CITY OF KIRKLAND

2020 STREET OVERLAY PROJECT

JOB NO. 10-20-PW

GEORGE MINASSIAN
STATE OF WASHINGTON
44711
REGISTERED
PROFESSIONAL ENGINEER

4/28/20

APRIL 28, 2020

STC0060000/STC0060300

CITY OFFICIALS

PENNY SWEET	MAYOR
JAY ARNOLD	DEPUTY MAYOR
TOBY NIXON	COUNCIL MEMBER
JOHN PASCAL	COUNCIL MEMBER
KELLY CURTIS	COUNCIL MEMBER
NEAL BLACK	COUNCIL MEMBER
AMY FALCONE	COUNCIL MEMBER
KURT TRIPLETT	CITY MANAGER
JULIE UNDERWOOD	INTERIM PUBLIC WORKS DIRECTOR
ROD STEITZER	CAPITAL PROJECTS MANAGER

CONTACT PERSONNEL

NAME	AGENCY	PHONE
GEORGE MINASSIAN, PE	COK PROJECT ENGINEER	425.587.3829
BEN McVITTIE	PROJECT INSPECTOR	425.410.4606
RIK MAYER	COK FIELD REPRESENTATIVE	206.496.4265
STEVE HOOPES	COK FIELD REPRESENTATIVE	425.623.5086
EMERGENCY		911
POLICE	COK POLICE MAIN LINE	425.587.3400
FIRE	COK FIRE MAIN LINE	425.587.3650
SPILL RESPONSE HOTLINE	COK	425.587.3900
JEANNE COLEMAN	PUGET SOUND ENERGY GAS	425.563.6550
FREMONT AGUINALDO	PUGET SOUND ENERGY ELECTRIC	425.223.0936
KELLY NESBIT	NORTHSHORE UTILITY DISTRICT	425.398.4403
KEN McDOWELL	WOODINVILLE WATER DISTRICT	425.487.4104
CONST.COORDINATOR	KING COUNTY METRO	206.684.2732
JEFF MILES	LAKE WASH. SCHOOL DISTRICT	425.936.1120
JOE FORDON	COMCAST	425.263.5348
BRAD LANDIS	VERIZON BUSINESS	425.201.0901
JAY SCHWAB	FRONTIER COMMUNICATIONS	425.263.4019
ONE CALL UTILITY LOCATE		800.424.5555

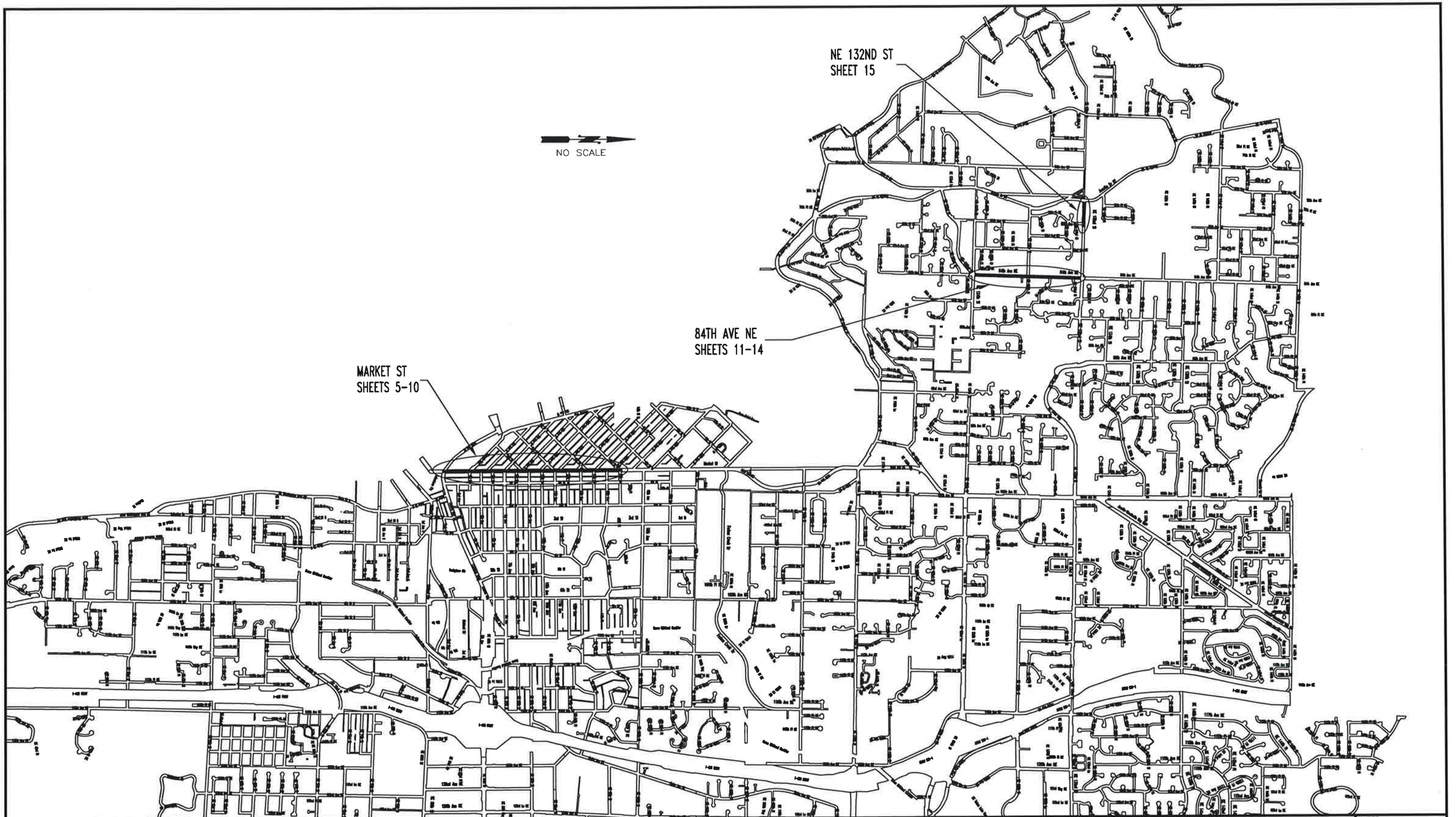
KIRKLAND

NO SCALE

JENNINGS CONSULTING SERVICES, INC
JIM JENNINGS
PO BOX 1294
STANWOOD, WASHINGTON 98292
PHONE (425) 508-8300
jcsinc.j@gmail.com

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
CVR	COVER SHEET
2	VICINITY MAP
3-4	DETAIL SHEET
5-10	MARKET STREET
11-14	84TH AVE NE
15	NE 132ND ST



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN STATE OF WASHINGTON 44713 REGISTERED PROFESSIONAL ENGINEER 4/29/20

APPROVED BY:

DATE: 4/29/2020

GEORGE MINASSIAN PhD, PE/JIM JENNINGS 4/2020
DESIGNED BY: DATE

JIM JENNINGS 4/2020
DRAWN BY: DATE

CHECKED BY: DATE

2020 STREET OVERLAY PROJECT

VICINITY MAP

SHEET: 2/15
SCALE: N.T.S.
FILENAME: VICINITY_20.DWG

GENERAL:
1. PROVIDE MINIMUM 24 HOURS NOTICE TO ADJACENT PROPERTY OWNERS BEFORE ANY GRINDING AND/OR PAVING OPERATIONS.
2. PRE-PRINTED DOOR HANGERS WILL BE PROVIDED TO THE CONTRACTOR IN ADVANCE OF GRINDING/PAVING OPERATIONS FOR DISTRIBUTION BY CONTRACTOR (SEE SPECIFICATIONS).

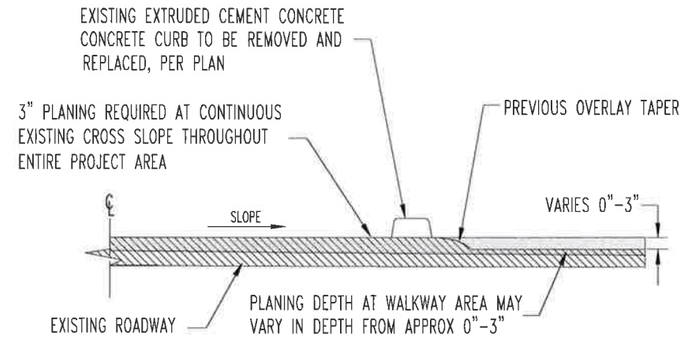
TREES:
1. MANY LARGE AND VALUABLE TREES ARE LOCATED WITHIN THE RIGHT-OF-WAY. CONTRACTOR SHALL EXERCISE CARE WHEN WORKING NEAR AND WITH THE TREES TO ENSURE THAT THEY ARE NOT DAMAGED DURING CONSTRUCTION.
2. PRIOR TO ANY GRINDING ACTIVITIES, CONTRACTOR SHALL TRIM THE TREE CANOPY WHERE NECESSARY TO PROVIDE CLEARANCE ABOVE CONSTRUCTION EQUIPMENT. TRIMMING SHALL BE KEPT TO A MINIMUM AND ONLY BE PERFORMED AS NEEDED.
3. NO MATERIALS OR EQUIPMENT SHALL BE STOCKPILED OR OPERATED ADJACENT TO EXISTING TREES.

