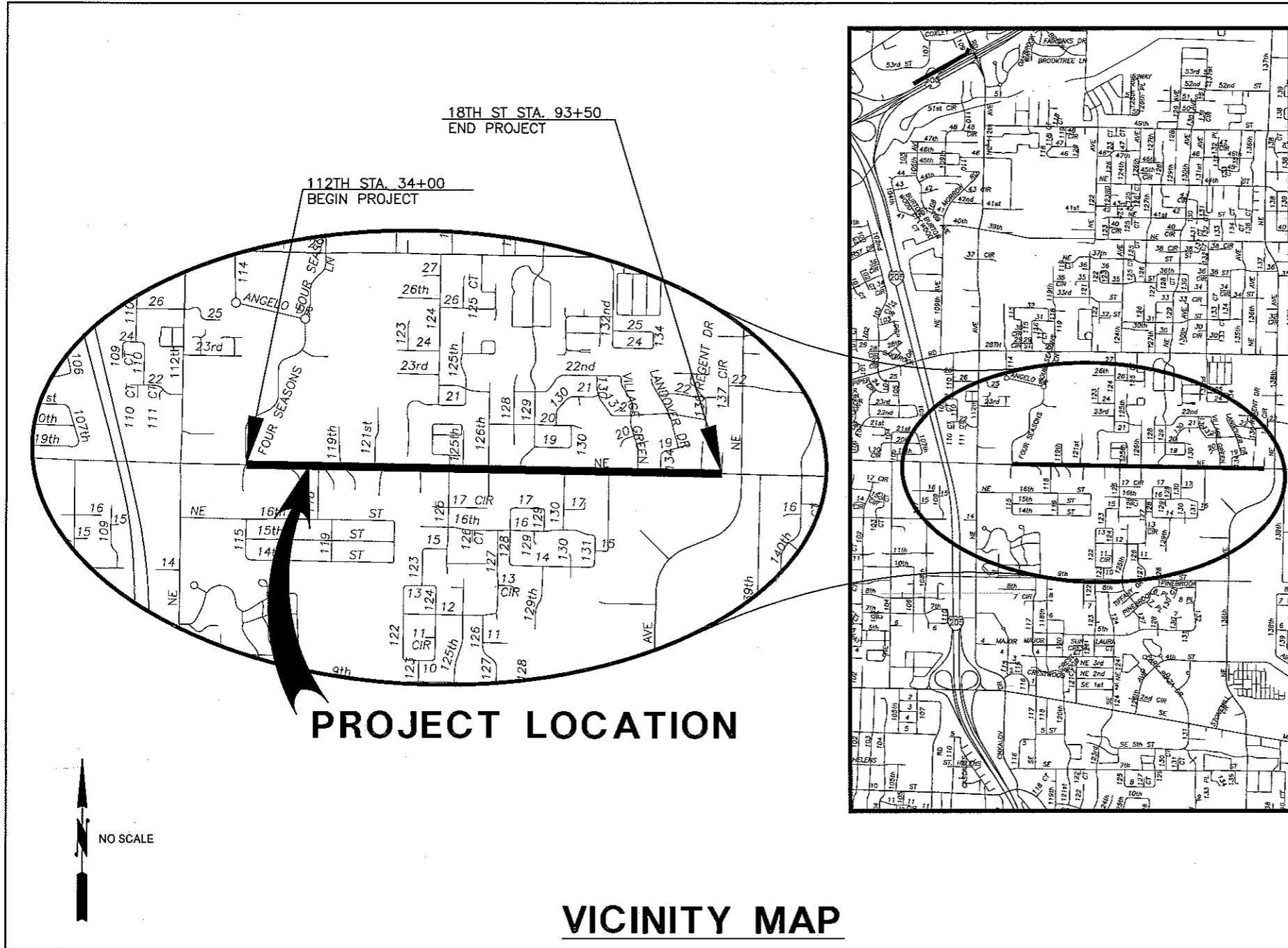


CITY OF VANCOUVER, WASHINGTON



90% PLANS FOR PROPOSED
NE 18TH STREET
 FROM
NE FOUR SEASONS LANE TO NE 138TH AVENUE
STREET IMPROVEMENTS

JULY 2010

PROJECT NUMBER - 071609
BUDGET NO. - 330-712107-0000-071609-06.10.00 ENG/CONST. ADMIN
330-712107-0000-071609-06.11.00 INSPECTION
330-712305-0000-071609-06.19.00 CONTRACTOR
330-712107-0000-071609-06.20.00 SURVEY
FEDERAL AID NO. - HPP-4254 (004)
FEDERAL AGREEMENT NO. - LA 6462
FEDERAL CONTRACT NO. - XXXXX

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PROJECT LOCATION

VICINITY MAP



VANCOUVER DEPARTMENT OF TRANSPORTATION
 P.O. BOX 1995
 VANCOUVER, WA 98668-1995
 360-487-7700
 FAX: 360-487-7699

APPROVAL BY: _____
 TRAFFIC ENGINEERING MANAGER

APPROVAL BY: _____
 ENGINEERING MANAGER

SHEET **1** OF _____

NE 18TH STREET - NE FOUR SEASONS LN TO NE 138TH AVE.



LEGEND

FEDERAL CONTRACT NUMBER: FEDERAL AID NUMBER: HPP-4254 (004)

GENERAL NOTES:

- 1. DATUM IS NAVD 88(91).
2. ALL CONSTRUCTION AND MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE IN ACCORDANCE WITH THE 2010 STANDARD SPECIFICATIONS AND STANDARD PLANS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION...
3. EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO RECORD DRAWINGS AND SURFACE LOCATIONS...
4. THE LIMITS OF CONSTRUCTION SHALL BE THE AREA WITHIN THE RIGHT-OF-WAY OR AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER...
5. ALL SURVEY CONTROL NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT NO COST TO THE CONTRACTOR...
6. AT THE END OF EACH WORKDAY THE CONTRACTOR SHALL CLEAN THE PROJECT AREA AND LEAVE IT IN A NEAT AND SECURED MANNER...
7. THE CONTRACTOR SHALL PRUNE ALL VEGETATION AS NECESSARY AWAY AND UP FROM THE NEW SIDEWALK AND PERFORM ANY ROOT REMOVAL TO ANSI A-300 PRUNING STANDARDS...
8. CONTRACTOR SHALL NOTIFY OTHER PUBLIC UTILITIES (GAS, PHONE, ELECTRIC, CABLE TV, ETC.) TO MAKE ALL NECESSARY ADJUSTMENTS TO RESPECTIVE FACILITIES...
9. ALL PEDESTRIAN RAMPS SHALL BE CITY STANDARD, UNLESS DIRECTED OTHERWISE BY THE ENGINEER...
10. STRIPING AND SIGNING WORK, UNLESS OTHERWISE NOTED, SHALL BE COMPLETED BY THE CONTRACTOR...
11. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES...
12. CURB RETURN ELEVATIONS GIVEN ARE AT TOP OF CURB, UNLESS OTHERWISE NOTED...
13. THE CONTRACTOR SHALL MAKE EVERY REASONABLE EFFORT TO PROTECT THE REMAINING EXISTING CONCRETE CURBS AND SIDEWALKS AS INDICATED ON THE PLANS...
14. SIDEWALK WIDTHS ARE MEASURED FROM BACK OF CURB TO THE BACK OF SIDEWALK, AND HAVE A 2% CROSS SLOPE...
15. THE CONTRACTOR SHALL PERFORM ALL EROSION CONTROL WORK IN ACCORDANCE TO THE CITY OF VANCOUVER EROSION CONTROL ORDINANCE, SECTION 14-24...
16. ALL MATERIAL SHALL BE PROVIDED BY CONTRACTOR UNLESS OTHERWISE SPECIFIED.

REFERENCE LINETYPES table with columns: EXISTING, PROPOSED, DESCRIPTION. Includes items like D.L.C., SUBDIV BOUNDARY, PRELIMINARY PLAT, PROPERTY LINES (MAJOR), PROPERTY LINES (MINOR), PAVEMENT EASEMENT, RIGHT OF WAY, CENTER LINE, CENTER LINE TEXT, TRAVERSE LINE, TEMPORARY CONSTRUCTION PERMIT LINE, DIMENSION LINE.

FEATURE LINETYPES table with columns: EXISTING, PROPOSED, DESCRIPTION. Includes items like CURB/.5 OFFSET, CURB/CURB & GUTTER 1.0 OFFSET, BRIDGE, SIDEWALK, PAVED ROAD, GRAVEL ROAD, DRIVE/PARKING, GUARD RAIL, TRAIL, FENCE, TREELINE, BRUSHLINE, CONCRETE PAD, RAILROAD (4.8' OFFSET), BUILDINGS, WATER EDGE, DRAINAGE DITCH, RETAINING WALL, STAIRS, CUT LIMITS, FILL LIMITS, CLEARING AND GRUBBING.

UTILITY LINETYPES table with columns: EXISTING, PROPOSED, DESCRIPTION. Includes items like WATER LINE, SANITARY SEWER, STORM SEWER, POWER, TELEPHONE, GAS, CABLE TV, INTERCONNECT CONDUIT, FIBER OPTIC CONDUIT, LIGHTING, TRAFFIC SIGNAL CONDUIT, TRAFFIC SIGNAL CONDUIT FIBEROPTIC.

WATER SYMBOLS table with columns: SYMBOL EXIST., SYMBOL PROP., DESCRIPTION. Includes FIRE HYDRANT, WATER METER, BLOW-OFF, WATER VALVE, THRUST BLOCK, CROSS, TEE, REDUCER, PLUG.

SEWER SYMBOLS table with columns: SYMBOL EXIST., SYMBOL PROP., DESCRIPTION. Includes SAN. SEWER MANHOLE, SAN. SEWER CLEAN OUT.

POWER SYMBOLS table with columns: SYMBOL EXIST., SYMBOL PROP., DESCRIPTION. Includes POWER POLE, PAD MOUNTED TRANSFORMER, POWER VAULT (UNDERGROUND), POWER VAULT (ABOVE GROUND), TRANSMISSION TOWER, POLE ANCHOR.

TELEPHONE SYMBOLS table with columns: SYMBOL EXIST., SYMBOL PROP., DESCRIPTION. Includes TELEPHONE PEDESTAL, TELEPHONE VAULT, TELEPHONE MANHOLE.

GAS SYMBOLS table with columns: SYMBOL EXIST., SYMBOL PROP., DESCRIPTION. Includes GAS METER, GAS VALVE.

SURVEY SYMBOLS table with columns: SYMBOL, DESCRIPTION. Includes SECTION CORNER, QUARTER CORNER N/S, QUARTER CORNER E/W, SPOT ELEVATION, BENCH MARK, PK NAIL, MONUMENT, IRON PIPE, OWNERSHIP TIE.

ABBREVIATIONS table with columns: SYMBOL, DESCRIPTION. Includes BIT., BITUMINOUS, CONT. COORD. CTSK. C.Y., CONTINUOUS COORDINATE COUNTERSUNK CUBIC YARDS, F.F.E., FINISH FLOOR ELEVATION, FINISHED GRADE, FIRE HYDRANT, FINISH FIBEROPTIC FEMALE IRON PIPE THREAD, F.O.C., FACE OF CURB, FT., FOOT OR FEET, FTG., FOOTING, GA., GALLON, GALV., GALVANIZED, H.B., HOSE BIB, H.C., HANDICAP, HDR., HEAD, H.P., HIGH POINT, HT., HEIGHT, HWY., HIGHWAY, I.D., INSIDE DIAMETER, I.E., INVERT ELEVATION, IN., INCHES, INT., INTERCONNECT, JT., JOINT, LA., LANDSCAPE ARCHITECT, L.F., LINEAR FEET, L.P., LOW POINT, LIGHT POLE, LT., LIGHT, LHT., LIGHTING, MAX., MAXIMUM, MB, MAILBOX, MED., MEDIUM, MEMB., MEMBRANE, MET., METAL, MFR., MANUFACTURER, MH., MANHOLE, MIN., MINIMUM, MIPT, MISC., MISCELLANEOUS, N, NORTH, N.I.C., NOT IN CONTRACT, NO., NUMBER, N.T.S., NOT TO SCALE, O.C., ON CENTER, O.D., OUTSIDE DIAMETER, OPP., OPPOSITE, P, PARKING, P.A., PLANTING AREA, PAT., PATTERN, P.C., POINT OF CURVATURE, P.O.B., POINT OF BEGINNING, P.O.C., POINT OF CONNECTION, P.S., PIPE SLEEVE, P.T., POINT OF TANGENCY, PUD, P.V.C., POWER POLYVINYL CHLORIDE PIPE, R, RISER, R, RAD., RADIUS, RIM, RIM ELEVATION, REIN., REINFORCED, REINFORCING REQUIRED, REQ.D., R.O.W., R/W, RIGHT OF WAY, S, SANITARY SEWER, S.F., SQUARE FEET, SHT., SHEET, SLV., SLEEVE, SPA., SPACES, SPECS., SPECIFICATIONS, SQ., SQUARE, STL, STM, STEEL, T, T.C., T.C., TREAD, T.O.P., T.O.P. OF CURB, T.O.O.L.E.D. JOINT, T.S., T.O.P. OF SLOPE, T.W., T.O.P. OF WALL, TEL., TELEPHONE, TV, TELEVISION, TS, TRAFFIC SIGNAL CONDUIT, TSPO, TRAFFIC SIGNAL CONDUIT FIBEROPTIC, VERT., VERTICAL, W, WEST, WATER, W/O, WITHOUT, WPF., WATERPROOF, W.W.M., WELDED WIRE MESH

TRAFFIC SIGNAL INTERCONNECT AND LIGHTING SYMBOLS table with columns: SYMBOL EXIST., SYMBOL PROP., DESCRIPTION. Includes DIAMOND DETECTOR 6X8, QUADRAPOLE DETECTOR 20', QUADRAPOLE DETECTOR 50', SQUARE DETECTOR 6X6, BIKE DIAMOND DETECTOR 2.4X3.2, CIRCLE DETECTOR 6', RADAR DETECTOR (RTMS) UNIT, VIDEO CAMERA, EV INDICATOR LIGHTS, EV OPTICOM SENSOR, PED. PUSHBUTTON (1), TENON, PEDESTRIAN SIGNAL HEAD, TRAFFIC PEDESTRIAN SIGNAL POLE, TRAFFIC SIGNAL POLE, VEHICLE SIGNAL HEAD, VEHICLE SIGNAL HEAD W/ARROW INDICATOR, SIGNAL HEAD W/PROGRAMMED VISIBILITY, OVERHEAD SIGN ASSEMBLY, TRAFFIC CONTROL SIGN, SIGNAL CONTROLLER CABINET, JUNCTION BOX (TYPE IB), JUNCTION BOX (TYPE II), JUNCTION BOX (TYPE II-M), INTERCONNECT PEDESTAL, JUNCTION BOX (TYPE 3), SERVICE CABINET, FIBEROPTIC TERMINATION CABINET, SPLICE VAULT, CONTACTOR CABINET, STREET LIGHT, YARD LIGHT.

MISCELLANEOUS and NOTE BUBBLES table. Includes ASPHALT PAVEMENT LIMITS, ASPHALT PAVEMENT RESTORATION, CONCRETE SIDEWALK, TEMPORARY ASPHALT SIDEWALK, TRUNCATED DOME HATCH, REMOVAL, CONSTRUCTION NOTE, SIGNING NOTE.

Vertical sidebar containing project information: NE 18TH STREET IMPROVEMENTS, NE FOUR SEASONS LN TO NE 138TH AVE, PROJECT NUMBER 071609, TASK NUMBER 06.10.00, SHEET OF. Includes logos for VANCOUVER DEPARTMENT OF TRANSPORTATION and VANCOUVER WASHINGTON.

7/8/2010

FEDERAL CONTRACT NUMBER: _____ FEDERAL AID NUMBER: HPP-4254 (004)



VANCOUVER DEPARTMENT OF TRANSPORTATION P.O. BOX 1995 VANCOUVER, WA 98668-1995 360-487-7700 FAX: 360-487-7888

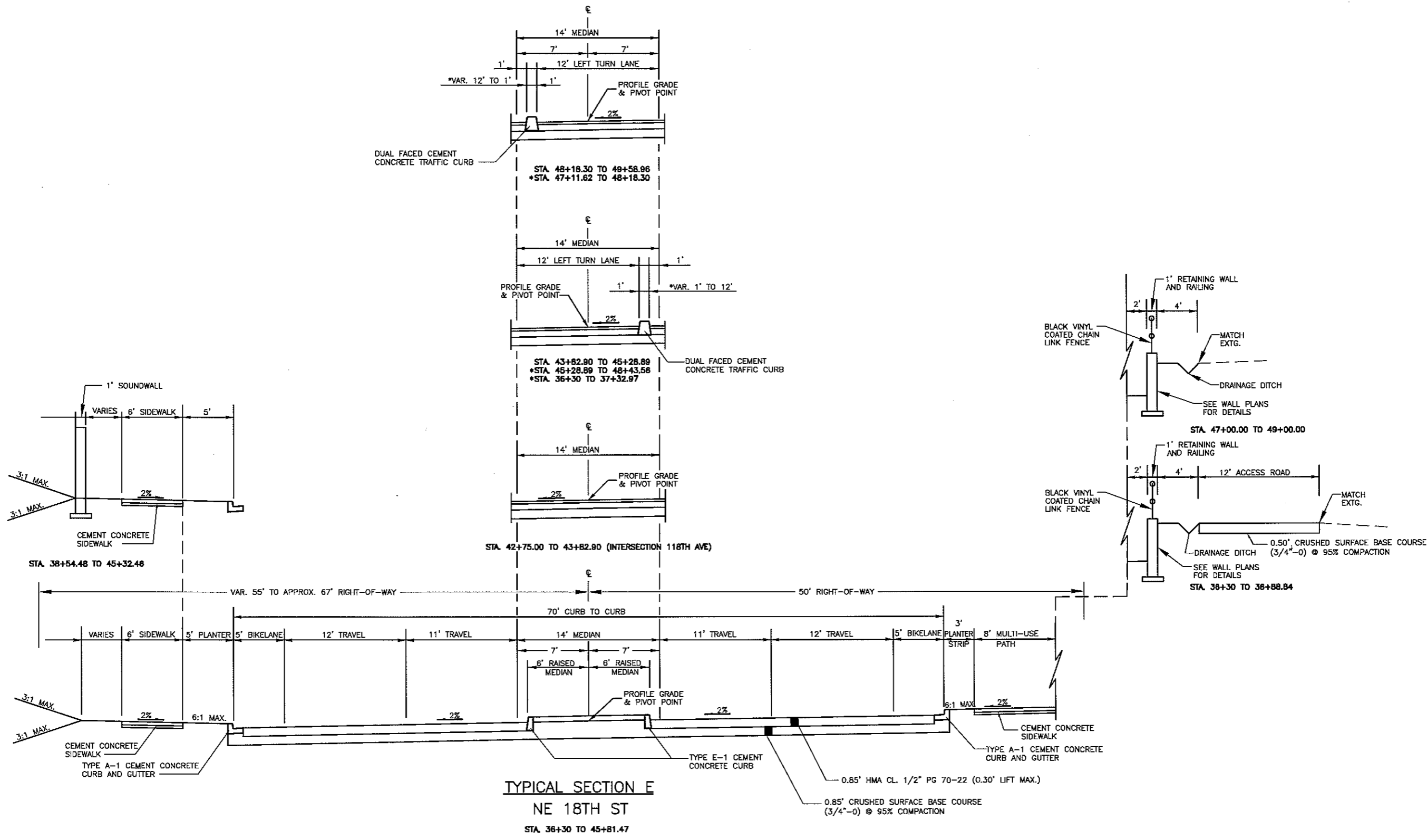
PRELIMINARY 90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAM
APPROVED BY:	MHA
REVISIONS:	
NO.	
DATE	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
TYPICAL ROADWAY SECTIONS

PROJECT NUMBER 071609
TASK NUMBER 061000
G03
SHEET OF

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (1-205 TO 138TH AVE)\PS&E\SHEETS\G03-G09.DWG



NOTES:

RIGHT-OF-WAY TYPICALLY 1' BEHIND SIDEWALK WHERE RIGHT-OF-WAY VARIES, SEE RIGHT-OF-WAY PLANS FOR DETAILS OF RIGHT-OF-WAY LIMITS, TEMPORARY AND PERMANENT CONSTRUCTION EASEMENTS.

EMBANKMENT & SUBGRADE TO BE COMPACTED PER WSDOT COMPACTION METHOD B.

SEE WALL PLANS FOR WALL DETAILS.



