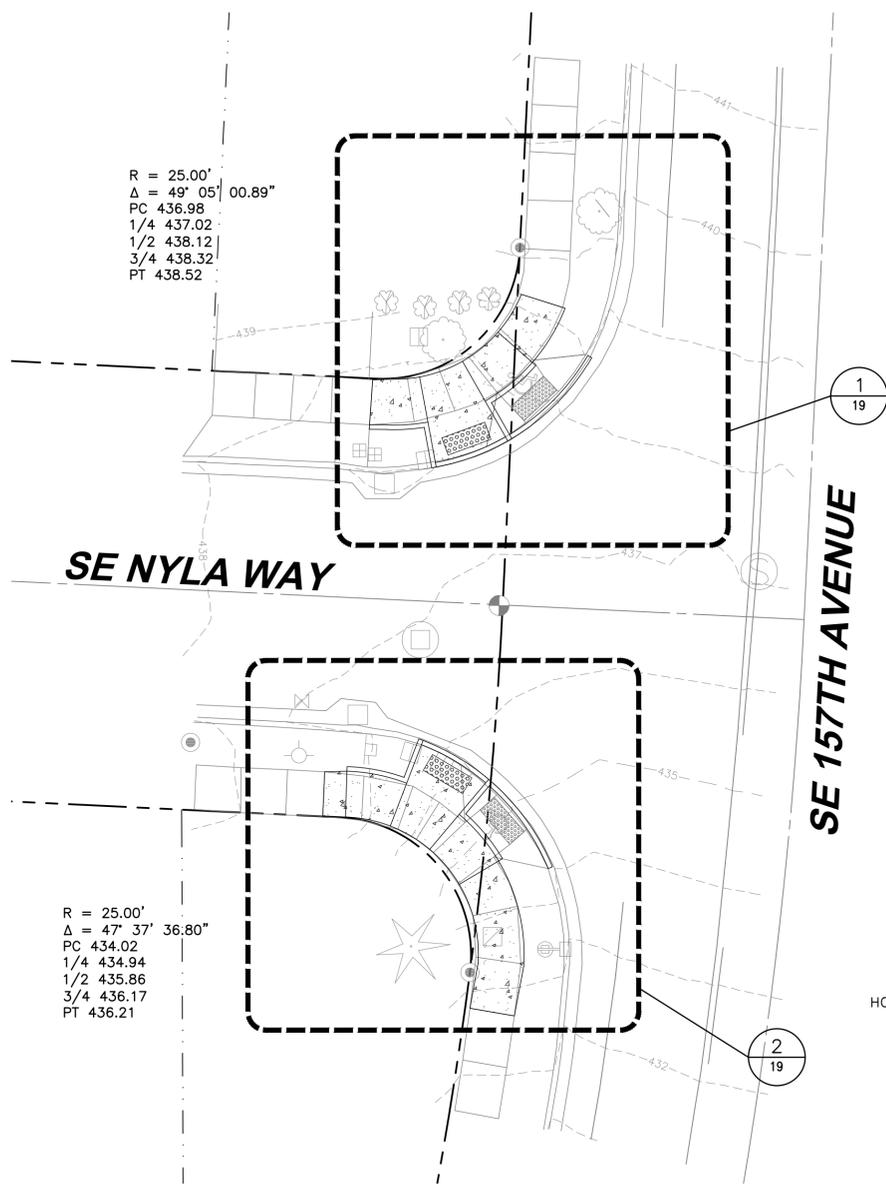
DATE	MAY 2020
SCALE	AS SHOWN

2020 STREET IMPROVEMENTS PROJECT
CIP-02-20
SCHEDULE 'D'

SE CRESTHILL ROAD COMMERCIAL DRIVEWAY DETAILS

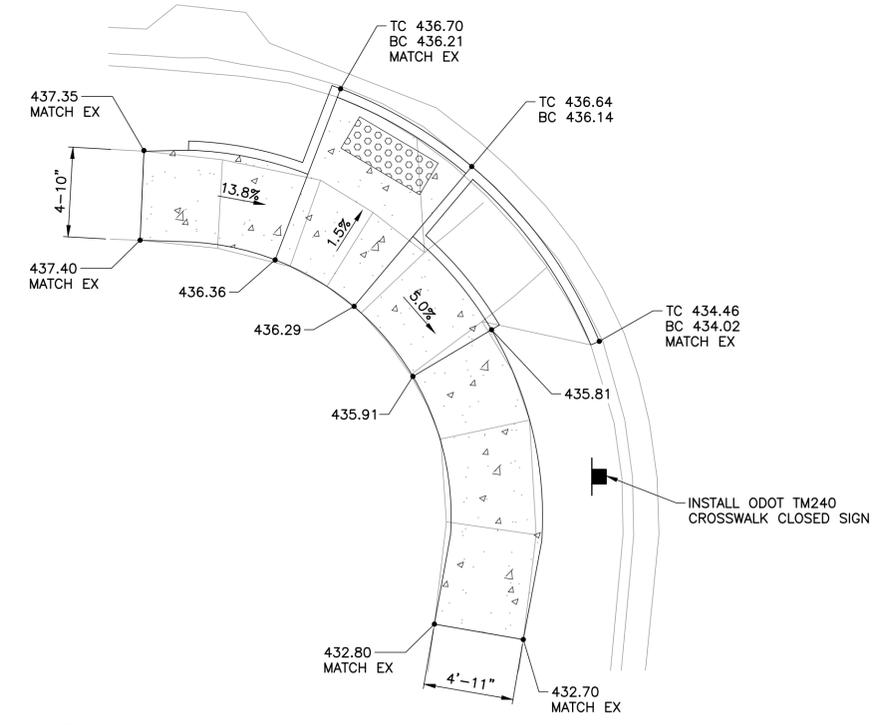
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SHEET NAME	P19882 RAMP
SHEET	13 OF 23

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 USER: marks
 XREFS: X:\19882\19882_Solomon ADA
 XREFS: X:\19882\19882_Nyla-156th ADA
 XREFS: X:\19882\19882_Solomon Topo_20200430



GENERAL NOTES:

- SIDEWALK REMOVAL AND CURB REMOVAL SHALL BE TO NEAREST SCORE JOINT IN RELATIONSHIP TO THE DIMENSIONS SHOWN.