PAVEMENT REPAIR:
1. SAWCUT AT PAVEMENT REPAIR LIMITS AND REMOVE TO DEPTH SHOWN IN DETAILS.
2. COMPACT ALL SUBGRADE AND GRANULAR MATERIALS TO 95% MAX DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR)

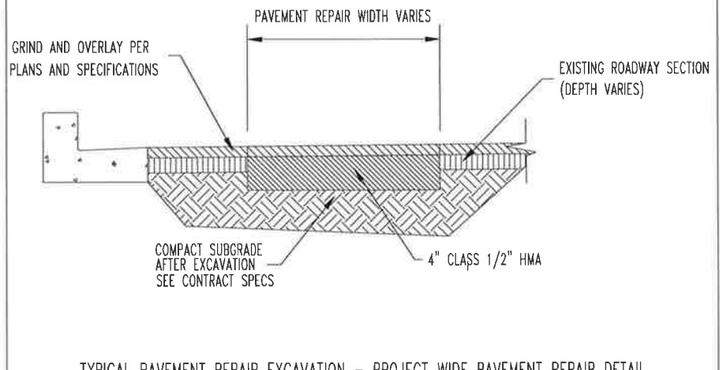
UTILITIES:
1. ALL WATER VALVE BOXES SHALL BE UNCOVERED AND ACCESSIBLE TO THE WATER DEPARTMENT AT THE END OF EACH WORKING DAY
2. AFTER ADJUSTING WATER VALVE BOXES TO THE SURFACE OF THE NEW HMA OVERLAY, ALL WATER VALVE BOX LIDS SHALL BE PAINTED BLUE, SEE CONTRACT SPECIFICATIONS.
3. PRIOR TO OVERLAY, ALL UTILITIES SHALL BE LOWERED. CONTRACTOR SHALL COORDINATE SCHEDULE WITH FRANCHISE UTILITIES TO ALLOW FOR SUFFICIENT TIME TO LOWER THESE UTILITIES.

PAVEMENT REPAIR EXCAVATION:
1. PAVEMENT REPAIR LIMITS SHOWN ON PLANS ARE BASED ON A VISUAL ASSESSMENT OF THE EXISTING PAVEMENT SURFACE AND PAVEMENT CORES. AFTER THE INITIAL PLANING OF THE ROAD SURFACE IS COMPLETE, THE CITY WILL INSPECT THE PLANED SURFACE AND ADJUST THE LIMITS OF PAVEMENT REPAIR AS NECESSARY BASED ON VISUAL OBSERVATIONS.
2. AT PAVEMENT REPAIR LOCATIONS, THE CITY WILL INSPECT THE EXPOSED COMPACTED SUBGRADE. AFTER REVIEW OF THE SUBGRADE, THE CITY WILL INFORM THE CONTRACTOR WHETHER ADDITIONAL (DEEPER) EXCAVATION IS REQUIRED FOR PAVEMENT REPAIR. ANY ADDITIONAL EXCAVATION BELOW THE PAVEMENT REPAIR SECTIONS SHALL BE BACKFILLED WITH CRUSHED SURFACING BASE COURSE. IF ADDITIONAL EXCAVATION AND BACKFILL IS REQUIRED, IT SHALL BE PAID FOR UNDER THE "UNSCHEDULED PAVEMENT REPAIR" BID ITEM.

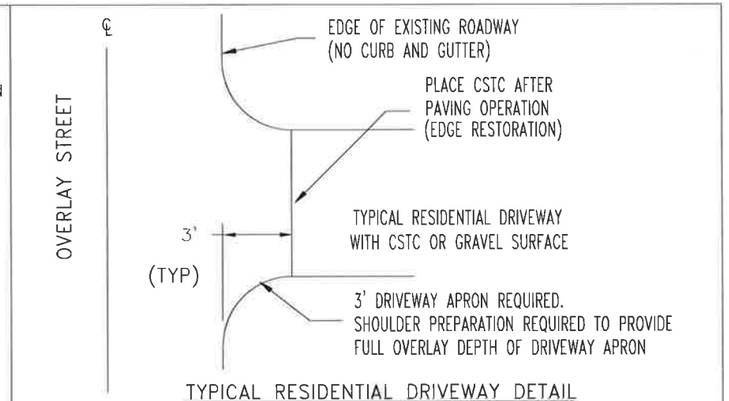
CALL BEFORE YOU DIG
800-424-5555



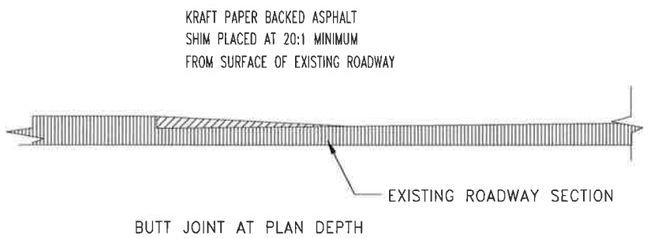
TYPICAL PLANING AT 84TH AVE NE EXTRUDED CURB AREAS
NO SCALE



TYPICAL PAVEMENT REPAIR EXCAVATION - PROJECT WIDE PAVEMENT REPAIR DETAIL
NO SCALE

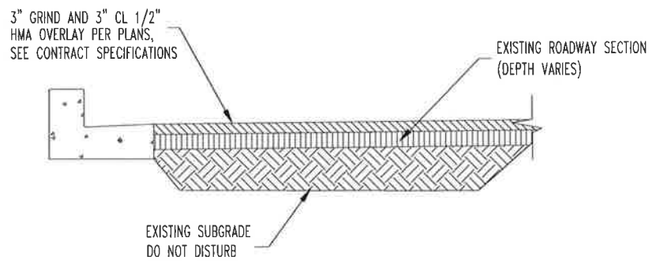


TYPICAL RESIDENTIAL DRIVEWAY DETAIL
NO SCALE

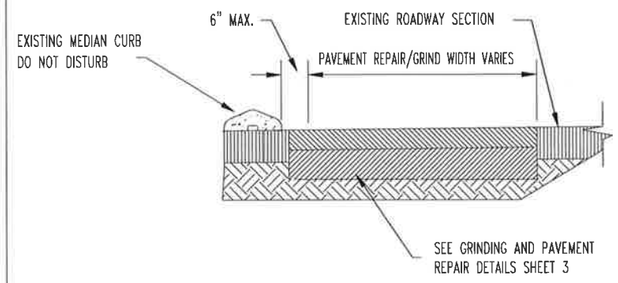


BUTT JOINT AT PLAN DEPTH

TRANSVERSE JOINT TEMPORARY RAMP DETAIL
NO SCALE



TYPICAL GRIND AND OVERLAY DETAIL
NO SCALE



TYPICAL GRIND AT EXTRUDED AND MEDIAN CURB LOCATIONS
NO SCALE

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JIM JENNINGS 4/2020
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CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
DETAIL SHEET

SHEET: 3/15
SCALE: N.T.S.
FILENAME: 2020 DETSHT.DWG

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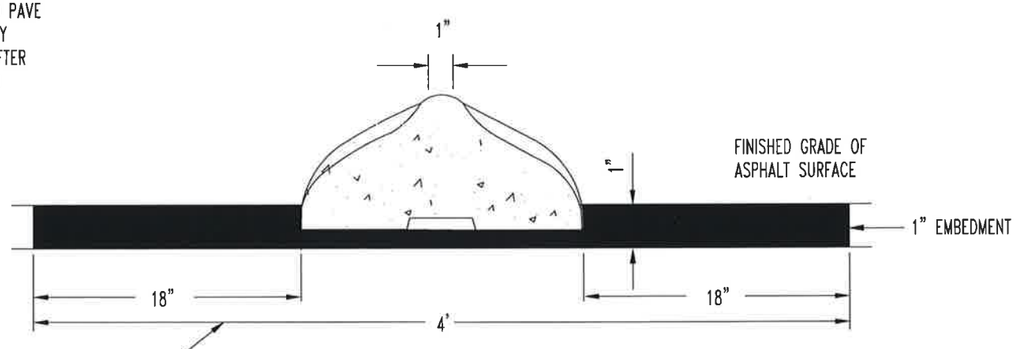
INSTALLATION DETAIL FOR STRAIGHT PRECAST TRAFFIC CURB

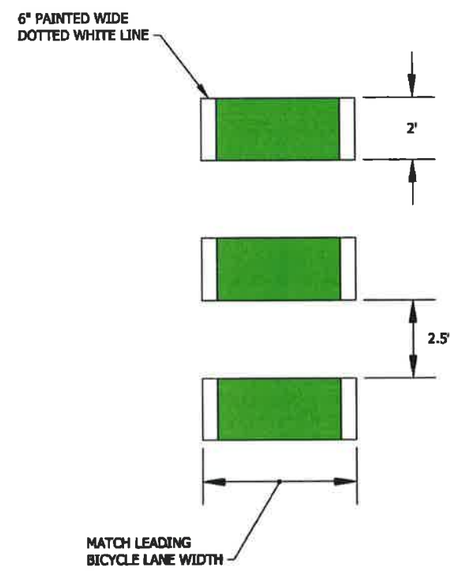
ENSURE POSITIVE DRAINAGE AWAY FROM CURB AND PAVE HMA TO MEET ROADWAY SURFACE ELEVATION AFTER INSTALLATION OF CURB



PLANE EXISTING ASPHALT 4' WIDE X 1" DEEP CENTERED ON CURB LOCATION PRIOR TO INSTALLATION OF CURB

RECESSED CURB DETAIL, MARKET ST ONLY
USE PRECAST DUAL FACED SLOPED MOUNTABLE CURB ONLY
NO SCALE

LAST REVISED:01/2020



NOTE:
GREEN COLORED PAVEMENT SHALL BE EITHER 90 MIL PREFORMED THERMOPLASTIC OR METHYL METHACRYLATE (MMA)