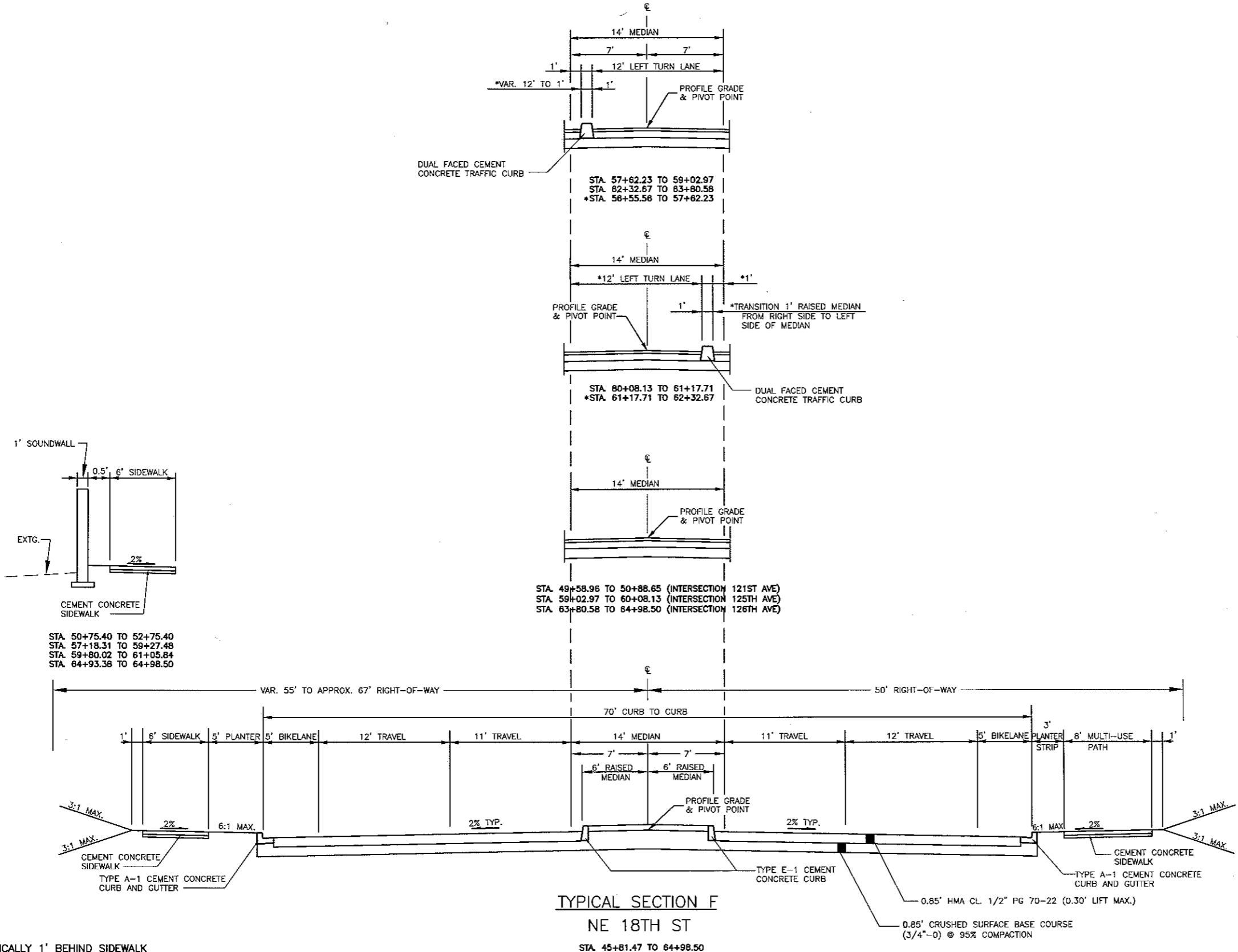
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APPROVED BY:	MHA	
REVISIONS		
DATE	NO.	DESCRIPTION

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
TYPICAL ROADWAY SECTIONS

PROJECT NUMBER	071609
TASK NUMBER	06.10.00
SHEET	G04
OF	



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7/8/2010

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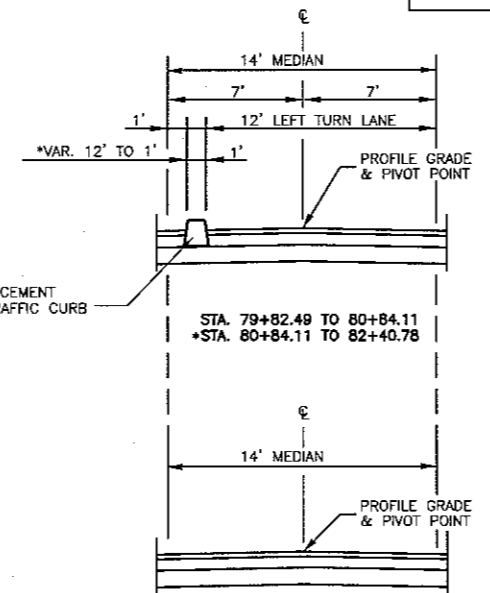
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PRELIMINARY 90% PLAN

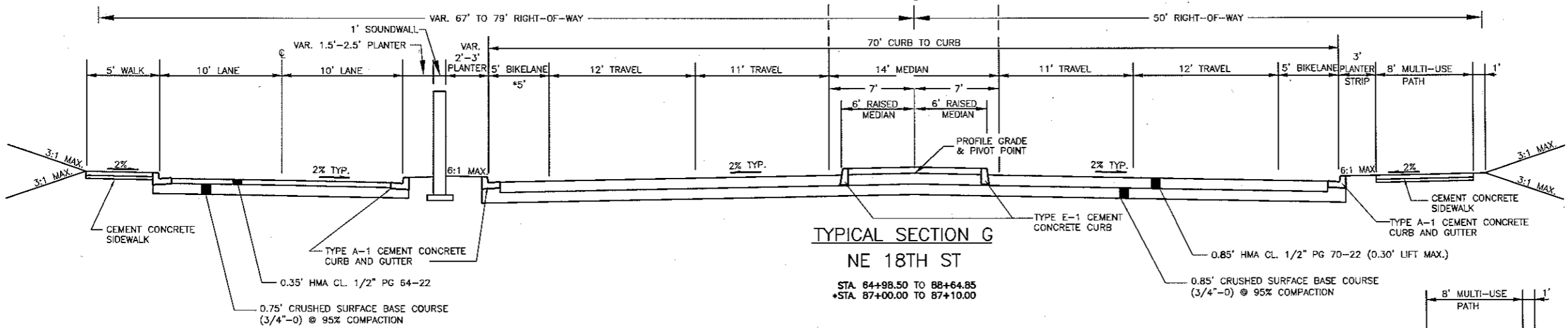
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APPROVED BY:	MHA
REVISIONS:	
NO.	
DATE	
BY	
DESCRIPTION	
SCALE:	HORIZONTAL: VERTICAL:
PROJECT NUMBER:	071609
TASK NUMBER:	G03
SHEET:	OF

NE 18TH STREET IMPROVEMENTS NE FOUR SEASONS LN TO NE 138TH AVE NE 18TH STREET TYPICAL ROADWAY SECTIONS

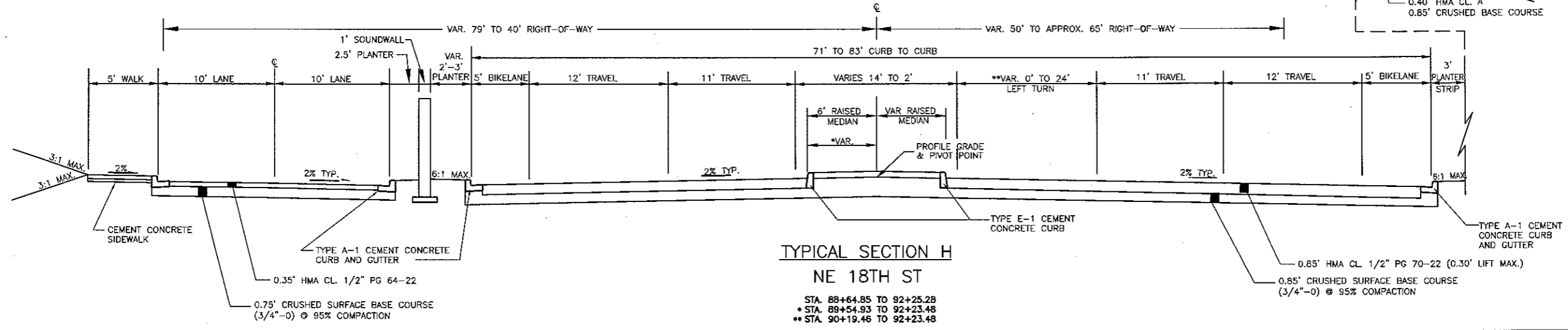
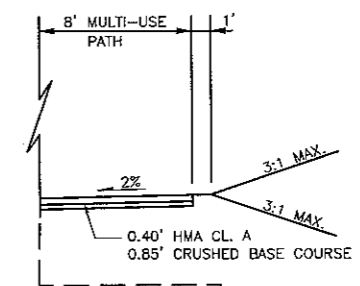
PROJECT NUMBER 071609 TASK NUMBER G03 SHEET OF



STA. 73+35.34 TO 74+45.34 (INTERSECTION 130TH AVE)
STA. 82+40.78 TO 83+50.80 (INTERSECTION VILLAGE GREEN DR)



TYPICAL SECTION G
NE 18TH ST
STA. 64+98.50 TO 68+64.85
*STA. 87+00.00 TO 87+10.00



TYPICAL SECTION H
NE 18TH ST
STA. 88+64.85 TO 92+25.28
*STA. 89+54.93 TO 92+23.48
**STA. 90+19.46 TO 92+23.48



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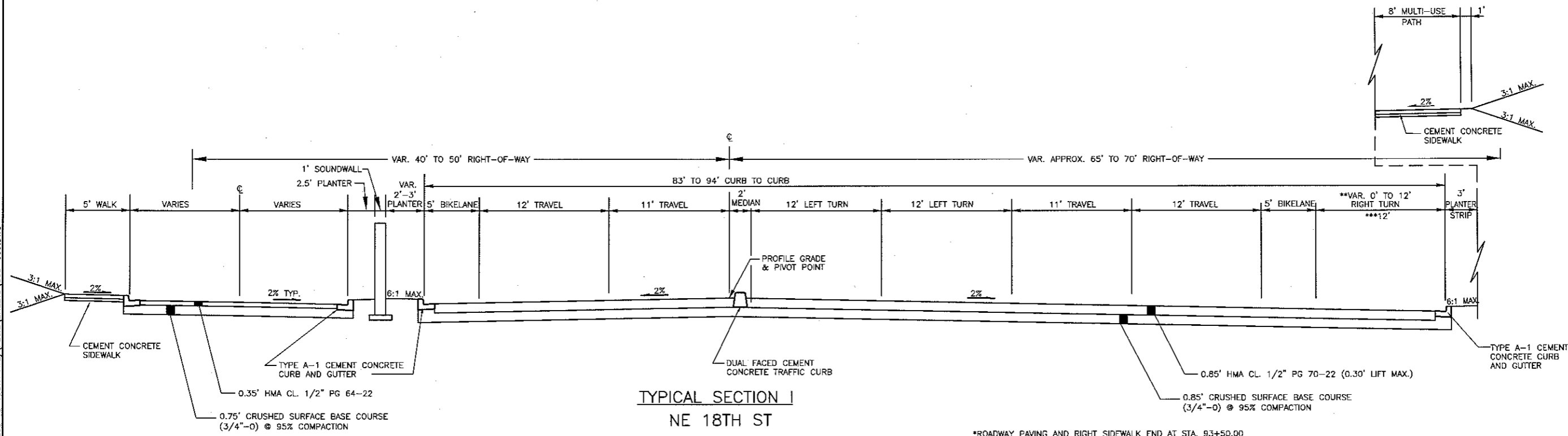
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REVISIONS:	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
TYPICAL ROADWAY SECTIONS

PROJECT NUMBER	071609
TASK NUMBER	06.10.00
SHEET	G06

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TYPICAL SECTION I
NE 18TH ST

* STA. 92+23.48 TO 94+32.41
** STA. 92+25.34 TO 93+14.18
*** STA. 93+14.18 TO 93+50.00

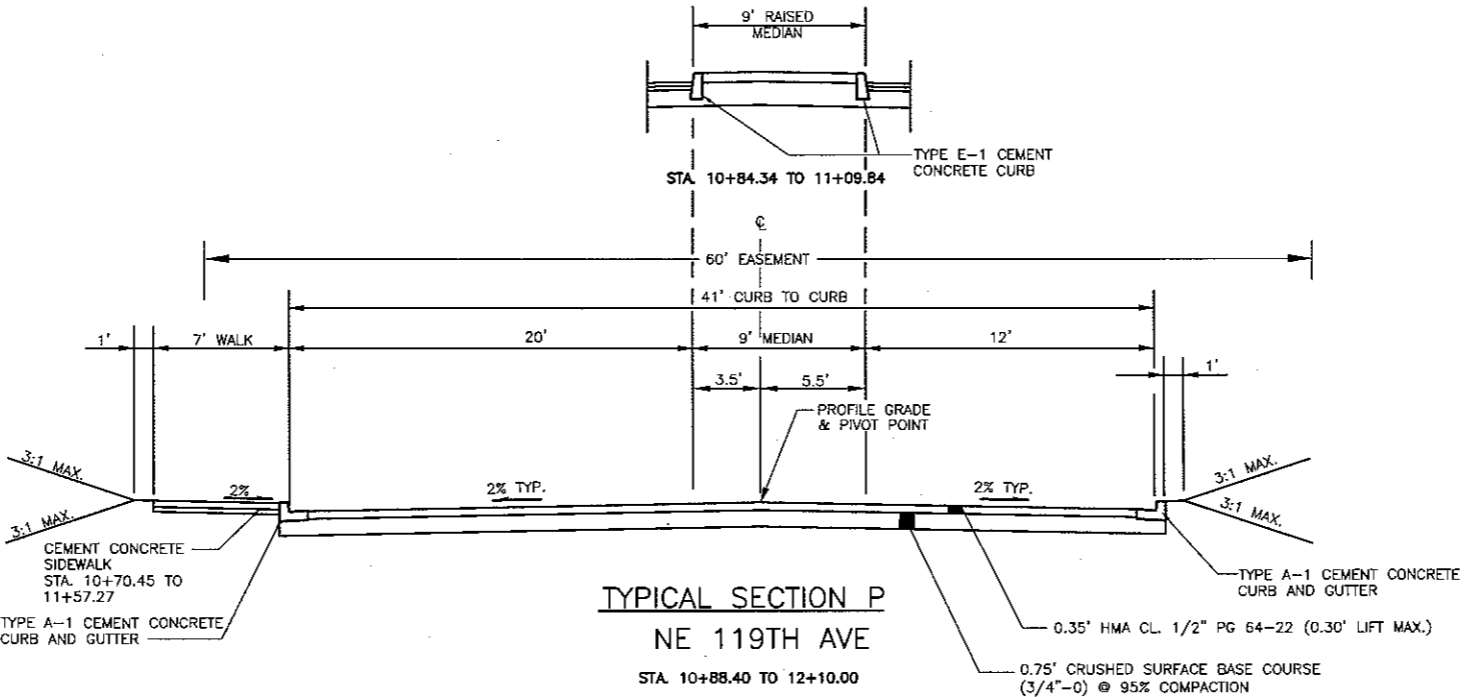
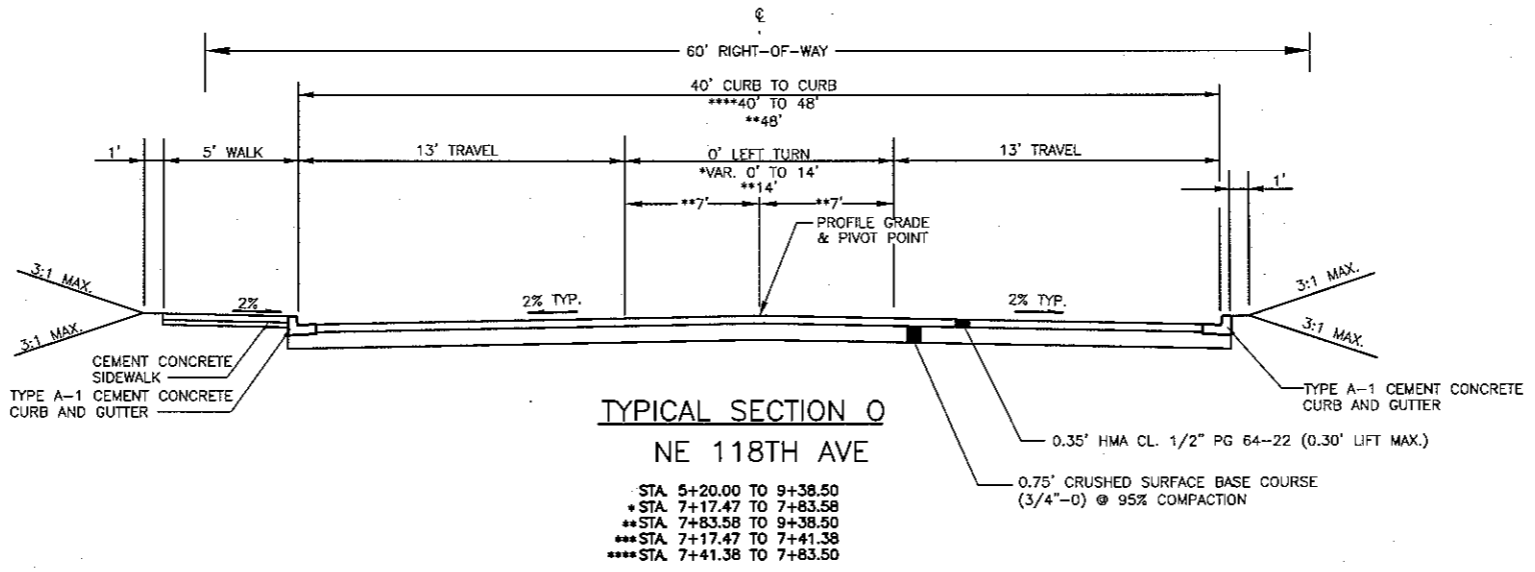
*ROADWAY PAVING AND RIGHT SIDEWALK END AT STA. 93+50.00
FRONTAGE ROAD LEFT ENDS AT STA. 93+56.64
SIDEWALK LEFT ENDS AT STA. 94+02.21
SOUNDWALL LEFT ENDS AT STA. 94+32.41

NOTES:

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WHERE RIGHT-OF-WAY VARIES, SEE RIGHT-OF-WAY PLANS FOR
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EMBANKMENT & SUBGRADE TO BE COMPACTED PER WSDOT
COMPACTION METHOD B.

SEE WALL PLANS FOR WALL DETAILS.



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CALL
 2 BUSINESS DAYS
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 1-800-424-5555
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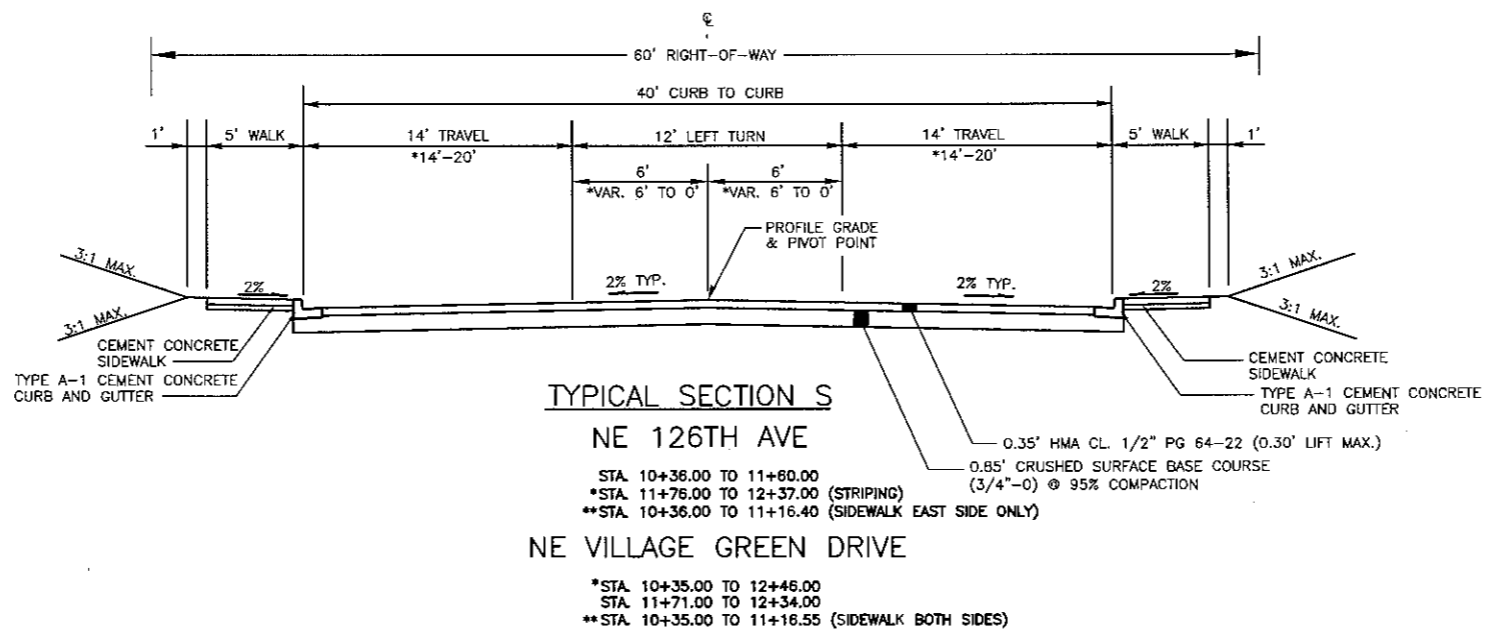
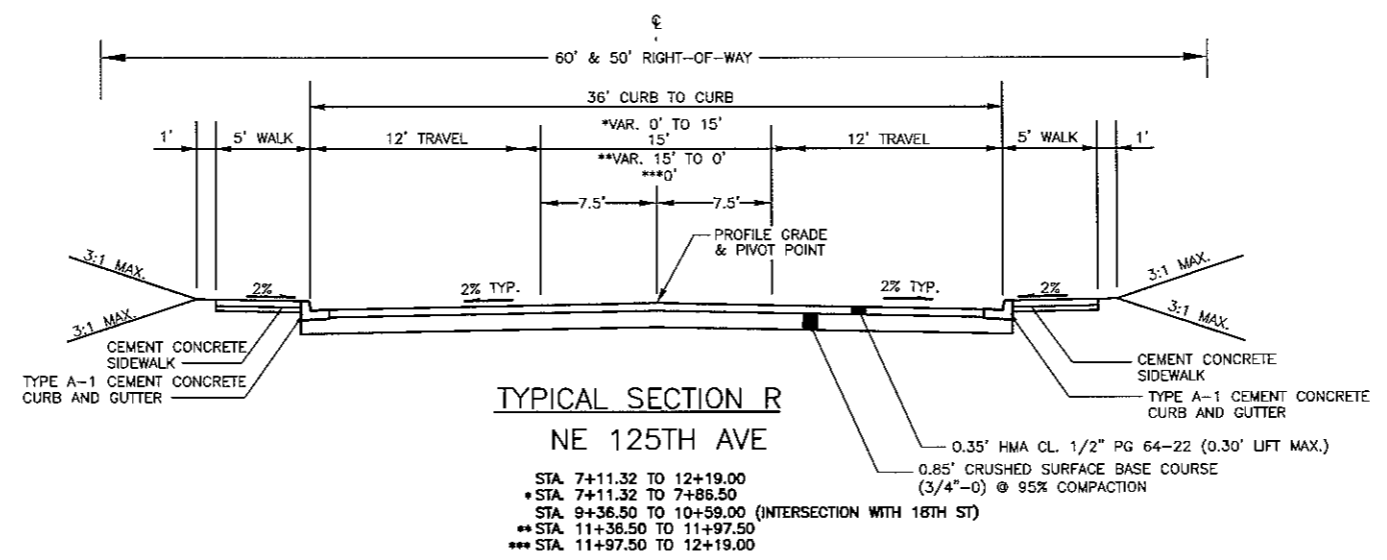
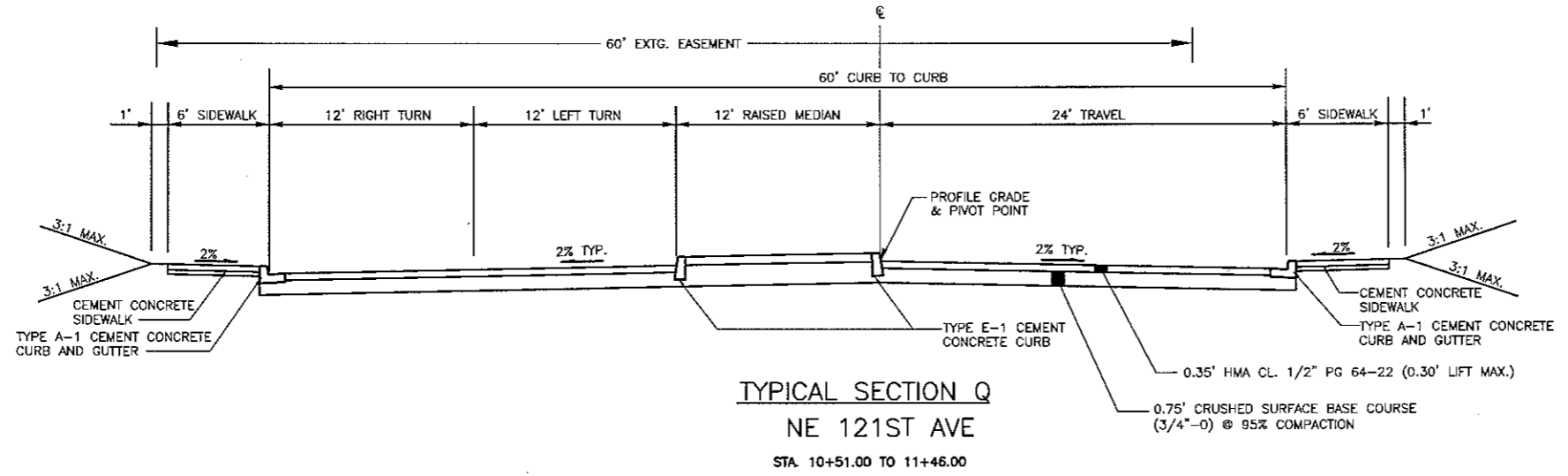
VANCOUVER
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 P.O. BOX 1995
 VANCOUVER, WA
 98668-1995
 360-487-7700
 FAX: 360-487-7689