DESIGNED	BL	ADDENDUM 1	5/26	MA	BL
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CHECKED	JS	REVISED PER CITY COMMENTS	4/20	MA	BL
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DATE	MAY 2020
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2020 STREET IMPROVEMENTS PROJECT
CIP-02-20
SCHEDULE 'H'
SE NYLA WAY ADA RAMP DETAILS

JOB NUMBER	19882.00
SHEET NAME	P19882 RAMPS
SHEET	19 OF 23

DWG: P:\P19\19882 - Happy Valley - 2020 Overlay\CAD\ENGINEERING\ SHEETS\ P1988NOTES.dwg
 DATE: May 27, 2020 9:13am
 USER: marka

CONSTRUCTION NOTES:

- 1 ALL WORK AND MATERIAL SHALL CONFORM TO THESE PLANS AND THE APPLICABLE PROVISIONS OF THE CITY'S ENGINEERING DESIGN AND STANDARD DETAILS MANUAL (DESIGN MANUAL), LATEST EDITION, APWA/ODOT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- 2 THE CONTRACTOR SHALL HAVE A MINIMUM OF ONE (1) SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION PHASES.
- 3 AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING ITEMS:
 - a. COPY OF THE CONTRACTOR'S CERTIFICATE OF INSURANCE
 - b. EMERGENCY CONTACT NAME AND PHONE NUMBER.
 - c. TRAFFIC CONTROL PLAN.
 - d. LIST OF SUBCONTRACTORS.
- 4 A COPY OF THE PERMIT WITH ALL ATTACHMENTS, A COPY OF THE APPROVED CONSTRUCTION PLANS, AND ALL AMENDMENTS SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. ALL WORK SHALL CONFORM TO THE PERMIT TERMS, CONDITIONS/PROVISIONS, APPROVED CONSTRUCTION PLANS, APPROVED PLAN AMENDMENTS, AND THESE GENERAL CONDITIONS. CHANGES TO ANY OF THE FORESAID MUST BE APPROVED BY THE PROJECT ENGINEER AND CITY, IN ADVANCE OF WORK PERFORMANCE.
- 5 THE CONTRACTOR SHALL HAVE A CURRENT HAPPY VALLEY BUSINESS LICENSE BEFORE STARTING CONSTRUCTION.
- 6 A SIGN SHALL BE POSTED CONSPICUOUSLY AT THE JOB SITE ENTRANCE PRIOR TO SITE CONSTRUCTION, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. USE 2-INCH HIGH BLACK LETTERS ON AN ORANGE BACKGROUND. THIS SIGN SHALL READ AS FOLLOWS:
 - 6.1 "CONSTRUCTION SHALL BE LIMITED TO 7:00 AM TO 6:00 PM ON WEEKDAYS, AND 8:00 AM TO 5:00 PM ON SATURDAYS AND SUNDAYS. HOWEVER, SITE CLEARING, EARTH MOVING, INSTALLATION OR CONSTRUCTION OF UNDERGROUND UTILITIES, PAVING OF STREETS AND SIDEWALKS, FOUNDATION FRAMING AND POURING, AND STRUCTURAL FRAMING SHALL BE ENTIRELY PROHIBITED ON SUNDAYS. TO REPORT VIOLATIONS CALL 503-783-3800."
- 7 ALL FENCING, ESC MEASURES, AND CONSTRUCTION GRAVEL ENTRANCES SHALL BE INSTALLED AND MAINTAINED BY THE DEVELOPER AND INSPECTED BY THE CITY OF HAPPY VALLEY PRIOR TO BEGINNING WORK ON THE SITE. CALL FOR INSPECTION 24 HOURS IN ADVANCE, 503-783-3800.
- 8 MAINTENANCE OF THE WORK AREA AND APPROACH ROADS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE WORK AREA AND APPROACH ROADS SHALL BE MAINTAINED IN A CLEAN AND SANITARY CONDITION, FREE FROM OBSTRUCTIONS, HAZARDS, DEBRIS, AND TRASH AT ALL TIMES. A COPY OF THE CONTRACTOR CERTIFICATE OF INSURANCE SHALL BE AVAILABLE AT THE WORK AREA.
- 9 THE SPREADING OF MUD OR DEBRIS OR STORAGE OF MATERIAL OR EQUIPMENT OF ANY KIND UPON ANY PUBLIC ROADWAY IS STRICTLY PROHIBITED AND VIOLATION SHALL BE CAUSE FOR IMMEDIATE SUSPENSION OF THE PERMIT. THE PROJECT ENGINEER AND/OR CITY MAY AT ANY TIME ORDER IMMEDIATE CLEAN UP AND STOPPAGE OF WORK TO ACCOMPLISH CLEAN-UP.
- 10 DUST SHALL BE CONTROLLED WITHIN THE DEVELOPMENT DURING CONSTRUCTION AND SHALL NOT BE PERMITTED TO DRIFT ONTO ADJACENT PROPERTIES.
- 11 CONTRACTOR SHALL MONITOR THE HAULING OF DEBRIS TO ENSURE THAT ALL SPILLAGE FROM TRUCKS IS PROMPTLY AND COMPLETELY REMOVED AND CLEANED UP.
- 12 THE CONTRACTOR SHALL CONTROL TRAFFIC THROUGH THE PROJECT SITE IN CONFORMANCE WITH THE LATEST EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), "OREGON SUPPLEMENTS", AND CITY REQUIREMENTS. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN LOCAL ACCESS FOR OWNERS NEAR THE PROJECT SITE. THE CONTRACTOR SHALL PROVIDE A PROJECT-SPECIFIC TRAFFIC CONTROL PLAN, APPROVED BY THE CITY, AND AVAILABLE ON THE PROJECT SITE.
- 13 THE CONTRACTOR IS RESPONSIBLE FOR PROVISION OF TIMELY NOTIFICATION OF TRAFFIC FLOW DISRUPTIONS TO AREA-WIDE EMERGENCY SERVICES AND THE SCHOOL DISTRICT. THE CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS TO ALL AFFECTED PROPERTIES.
- 14 TRAFFIC CONTROL DEVICES, FLAG PERSONS, ETC., SHALL BE IN PLACE PRIOR TO INITIATION OF CONSTRUCTION WORK AND SHALL BE EFFECTIVELY MAINTAINED. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY WORK WITHIN EXISTING RIGHT-OF-WAY.
- 15 PUBLIC ROADWAYS SHALL NOT BE CLOSED TO TRAFFIC, AT ANY TIME, WITHOUT HAVING FIRST OBTAINED A STREET CLOSURE PERMIT FROM THE CITY.
- 16 COMPACTION TESTING IS THE RESPONSIBILITY OF THE DEVELOPER. PROVIDE THE CITY WITH COPIES OF THE TEST RESULTS ON BASE ROCK AND ASPHALT. SCHEDULE PROOF ROLLS WITH THE CITY AT LEAST 48 HOURS IN ADVANCE.
- 17 CONTRACTOR MUST VERIFY ALL EXISTING UTILITIES FOR BOTH VERTICAL ELEVATION AND HORIZONTAL LOCATION PRIOR TO START OF WORK (POTHOLE BEFORE DIGGING IF NECESSARY). CONTRACTOR SHALL COORDINATE THE WORK WITH APPLICABLE AGENCIES.
- 18 TRENCHES WITHIN RIGHTS-OF-WAY, PAVEMENT, OR CONCRETE AREAS SHALL BE BACKFILLED WITH APPROVED CRUSHED ROCK (DRAWING NO. 205) OR CDF (DRAWING NO. 210), AND AS SPECIFIED ON THESE PLANS. TRENCHES OUTSIDE OF THE PAVED OR CONCRETE AREAS MAY BE BACKFILLED WITH NATIVE MATERIAL PER DRAWING NO. 205
- 19 THE CONTRACTOR SHALL MAINTAIN BENCHMARKS, PROPERTY CORNERS, AND MONUMENTS. IF SUCH POINTS ARE DISTURBED OR DESTROYED BY THE CONSTRUCTION ACTIVITIES, THEY SHALL BE REPLACED IN ACCORDANCE WITH ORS 209 BY EMPLOYING A PROFESSIONAL LAND SURVEYOR TO RESET PROPERTY CORNERS AND OTHER SUCH MONUMENTS.
- 20 THE CONTRACTOR SHALL NOTIFY THE CITY FORTY-EIGHT (48) HOURS PRIOR TO ANY PROOF ROLL, CONCRETE FORM INSPECTION AND PAVING.
- 21 PROPERTY DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED. GRASS, SHRUBS, FLOWERS, BARK BUST, EXISTING SIGNS, PAVEMENT MARKINGS, MAILBOXES, ETC. DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE RE-ESTABLISHED, REINSTALLED OR REPLACED, WITH LIKE KIND AND MATERIAL.