CITY OF KIRKLAND
PLAN NO. CK-R.36C
TYPICAL INTERSECTION/ CONFLICT ZONE BIKE LANE PAVEMENT MARKING

CITY OF KIRKLAND
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JIM JENNINGS 4/2020
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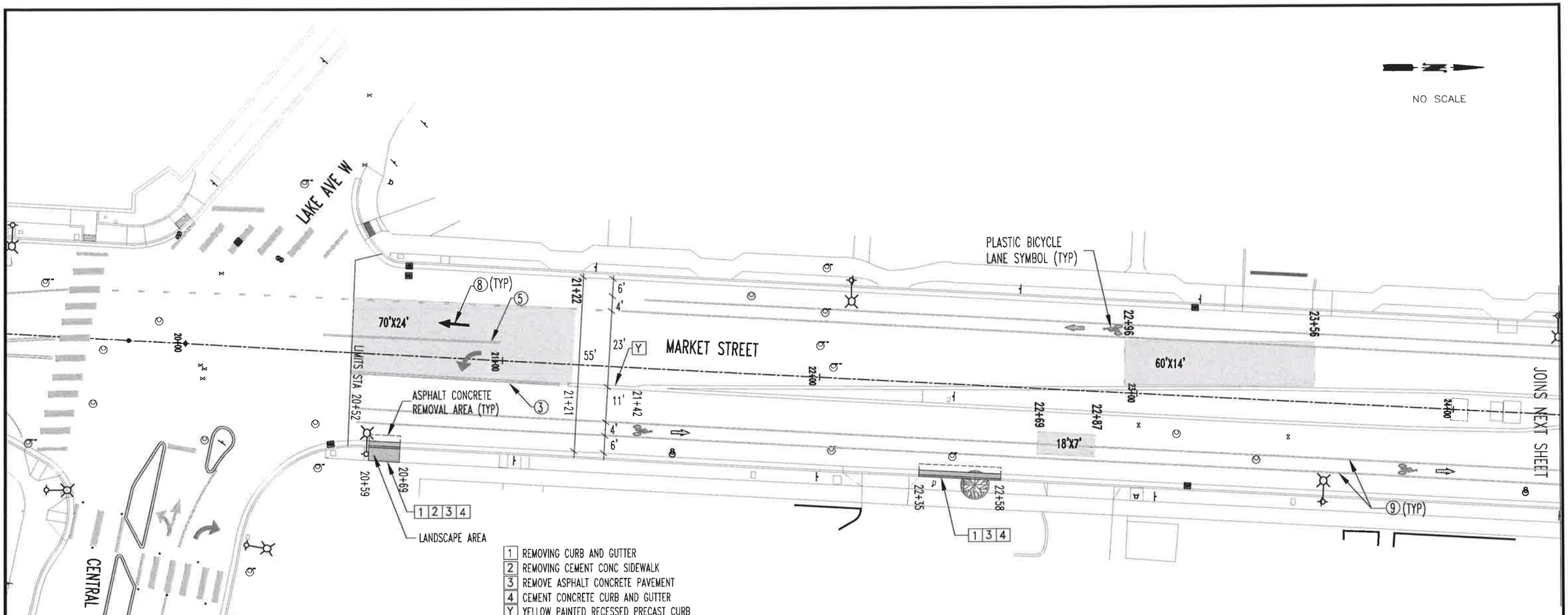
2020 STREET OVERLAY PROJECT
DETAIL SHEET

SHEET: 4/15
SCALE: N.T.S.
FILENAME: 2020 DETSHT.DWG



1 REMOVING CURB AND GUTTER
2 REMOVING CEMENT CONC SIDEWALK
3 REMOVE ASPHALT CONCRETE PAVEMENT
4 CEMENT CONCRETE CURB AND GUTTER
Y YELLOW PAINTED RECESSED PRECAST CURB

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	SEE SHEET 10 FOR ESTIMATED QUANTITIES			

SOLID WASTE PICKUP FOR THIS AREA IS TUESDAYS

NOTE: REMOVE EXISTING MOUNTABLE CURB IN ADVANCE OF 3" DEPTH, FULL WIDTH PLANING OPERATIONS. USE WSDOT STD PLAN NO F-10.64-03 FOR CURB, SEE DETAIL ON SHEET 4 OF THESE PLANS FOR RECESSED MOUNTABLE CURB INSTALLATION. SEE SHEET 13 FOR CURB REPLACEMENT LOCATION SCHEDULE.

PAVEMENT REPAIR EXCAVATION APPROXIMATE DIMENSIONS X'xX'

LEGEND:
- MANHOLE
- CATCH BASIN
- WATER VALVE
- GAS VALVE
- HYDRANT
- POWER POLE
- MAILBOX
- MONUMENT

PAVEMENT MARKING NOTES:
1. 4" CENTER SKIP PAINT LINE
2. 4" WHITE EDGE LINE
3. DOUBLE YELLOW PAINT LINE
4. 2-WAY LEFT TURN PAINT LINE
5. 8" WHITE WIDE LINE
6. 24"X10' PLASTIC CROSSWALK LINE
7. 18" PLASTIC STOP LINE
8. PLASTIC TRAFFIC ARROW
9. 6" BICYCLE LANE LINE

*NOTE: ALL PAINT STRIPES SHALL CONSIST OF TWO APPLICATIONS OVER NEW ASPHALT

CITY OF KIRKLAND WASHINGTON

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DESIGNED BY: DATE
JIM JENNINGS 4/2020
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CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
MARKET STREET
SCHEDULE B

SHEET: 5/15
SCALE: N.T.S.
FILENAME: MARKET ST.DWG

PAVEMENT REPAIR EXCAVATION APPROXIMATE DIMENSIONS X'xX'

NOTE: REMOVE EXISTING MOUNTABLE CURB IN ADVANCE OF 3" DEPTH, FULL WIDTH PLANING OPERATIONS. USE WSDOT STD PLAN NO F-10.64-03 FOR CURB, SEE DETAIL ON SHEET 4 OF THESE PLANS FOR RECESSED MOUNTABLE CURB INSTALLATION. SEE SHEET 13 FOR CURB REPLACEMENT LOCATION SCHEDULE.

SOLID WASTE PICKUP FOR THIS AREA IS TUESDAYS

NO SCALE

WAVERLY WAY

MARKET STREET

JOINS PREVIOUS SHEET

JOINS THIS SHEET

4TH AVE

5TH AVE W

5TH

6TH AVE

LIMITS

PLASTIC BICYCLE LANE SYMBOL PER CK-R.34 (TYP)

ASPHALT CONCRETE REMOVAL AREA (TYP)

PLACE TYPE 2 RAISED PAVEMENT MARKERS PER CK-R.28A (TYP)

GREEN MMA AT BICYCLE LANE, SEE DETAIL SHEET 4 AND KIRKLAND PRE APPROVED PLAN CK-R.36A (TYP)

9 (TYP)

6 (TYP)

117'X10'

25'X11'

82'x7'

42'X3'

20'X3'

10'X10'

53'X3'

15'X8'

86'x3'

115'X11'

73'X11'

24+66 25+00 25+06 25+16 25+27 25+68 25+83 25+89 26+00 26+14 26+48 26+59 26+62 26+78 27+00 27+16 27+30 27+41 27+74 28+00 28+56 28+76 29+00 30+00 30+54 30+60 31+00 31+07 31+57 31+72 32+64 33+00 33+29 33+50 33+59 33+60 34+00 34+02

1 REMOVING CURB AND GUTTER
3 REMOVE ASPHALT CONCRETE PAVEMENT
4 CEMENT CONCRETE CURB AND GUTTER
Y YELLOW PAINTED RECESSED PRECAST CURB

1 REMOVING CURB AND GUTTER
2 REMOVING CEMENT CONC SIDEWALK
3 REMOVE ASPHALT CONCRETE PAVEMENT
4 CEMENT CONCRETE CURB AND GUTTER
5 CEMENT CONCRETE DRIVEWAY ENTRANCE
Y YELLOW PAINTED PRECAST CURB

NO SCALE

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	SEE SHEET 10 FOR ESTIMATED QUANTITIES			

LEGEND:
- MANHOLE
- CATCH BASIN
- WATER VALVE
- GAS VALVE
- HYDRANT
- POWER POLE
- MAILBOX
- MONUMENT

PAVEMENT MARKING NOTES:
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GEORGE MINASSIAN, P.E./JIM JENNINGS DESIGNED BY: 4/2020 DATE
JIM JENNINGS DRAWN BY: 4/2020 DATE
CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
MARKET STREET
SCHEDULE B

SHEET: 6/15
SCALE: N.T.S.
FILENAME: MARKET ST.DWG

PLACE TYPE 2 RAISED PAVEMENT MARKERS PER CK-R.28A (TYP)

JOINS PREVIOUS SHEET

NOTE: REMOVE EXISTING MOUNTABLE CURB IN ADVANCE OF 3" DEPTH, FULL WIDTH PLANING OPERATIONS. USE WSDOT STD PLAN NO F-10.64-03 FOR CURB, SEE DETAIL ON SHEET 4 OF THESE PLANS FOR RECESSED MOUNTABLE CURB INSTALLATION. SEE SHEET 13 FOR CURB REPLACEMENT LOCATION SCHEDULE.