PRELIMINARY
 90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAJ
APPROVED BY:	MHA
REVISIONS	
NO.	
DATE	

NE 18TH STREET IMPROVEMENTS
 NE FOUR SEASONS LN TO NE 138TH AVE
 CITY STREETS
 TYPICAL ROADWAY SECTIONS

PROJECT NUMBER
071609
 TASK NUMBER
06.10.00
G07
 SHEET OF



NOTES:
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PRELIMINARY
90% PLAN

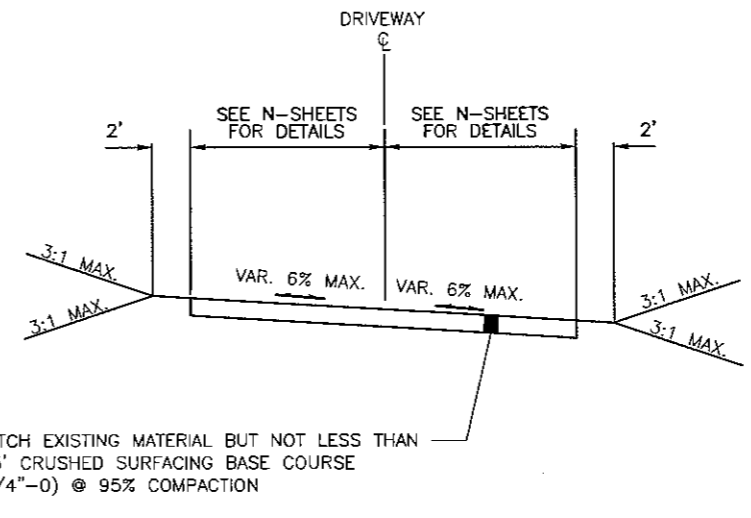
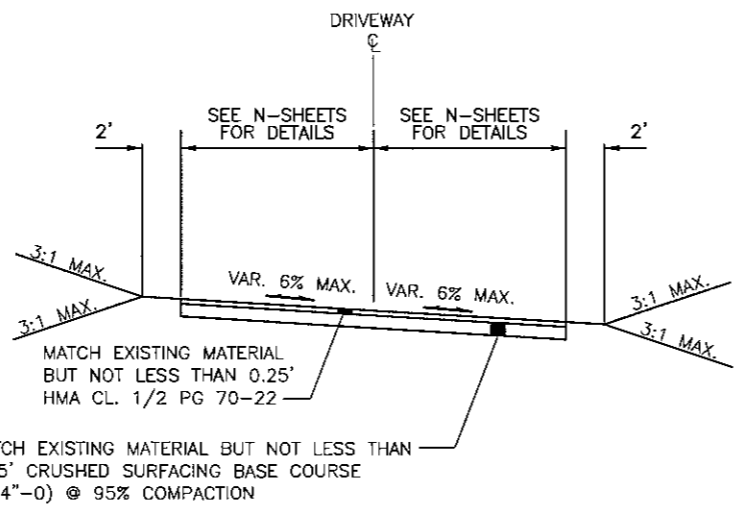
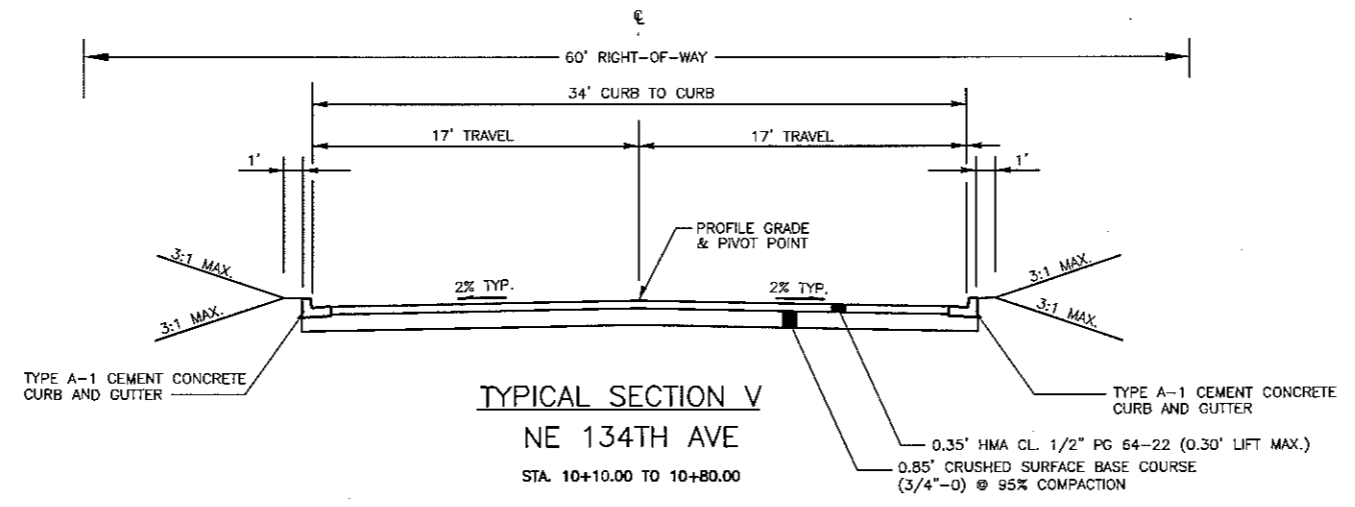
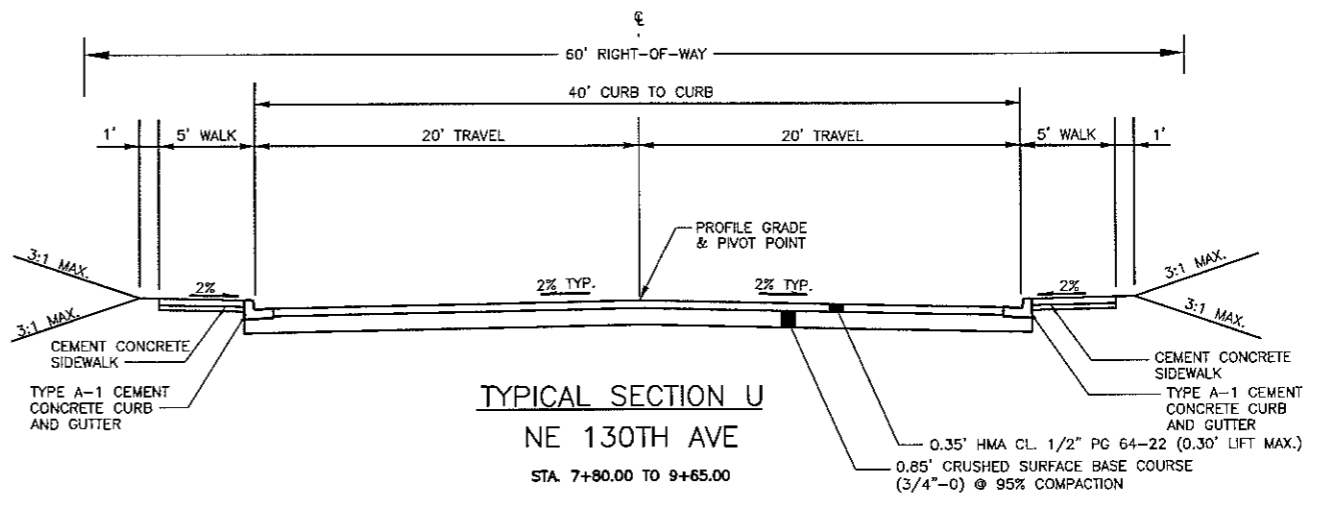
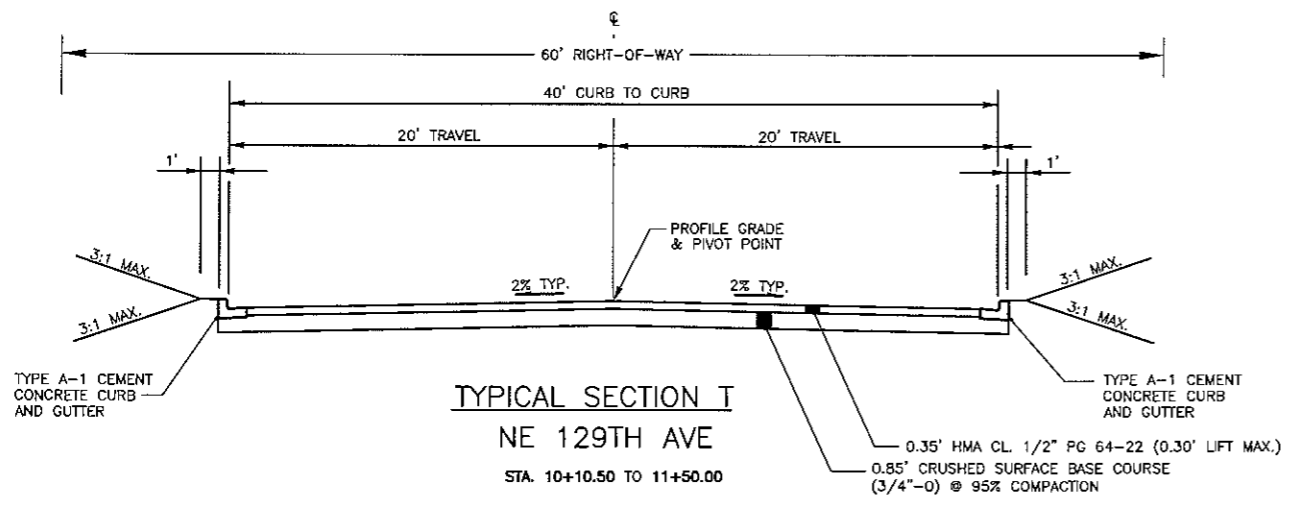
DATE:	JULY 2010
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NO.	
DATE	
SCALE	
HORIZONTAL	
VERTICAL	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
TYPICAL CITY STREETS
TYPICAL ROADWAY SECTIONS

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
G08
SHEET OF

7/8/2010

FEDERAL CONTRACT NUMBER: _____ FEDERAL AID NUMBER: **HPP-4254 (004)**



NOTES:
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COMPACTION METHOD B.

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98668-1995
360-487-7700
FAX: 360-487-7889

**PRELIMINARY
90% PLAN**

DRAWING NUMBER	DATE	DESIGNED BY	DATE
SCALE	DESIGNED BY	DATE	DESIGNED BY
HORIZONTAL	DRAWN BY	DATE	DRAWN BY
VERTICAL	CHECKED BY	DATE	CHECKED BY
DATE	APPROVED BY	DATE	APPROVED BY
NO.	REVISIONS	NO.	REVISIONS

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
TYPICAL CITY STREET ROADWAY SECTIONS**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
G09
SHEET OF

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE 1 (-205 TO 138TH AVE)\PS&E\ SHEETS\G03-G09.DWG

EXISTING STORM DRAIN STRUCTURES

- 200 CB
RIM=274.84
I.E.=272.53 8" RCP (NE)
- 201 CB
RIM=273.49
I.E.=271.79 8" RCP (NE)
- 202 12" CONCRETE CULVERT
I.E.=269.83
- 203 STORM DRYWELL
RIM=272.46
I.E.=262.55 12" ADS (N)
SUMP=257.46
- 204 DITCH INLET
INLET=267.93
I.E.=266.05 8" ADS (S)
- 205 STORM DRYWELL
RIM=270.18
I.E.=264.14 12" ADS (S)
SUMP=255.18
- 206 8" CULVERT DI
IE = 274.52
- 207 STORM MANHOLE
RIM = 297.24
I.E. 10" ADS (N) = 290.31
I.E. 12" ADS (E) = 290.22
SUMP=286.89
- 208 CURB INLET
RIM=296.97
IE 10" ADS (S) = 292.04
- 209 STORM DRYWELL
RIM = 297.36
I.E. 12" ADS (W) = 290.11
SUMP = 289.31
- 210 CURB INLET
RIM=298.52
I.E. 8" ADS (S)=295.32
- 211 WATER QUALITY MANHOLE
RIM=298.73
I.E. 8" (N)=293.33
- 212 STORM DRYWELL
RIM = 299.00
I.E. 12" ADS (W) = 293.17
SUMP = 285.84
- 213 STORM MANHOLE
RIM = 296.24
I.E. 18" CMP (N) = 292.67
I.E. 18" CMP (S) = 292.85

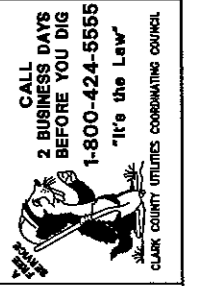
- 214 CB
GRATE = 297.80
I.E. 8" RCP (E) = 295.86
- 215 CB
GRATE = 297.13
I.E. 8" RCP (W) = 295.27
- 216 STORM MANHOLE
RIM = 297.73
I.E. 18" CMP (N) = 289.38
I.E. 8" CMP (E) = 289.62
I.E. 8" CMP (W) = 289.88
- 217 CB
GRATE = 301.23
I.E. 15" RCP (E) = 298.69
I.E. 15" RCP (W) = 298.71
- 218 CB
GRATE = 302.31
I.E. 15" RCP (E) = 299.81
I.E. 15" RCP (W) = 299.76
- 219 STORM MANHOLE
RIM = 303.52
I.E. 12" (E) = 294.60
I.E. 10" (SW) = 294.80
I.E. 12" (W) = 294.99
I.E. 10" (S) = 294.72
- 220 CB
GRATE = 302.67
I.E. 12" ADS (S) = 297.20
- 221 STORM DRYWELL
RIM = 303.47
I.E. 15" (E) = 293.32
SUMP = 289.43
- 222 CB
GRATE = 304.65
I.E. 12" (S) = 299.81
- 223 STORM MANHOLE
RIM = 305.48
I.E. 12" (E) = 293.77
I.E. 12" (N) = 293.73
I.E. 12" (W) = 293.86
I.E. 15" (SW) = 293.63
- 224 WATER QUALITY MANHOLE
N RIM=305.33
S RIM=305.37
I.E. 15" (NE)=293.34
- 225 STORM DRYWELL
RIM = 304.44
I.E. 15" (W) = 293.22
I.E. 15" (NE) = 293.68
SUMP = 289.39

- 226 STORM MANHOLE
RIM = 306.45
I.E. 12" (E) = 299.13
I.E. 12" (N) = 299.06
I.E. 12" (S) = 299.16
I.E. 12" (W) = 298.58
- 227 CB
GRATE = 305.67
I.E. 12" (S) = 300.04
- 228 DITCH INLET
INLET = 303.47
I.E. 10" (N) = 300.04
- 229 STORM MANHOLE
RIM = 308.25
I.E. 12" (E) = 300.98
I.E. 12" (NW) = 300.95
I.E. 12" (SE) = 300.88
I.E. 12" (W) = 300.74
- 230 CURB INLET
RIM = 307.92
I.E. 10" ADS (S) = 303.34
- 231 DITCH INLET
INLET = 305.81
I.E. 10" (N) = 301.98
- 232 STORM MANHOLE
RIM = 310.22
I.E. 12" (N&S) = 303.27
I.E. 12" (W) = 302.94
- 233 CB
GRATE = 307.80
I.E. 10" (N) = 305.08
I.E. 10" (S) = 306.86
- 234 CB
GRATE = 307.80
I.E. 10" (N) = 305.08
- 235 CURB INLET
RIM = 310.73
I.E. 12" ADS (S) = 305.47
I.E. 10" ADS (N) = 305.60
- 236 CB
GRATE = 306.88
I.E. 8" (S) = 305.93

EXISTING SANITARY SEWER STRUCTURES

- 100 SANITARY MANHOLE
RIM = 255.44
F.L. 12" = 243.66
IN (N) OUT (W)
- 101 SANITARY MANHOLE
RIM = 278.00
I.E. 12" (N) = 266.61
I.E. 12" (E) = 266.75
- 102 SAN MANHOLE
RIM = 283.70
I.E. 12" (W) = 267.67
I.E. 12" (S) = 267.90
- 103 SAN MANHOLE
RIM = 292.01
I.E. 8" (N) = ?
I.E. (E) = ?
- 104 SAN MANHOLE
RIM = 298.69
I.E. 8" (N) = 290.50
I.E. 8" (W) = 290.48
- 105 SAN CLEANOUT
RIM = 301.21
I.E. = ?
- 106 SAN MANHOLE
RIM = 299.69
I.E. 8" (E) = 292.57
I.E. 8" (W) = 292.39
- 107 SAN CLEANOUT
RIM = 302.38
I.E. = ?
- 108 SAN MANHOLE
RIM = ?
I.E. = ?

- 109 SAN CLEANOUT
RIM = 297.87
I.E. 10" PVC (N)=285.95
- 110 SAN MANHOLE
RIM = 292.64
I.E. 10" PVC (N)=282.07
I.E. 10" PVC (S)=282.20
- 111 SAN CLEANOUT
RIM = 304.46
I.E. 8" PVC (N)=296.92
- 112 SAN MANHOLE
RIM = 302.72
I.E. (E-N) FL=294.85
- 113 SAN MANHOLE
RIM = 302.13
I.E. 8" (S-N) FL=294.03
- 114 SAN CLEANOUT
RIM = 304.66
I.E. = ?
- 115 SAN MANHOLE
RIM = 310.53
I.E. (E-N) =?