- 22 EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE PROJECT ENGINEER AND/OR CITY MAY AT ANY TIME ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
- 23 TRENCHES WILL NOT BE ALLOWED TO REMAIN OPEN OVERNIGHT. A TEMPORARY HARD SURFACE PATCH (HOT MIX BASE PAVING) OR STEEL PLATES SECURED WITH PINS AND COLD MIX RAMPS SHALL BE PLACED ON TRENCHES WITHIN EXISTING ROADWAYS AT THE END OF EACH DAY'S WORK. NO TRENCH, ON-SITE OR OFF-SITE, SHALL BE LEFT AT ANY TIME IN AN UNSAFE CONDITION. THE CONTRACTOR IS RESPONSIBLE AND LIABLE FOR HAZARDS OR DAMAGE RESULTING FROM THE PROSECUTION OF THE WORK.
- 24 WORK PROVIDED FOR UNDER THE PERMIT SHALL INCLUDE REPAIR OF EXISTING FACILITIES (ROADS, DITCHES, ETC.) AS MAY BE NECESSARY, IN THE CITY'S OPINION, TO OVERCOME DETERIORATION OR DAMAGE WHICH OCCURRED IN CONJUNCTION WITH THE WORK AUTHORIZED BY THE PERMIT. CORRECTIVE WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- 25 POWER, TELEPHONE, GAS, AND CABLE TELEVISION TRENCHING AND CONDUITS ARE TO BE INSTALLED PER UTILITY COMPANY REQUIREMENTS. VERIFY WITH UTILITY COMPANY FOR SIZE AND TYPE OF CONDUIT PRIOR TO CONSTRUCTION.
- 26 UNIDENTIFIED UTILITIES SHALL NOT BE DISRUPTED OR CUT UNTIL UTILITY COMPANY HAS APPROVED THE CUT OR DISRUPTION.
- 27 ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS, NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER THAN-ORIGINAL CONDITION.
- 28 NOTIFY THE UTILITY COMPANY IMMEDIATELY OF ALL UTILITIES EXPOSED. UTILITIES OR INTERFERING PORTION OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK.
- 29 THE CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, TOPSOIL, AND OTHER MATERIAL IN THE NEW PUBLIC RIGHT-OF-WAY, UNDER THE NEW ROADWAY AND WHERE INDICATED ON THE PLANS. MATERIAL SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET ALL APPLICABLE REGULATIONS.
- 30 IF GROUND WATER SPRINGS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE MEASURES TO ENSURE THAT THE WATER IS NOT CONVEYED THROUGH UTILITY TRENCHES, AND THE NATURAL FLOW PATH OF THE SPRING IS ALTERED AS LITTLE AS PRACTICABLE.
- 31 SAWCUT STRAIGHT MATCH LINES WHERE EXISTING PAVEMENT MEETS NEW PAVEMENT. SAND AND SEAL JOINT (TYPICAL).
- 32 CONTRACTOR SHALL FOLLOW OSHA REQUIREMENTS.
- 33 ALL TRENCHES SHALL BE PROPERLY SHORED AND BRACED TO PREVENT CAVING.
- 34 WHERE TRENCH EXCAVATION REQUIRES REMOVAL OF PCC CURBS AND/OR SIDEWALKS, THE CURBS AND/OR SIDEWALKS SHALL BE SAWCUT AND REMOVED AT A JOINT UNLESS OTHERWISE AUTHORIZED BY THE OWNER'S REPRESENTATIVE. THE SAWCUT LINES SHOWN ON THE DRAWINGS ARE SCHEMATIC AND NOT INTENDED TO SHOW THE EXACT ALIGNMENT OF SUCH CUTS.
- 35 THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED DRAWINGS AND DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. ALL REPAIRS SHALL USE NEW MATERIAL. REPAIRS SHALL RESTORE THE DAMAGED ITEM TO THE PRE-EXISTING CONDITION OR BETTER. SUCH REPAIRS SHALL BE PERFORMED AT THE CONTRACTOR'S SOLE EXPENSE.
- 36 CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH SHALL INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING, AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
- 37 SETTLEMENT OR CRACKING OF FINISHED SURFACES WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A FAILURE OF THE SUBGRADE, AND REPAIRED IN A MANNER ACCEPTABLE TO AND AT NO COST TO THE CITY OR DEVELOPER.
- 38 PRIOR TO FINAL PROJECT ACCEPTANCE, THE CONTRACTOR SHALL CLEAN THE WORK SITE AND ADJACENT AREAS OF ANY DEBRIS, DISCARDED ASPHALTIC CONCRETE MATERIAL, OR OTHER ITEMS DEPOSITED BY THE CONTRACTOR'S PERSONNEL DURING THE PERFORMANCE OF THIS CONTRACT.