SOLID WASTE PICKUP FOR THIS AREA IS TUESDAYS

NO SCALE

7TH AVE W

2ND ST W

LIMITS

115'X11'

108'X11'

MARKET STREET

55'

6'
4'
12'
12'
11'
4'
6'

9 (TYP)

GREEN MMA AT BICYCLE LANE, SEE DETAIL SHEET 4 AND KIRKLAND PRE APPROVED PLAN CK-R.36A (TYP)

40'X7'

22'X7'

JOINS THIS SHEET

ASPHALT CONCRETE REMOVAL AREA (TYP)

PLASTIC BICYCLE LANE SYMBOL PER CK-R.34 (TYP)

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	SEE SHEET 10 FOR ESTIMATED QUANTITIES			

7TH AVE

8TH AVE

PLACE TYPE 2 RAISED PAVEMENT MARKERS PER CK-R.28A (TYP)

PAVEMENT REPAIR EXCAVATION APPROXIMATE DIMENSIONS X'xX'

LEGEND:
- MANHOLE
- CATCH BASIN
- WATER VALVE
- GAS VALVE
- HYDRANT
- POWER POLE
- MAILBOX
- MONUMENT

PAVEMENT MARKING NOTES:
1. 4" CENTER SKIP PAINT LINE
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NO SCALE

GREEN MMA AT BICYCLE LANE, SEE DETAIL SHEET 4 AND KIRKLAND PRE APPROVED PLAN CK-R.36A (TYP)

JOINS THIS SHEET

MARKET STREET

PLASTIC BICYCLE LANE SYMBOL PER CK-R.34 (TYP)

9 (TYP)

153'X3'

147'X7'

35'X10'

LIMITS

9TH AVE

10TH

1 REMOVING CURB AND GUTTER
3 REMOVE ASPHALT CONCRETE PAVEMENT
4 CEMENT CONCRETE CURB AND GUTTER
W WHITE PAINTED RECESSED PRECAST CURB
Y YELLOW PAINTED RECESSED PRECAST CURB

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JIM JENNINGS DRAWN BY: 4/2020 DATE

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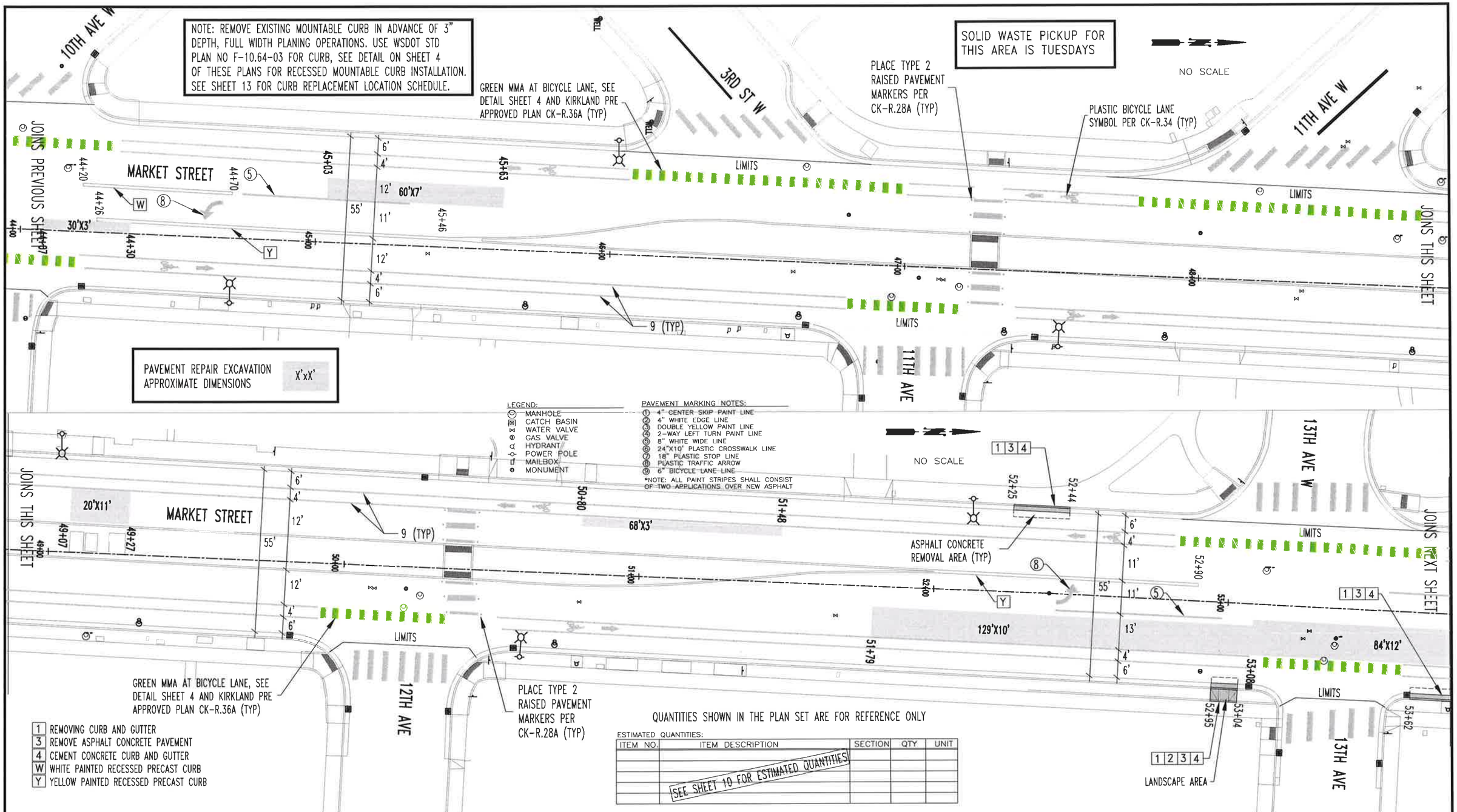
2020 STREET OVERLAY PROJECT
MARKET STREET
SCHEDULE B

SHEET: 7/15

SCALE: N.T.S.

FILENAME: MARKET ST.DWG



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2020 STREET OVERLAY PROJECT
MARKET STREET
SCHEDULE B

SHEET: 8/15
SCALE: N.T.S.
FILENAME: MARKET ST.DWG

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PLACE TYPE 2 RAISED PAVEMENT MARKERS PER CK-R.28A (TYP)

NO SCALE

4TH ST W

JOINS PREVIOUS SHEET

53+77 53+87 53+92 54+00 54+86 54+98 55+00 56+00 56+62 56+87 57+00 57+98 58+00 58+09

LIMITS

87'X7'

189'X12'

38'X7'

10'X10'

9 (TYP)

Y

14TH AVE W

MARKET STREET

JOINS THIS SHEET

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	SEE SHEET 10 FOR ESTIMATED QUANTITIES			

1	REMOVING CURB AND GUTTER
3	REMOVE ASPHALT CONCRETE PAVEMENT
4	CEMENT CONCRETE CURB AND GUTTER
W	WHITE PAINTED RECESSED PRECAST CURB
Y	YELLOW PAINTED RECESSED PRECAST CURB

GREEN MMA AT BICYCLE LANE, SEE DETAIL SHEET 4 AND KIRKLAND PRE APPROVED PLAN CK-R.36A (TYP)

PLASTIC BICYCLE LANE SYMBOL PER CK-R.34 (TYP)

14TH AVE

PAVEMENT REPAIR EXCAVATION APPROXIMATE DIMENSIONS X'xX'

PLACE TYPE 2 RAISED PAVEMENT MARKERS PER CK-R.28A (TYP)

NO SCALE

5TH ST W

16TH AVE W

JOINS THIS SHEET

58+08 59+00 59+08 59+60 59+84 60+00 60+30 60+41 60+47 61+00 61+11 61+52 61+76 62+00 62+24 62+30 62+41 62+76 63+00 63+22 63+33

20'X12'

24'X12'

160'X12'

70'X3'

17'X7'

35'X15'

9 (TYP)

LIMITS

MARKET

LIMITS STA 63+33

LEGEND:
- MANHOLE
- CATCH BASIN
- WATER VALVE
- GAS VALVE
- HYDRANT
- POWER POLE
- MAILBOX
- MONUMENT

PAVEMENT MARKING NOTES:
- 4" CENTER SKIP PAINT LINE
- 4" WHITE EDGE LINE
- DOUBLE YELLOW PAINT LINE
- 2-WAY LEFT TURN PAINT LINE
- 8" WHITE WIDE LINE
- 24"X10' PLASTIC CROSSWALK LINE
- 18" PLASTIC STOP LINE
- PLASTIC TRAFFIC ARROW
- 6" BICYCLE LANE LINE

*NOTE: ALL PAINT STRIPES SHALL CONSIST OF TWO APPLICATIONS OVER NEW ASPHALT

PLASTIC BICYCLE LANE SYMBOL PER CK-R.34 (TYP)

GREEN MMA AT BICYCLE LANE, SEE DETAIL SHEET 4 AND KIRKLAND PRE APPROVED PLAN CK-R.36A (TYP)

15TH AVE

16TH AVE

PAVEMENT REPAIR EXCA

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 4/29/20

APPROVED BY:

DATE: 4/29/2020

GEORGE MINASSIAN, P.E./JIM JENNINGS 4/2020
DESIGNED BY: DATE

JIM JENNINGS 4/2020
DRAWN BY: DATE

CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
MARKET STREET
SCHEDULE B

SHEET: 9/15
SCALE: N.T.S.
FILENAME: MARKET ST.DWG

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

PRECAST MOUNTABLE CURB REPLACEMENT LOCATIONS

BEGIN STA	END STA	COLOR	LF
21+21RT	21+42RT	YELLOW	21
25+27LT	25+68LT	YELLOW	41
26+62RT	27+74RT	YELLOW	112
33+59LT	34+24LT	YELLOW	65
35+14CTR	36+27CTR	YELLOW	113
42+45LT	43+43LT	YELLOW	98
42+92RT	43+72RT	WHITE	80
44+20LT	44+70LT	WHITE	50
44+26RT	45+46RT	YELLOW	120
52+00LT	52+90LT	YELLOW	90
53+77RT	55+00RT	YELLOW	113
60+47LT	61+52LT	YELLOW	105
61+11RT	61+76RT	WHITE	65
62+30RT	62+88RT	WHITE	58
65+59LT	63+22LT	YELLOW	63