VANCOUVER DEPARTMENT OF TRANSPORTATION P.O. BOX 1995 VANCOUVER, WA 98668-1995 360-487-7700 FAX: 360-487-7699

PRELIMINARY 90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAH
APPROVED BY:	MHA
REVISIONS:	

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
EXISTING STRUCTURES TABLE**

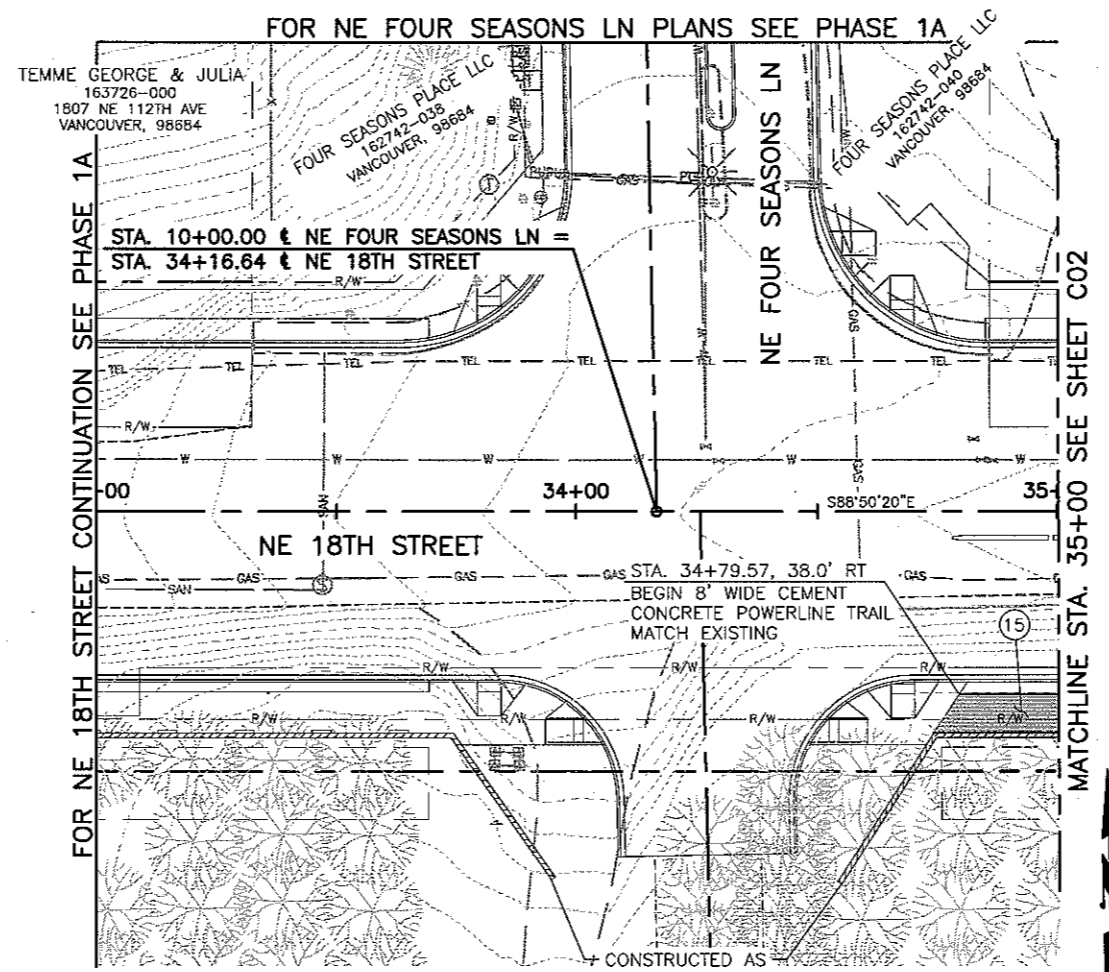
PROJECT NUMBER **071609**
TASK NUMBER **06.10.00**
G10
SHEET OF

7/8/2010

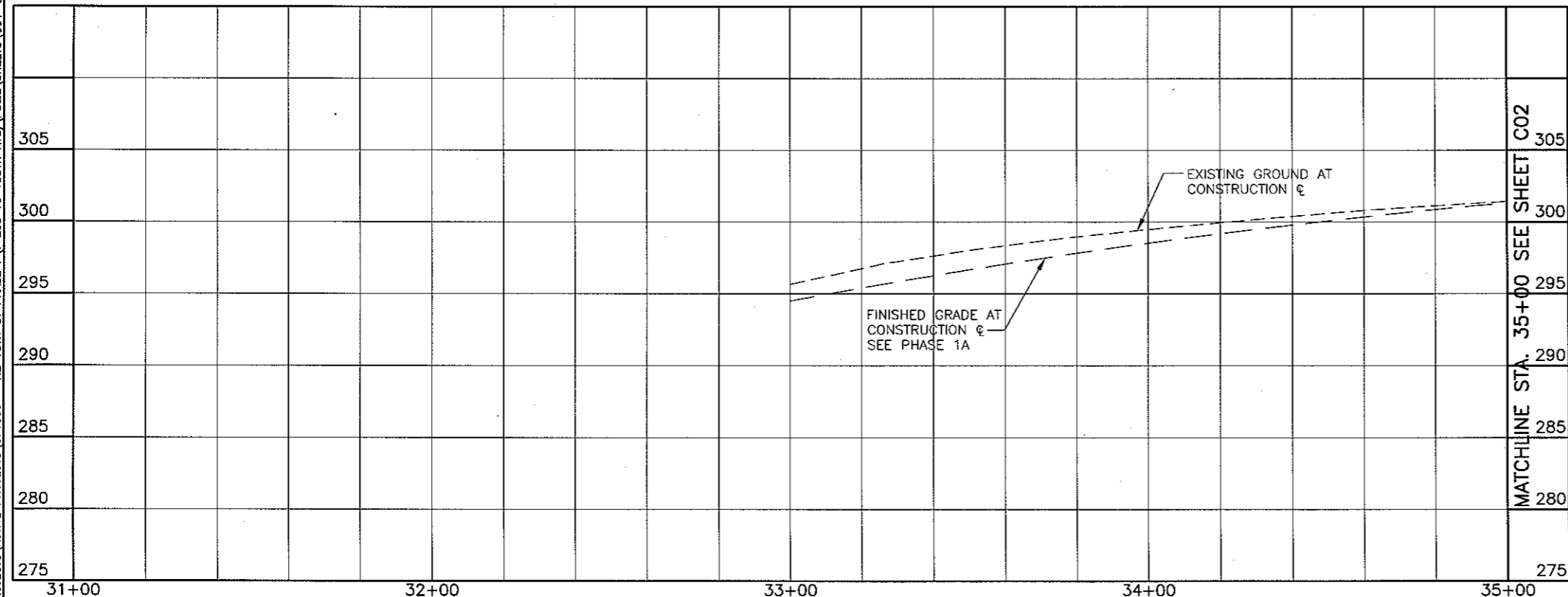
SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: **HPP-4254 (004)**



PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - 14 MATCH EXISTING DRIVEWAY.
 - 15 CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - 16 CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - 20 LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- 80 PROTECT EXISTING MONUMENT.
 - 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - 89 PROTECT EXISTING MONUMENT.
 - 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - 92 PROTECT EXISTING RIPRAP.
 - 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - 94 REMOVE EXISTING CONCRETE BARRIER.
 - 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - 96 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST. PHASE I (-205 TO 138TH AVE)\PS&E SHEETS\C01-C16.DWG

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TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7698

**PRELIMINARY
90% PLAN**

DATE: JULY 2010	DESIGNED BY: DJM
DRAWN BY: DJM	CHECKED BY: CAM
APPROVED BY: MHA	REVISIONS
SCALE	HORIZONTAL: AS SHOWN
	VERTICAL:
DATE	NO.

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE**

**NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 31+00 TO STA. 35+00**

PROJECT NUMBER
071609

TASK NUMBER
06.10.00

C01

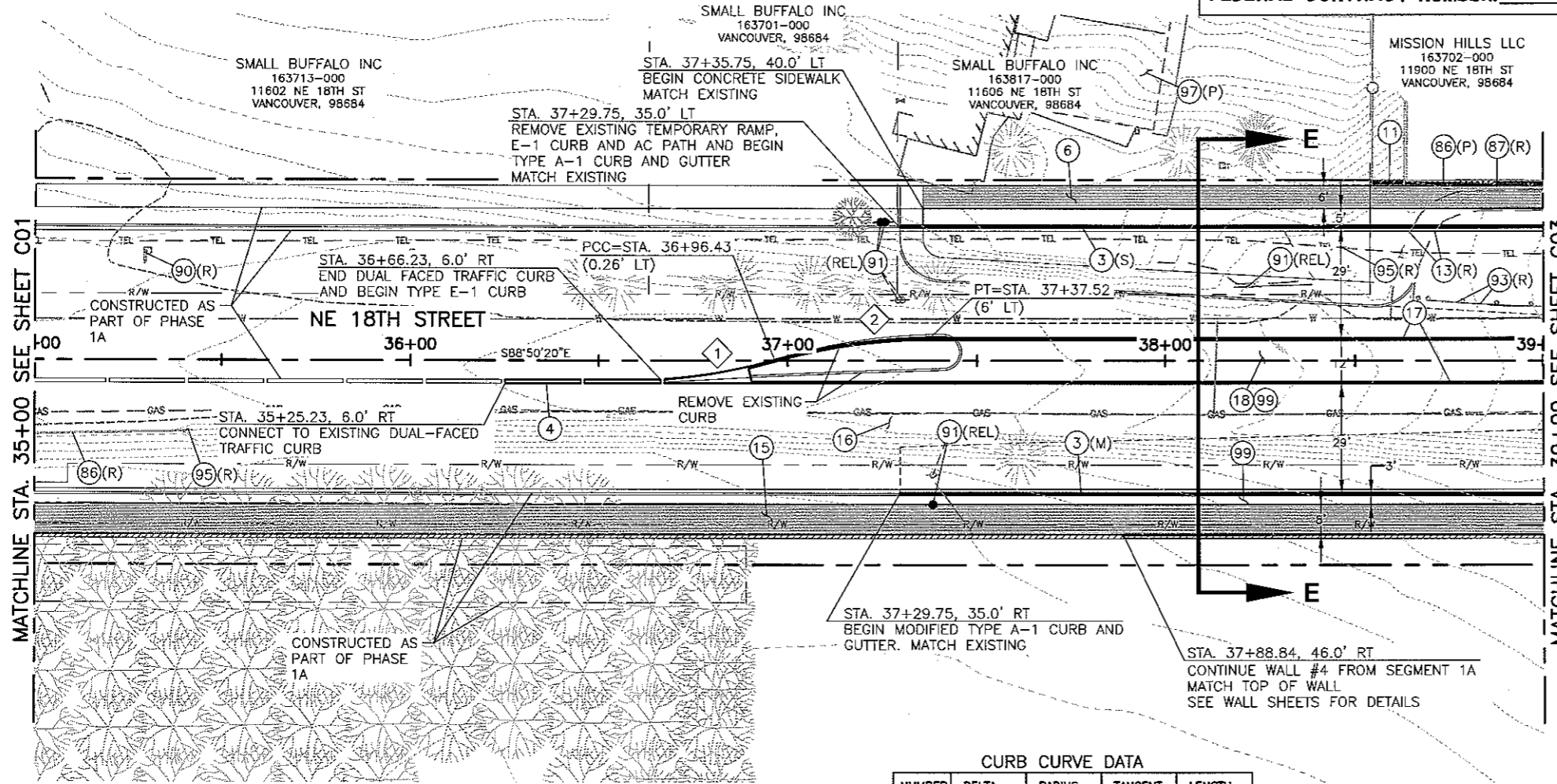
SHEET OF

7/18/2010

SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)

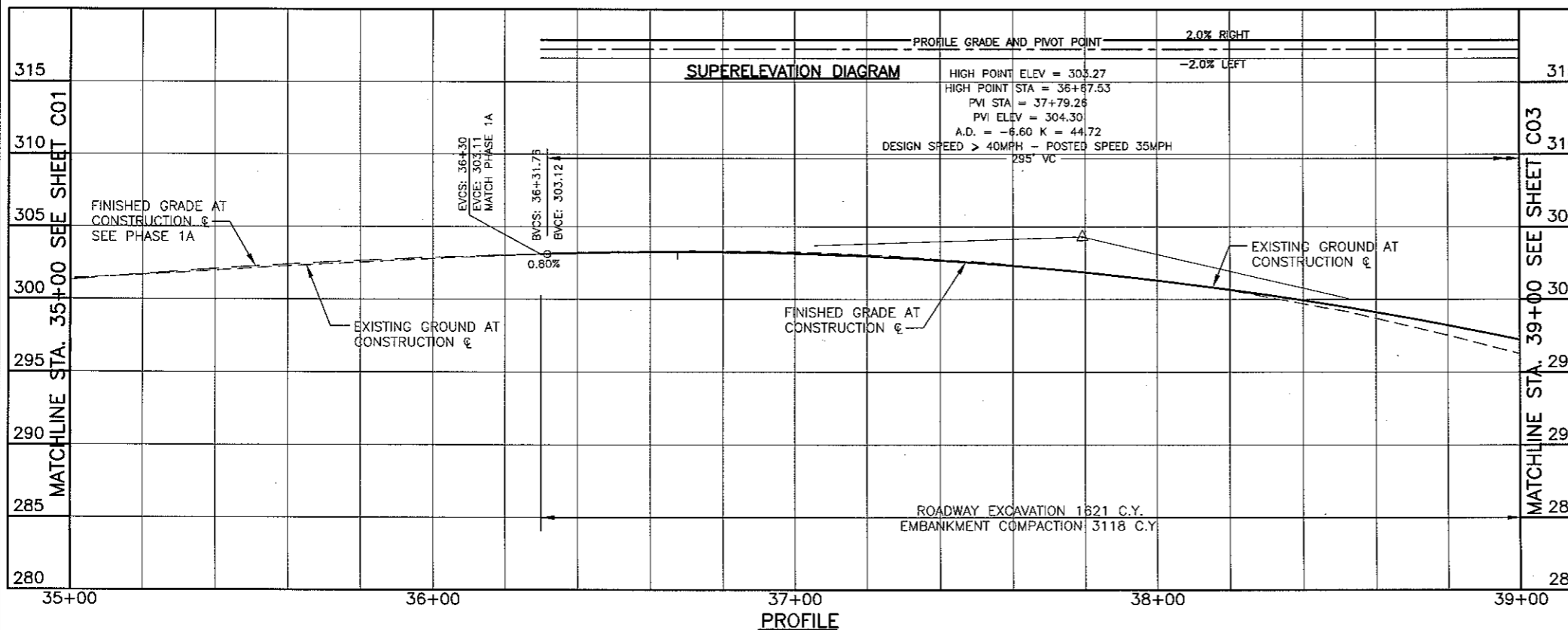


CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	11°21'16"	150.00'	14.91'	29.73'
2	15°53'44"	150.00'	20.94'	41.61'



PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7688

**PRELIMINARY
90% PLAN**

DATE: JULY 2010	DESIGNED BY: DJM
DRAWN BY: DJM	CHECKED BY: CAM
APPROVED BY: MHA	REVISIONS
SCALE	HORIZONTAL: AS SHOWN
VERTICAL:	

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 35+00 TO STA. 39+00**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C02
SHEET OF

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (-205 TO 138TH AVE)\PS&E\SHEETS\C01-C16.DWG

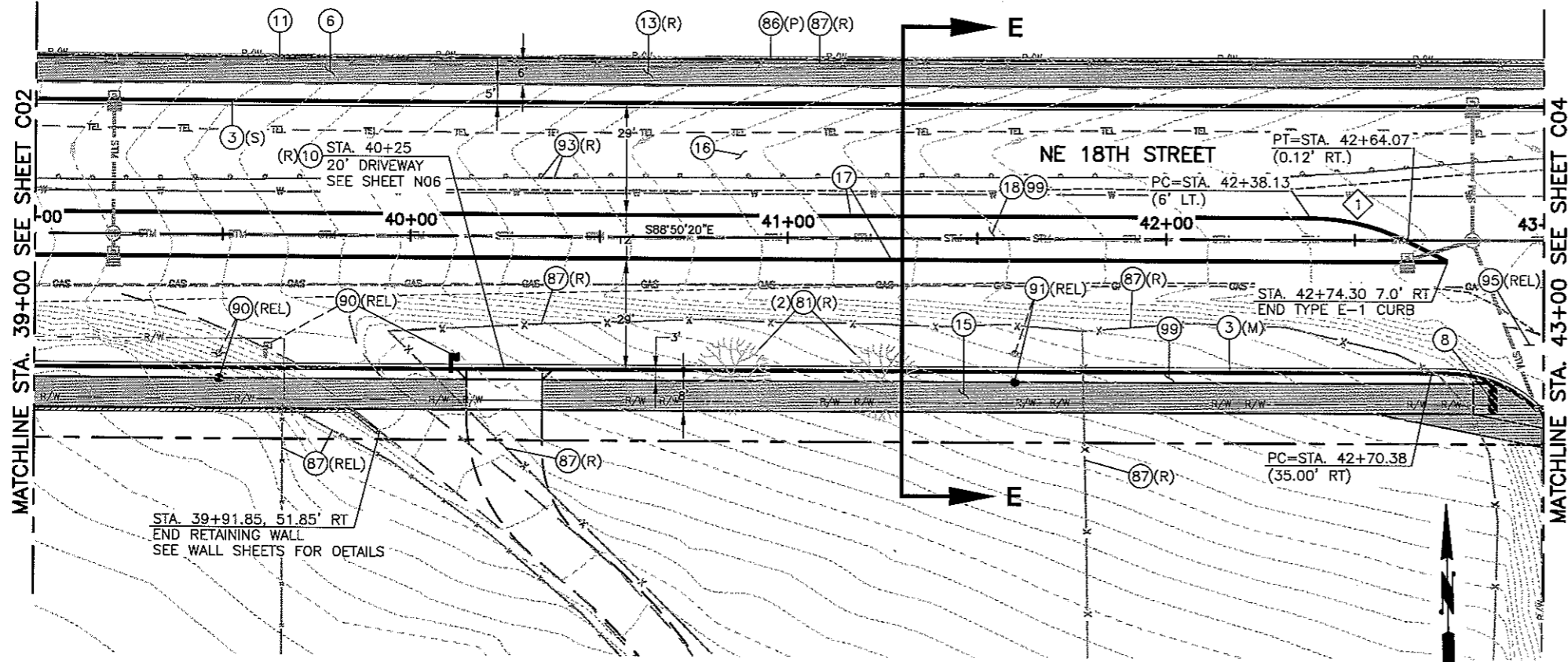
7/15/2010

SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: HPP-4254 (004)

MISSION HILLS LLC
163702-000
11900 NE 18TH ST
VANCOUVER, 98684

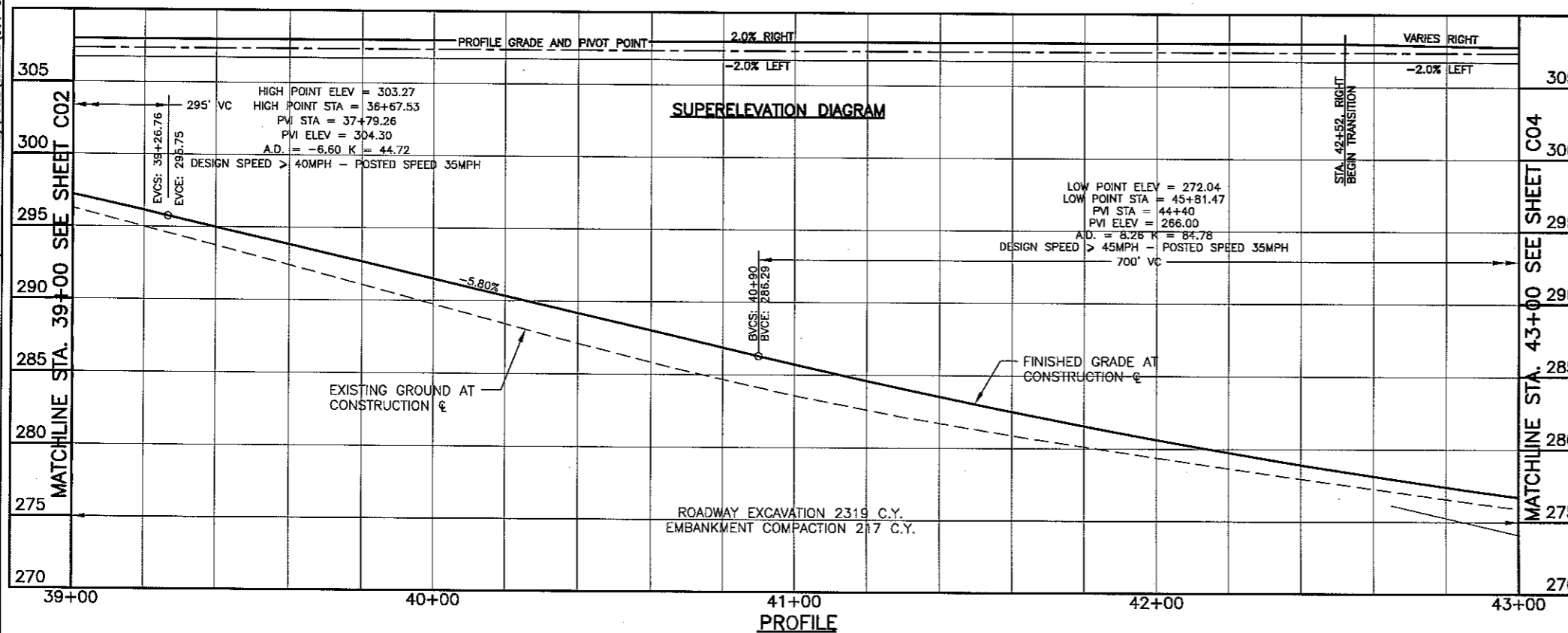


CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	26°33'54"	58.00'	13.69'	26.89'



PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET DD3.
- SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
- CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
- CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
- CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
- CONSTRUCT STANDARD SIDEWALK. SEE DETAIL TD2-01A ON SHEET D01.
- CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
- CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
- MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
- CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
- CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
- CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
- REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
- MATCH EXISTING DRIVEWAY.
- CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
- CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
- CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
- CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
- PARALLEL RAMP. SEE DETAIL TD2-07B ON SHEET D02.
- LIMITED ROW CURB RAMP. SEE DETAIL TD2-09 ON SHEET D02.
- CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
- CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
- CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
- CONSTRUCT 12' WIDE HMA (0.35 HMA, D.85 CSBC) PAD.