UTILITY CONTACTS

POWER

PORTLAND GENERAL ELECTRIC
 ATTN: STACY FERGUSON (PRIMARY POWER)
 PH: 503-669-5219
 ATTN: JEFF WIESE (STREET LIGHTS)
 PH: 503-742-8363
 1705 EAST BURNSIDE STREET
 GRESHAM, OR 97030

CABLE

COMCAST
 ATTN: ROB BALEY
 PH (CELL): 503-348-5610
 PH (OFFICE): 503-818-0485
ROBERT_BALEY@COMCAST.COM

TELEPHONE

FRONTIER
 ATTN: JAMES ANDVIK
 150 NW 20TH STREET
 P.O. BOX 31
 GRESHAM, OR 97030
 PH: 503-667-9780
GRESHAMENGINEERING@FTR.COM

GAS

NW NATURAL
 ATTN: BRIAN KELLEY
 220 NW 2ND AVENUE
 PORTLAND, OR 97209
 PH: 503-220-2427
NCPROJ@NWNATURAL.COM

WATER

SUNRISE WATER AUTHORITY
 ATTN: ELIZABETH EDGAR
 10602 SW 129TH AVENUE
 HAPPY VALLEY, OR 97086
 PH: 503-761-0220
EDGAR@SUNRISEWATER.COM

DESIGNED	BL	ADDENDUM 1	5/26	MA	BL
DRAWN	MA	ISSUED FOR BID	4/20	MA	BL
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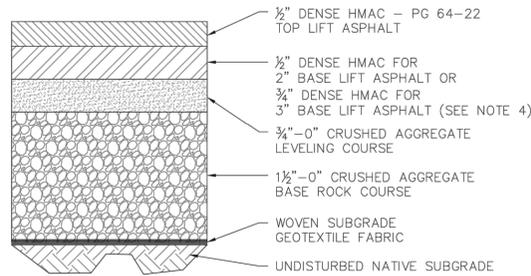
CITY OF HAPPY VALLEY
 ENGINEERING DEPARTMENT
 16000 SE MISTY DRIVE
 HAPPY VALLEY, OR 97086

DATE	MAY 2020
SCALE	AS SHOWN

2020 STREET IMPROVEMENTS PROJECT
CIP-02-20
ALL SCHEDULES
GENERAL CONSTRUCTION NOTES

JOB NUMBER	19882.00
SHEET NAME	P1988NOTES
SHEET	20 OF 23



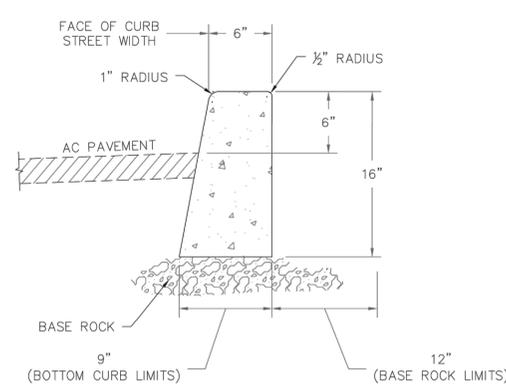


**PAVEMENT SECTION CHART
COMPONENT THICKNESS (INCHES)**

STREET FUNCTIONAL CLASSIFICATION	LEVEL HMAC	BINDER GRADE	TOP LIFT HMAC THICKNESS	BASE LIFT HMAC THICKNESS	LEVELING COURSE THICKNESS	BASE ROCK COURSE THICKNESS	GEOTEXT FABRIC REQUIRED
PRIVATE	2	PG64-22	3"	2"	2"	8"	YES
LOCAL	2	PG64-22	2"	2"	2"	8"	YES
NEIGHBORHOOD	3	PG64-22	2"	2"	2"	9"	YES
COLLECTOR	3	PG64-22	2-1/2"	2-1/2"	3"	9"	YES
ARTERIAL	3	PG64-22	2-1/2"	2-1/2"	4"	10"	YES

NOTES:

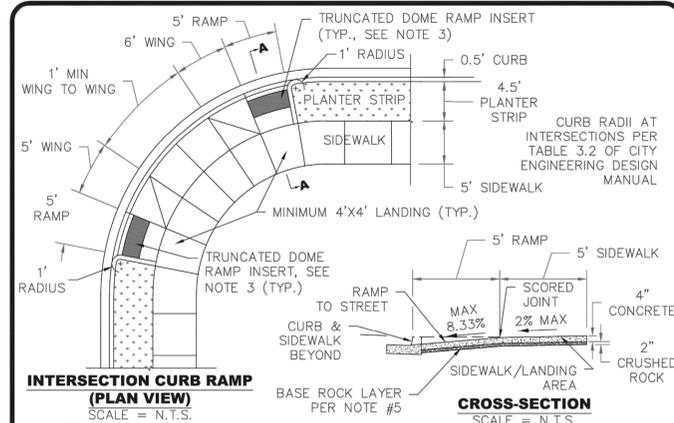
- MATERIALS AND PLACEMENT OF THE HOT MIXED ASPHALT CONCRETE (HMAC) SHALL CONFORM TO THE REQUIREMENTS DELINEATED IN SECTION 00744 OF THE ODOT/APWA, OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, EXCEPT AS MODIFIED BY THE CITY AND/OR APPROVED BY CITY ENGINEER.
- THE TOP LIFT OF HMAC SHALL BE PLACED PRIOR TO CITY FINAL ACCEPTANCE OF PUBLIC INFRASTRUCTURE IMPROVEMENTS.
- CRUSHED AGGREGATE USED FOR BASE ROCK AND LEVELING COURSE SHALL CONFORM TO THE REQUIREMENTS DELINEATED IN SECTION 02630 - BASE AGGREGATE, OF THE ODOT/APWA, OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. MAXIMUM MOISTURE DENSITY BY AASHTO T-180 ASTM D-1557 AS SPECIFIED.
- 1/2" DENSE HMAC MAY BE USED IN-LIEU-OF 3/4" DENSE HMAC FOR THE BASE LIFT OF ASPHALT.
- PAVEMENT DESIGN SHALL BE BASED ON SITE SPECIFIC CONDITIONS. THE ABOVE PAVEMENT SECTIONS REPRESENT THE MINIMUM THICKNESS AFTER COMPACTION



**STANDARD VERTICAL CURB
SCALE = N.T.S.**

NOTES:

- VERTICAL CURB MAY BE USED AT MEDIANS AND MEDIAN PLANTING STRIPS, OR IN REPLACEMENT OF DAMAGED EXISTING VERTICAL CURBS.
- CONCRETE SHALL BE COMMERCIAL MIX WITH A 28-DAY COMPRESSIVE STRENGTH OF 3300 PSI AND SHALL MEET ALL REQUIREMENTS FROM ODOT SECTION 00440.
- CONSTRUCT EXPANSION JOINTS AT 200' MAXIMUM SPACING, AND AT POINTS OF TANGENCY, AND AT ENDS OF EACH DRIVEWAY.
- EXPANSION JOINT MATERIAL SHALL BE PREFORMED FILLER NOT LESS THAN 1/2" WIDE AND SHALL MEET ALL REQUIREMENTS FROM ODOT SECTION 00759.
- 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.
- WEEP HOLES ARE NOT ALLOWED THROUGH THE CURB.