CEMENT CONCRETE CURB AND GUTTER REPLACEMENT LOCATIONS

BEGIN STA	END STA
20+59RT	20+69RT
22+32RT	22+58RT
26+48RT	26+78RT
27+16RT	27+30RT
33+29RT	33+60RT
38+06RT	38+20RT
38+36RT	38+59RT
38+80RT	39+05RT
41+43RT	41+53RT
42+56RT	42+65RT
42+85LT	43+22LT
52+25LT	52+44LT
52+95RT	53+04RT
53+52RT	53+87RT

MARKET ST FRANCHISE UTILITY LOCATIONS

STA	OFFSET (L/R)	ID
22+00	10' LT	WCTCO
22+01	20' LT	GTE
22+04	4' LT	WCTCO
22+05	22' RT	ELI
22+42	22'RT	ELI
25+85	27' LT	PSE
27+17	14' LT	WCTCO
30+51	20' LT	WCTCO
34+15	11'RT	ELI
35+34	21' LT	WCTCO
39+75	21' LT	WCTCO
48+67	16' LT	GTE
48+83	16' LT	GTE
53+13	11.5' LT	WCTCO
57+51	11.5' LT	WCTCO
61+93	11.5' LT	WCTCO

DATA PRESENTED HERE ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT BE COMPLETE

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	PLANING BITUMINOUS PAVEMENT 3" DEPTH		23967	SY
	PAVEMENT REPAIR EXCAVATION INCLUDING HAUL		2307	SY
	HMA FOR PAVEMENT REPAIR CL 1/2" PG58H-22		520	TON
	HMA CL 1/2" PG58H-22 3" DEPTH		4116	TON
	REMOVING CEMENT CONCRETE CURB AND GUTTER		282	LF
	CEMENT CONCRETE CURB AND GUTTER		282	LF
	CEMENT CONCRETE DRIVEWAY APPROACH		10	SY
	REMOVING CEMENT CONCRETE SIDEWALK		9	SY
	HMA CLASS 1/2" PG58H-22 FOR CURB PATCH		22	TON
	CRUSHED SURFACING TOP COURSE FOR CONCRETE WORK		20	TON
	REMOVING ASPHALT CONCRETE PAVEMENT FOR CONCRETE WORK		68	SY
	LANDSCAPE RESTORATION AT CONCRETE AREA		76	SF
	EDGE RESTORATION		212	LF
	REMOVING PRECAST DUAL FACED SLOPED MOUNTABLE CURB		1194	LF
	PRECAST DUAL FACED SLOPED MOUNTABLE CURB		1194	LF
	ADJUST MANHOLE LOWERING		35	EA
	ADJUST MANHOLE RAISING		35	EA
	ADJUST WATER VALVE BOX LOWERING		58	EA
	REPLACE WATER VALVE BOX		58	EA
	ADJUST GAS VALVE BOX LOWERING		12	EA
	ADJUST GAS VALVE BOX RAISING		12	EA
	ADJUST CLEANOUT CASTING LOWERING		33	EA
	ADJUST CLEANOUT CASTING RAISING		33	EA
	ADJUST MONUMENT CASE AND COVER LOWERING		9	EA
	ADJUST MONUMENT CASE AND COVER RAISING		9	EA
	SURVEY MONUMENT CONSTRUCTION		8	EA
	ADJUST MISC UTILITY LOWERING		1	EA
	ADJUST MISC UTILITY RAISING		1	EA
	TEMPORARY PAVEMENT MARKING		15000	LF
	THERMOPLASTIC BICYCLE LANE SYMBOL		30	EA
	MMA GREEN BICYCLE LANE TREATMENT		2928	SF
	PAINT LINE		16700	LF
	PAINTED WIDE LINE		435	LF
	RAISED PAVEMENT MARKER, TYPE 2		1.84	HUN
	RAISED PAVEMENT MARKER, TYPE 2B		0.14	HUN
	PLASTIC STOP LINE		83	SF
	PLASTIC CROSSWALK LINE		4060	SF
	8 FOOT PLASTIC TRAFFIC LETTER		6	EA
	PLASTIC TRAFFIC ARROW		13	EA

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

PAVEMENT REPAIR EXCAVATION APPROXIMATE LOCATIONS - MARKET ST ONLY

MARKET ST FROM CENTRAL WAY TO 16TH AVE							
Sta.	DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA	Sta.	DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA	LENGTH (FT)	WIDTH (FT)	HMA CLASS 1/2" -4" DEPTH (TON)	AREA (SY)
NORTHBOUND LANE							
22+69RT	7'	22+87RT	7'	18	7	3	14
25+06RT	8'	25+16RT	8'	10	10	3	11
26+59RT	10'	27+41RT	10'	82	7	14	64
33+29RT	10'	34+02RT	10'	73	11	20	89
42+03LT	17'	43+50RT	17'	147	7	26	114
43+50RT	9'	43+85RT	9'	35	10	9	39
44+07RT	18'	44+37RT	18'	30	3	2	11
51+79RT	10'	53+08RT	10'	129	10	32	143
53+08RT	10'	53+92RT	10'	84	12	25	112
54+98RT	9'	56+87RT	9'	189	12	57	252
57+99RT	11'	58+09RT	11'	10	10	3	11
58+88RT	9'	59+08RT	9'	20	12	6	27
59+60RT	8'	59+84RT	8'	24	12	7	32
60+41RT	15'	61+11RT	15'	70	3	6	26
SOUTHBOUND LANE							
20+52LT	10'	21+22LT	10'	70	24	42	187
22+96LT	11'	23+56LT	8'	60	14	21	93
24+66LT	0	25+83LT	0	117	10	29	130
25+89LT	4'	26+14LT		25	11	7	31
27+41LT	10'	27+83LT	10'	42	3	3	15
28+56LT		28+76LT	12'	20	3	2	7
30+54LT	17'	31+07LT	17'	53	3	4	19
31+57LT	9'	31+72LT	9'	15	8	3	13
32+64LT	17'	33+50LT	17'	86	3	6	29
33+50LT	9'	34+65LT	9'	115	11	32	141
35+64LT	9'	36+72LT	9'	108	11	30	132
37+85LT	14'	38+25LT	14'	40	7	7	31
38+71LT	14'	39+13LT	14'	42	7	7	33
41+97LT	17'	43+50LT	17'	153	3	13	56
45+03LT	14'	45+63LT	14'	60	7	11	47
49+07LT	10'	49+27LT	10'	20	11	6	24
50+80LT	10'	51+48LT	10'	68	3	5	23
53+99LT	14'	54+86LT	14'	87	7	15	68
56+62LT	12	57+00LT	12	38	7	7	30
60+30LT	9'	61+90LT	9'	160	12	48	213
62+24LT	5'	62+41LT	5'	17	7	3	13
62+41LT	5'	62+76LT	5'	35	7	6	27

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN, STATE OF WASHINGTON, 21911, REGISTERED PROFESSIONAL ENGINEER

APPROVED BY:

DATE: 4/29/2020

GEORGE MINASSIAN, P.E./JIM JENNINGS 4/2020
DESIGNED BY: DATE

JIM JENNINGS 4/2020
DRAWN BY: DATE

CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
MARKET STREET
SCHEDULE B

SHEET: 10/15
SCALE: N.T.S.
FILENAME: MARKET ST.DWG

SOLID WASTE PICKUP FOR THIS AREA IS TUESDAYS AND FRIDAYS

NEW PAVEMENT MARKING

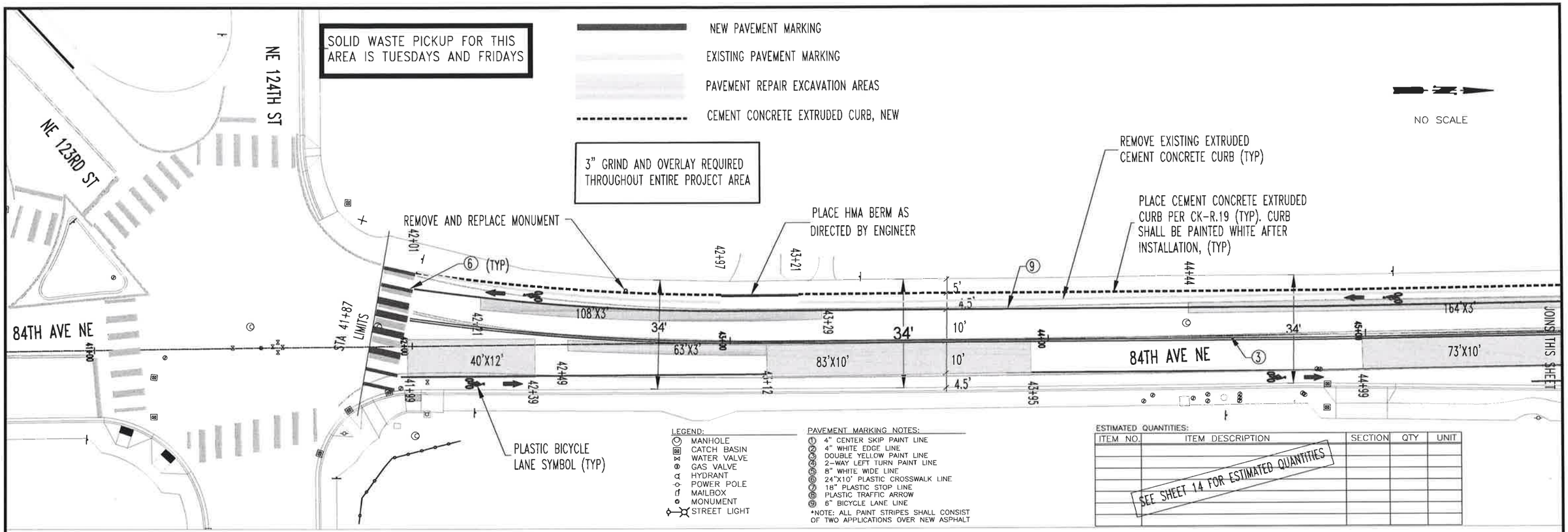
EXISTING PAVEMENT MARKING

PAVEMENT REPAIR EXCAVATION AREAS

CEMENT CONCRETE EXTRUDED CURB, NEW

NO SCALE

3" GRIND AND OVERLAY REQUIRED THROUGHOUT ENTIRE PROJECT AREA



LEGEND:
- MANHOLE
- CATCH BASIN
- WATER VALVE
- GAS VALVE
- HYDRANT
- POWER POLE
- MAILBOX
- MONUMENT
- STREET LIGHT

PAVEMENT MARKING NOTES:
1. 4" CENTER SKIP PAINT LINE
2. 4" WHITE EDGE LINE
3. DOUBLE YELLOW PAINT LINE
4. 2-WAY LEFT TURN PAINT LINE
5. 8" WHITE WIDE LINE
6. 24"X10' PLASTIC CROSSWALK LINE
7. 18" PLASTIC STOP LINE
8. PLASTIC TRAFFIC ARROW
9. 6" BICYCLE LANE LINE

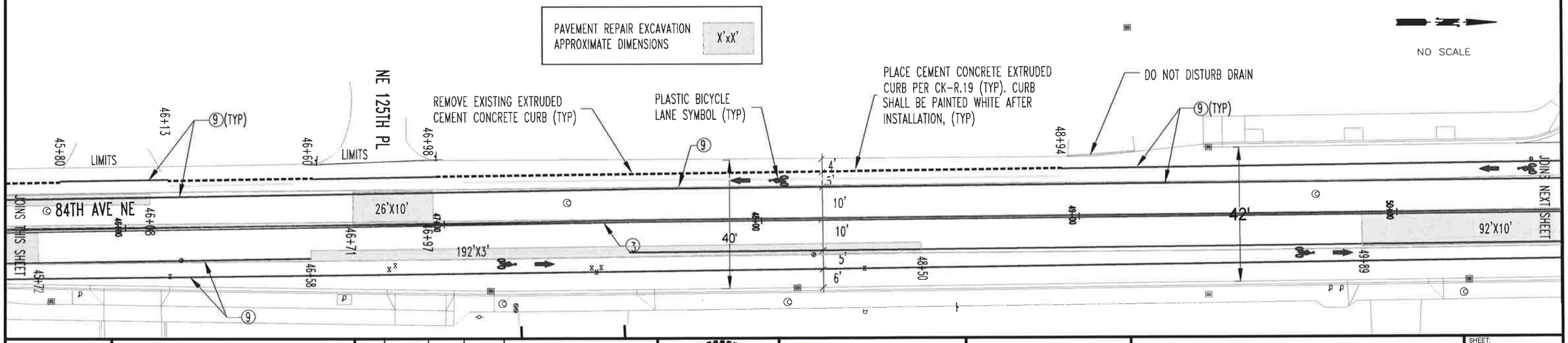
*NOTE: ALL PAINT STRIPES SHALL CONSIST OF TWO APPLICATIONS OVER NEW ASPHALT

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	SEE SHEET 14 FOR ESTIMATED QUANTITIES			

PAVEMENT REPAIR EXCAVATION APPROXIMATE DIMENSIONS X'xX'

NO SCALE



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN, STATE OF WASHINGTON, 44711, REGISTERED PROFESSIONAL ENGINEER

APPROVED BY:

DATE: 4/29/2020

GEORGE MINASSIAN, P.E./JIM JENNINGS 3/2020
DESIGNED BY: DATE

JIM JENNINGS 3/2020
DRAWN BY: DATE

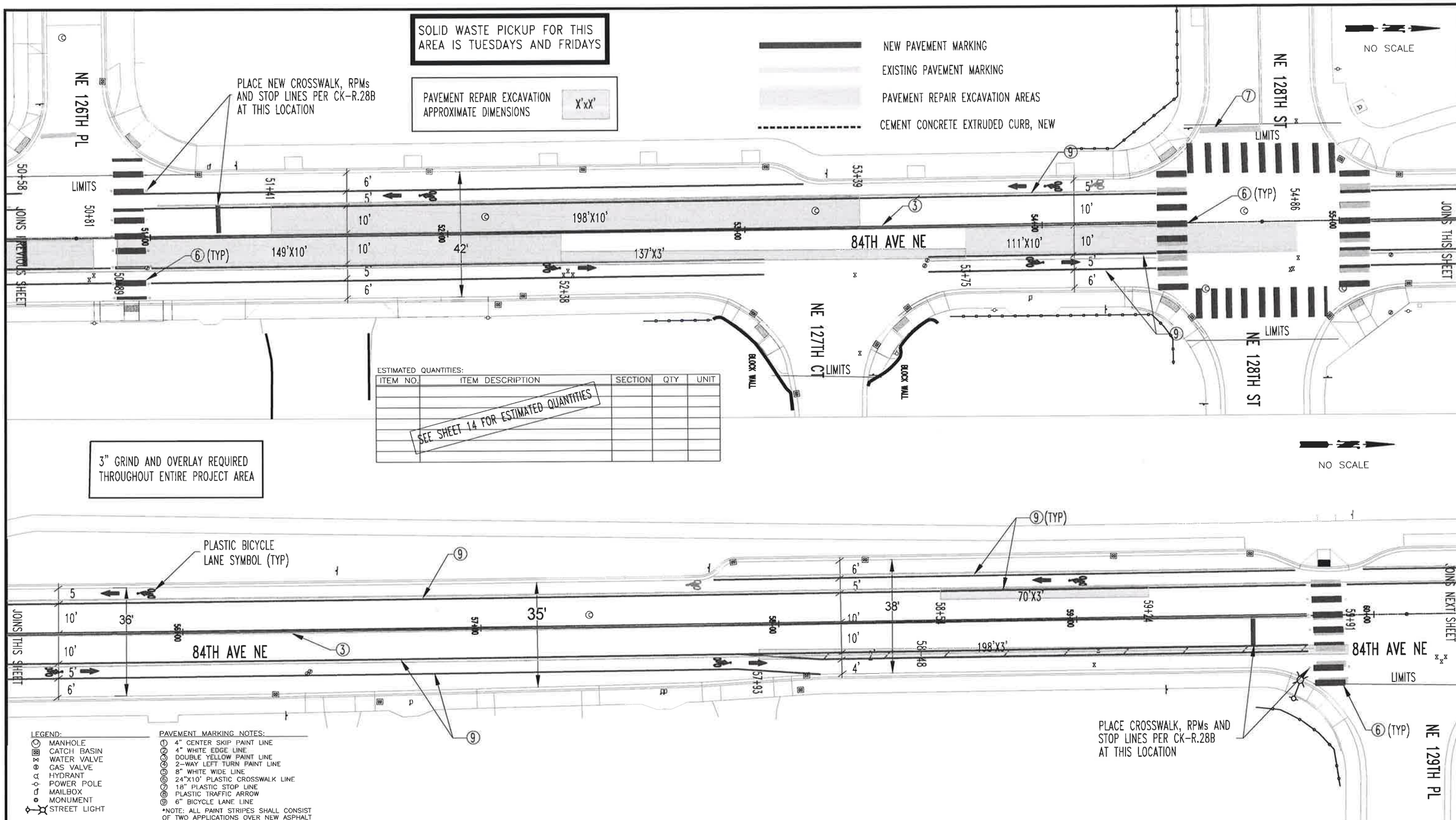
CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
84TH AVE NE
SCHEDULE C

SHEET: 11/15

SCALE: N.T.S.