MISCELLANEOUS

- PROTECT EXISTING MONUMENT.
- REMOVE (R) OR PROTECT (P) EXISTING TREE.
- REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
- REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
- REMOVE (R) OR PROTECT (P) EXISTING WALL.
- REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
- REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
- PROTECT EXISTING MONUMENT.
- REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
- REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
- PROTECT EXISTING RIPRAP.
- REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
- REMOVE EXISTING CONCRETE BARRIER.
- REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
- EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
- PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
- PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
- INSTALL HAROSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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VANCOUVER DEPARTMENT OF TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
980-487-2700
980-487-7800

PRELIMINARY
90% PLAN

DATE	JULY 2010
DESIGNED BY: DJM	
DRAWN BY: DJM	
CHECKED BY: CAM	
APPROVED BY: MHA	
REVISIONS	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 39+00 TO STA. 43+00

PROJECT NUMBER
071609
TASK NUMBER
88.10.00
C03

SHEET OF

7/8/2010

SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

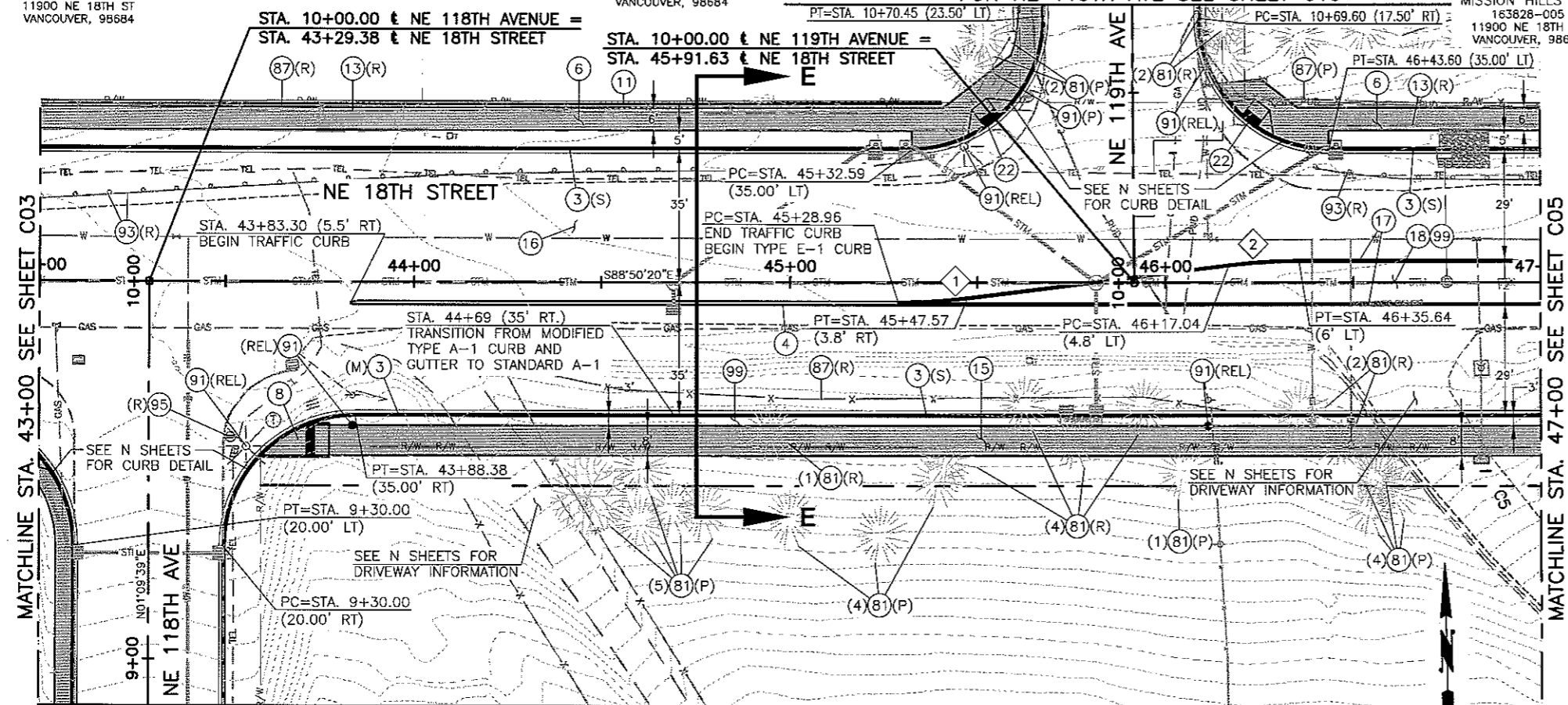
FEDERAL AID NUMBER: **HPP-4254 (004)**

MISSION HILLS LLC
163828-000
11900 NE 18TH ST
VANCOUVER, 98684

MISSION HILLS LLC
163828-005
11900 NE 18TH ST
VANCOUVER, 98684

MISSION HILLS LLC
163828-005
11900 NE 18TH ST
VANCOUVER, 98684

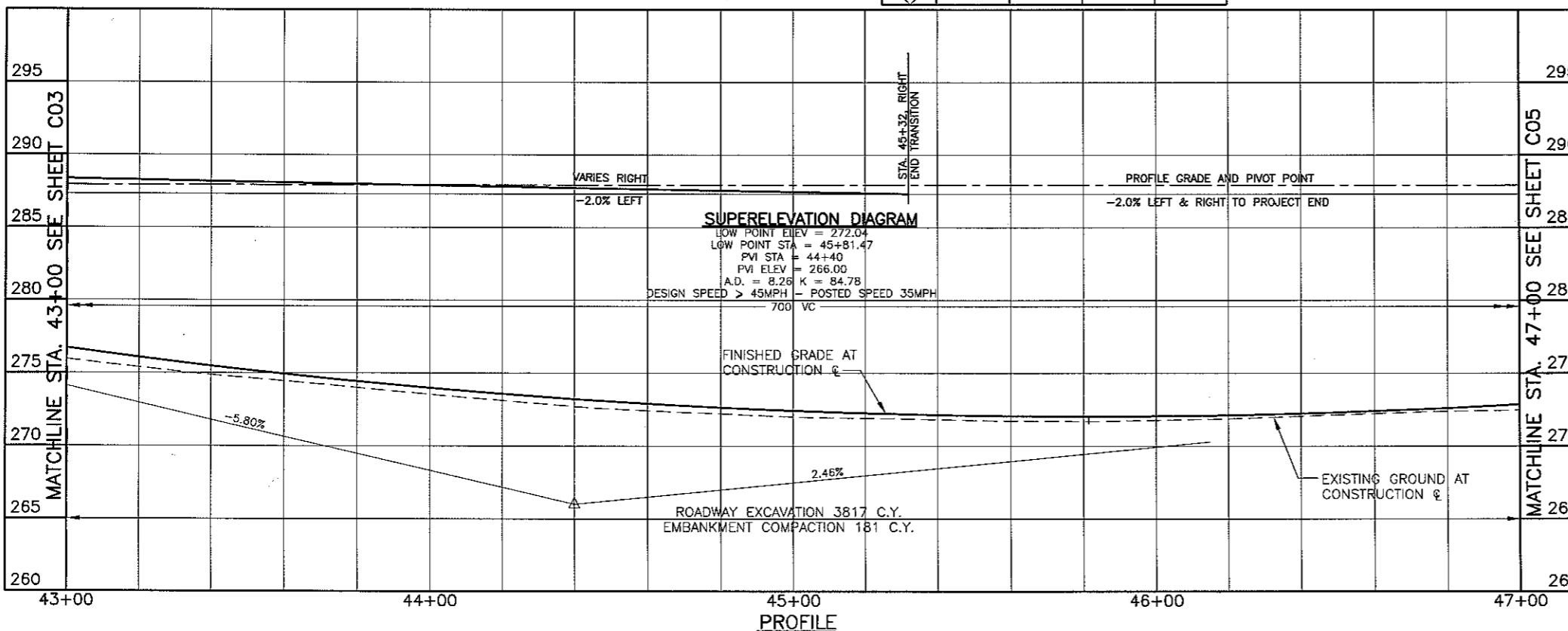
FOR NE 119TH AVE SEE SHEET C19



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	07°07'30"	150.00'	9.34'	18.65'
2	07°07'30"	150.00'	9.34'	18.65'

PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
- 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
- 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
- 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
- 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
- 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
- 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
- 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
- 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
- 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
- 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
- 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
- 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
- 14 MATCH EXISTING DRIVEWAY.
- 15 CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
- 16 CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
- 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
- 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
- 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
- 20 LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
- 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
- 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
- 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
- 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.

MISCELLANEOUS

- 80 PROTECT EXISTING MONUMENT.
- 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
- 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
- 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
- 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
- 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
- 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
- 89 PROTECT EXISTING MONUMENT.
- 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
- 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
- 92 PROTECT EXISTING RIPRAP.
- 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
- 94 REMOVE EXISTING CONCRETE BARRIER.
- 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
- 96 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
- 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
- 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
- 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

CALL 2 BUSINESS DAYS BEFORE YOU DIG 1-800-424-5555 'It's the Law'



VANCOUVER DEPARTMENT OF TRANSPORTATION P.O. BOX 1995 VANCOUVER, WA 98668-1995

PRELIMINARY 90% PLAN

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
JULY 2010	B.F. DJM	DJM	CAM	MHA

NE 18TH STREET IMPROVEMENTS NE FOUR SEASONS LN TO NE 138TH AVE NE 18TH STREET ROAD PLAN AND PROFILE STA. 43+00 TO STA. 47+00

PROJECT NUMBER 071609 TASK NUMBER 06.10.00 SHEET C04 OF

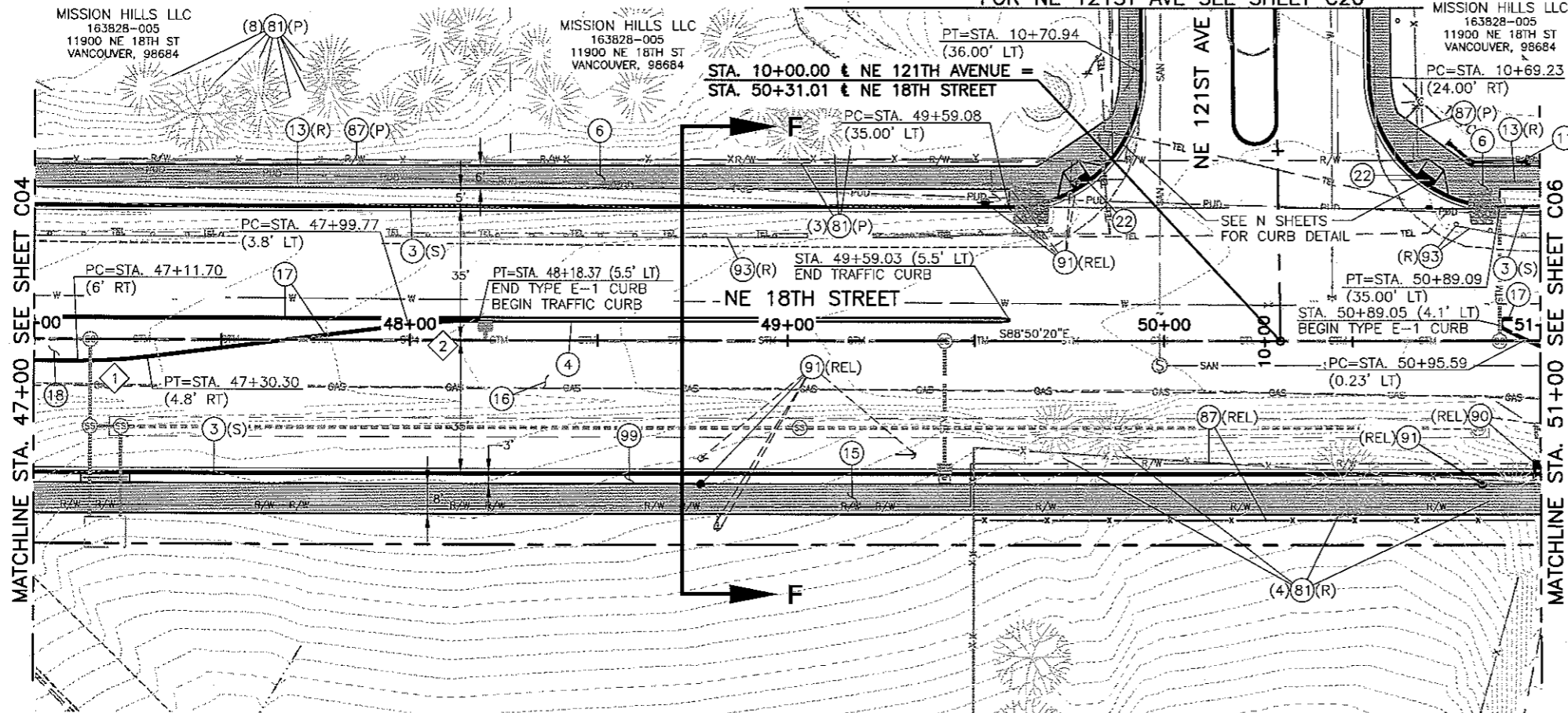
7/8/2010

SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)

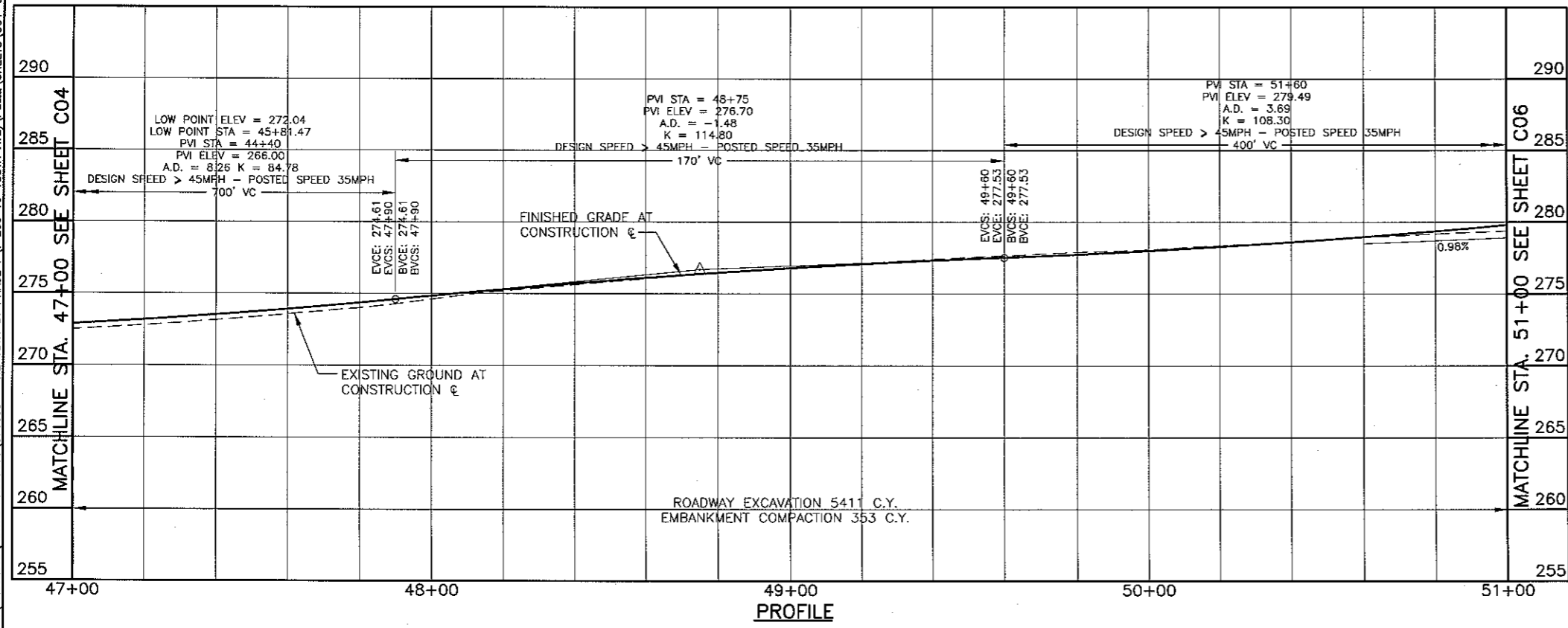
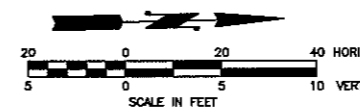
FOR NE 121ST AVE SEE SHEET C20



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	07°07'30"	150.00'	9.34'	18.65'
2	07°07'30"	150.00'	9.34'	18.65'

PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
- SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
- CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
- CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
- CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
- CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
- CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
- CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
- MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
- CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
- CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
- CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
- REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
- MATCH EXISTING DRIVEWAY.
- CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
- CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
- CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
- CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
- PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
- LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
- CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
- CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
- CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
- CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.

MISCELLANEOUS

- PROTECT EXISTING MONUMENT.
- REMOVE (R) OR PROTECT (P) EXISTING TREE.
- REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
- REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
- REMOVE (R) OR PROTECT (P) EXISTING WALL.
- REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
- REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
- PROTECT EXISTING MONUMENT.
- REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
- REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
- PROTECT EXISTING RIPRAP.
- REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
- REMOVE EXISTING CONCRETE BARRIER.
- REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
- EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
- PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
- PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
- INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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VANCOUVER
DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
360-487-7698

PRELIMINARY
90% PLAN

DATE:	JULY 2010	
DESIGNED BY:	DJM	
DRAWN BY:	DJM	
CHECKED BY:	CAM	
APPROVED BY:	MHA	
REVISIONS:		
DATE	NO.	DESCRIPTION

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 47+00 TO STA. 51+00

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C05
SHEET OF

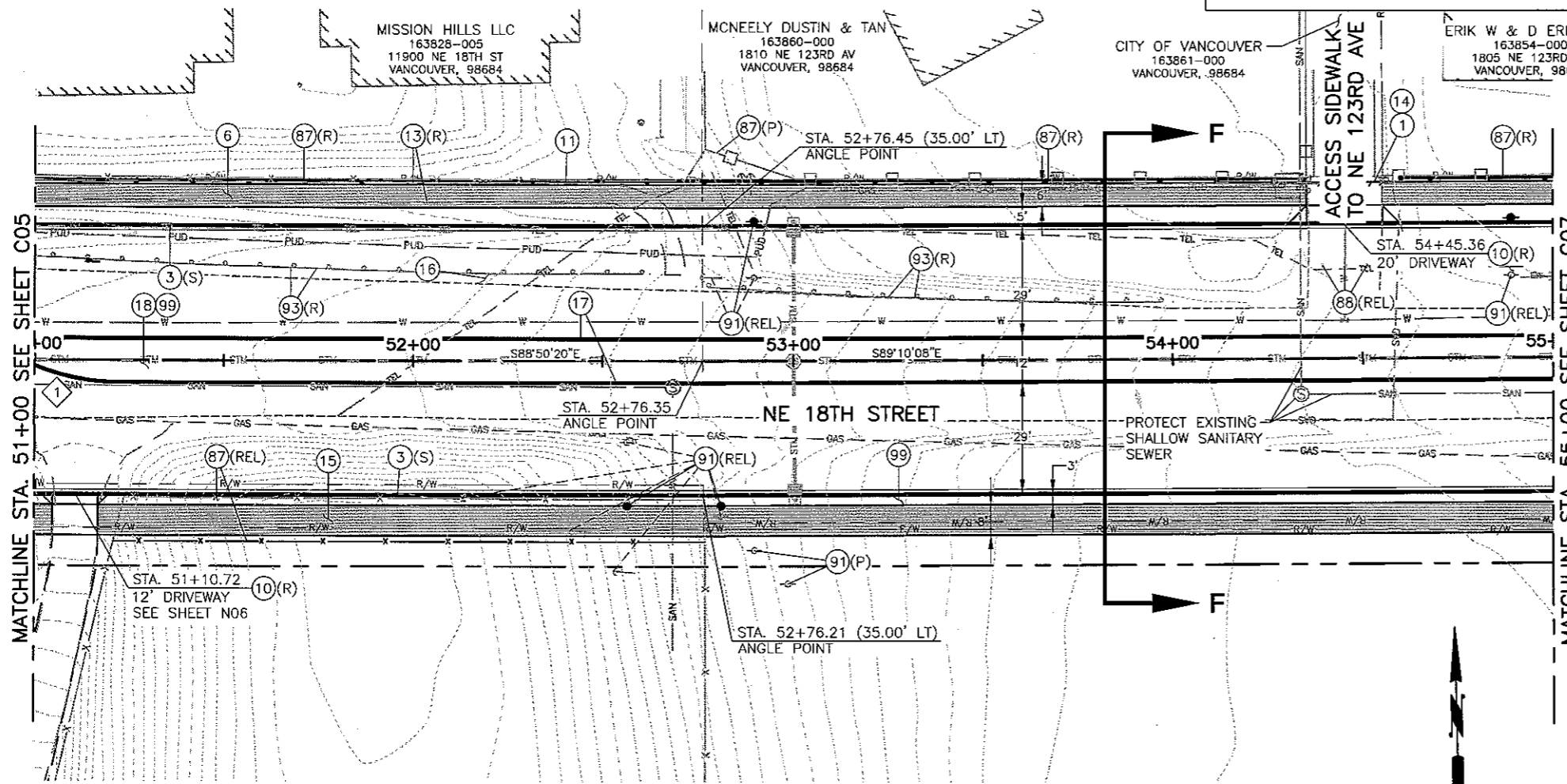
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7/8/2010