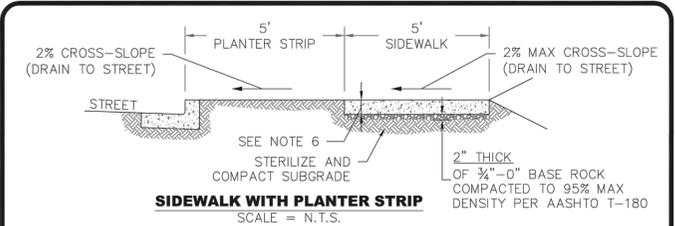


**INTERSECTION CURB RAMP
(PLAN VIEW)
SCALE = N.T.S.**

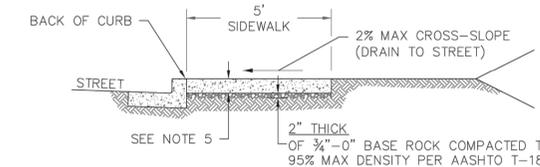
**CROSS-SECTION
SCALE = N.T.S.**

NOTES:

- PROJECT ENGINEER SHALL USE THIS DRAWING AS A GUIDE FOR DESIGNING RAMPS AND SHALL PREPARE A SITE SPECIFIC DRAWING FOR EACH RAMP.
- SIDEWALK RAMP SHALL MEET CURRENT ADA STANDARDS. CONSTRUCT ALL RAMPS PERPENDICULAR TO THE CURB. CITY TO INSPECT FORMS PRIOR TO POUR.
- DETECTABLE WARNING SHALL BE TRUNCATED DOME TYPE, 24" LONG IN DIRECTION OF TRAVEL AND FULL WIDTH OF RAMP, WITH DOMES ALIGNED ON A SQUARE GRID WITH ITS GRIDLINES PARALLEL AND PERPENDICULAR TO THE CENTERLINE OF THE RAMP. COLOR OF DETECTABLE WARNING SURFACE SHALL BE YELLOW AND CONTRAST FROM ADJACENT SURFACE.
- CURB INLET OR CATCH BASIN SHALL NOT BE ALLOWED IN FRONT OF RAMP.
- CONCRETE SHALL BE 4" THICK LAYER OF COMMERCIAL MIX WITH A 28 DAY COMPRESSIVE STRENGTH OF 3300 PSI AND SHALL MEET ALL REQUIREMENTS FROM ODOT SECTION 00440, OVER 2" LAYER OF 3/4"-0" BASE ROCK COMPACTED TO 95% MAX. DENSITY PER AASHTO T-180.
- SCORE CONCRETE AT GRADE CHANGES, SURFACE TEXTURE CHANGES AND AT ALL OTHER POINTS SHOWN.
- CONCRETE SURFACE SHALL HAVE BROOM FINISH, AND EDGE ALL JOINTS.



**SIDEWALK WITH PLANTER STRIP
SCALE = N.T.S.**



**CURB-TIGHT SIDEWALK
SCALE = N.T.S.**

NOTES:

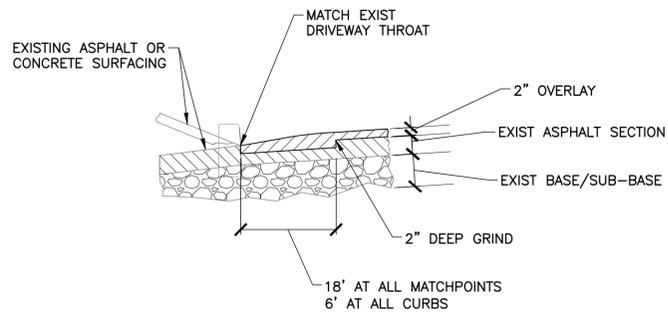
- CONCRETE SHALL BE A COMMERCIAL MIX WITH A 28 DAY COMPRESSIVE STRENGTH OF 3300 PSI AND SHALL MEET ALL REQUIREMENTS FROM ODOT SECTION 00440.
- SIDEWALK PANELS TO BE SQUARE (5' LONG x 5' WIDE TYP.).
- EXPANSION JOINT MATERIAL SHALL BE PREFORMED FILLER NOT LESS THAN 1/2" WIDE AND SHALL MEET ALL REQUIREMENTS FROM ODOT SECTION 00759.
- FOR SIDEWALKS ADJACENT TO THE CURB AND POURED AT THE SAME TIME AS THE CURB, THE JOINT BETWEEN THEM SHALL BE A TROWELED JOINT WITH A MINIMUM 1/2" RADIUS.
- SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF 6" IF MOUNTABLE CURB IS USED, OR IF SIDEWALK IS INTENDED AS A PORTION OF A DRIVEWAY. OTHERWISE SIDEWALK SHALL HAVE A MINIMUM THICKNESS OF 4".
- CONCRETE SHALL HAVE A BROOM FINISH, ALL JOINTS SHALL BE EDGED.
- WIDTH OF PLANTER STRIP IS MEASURED FROM FACE OF CURB. WIDTH OF A CURB-TIGHT SIDEWALK IS MEASURED FROM BACK OF CURB.

DWG NO: 160 **PAVEMENT SECTIONS**
CITY ENGINEER CAROL EARLE, P.E. DATE: 4/1/2019 REVISED BY: PCB/JHH

DWG NO: 235 **VERTICAL CURB**
CITY ENGINEER CAROL EARLE, P.E. DATE: 4/1/2019 REVISED BY: PCB/JHH

DWG NO: 245 **CURB RAMPS**
CITY ENGINEER CAROL EARLE, P.E. DATE: 4/1/2019 REVISED BY: PCB/JHH

DWG NO: 250 **SIDEWALK**
CITY ENGINEER CAROL EARLE, P.E. DATE: 4/1/2019 REVISED BY: PCB/JHH



**1 STANDARD BUTT JOINT AT GRADE
NTS**

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HW CITY OF HAPPY VALLEY
ENGINEERING DEPARTMENT
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DATE: MAY 2020
SCALE: AS SHOWN