FILENAME: 84TH AVE NE.DWG



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

APPROVED BY:

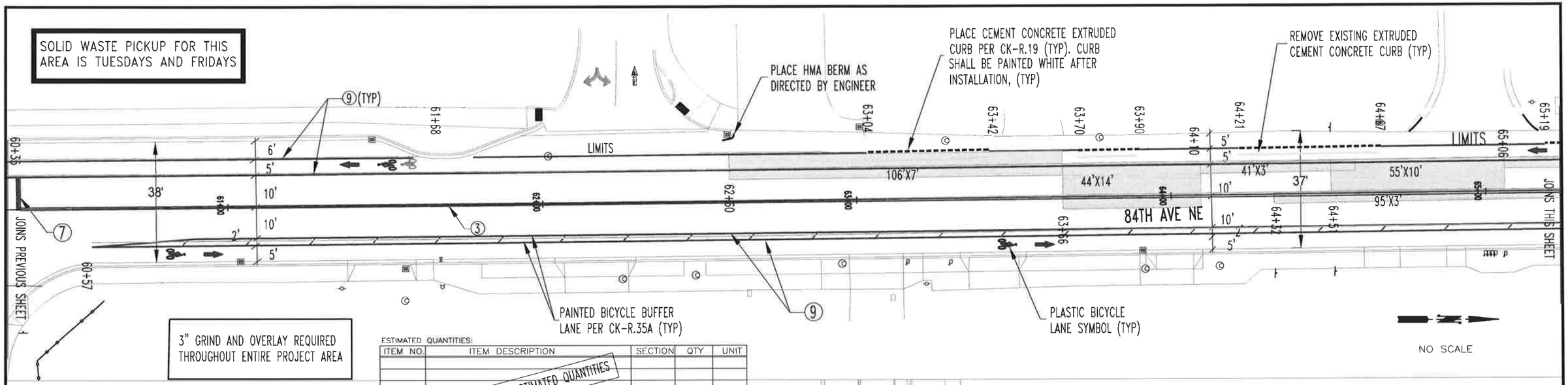
DATE: 4/29/2020

GEORGE MINASSIAN, P.E./JIM JENNINGS 3/2020
DESIGNED BY: DATE
JIM JENNINGS 3/2020
DRAWN BY: DATE
CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
84TH AVE NE
SCHEDULE C

SHEET: 12/15
SCALE: N.T.S.
FILENAME: 84TH AVE NE.DWG

SOLID WASTE PICKUP FOR THIS AREA IS TUESDAYS AND FRIDAYS

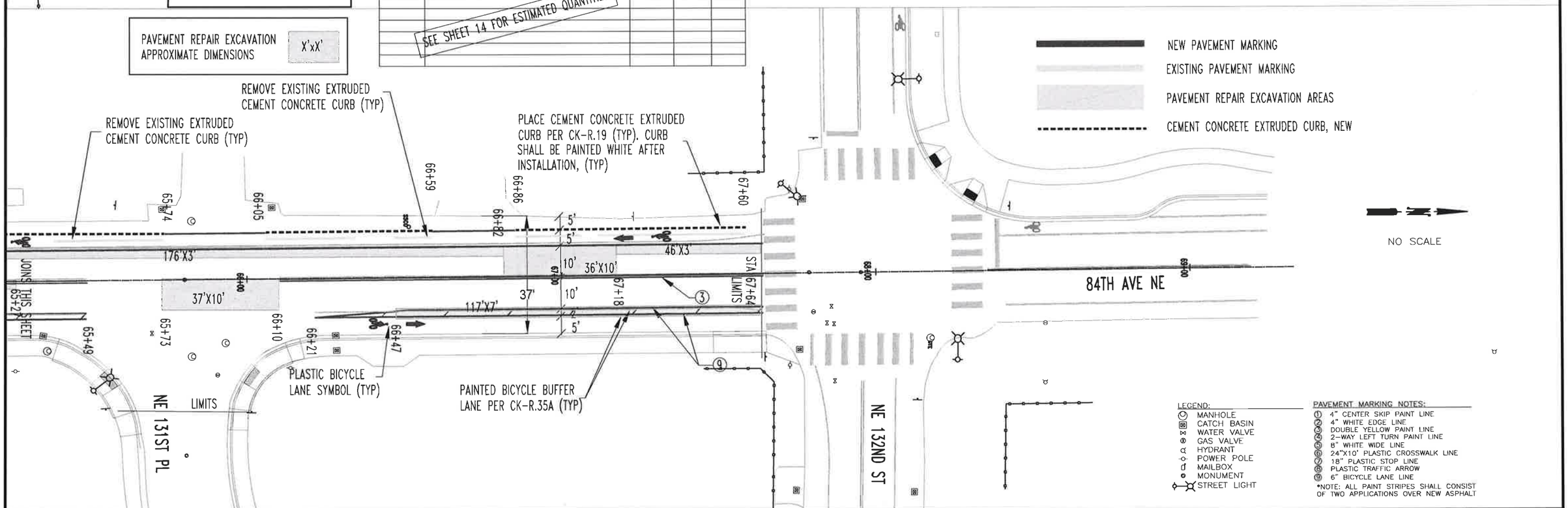


3" GRIND AND OVERLAY REQUIRED THROUGHOUT ENTIRE PROJECT AREA

PAVEMENT REPAIR EXCAVATION APPROXIMATE DIMENSIONS X'xX'

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	SEE SHEET 14 FOR ESTIMATED QUANTITIES			



NEW PAVEMENT MARKING
EXISTING PAVEMENT MARKING
PAVEMENT REPAIR EXCAVATION AREAS
CEMENT CONCRETE EXTRUDED CURB, NEW

LEGEND:
- MANHOLE
- CATCH BASIN
- WATER VALVE
- GAS VALVE
- HYDRANT
- POWER POLE
- MAILBOX
- MONUMENT
- STREET LIGHT

PAVEMENT MARKING NOTES:
1. 4" CENTER SKIP PAINT LINE
2. 4" WHITE EDGE LINE
3. DOUBLE YELLOW PAINT LINE
4. 2-WAY LEFT TURN PAINT LINE
5. 8" WHITE WIDE LINE
6. 24"X10' PLASTIC CROSSWALK LINE
7. 18" PLASTIC STOP LINE
8. PLASTIC TRAFFIC ARROW
9. 6" BICYCLE LANE LINE

*NOTE: ALL PAINT STRIPES SHALL CONSIST OF TWO APPLICATIONS OVER NEW ASPHALT

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN, STATE OF WASHINGTON, 44711, REGISTERED PROFESSIONAL ENGINEER

APPROVED BY:

DATE: 4/29/2020

GEORGE MINASSIAN, P.E./JIM JENNINGS 3/2020
DESIGNED BY: DATE

JIM JENNINGS 3/2020
DRAWN BY: DATE

CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
84TH AVE NE
SCHEDULE C

SHEET: 13/15
SCALE: N.T.S.
FILENAME: 84TH AVE NE.DWG

PAVEMENT REPAIR EXCAVATION APPROXIMATE LOCATIONS - 84TH AVE NE ONLY

84TH AVE NE FROM NE 124TH ST TO NE 132ND ST SOUTHBOUND LANE							
	DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA		DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA	LENGTH (FT)	WIDTH (FT)	HMA CLASS 1/2" -4" DEPTH (TON)	AREA (SY)
SOUTHBOUND LANE							
Sta.		Sta.					
42+21LT	12'	43+29LT	9'	108	3	9	40
44+44LT	8'	46+08LT	7'	164	3	14	60
46+71LT	9'	46+97LT	9'	26	10	7	29
51+41LT	10.5	53+39LT	10.5	198	10	50	220
58+54LT	10'	59+24LT	10'	70	3	6	26
62+60LT	7.5'	63+66LT	5'	106	7	19	82
64+10LT	9'	64+51LT	8.5'	41	3	3	15
64+10LT	9'	64+51LT	8.5'	41	3	3	15
64+51LT	8.5'	65+06LT	8.5'	55	10	14	61
65+06LT	8.5	66+82LT	10	176	3	15	65
66+82LT	9'	67+18LT	8'	36	10	9	40
67+18LT	8'	67+64LT	9'	46	3	4	17

PAVEMENT REPAIR EXCAVATION APPROXIMATE LOCATIONS - 84TH AVE NE ONLY

84TH AVE NE FROM NE 124TH ST TO NE 132ND ST NORTHBOUND LANE							
	DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA		DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA	LENGTH (FT)	WIDTH (FT)	HMA CLASS 1/2" -4" DEPTH (TON)	AREA (SY)
NORTHBOUND LANE							
Sta.		Sta.					
41+99RT	4'	42+39RT	4'	40	12	12	53
42+49RT	12'	43+12RT	10'	63	3	5	23
43+12RT	3.5'	43+95RT	3.5'	73	10	18	81
44+99RT	5'	45+72RT	7'	63	10	16	70
46+58RT	4'	48+50RT	10.5'	192	3	16	70
49+89RT	10.5'	50+81RT	10.5'	92	10	23	102
50+89RT	11'	52+38RT	11'	149	10	37	166
52+38RT	11'	53+75RT	10'	137	3	11	50
53+75RT	10'	54+86RT	10'	111	10	28	123
57+93RT	6'	59+91RT	4'	198	3	16	73
64+32RT	14'	65+27RT	14'	95	3	8	35
65+73RT	8'	66+10RT	8'	37	10	9	41
66+47RT	5'	67+64RT	5'	117	7	21	91

QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	PLANING BITUMINOUS PAVEMENT 3" DEPTH		11336	SY
	PAVEMENT REPAIR EXCAVATION INCLUDING HAUL		1648	SY
	HMA FOR PAVEMENT REPAIR CL 1/2" PG58H-22		372	TON
	HMA CL 1/2" PG58H-22 3" DEPTH		1958	TON
	HMA DRAINAGE BERM		6	LF
	REMOVING CEMENT CONCRETE EXTRUDED CURB		800	LF
	CEMENT CONCRETE EXTRUDED CURB		880	LF
	ADJUST MANHOLE LOWERING		14	EA
	ADJUST MANHOLE RAISING		2	EA
	ADJUST WATER VALVE BOX LOWERING		27	EA
	ADJUST GAS VALVE BOX LOWERING		10	EA
	ADJUST GAS VALVE BOX RAISING		10	EA
	ADJUST CLEANOUT CASTING LOWERING		1	EA
	ADJUST CLEANOUT CASTING RAISING		1	EA
	ADJUST MONUMENT CASE AND COVER LOWERING		4	EA
	ADJUST MONUMENT CASE AND COVER RAISING		4	EA
	SURVEY MONUMENT CONSTRUCTION		2	EA
	EDGE RESTORATION		1250	LF
	TEMPORARY PAVEMENT MARKING		8800	LF
	THERMOPLASTIC BICYCLE LANE SYMBOL		22	EA
	PAINT LINE		10400	LF
	4" WHITE PAINT HATCHING		120	LF
	RAISED PAVEMENT MARKER, TYPE 2		1.80	HUN
	RAISED PAVEMENT MARKER, TYPE 2B		0.03	HUN
	PLASTIC STOP LINE		92	SF
	PLASTIC CROSSWALK LINE		1080	SF