SW & SE 1/4 SEC. 22 & NW & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

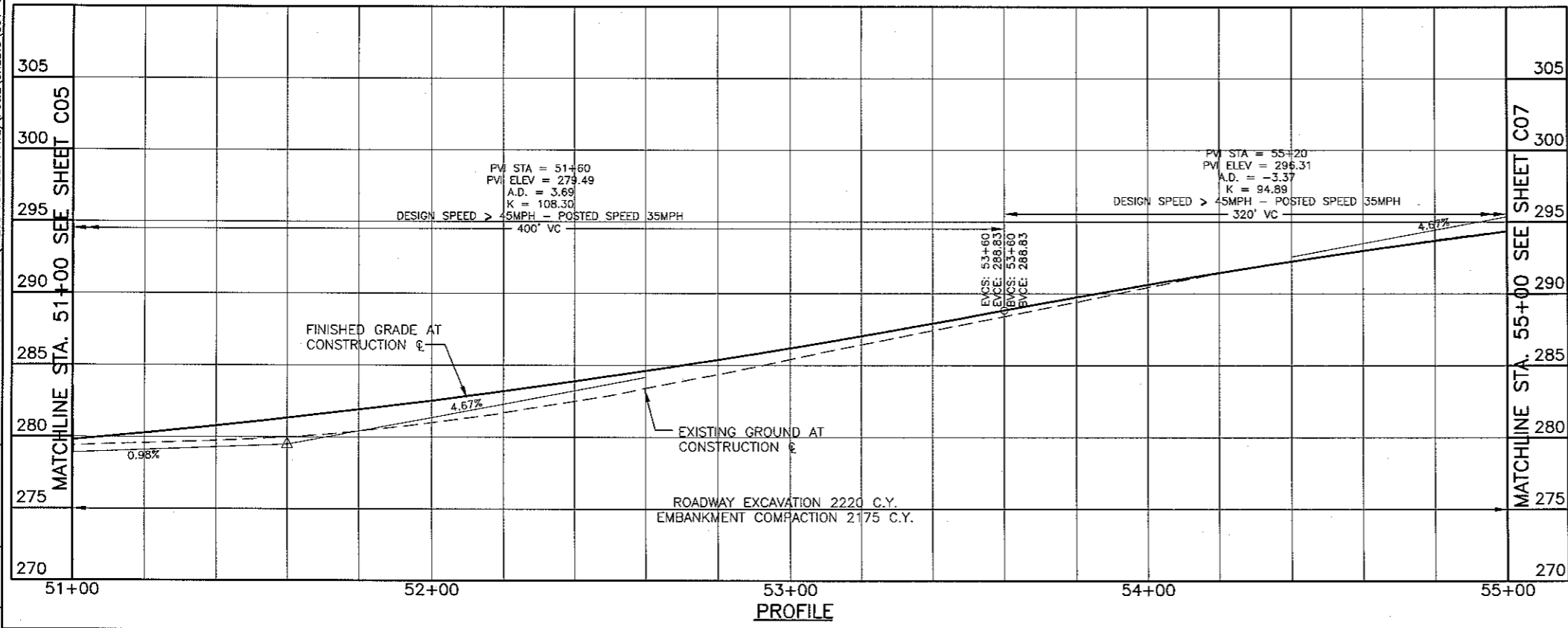
FEDERAL AID NUMBER: HPP-4254 (004)



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	26°33'54"	59.00'	13.93'	27.36'

PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

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 - 45 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
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CLARK COUNTY UTILITIES COORDINATING COUNCIL



VANCOUVER
DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7888

**PRELIMINARY
90% PLAN**

DATE	JULY 2010
DESIGNED BY	DJM
DRAWN BY	DJM
CHECKED BY	CAM
APPROVED BY	MHA
REVISIONS	
DATE	
NO.	
BY	

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 51+00 TO STA. 55+00**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C06
SHEET OF

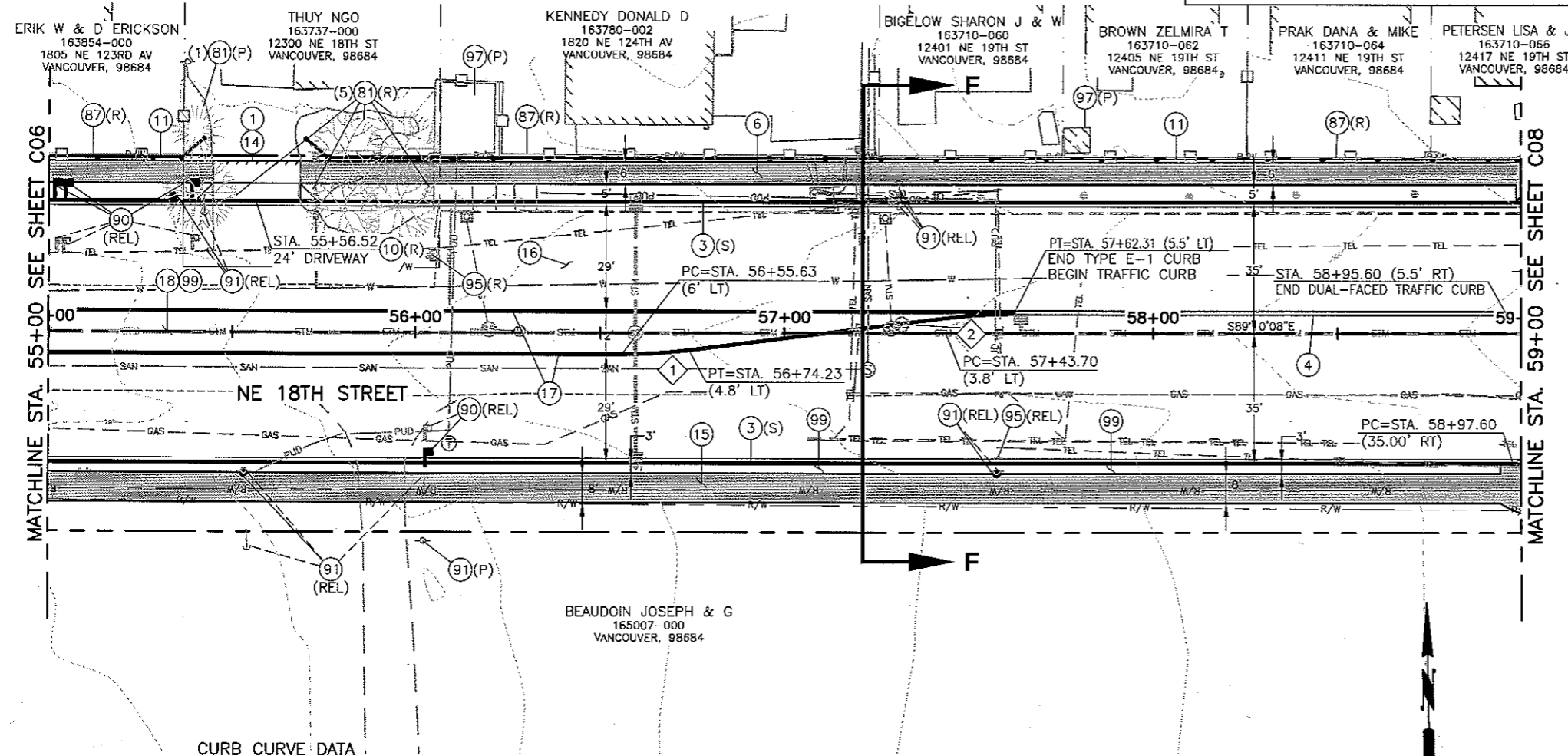
I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (-205 TO 138TH AVE)\PS&E\SHEETS\C01-C16.DWG

7/8/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

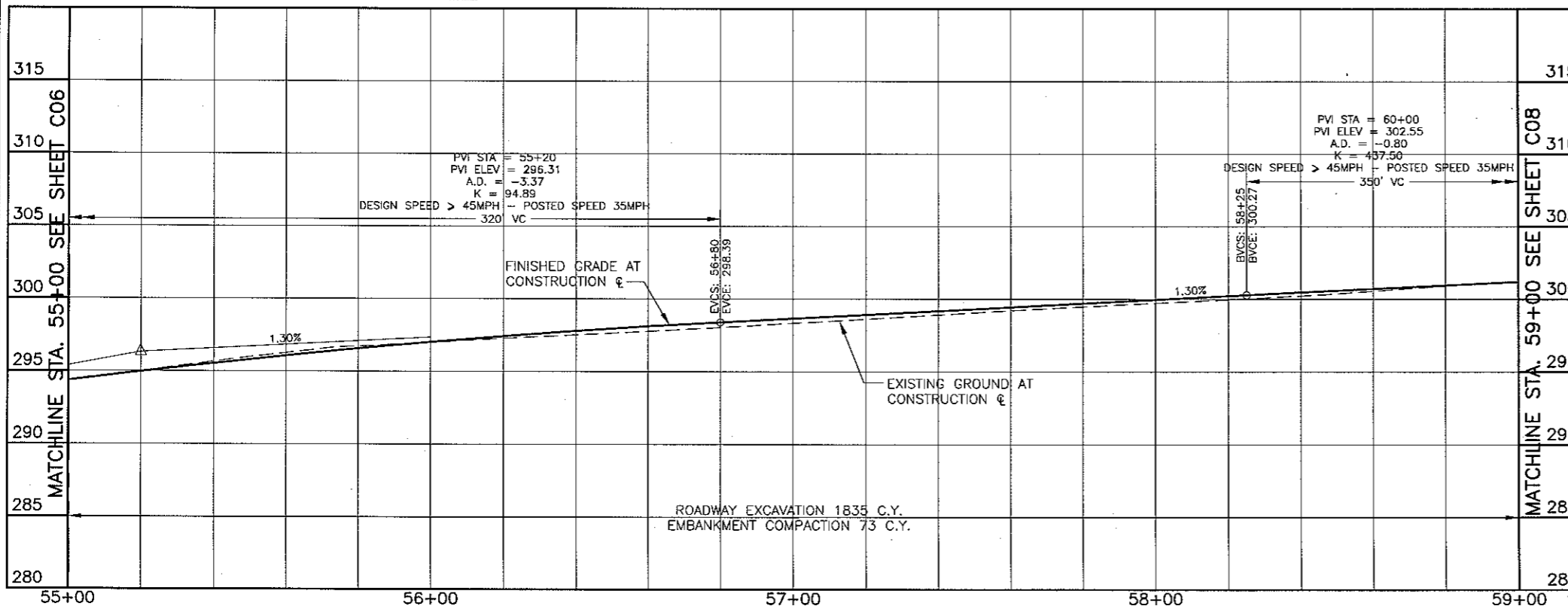
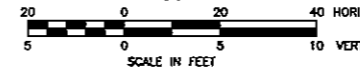
FEDERAL AID NUMBER: HPP-4254 (004)



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NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	07°07'30"	150.00'	9.34'	18.65'
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PLAN



PROFILE

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GENERAL NOTES

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TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
360-487-7899

PRELIMINARY
90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAH
APPROVED BY:	MHA
REVISIONS:	
DATE:	
NO.	
BY:	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 55+00 TO STA. 59+00

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C07
SHEET OF

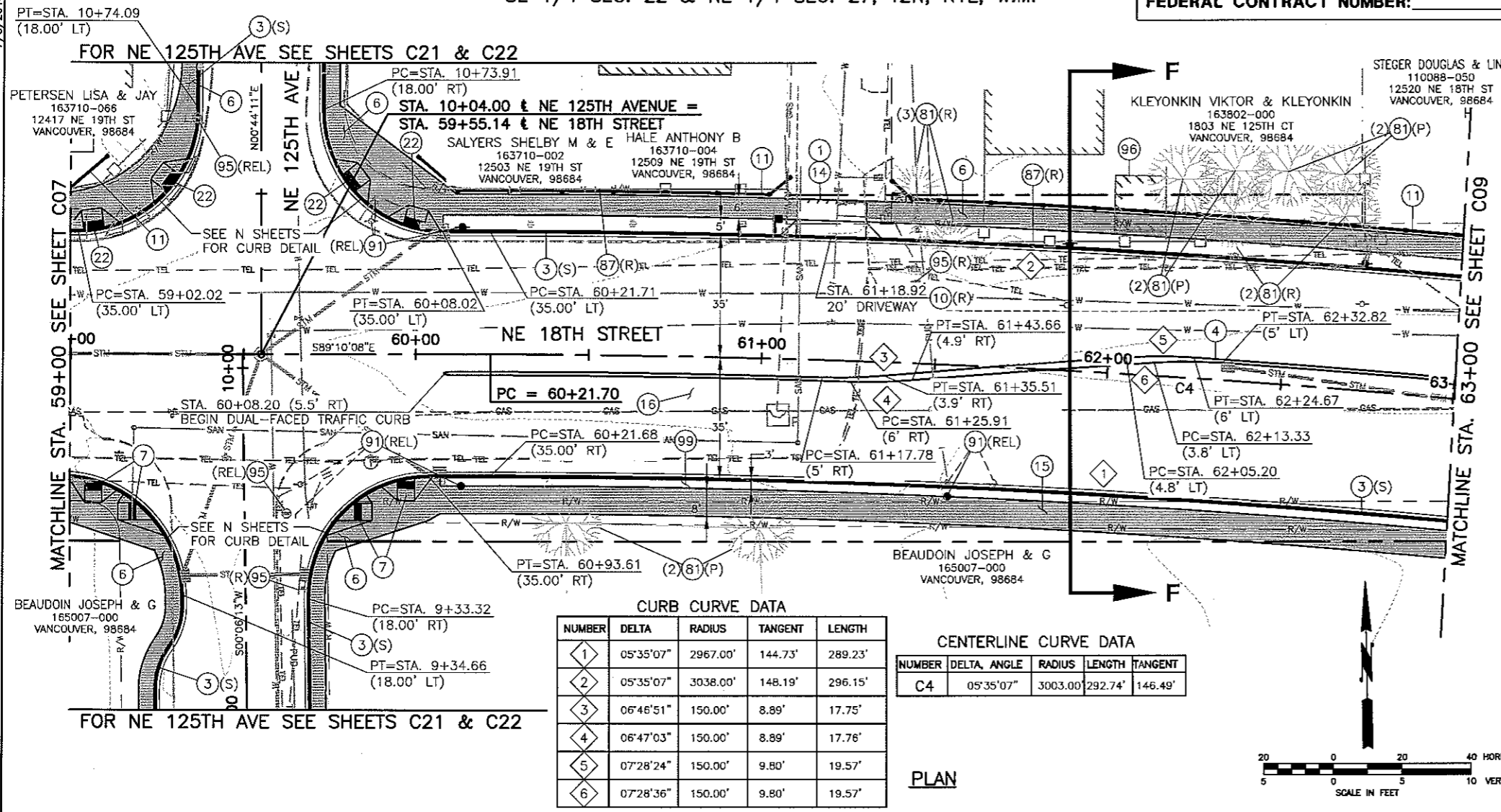
I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (-205 TO 138TH AVE)\PS&E\SHEETS\C01-C16.DWG

7/8/2010
I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (1-205 TO 139TH AVE)\PS&E\SHEETS\C01-C16.DWG

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: **HPP-4254 (004)**



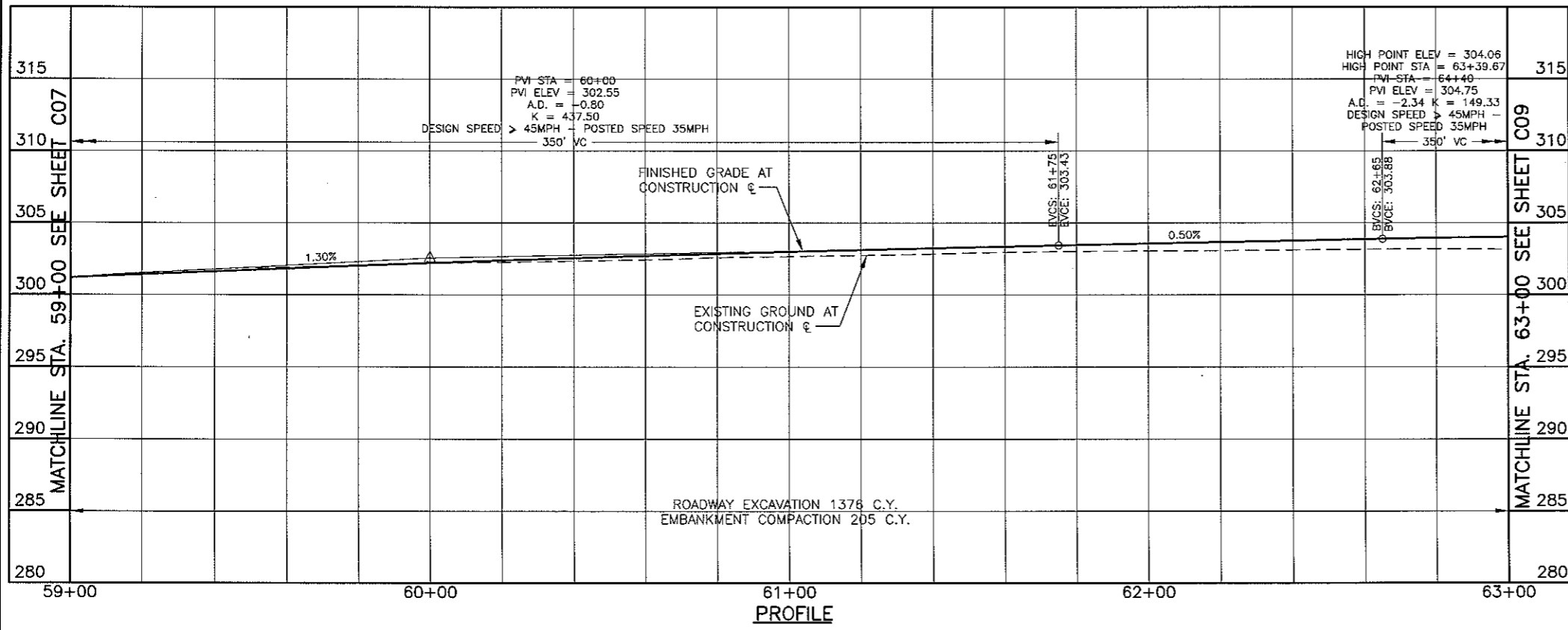
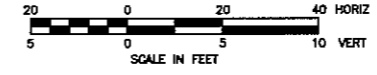
CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	05°35'07"	2967.00'	144.73'	289.23'
2	05°35'07"	3038.00'	148.19'	296.15'
3	06°46'51"	150.00'	8.89'	17.75'
4	06°47'03"	150.00'	8.89'	17.76'
5	07°28'24"	150.00'	9.80'	19.57'
6	07°28'36"	150.00'	9.80'	19.57'

CENTERLINE CURVE DATA

NUMBER	DELTA	ANGLE	RADIUS	LENGTH	TANGENT
C4	05°35'07"		3003.00'	292.74'	146.49'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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VANCOUVER DEPARTMENT OF TRANSPORTATION
 P.O. BOX 1995
 VANCOUVER, WA 98668-1995
 360-487-2700
 FAX: 360-487-7089

PRELIMINARY 90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAK
APPROVED BY:	MHA
REVISIONS:	

DRAWING NUMBER: C01-C16.DWG
 SCALE: HORIZONTAL: AS SHOWN
 VERTICAL:

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 59+00 TO STA. 63+00

PROJECT NUMBER: **071609**
 TASK NUMBER: **06.10.00**
C08

SHEET OF

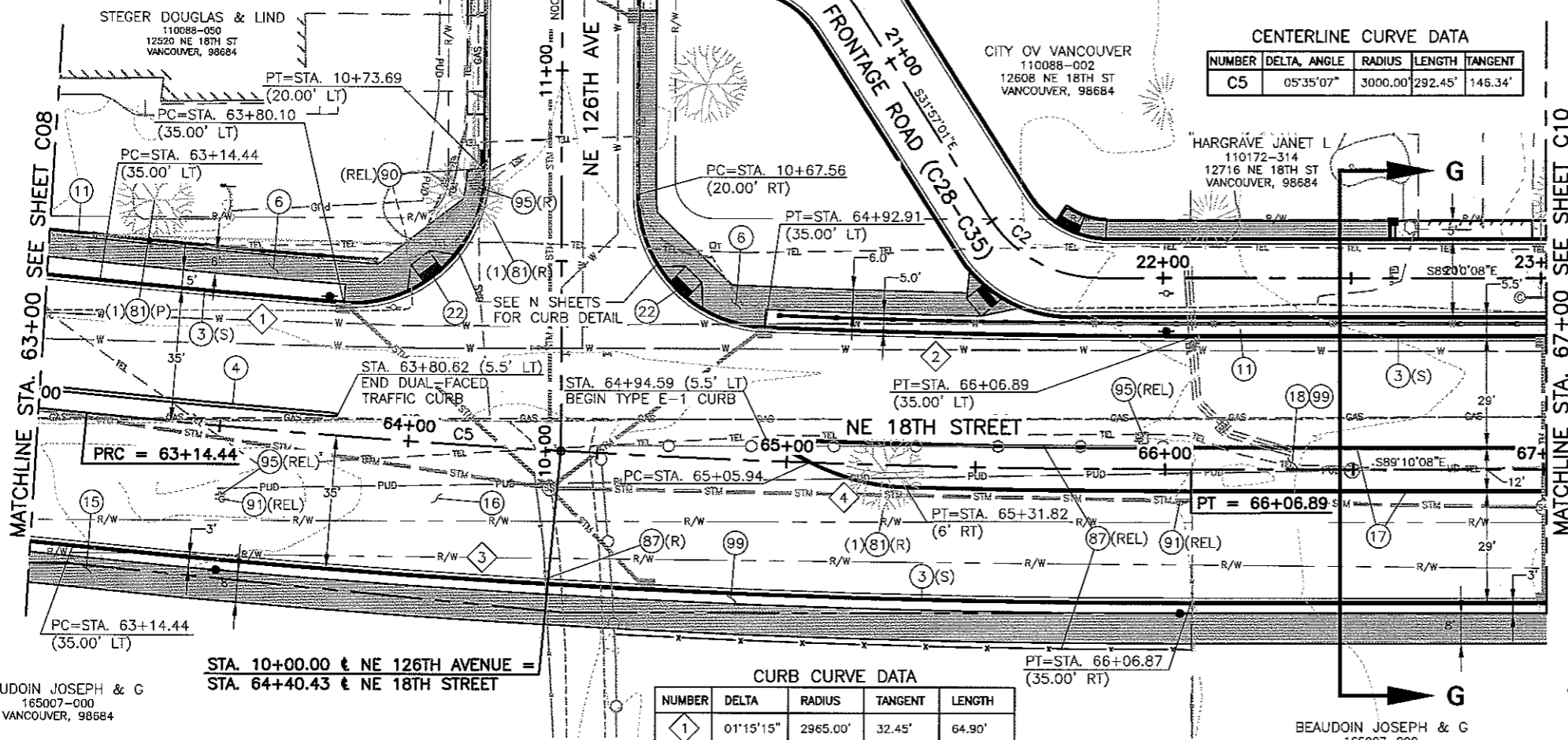
7/15/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)

FOR NE 126TH AVE SEE SHEET C23



CENTERLINE CURVE DATA

NUMBER	DELTA	ANGLE	RADIUS	LENGTH	TANGENT
C5	05°35'07"		3000.00'	292.45'	146.34'

CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	01°15'15"	2965.00'	32.45'	64.90'
2	02°10'36"	2965.00'	56.33'	112.65'
3	05°35'07"	3036.00'	148.10'	295.96'
4	26°30'15"	58.00'	13.66'	26.83'