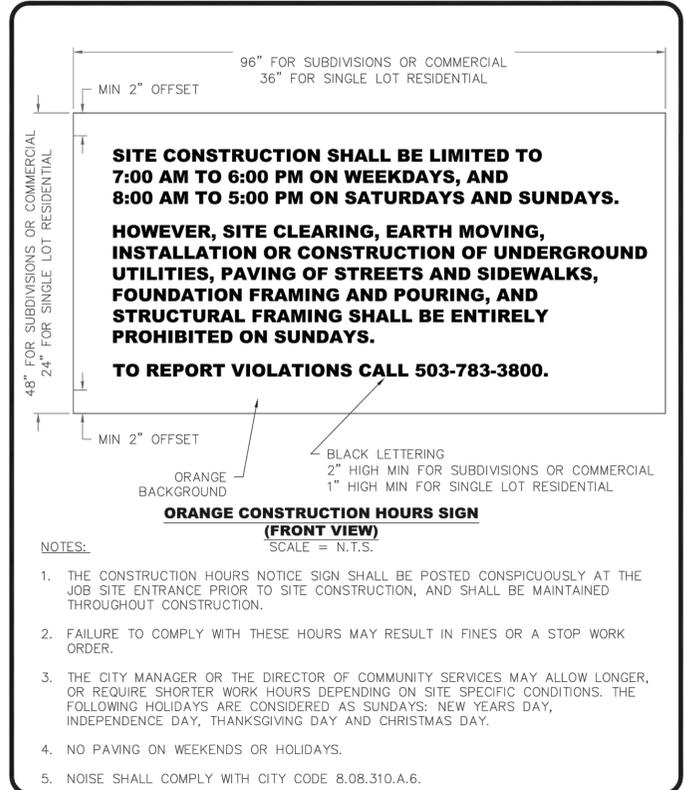
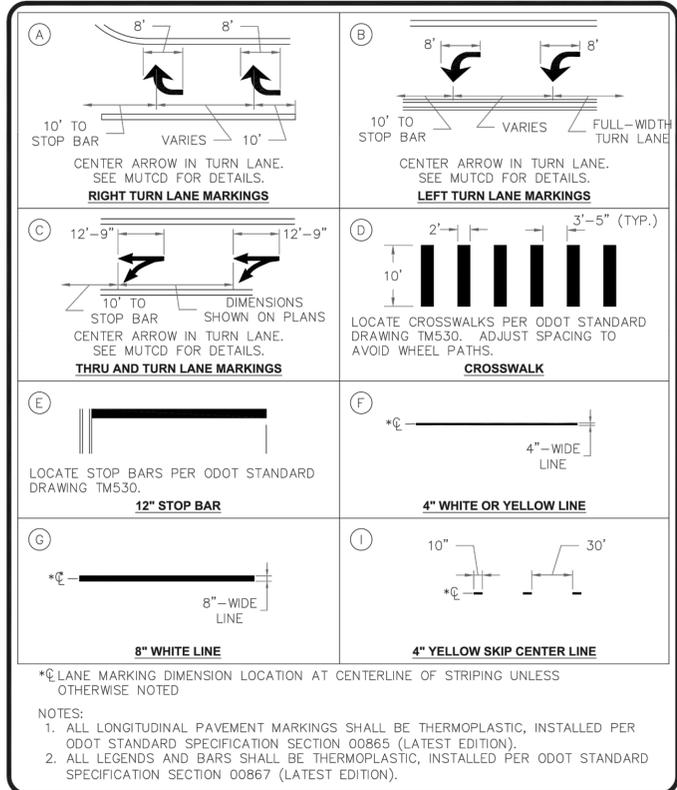
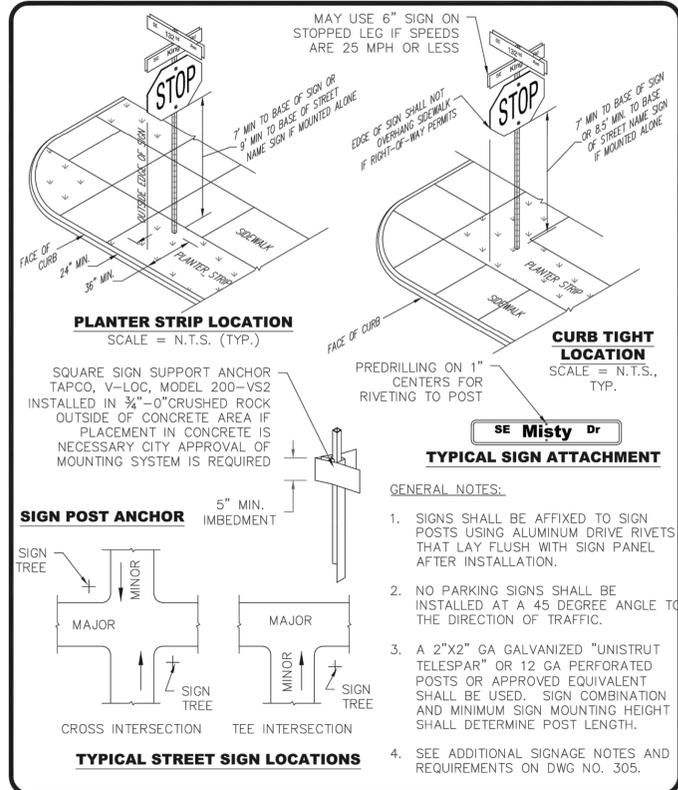
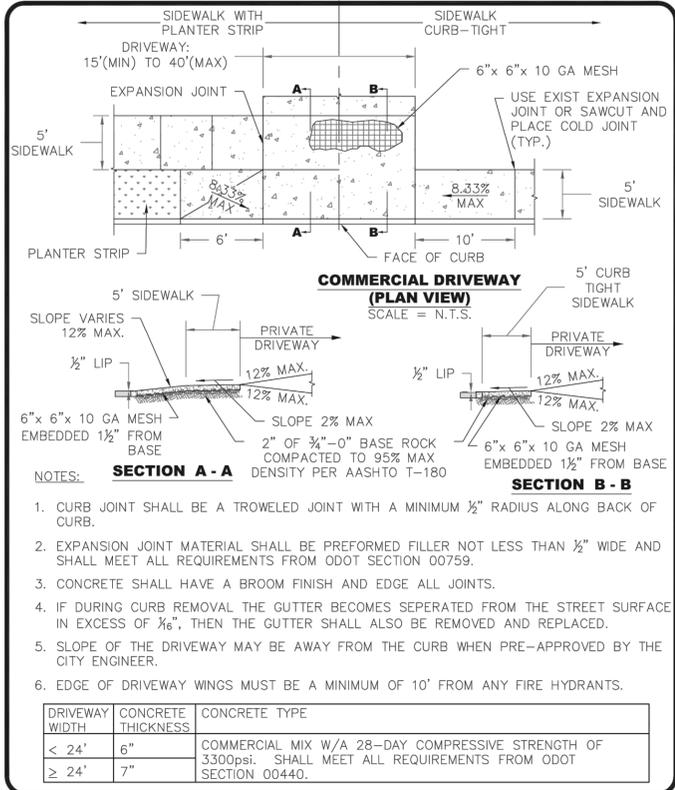
2020 STREET IMPROVEMENTS PROJECT
CIP-02-20
ALL SCHEDULES
STANDARD DETAILS

REGISTERED PROFESSIONAL ENGINEER
18558
OREGON
JULY 6, 1998
BRIAN D. LEE
RENEWS: 12/31/2020

DESIGNED	BL	ADDENDUM 1	5/26	MA	BL
DRAWN	MA	ISSUED FOR BID	4/20	MA	BL
CHECKED	JS	REVISED PER CITY COMMENTS	4/20	MA	BL
	SYM	REVISION	DATE	BY	APP'D

JOB NUMBER: **19882.00**
SHEET NAME: P1988NOTES
SHEET **21** OF **23**

USER: markk
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 DATE: May 27, 2020 9:14am
 XREFS: X19882TB



CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 275
CITY ENGINEER CAROL EARLE, P.E.