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN, STATE OF WASHINGTON, 19332, PROFESSIONAL ENGINEER

APPROVED BY:

DATE: 4/29/2020

GEORGE MINASSIAN, P.E./JIM JENNINGS 3/2020
DESIGNED BY: DATE

JIM JENNINGS 3/2020
DRAWN BY: DATE

CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
84TH AVE NE
PAVEMENT REPAIR EX LOCATIONS/ESTIMATED QUANTITIES
SCHEDULE C

SHEET: 14/15
SCALE: N.T.S.
FILENAME: 84TH AVE NE.DWG

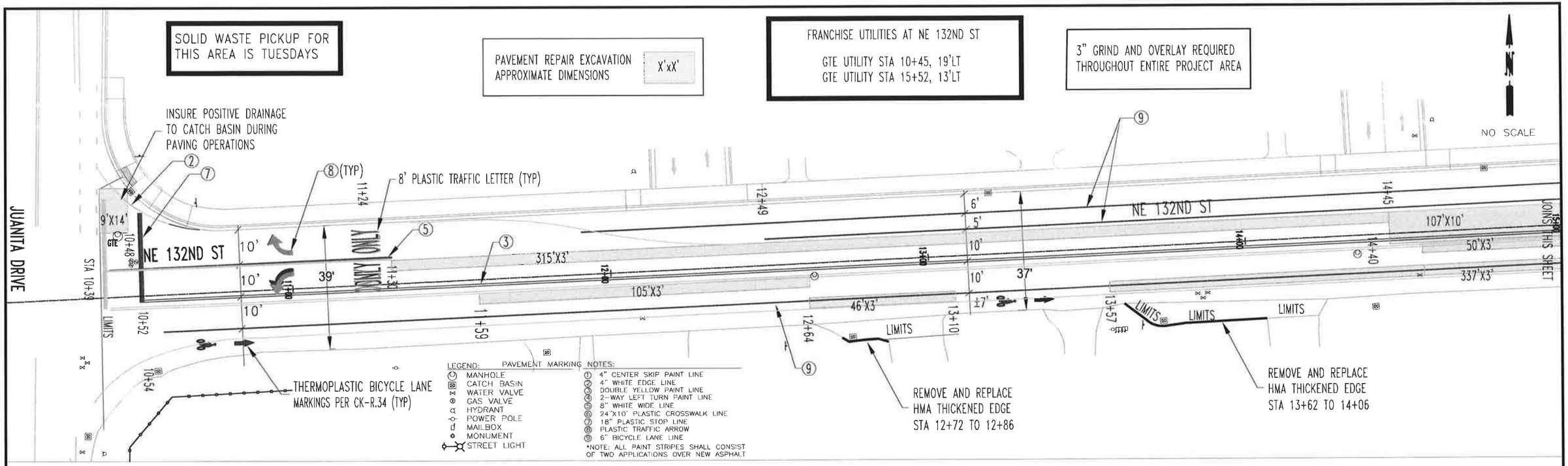
SOLID WASTE PICKUP FOR THIS AREA IS TUESDAYS

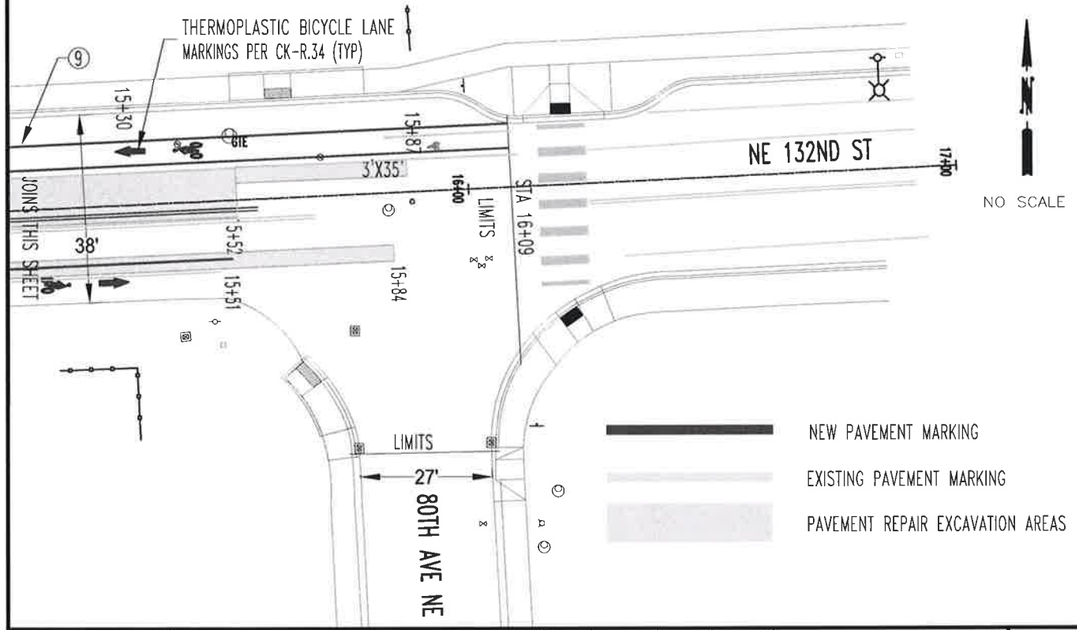
PAVEMENT REPAIR EXCAVATION APPROXIMATE DIMENSIONS X'xX'

FRANCHISE UTILITIES AT NE 132ND ST

GTE UTILITY STA 10+45, 19'LT
GTE UTILITY STA 15+52, 13'LT

3" GRIND AND OVERLAY REQUIRED THROUGHOUT ENTIRE PROJECT AREA





QUANTITIES SHOWN IN THE PLAN SET ARE FOR REFERENCE ONLY

ESTIMATED QUANTITIES:

ITEM NO.	ITEM DESCRIPTION	SECTION	QTY	UNIT
	PLANING BITUMINOUS PAVEMENT 3" DEPTH		2667	SY
	HMA CLASS 1/2" PG58H-22 3" DEPTH		477	TON
	PAVEMENT REPAIR EXCAVATION INCLUDING HAUL		458	SY
	HMA FOR PAVEMENT REPAIR CL 1/2" PG58H-22		103	TON
	HMA THICKENED EDGE		65	LF
	ADJUST MANHOLE-LOWERING		4	EA
	ADJUST CATCH BASIN-LOWERING		3	EA
	ADJUST CATCH BASIN-RAISING		3	EA
	ADJUST WATER VALVE BOX-LOWERING		8	EA
	ADJUST GAS VALVE BOX-LOWERING		6	EA
	ADJUST GAS VALVE BOX-RAISING		6	EA
	ADJUST MONUMENT CASE & COVER-LOWERING		1	EA
	ADJUST MONUMENT CASE & COVER-RAISING		1	EA
	EDGE RESTORATION		425	LF
	TEMPORARY PAVEMENT MARKING		1650	LF
	THERMOPLASTIC BICYCLE LANE SYMBOL		4	EA
	PAINT LINE		1950	LF
	PAINTED WIDE LINE		80	LF
	RAISED PAVEMENT MARKER TYPE 2		0.32	HUN
	RAISED PAVEMENT MARKER TYPE 2B		0.02	HUN
	THERMOPLASTIC TRAFFIC ARROW		2	EA
	THERMOPLASTIC STOP LINE		45	SF
	THERMOPLASTIC 8' TRAFFIC LETTER		8	EA

PAVEMENT REPAIR EXCAVATION APPROXIMATE LOCATIONS - NE 132ND ST ONLY

NE 132ND ST FROM JUANITA DRIVE TO 80TH AVE NE							
Sta.	DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA	Sta.	DIST FROM EOP TO NEAREST EDGE OF REPAIR AREA	LENGTH (FT)	WIDTH (FT)	HMA CLASS 1/2" -4" DEPTH (TON)	AREA (SY)
WESTBOUND LANE							
10+39LT	W LIMITS	10+48LT	GUTTER	9	14	3	14
11+30LT	12'	14+45LT	12'	315	3	26	116
14+45LT	12'	15+52LT	12'	107	10	27	119
15+52LT	12'	15+87LT	12'	35	3	3	13
EASTBOUND LANE							
11+59RT	12'	12+64RT	12'	105	3	9	39
12+64RT	5'	13+10RT	4'	46	3	4	17
13+57RT	4'	14+40RT	5'	83	3	7	30
14+56RT	13'	15+06RT	13'	50	3	4	18
14+56RT	5'	15+84RT	5'	126	3	10	46

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

GEORGE MINASSIAN, STATE OF WASHINGTON, 44111, REGISTERED PROFESSIONAL ENGINEER

APPROVED BY:

DATE: 4/29/2020

GEORGE MINASSIAN, P.E./JIM JENNINGS 4/2020
DESIGNED BY: DATE

JIM JENNINGS 4/2020
DRAWN BY: DATE

CHECKED BY: DATE

2020 STREET OVERLAY PROJECT
NE 132ND ST
SCHEDULE C

SHEET: 15/15
SCALE: N.T.S.
FILENAME: NE 132ND ST.DWG