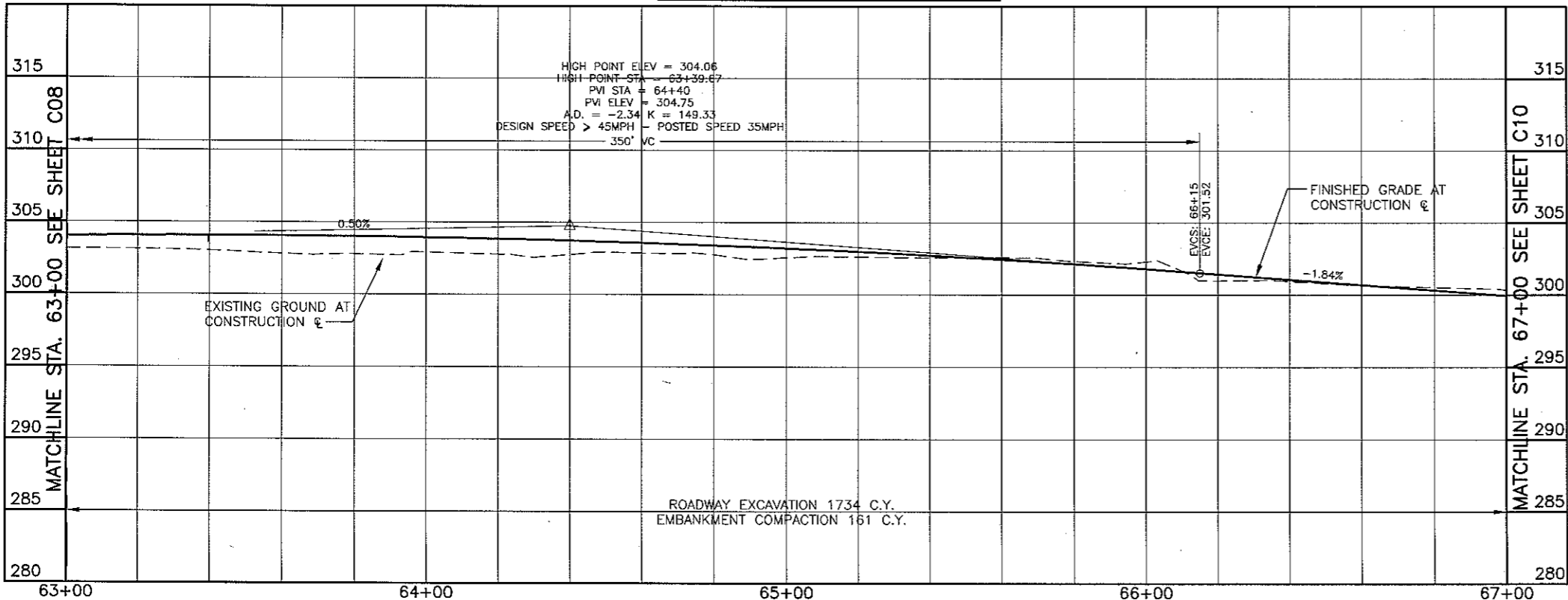
BEAUDOIN JOSEPH & G
165007-000
VANCOUVER, 98684

BEAUDOIN JOSEPH & G
165007-000
VANCOUVER, 98684

PLAN

STA. 10+00.00 & NE 126TH AVENUE =
STA. 64+40.43 & NE 18TH STREET

HIGH POINT ELEV = 304.06
 HIGH POINT STA = 63+39.67
 PVI STA = 64+40
 PVI ELEV = 304.75
 A.D. = -2.34 K = 149.33
 DESIGN SPEED > 45MPH - POSTED SPEED 35MPH
 350' VC



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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CLARK COUNTY UTILITIES COORDINATING COUNCIL



VANCOUVER
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TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7899

PRELIMINARY
90% PLAN

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	REVISIONS
JULY 2010	BTJ	BTJ	BTJ	BTJ	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 63+00 TO STA. 67+00

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C09

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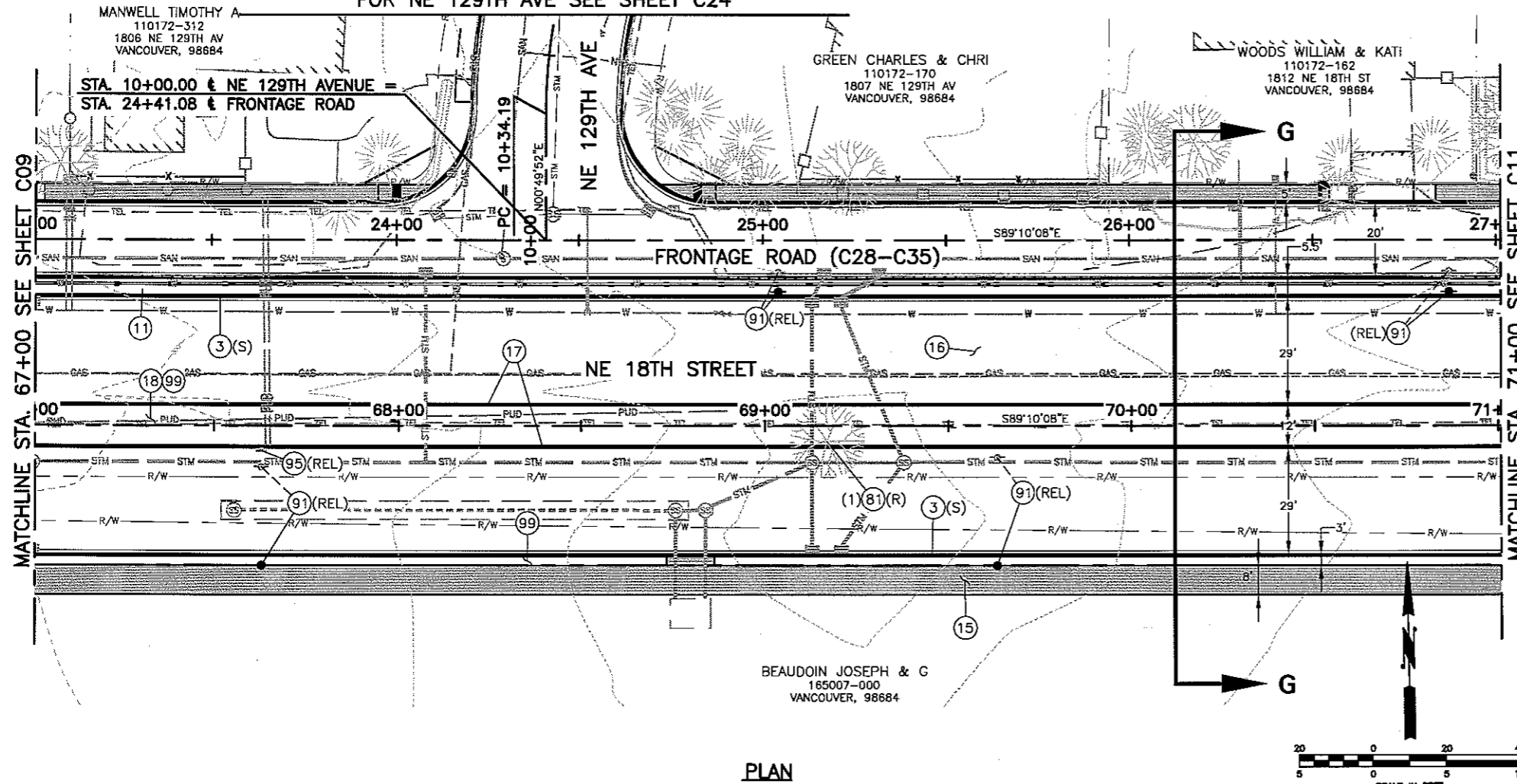
7/8/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

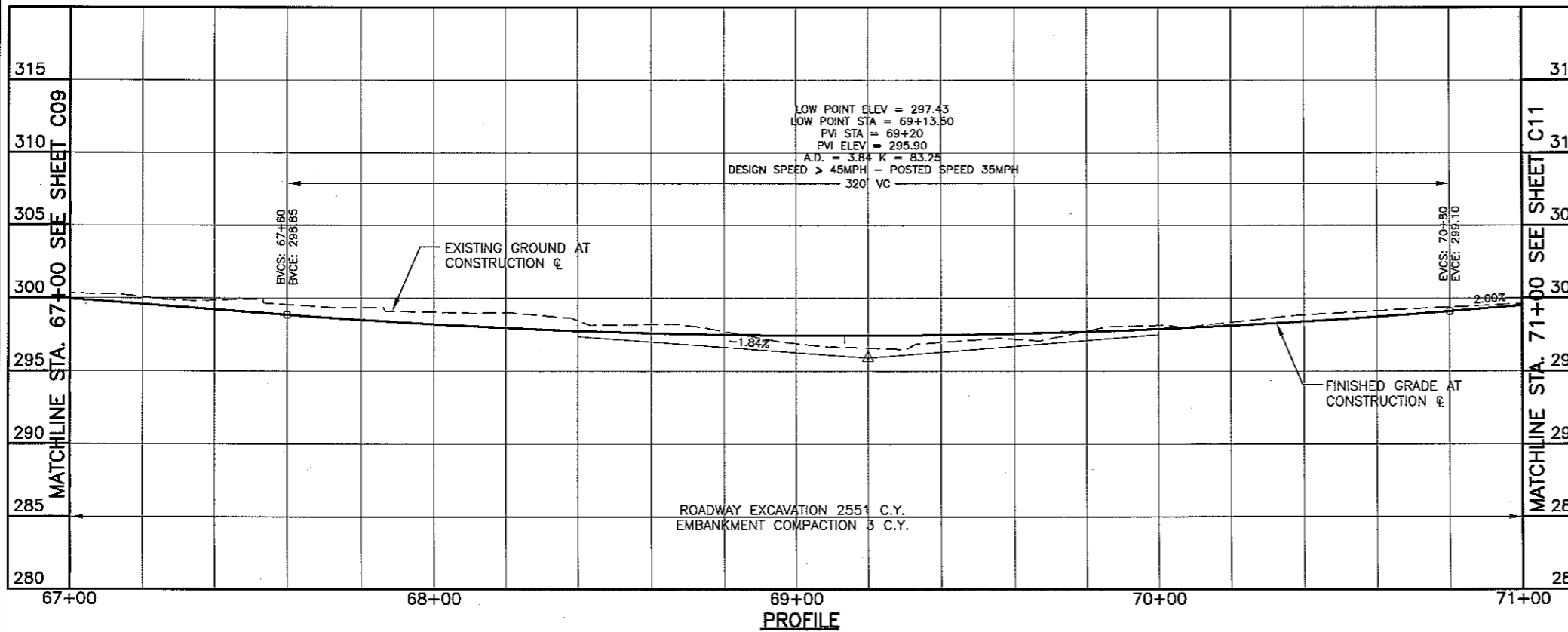
FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)

FOR NE 129TH AVE SEE SHEET C24



PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET DD1.
 - 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - 14 MATCH EXISTING DRIVEWAY.
 - 15 CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - 16 CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - 20 LIMITED ROW CURB RAMP. SEE DETAIL TD2-09 ON SHEET DD2.
 - 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS
- 80 PROTECT EXISTING MONUMENT.
 - 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - 89 PROTECT EXISTING MONUMENT.
 - 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - 92 PROTECT EXISTING RIPRAP.
 - 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - 94 REMOVE EXISTING CONCRETE BARRIER.
 - 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - 96 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7689

PRELIMINARY
90% PLAN

DATE	JULY 2010
DESIGNED BY	DJM
DRAWN BY	DJM
CHECKED BY	CAJ
APPROVED BY	MHA
REVISIONS	
SCALE	HORIZONTAL AS SHOWN
VERTICAL	
DATE	
NO.	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 67+00 TO STA. 71+00

PROJECT NUMBER
071609
TASK NUMBER
08.10.00
C10
SHEET OF

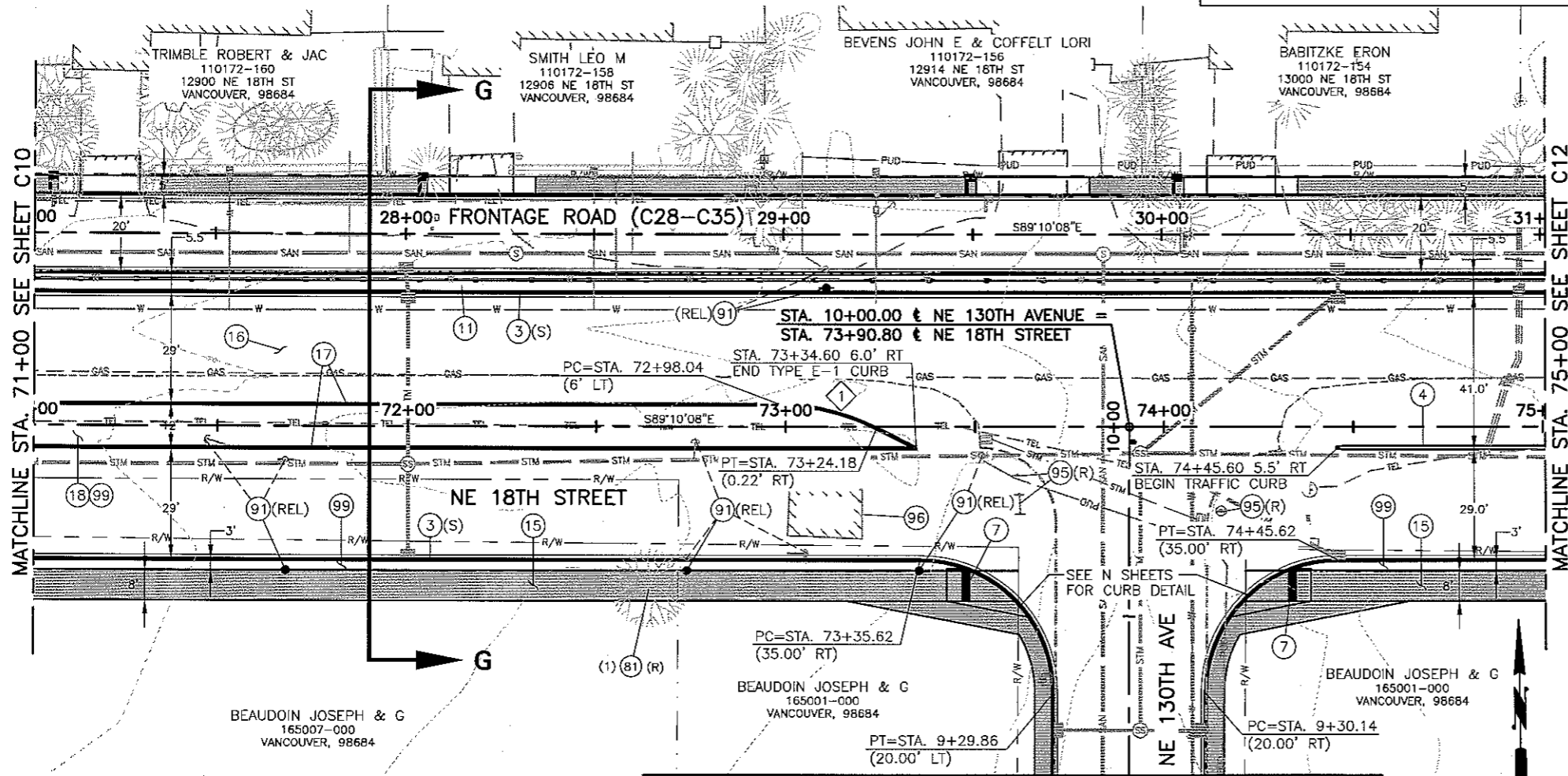
I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (L-205 TO 138TH AVE)\PS&E SHEETS\C01-C16.DWG

7/8/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



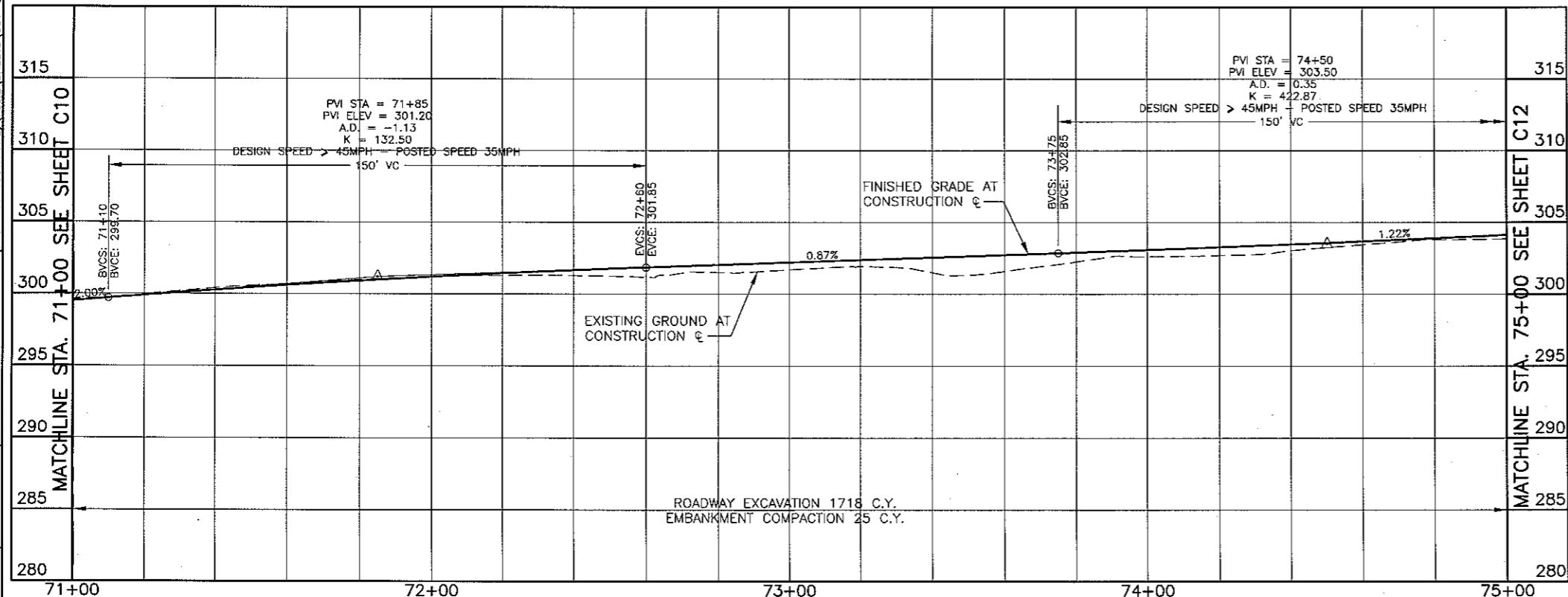
CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	26°46'59"	58.00'	13.81'	27.11'

PLAN



FOR NE 130TH AVE SEE SHEET C25



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
- 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
- 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
- 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
- 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
- 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
- 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
- 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
- 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
- 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
- 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
- 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
- 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
- 14 MATCH EXISTING DRIVEWAY.
- 15 CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
- 16 CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
- 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
- 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
- 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
- 20 LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
- 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
- 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
- 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
- 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.

MISCELLANEOUS

- 80 PROTECT EXISTING MONUMENT.
- 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
- 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
- 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
- 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
- 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
- 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
- 89 PROTECT EXISTING MONUMENT.
- 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
- 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
- 92 PROTECT EXISTING RIPRAP.
- 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
- 94 REMOVE EXISTING CONCRETE BARRIER.
- 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
- 96 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
- 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
- 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
- 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7899

**PRELIMINARY
90% PLAN**

DATE: JULY 2010	DESIGNED BY: DJM
DRIVEN BY: DJM	CHECKED BY: CAM
APPROVED BY: MHA	REVISIONS:
SCALE	HORIZONTAL: AS SHOWN
VERTICAL:	
DATE	NO.