COMMERCIAL DRIVEWAY
DATE: 4/1/2019 REVISOR: PCB/JHH

CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 300
CITY ENGINEER CAROL EARLE, P.E.

STREET SIGNING
DATE: 4/1/2019 REVISOR: PCB/JHH

CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 330
CITY ENGINEER CAROL EARLE, P.E.

STRIPING DETAILS 1
DATE: 4/1/2019 REVISOR: PCB/JHH

CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 350
CITY ENGINEER CAROL EARLE, P.E.

CONSTRUCTION HOURS NOTICE SIGN
DATE: 4/1/2019 REVISOR: PCB/JHH

USER: marks
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 DATE: May 27, 2020 9:14am
 XREFS: X198827B

DESIGNED	BL	ADDENDUM 1	5/26	MA	BL
DRAWN	MA	ISSUED FOR BID	4/20	MA	BL
CHECKED	JS	REVISED PER CITY COMMENTS	4/20	MA	BL
	SYM	REVISION	DATE	BY	APP'D

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2020 STREET IMPROVEMENTS PROJECT
CIP-02-20

ALL SCHEDULES

JOB NUMBER: **19882.00**
SHEET NAME: P1988NOTES
SHEET **22** OF **23**



CEMENT-TREATMENT EROSION CONTROL NOTES:

- DO NOT PERFORM CEMENT-TREATED BASE (CTB) APPLICATION WITHIN 72 HOURS PRIOR TO PREDICTED RAINFALL PER NATIONAL WEATHER SERVICE.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE CEMENT DUST GENERATION INTO AIR.

EROSION/SEDIMENTATION/POLLUTION CONTROL NOTES:

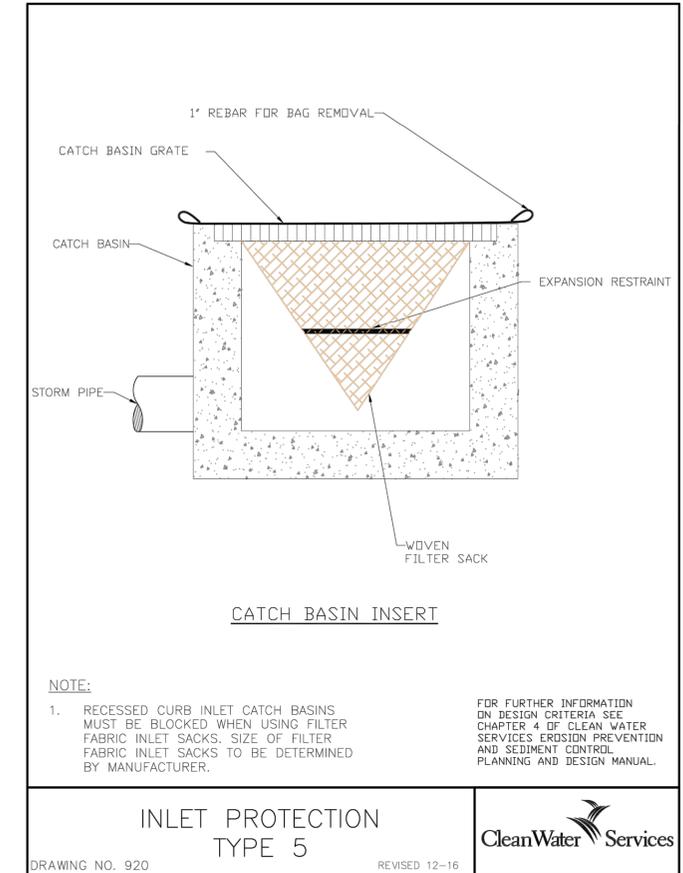
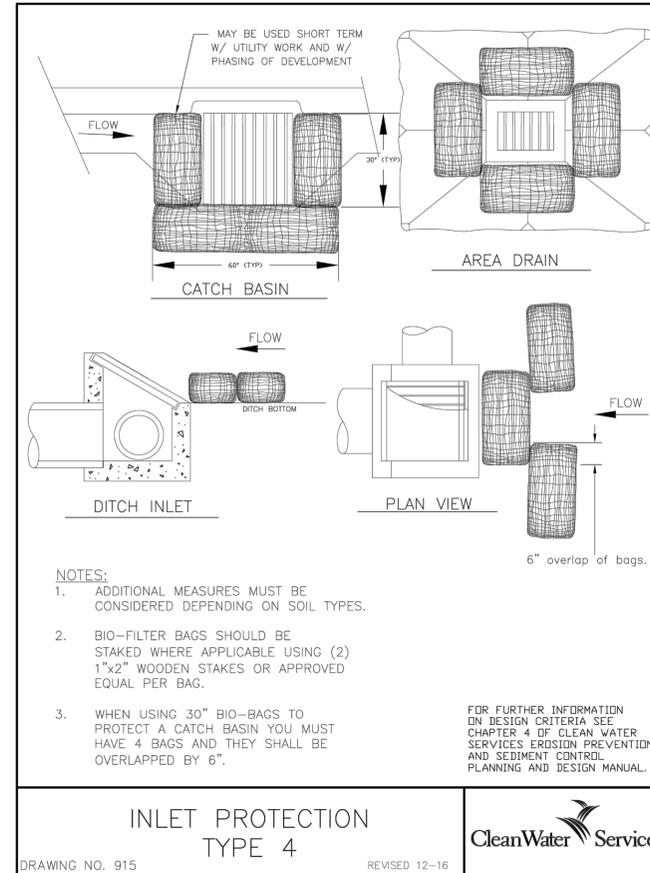
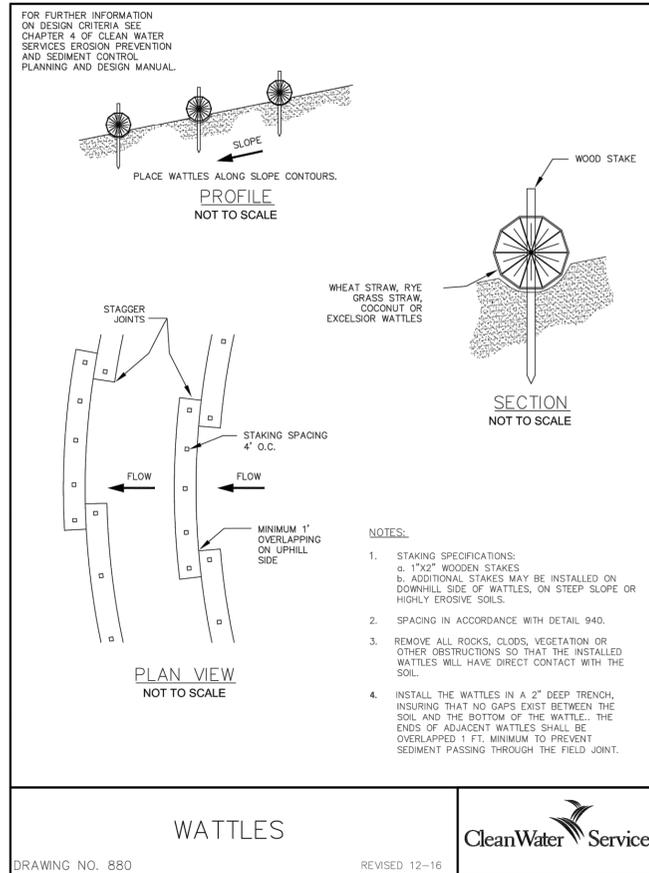
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- THE IMPLEMENTATION OF THESE ESC PLANS AND CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE LOCAL JURISDICTION, AND VEGETATION/LANDSCAPING IS ESTABLISHED. THE OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AFTER THE PROJECT IS ACCEPTED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE MARKINGS SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- 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 ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS OR VIOLATE APPLICABLE STANDARDS.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. CONTRACTOR IS REQUIRED TO KEEP WRITTEN INSPECTION LOGS.
- AT NO TIME SHALL THE SEDIMENT BE ALLOWED TO ACCUMULATE MORE THAN 1/3 THE BARRIER HEIGHT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED GRAVEL ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- STORM DRAIN INLETS, BASINS AND AREA DRAINS SHALL BE PROTECTED UNTIL PAVEMENT SURFACES ARE COMPLETED AND/OR VEGETATION IS RE-ESTABLISHED.
- PAVEMENT SURFACES AND VEGETATION ARE TO BE PLACED AS RAPIDLY AS POSSIBLE.
- SEEDING OR HYDRO-SEEDING SHALL BE PERFORMED NO LATER THAN SEPTEMBER 1.
- IF THERE ARE EXPOSED SOILS OR SOILS NOT FULLY ESTABLISHED FROM OCTOER 1ST THROUGH APRIL 30TH, THE WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT. SEE THE EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (CHAPTER 4) FOR REQUIREMENTS.
- THE OWNER SHALL REMOVE ESC MEASURES WHEN VEGETATION IS FULLY ESTABLISHED.
- ALL EROSION CONTROL MEASURES SHALL COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- INSTALL WATTLES OR BIOBAGS AROUND EDGE OF EXPOSED BASE FOR SIDEWALK & ADA RAMP WORK AREAS.

INSPECTION AND MAINTENANCE

- INSPECT DAILY ON ACTIVE SITES, ONCE EVERY TWO WEEKS ON INACTIVE SITES, AND WITHIN 24 HOURS FOLLOWING A 0.5 INCH RAIN EVENT.
- IMMEDIATELY REPAIR ANY DAMAGE.
- REMOVE ACCUMULATED SEDIMENT ONCE IT HAS REACHED 1/3 THE BARRIER HEIGHT OR A MAXIMUM OF 10 INCHES, WHICH EVER IS LESS.
- INSPECT FOR CHANNEL FORMATION PARALLEL TO THE FENCE, WHICH INDICATES THAT THE GEOTEXTILE IS ACTING AS A FLOW BARRIER.
- REPLACE DETERIORATED OR CLOGGED GEOTEXTILE.
- CHECK FOR UNDERCUTTING OR PIPING UNDER FENCE.

TEMPORARY GRASSES AND PERMANENT VEGETATIVE COVER

- TEMPORARY GRASS COVER MEASURES MUST BE FULLY ESTABLISHED BY NOVEMBER 1 OR OTHER COVER MEASURES WILL HAVE TO BE IMPLEMENTED UNTIL ADEQUATE GRASS COVERAGE IS ACHIEVED. TO ESTABLISH AN ADEQUATE GRASS STAND FOR CONTROLLING EROSION BY NOVEMBER 1, IT IS RECOMMENDED THAT SEEDING AND MULCHING OCCUR BY SEPTEMBER 1. (ANY SEEDING PLANNED AFTER SEPTEMBER 1 MUST BE PRE-GERMINATED GRASS SEED.)
- HYDROMULCH SHALL BE APPLIED WITH GRASS SEED AT A RATE OF 2000 LB/ACRE ON SLOPES STEEPER THAN 10 PERCENT, HYDROSEED AND MULCH SHALL BE APPLIED WITH A BONDING AGENT (TACKIFIER). APPLICATION RATE AND METHODOLOGY TO BE IN ACCORDANCE WITH SEED SUPPLIER RECOMMENDATIONS.
- SEEDING-RECOMMENDED EROSION CONTROL GRASS SEED MIXES SHALL FOLLOW SEEDING GUIDELINES AS PER CLACKAMAS COUNTY WES EROSION PREVENTION PLANNING & DESIGN MANUAL. SIMILAR MIXES DESIGNED TO ACHIEVE EROSION CONTROL MAY BE SUBSTITUTED IF APPROVED BY JURISDICTION.
- FERTILIZATION FOR GRASS SEED - IN ACCORDANCE WITH SUPPLIER'S RECOMMENDATIONS.
- WATERING-SEEDING SHALL BE SUPPLIED WITH ADEQUATE MOISTURE TO ESTABLISH GRASS.
- SUPPLY WATER AS NEEDED, ESPECIALLY IN ABNORMALLY HOT OR DRY WEATHER OR ON ADVERSE SITES. WATER APPLICATION RATES SHOULD BE CONTROLLED TO PROVIDE ADEQUATE MOISTURE WITHOUT CAUSING RUNOFF.
- RE-SEEDING - AREAS WHICH FAIL TO ESTABLISH GRASS COVER ADEQUATE TO PREVENT EROSION SHALL BE RE-SEEDDED AS SOON AS SUCH AREAS ARE IDENTIFIED, AND ALL APPROPRIATE MEASURES TAKEN TO ESTABLISH ADEQUATE COVER.
- AT THE END OF SITE CONSTRUCTION, PAVING APPROVED PERMANENT SITE LANDSCAPING OR ESTABLISHMENT OF A HEALTHY STAND OF GRASS (OR ALTERNATIVE VEGETATION AS APPROVED) MUST OCCUR PRIOR TO REMOVAL OF SITE EROSION CONTROL MEASURES.



USER: marko
 DATE: May 27, 2020 9:14am
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