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 71+00 TO STA. 75+00**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C11

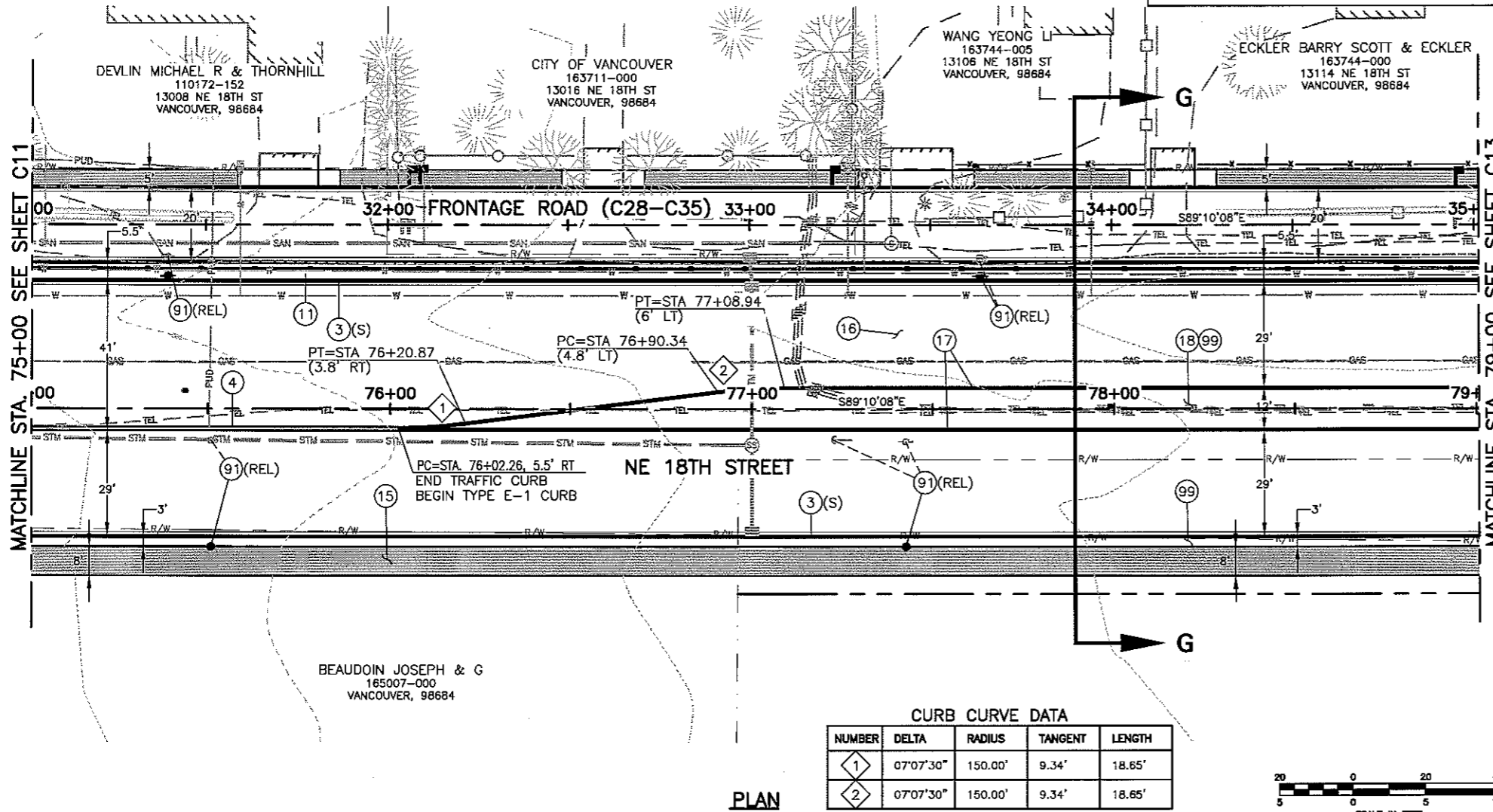
SHEET OF

7/8/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	07°07'30"	150.00'	9.34'	18.65'
2	07°07'30"	150.00'	9.34'	18.65'

PLAN



CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND DD4.
 - 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL TD2-01A ON SHEET DD1.
 - 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-D5B ON SHEET D02.
 - 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - 14 MATCH EXISTING DRIVEWAY.
 - 15 CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - 16 CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - 20 LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- 80 PROTECT EXISTING MONUMENT.
 - 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - 89 PROTECT EXISTING MONUMENT.
 - 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - 92 PROTECT EXISTING RIPRAP.
 - 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - 94 REMOVE EXISTING CONCRETE BARRIER.
 - 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - 96 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

BEAUDOIN JOSEPH & G
165007-000
VANCOUVER, 98684

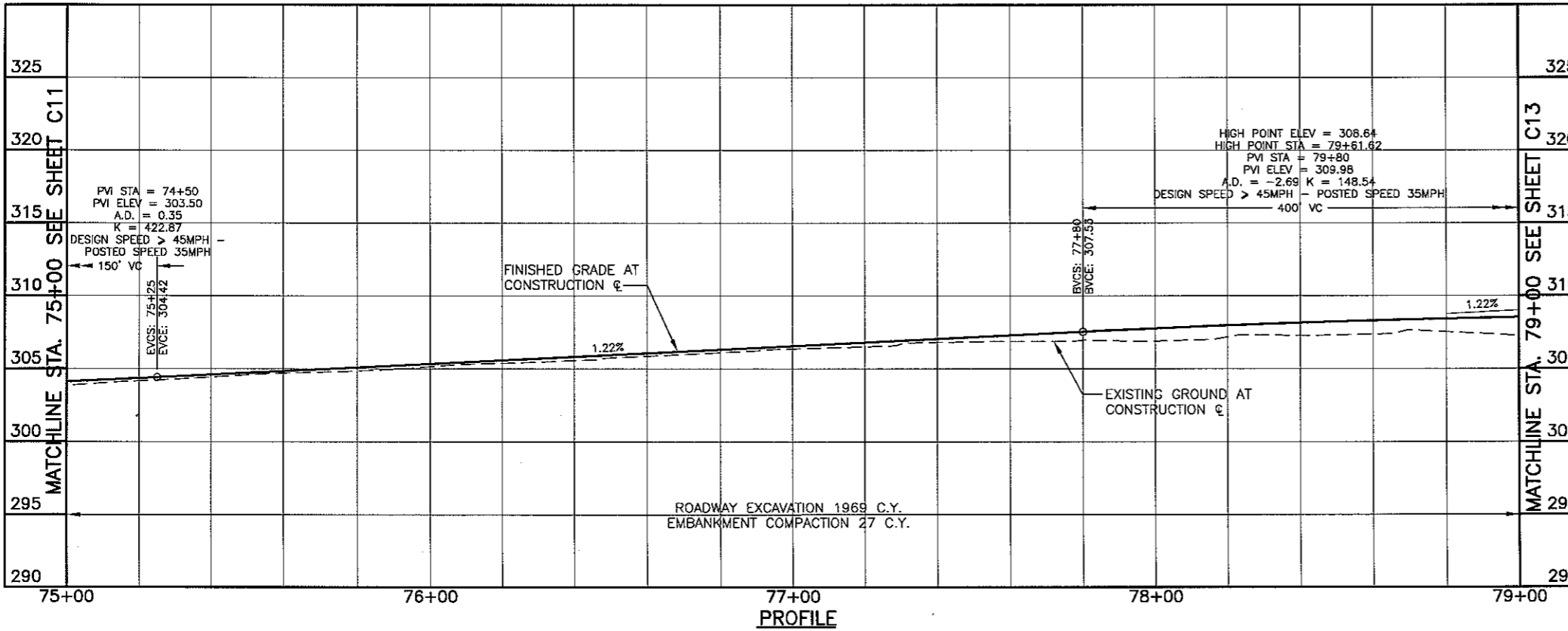
WANG YEONG
163744-005
13106 NE 18TH ST
VANCOUVER, 98684

ECKLER BARRY SCOTT & ECKLER
163744-000
13114 NE 18TH ST
VANCOUVER, 98684

DEVLIN MICHAEL R & THORNHILL
110172-152
13008 NE 18TH ST
VANCOUVER, 98684

CITY OF VANCOUVER
163711-000
13016 NE 18TH ST
VANCOUVER, 98684

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (-205 TO 138TH AVE)\PS&E\SHEETS\C01-C16.DWG



PROFILE

CALL
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"It's the Law"
CLARK COUNTY UTILITIES COORDINATING COUNCIL



VANCOUVER
DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7689

**PRELIMINARY
90% PLAN**

DATE	DESIGNED BY	DATE	DESIGNED BY
JULY 2010	DFM		
SCALE	DRAWN BY	SCALE	DRAWN BY
HORIZONTAL AS SHOWN	DFM		
VERTICAL	CAN		
DATE	CHECKED BY	DATE	CHECKED BY
	DFM		
	APPROVED BY		
	MHA		
	REVISIONS		

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 75+00 TO STA. 79+00**

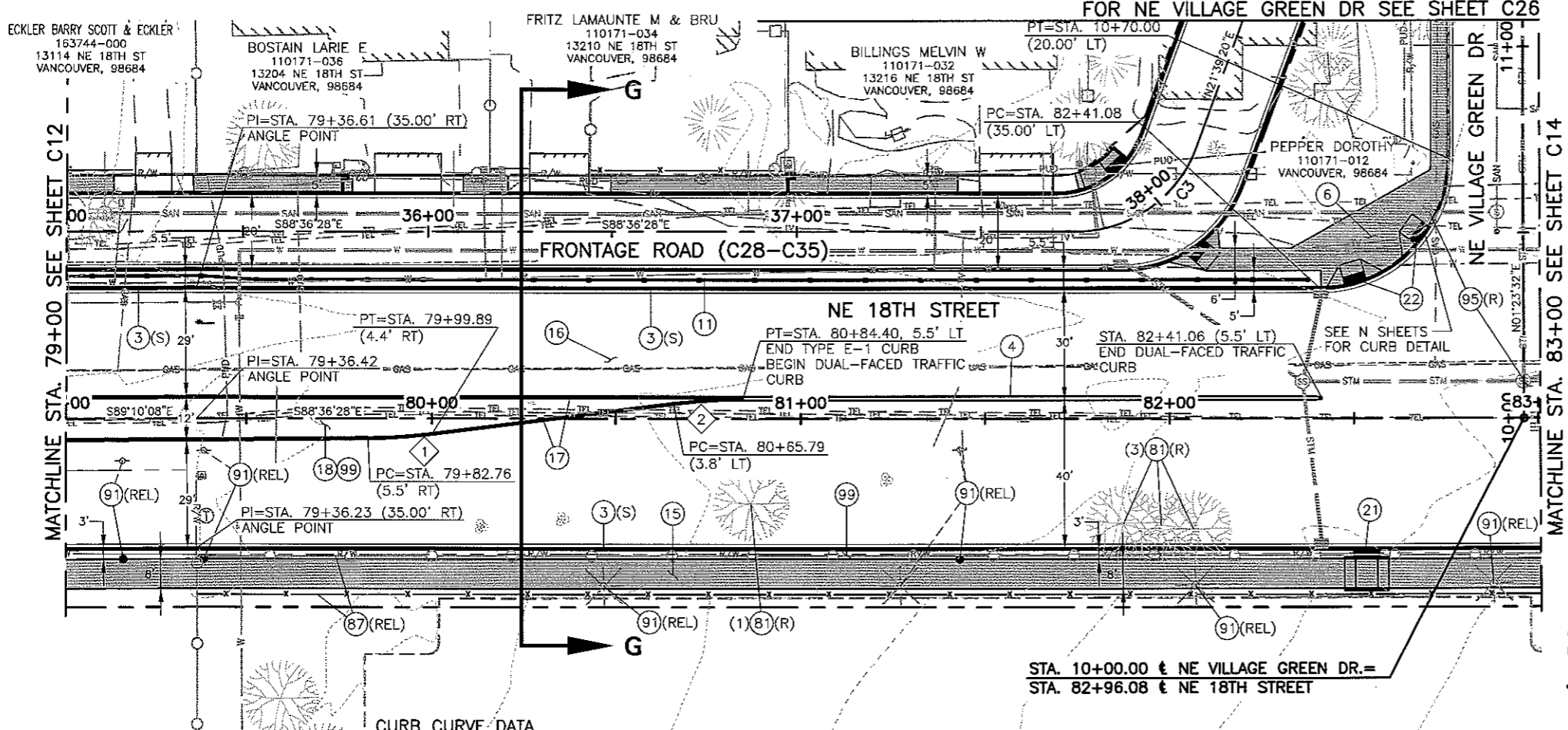
PROJECT NUMBER
071609
TASK NUMBER
09-10-00
C12
SHEET OF

7/9/2010
I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (-205 TO 138TH AVE)\PS&E SHEETS\C01-C16.DWG

SW 1/4 SEC. 23 & SE 1/4 SEC. 22 & NW 1/4 SEC. 26 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

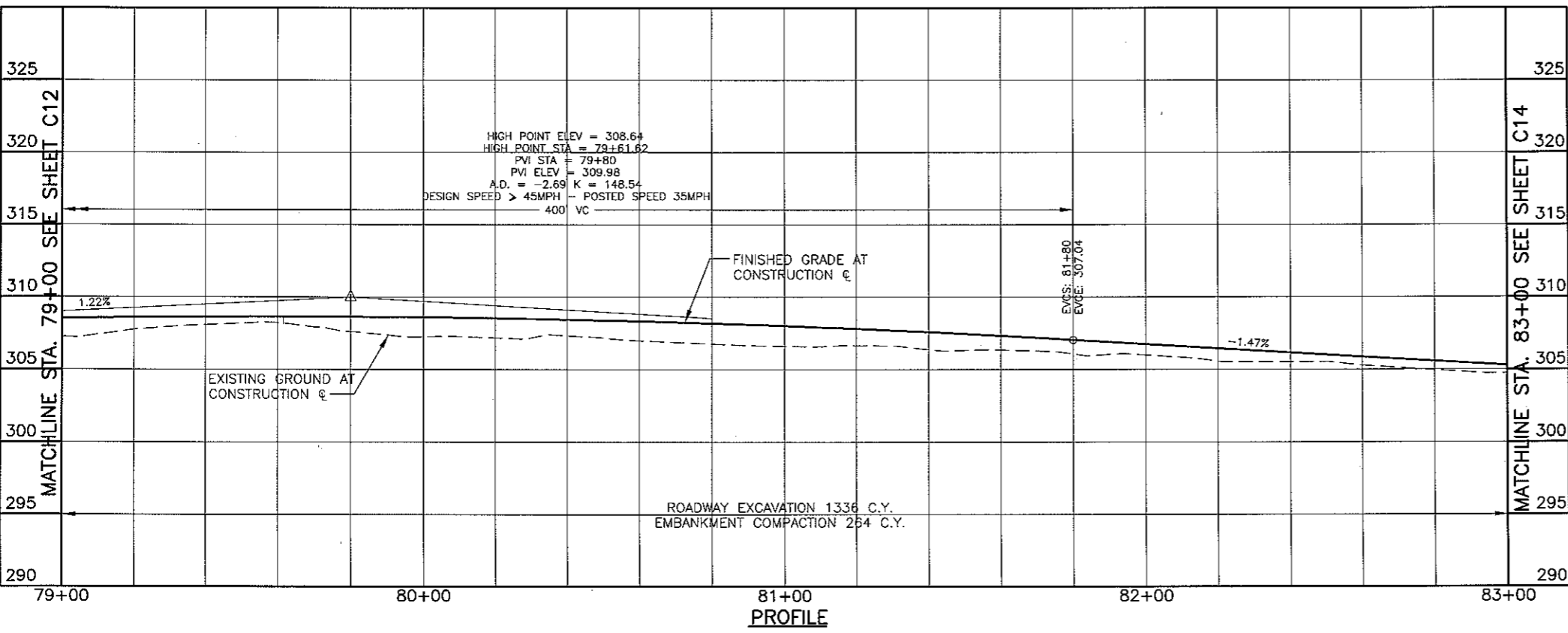
FEDERAL AID NUMBER: **HPP-4254 (004)**



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	06°33'50"	150.00'	8.60'	17.18'
2	07°07'30"	150.00'	9.34'	18.65'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - 14 MATCH EXISTING DRIVEWAY.
 - 15 CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - 16 CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - 20 LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- 80 PROTECT EXISTING MONUMENT.
 - 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - 89 PROTECT EXISTING MONUMENT.
 - 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - 92 PROTECT EXISTING RIPRAP.
 - 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - 94 REMOVE EXISTING CONCRETE BARRIER.
 - 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - 96 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 79+00 TO STA. 83+00**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C13

SHEET OF

DATE: JULY 2010
DESIGNED BY: DJM
DRAWN BY: DJM
CHECKED BY: CAM
APPROVED BY: MHA

REVISIONS

SCALE
HORIZONTAL AS SHOWN
VERTICAL

VANCOUVER DEPARTMENT OF TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA 98668-1995
360-487-7700
360-487-7899

VANCOUVER WASHINGTON

CALL 2 BUSINESS DAYS BEFORE YOU DIG
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"It's the Law"
CLARK COUNTY UTILITIES COORDINATING COUNCIL

7/9/2010

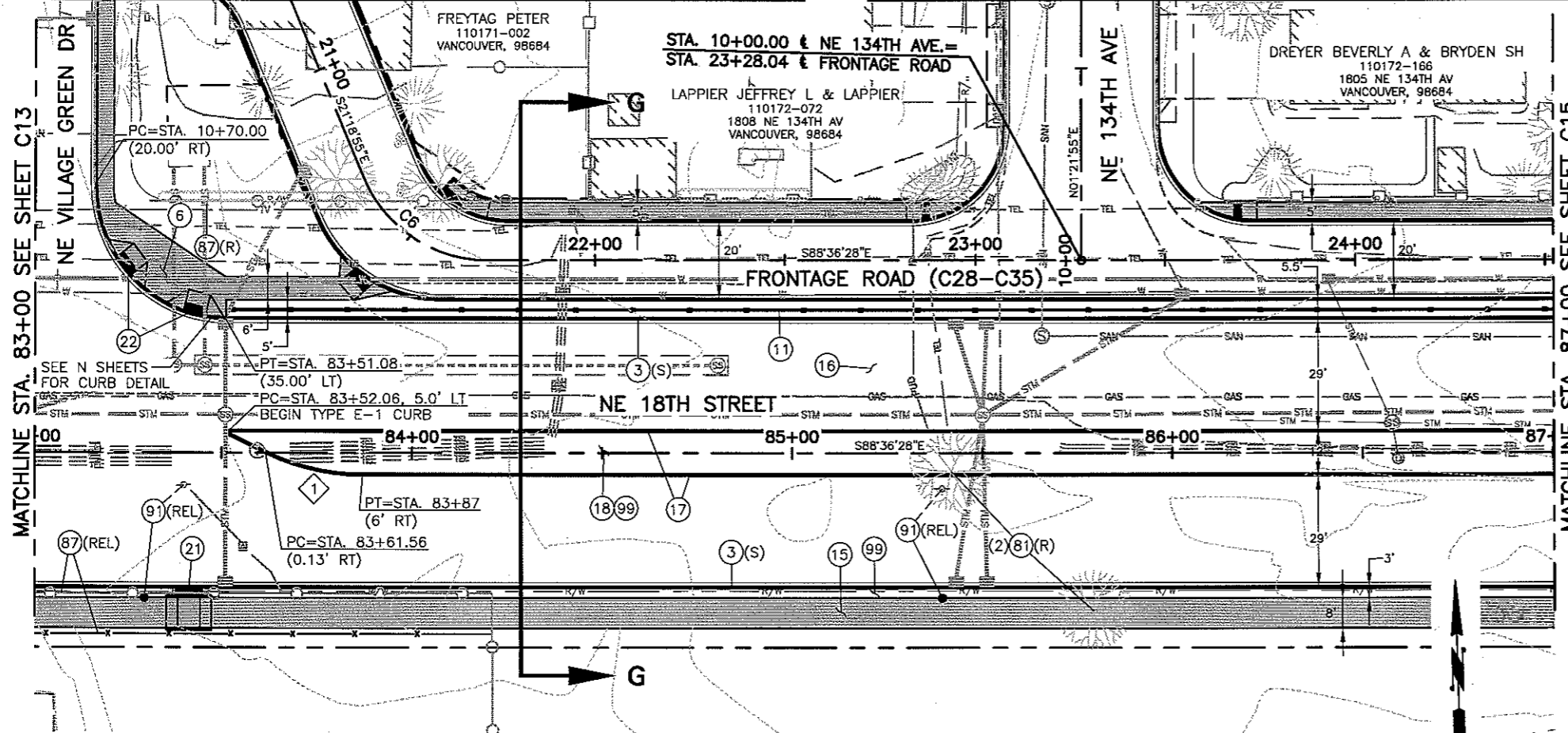
SW 1/4 SEC. 23 & NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)

FOR ROADWAY & DRAINAGE ALONG NE VILLAGE GREEN DR SEE SHEET C26

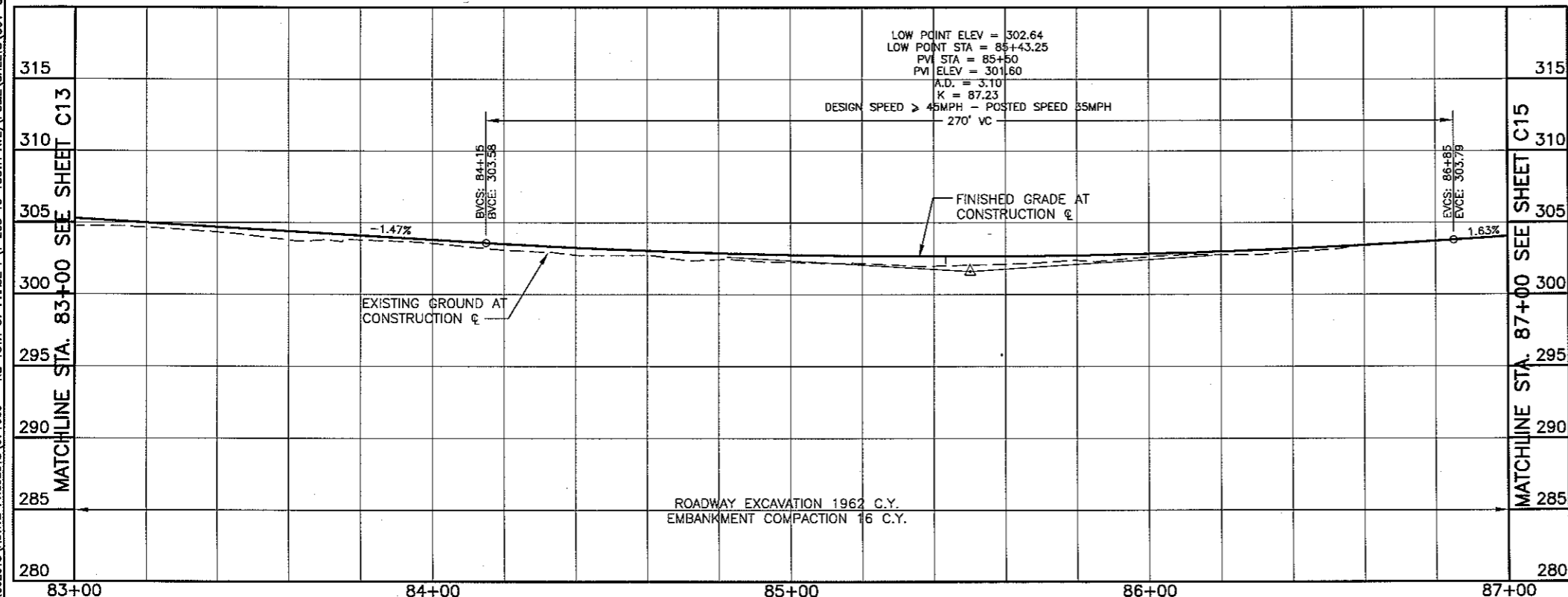
FOR ROADWAY & DRAINAGE ALONG NE 134TH AVE SEE SHEET C27



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	26°00'33"	58.00'	13.40'	26.33'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS WD1-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND DD4.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED RDW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL TD2-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHDR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.



VANCOUVER
DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7699

**PRELIMINARY
90% PLAN**

DATE	JULY 2010
DESIGNED BY	DJM
DRAWN BY	DJM
CHECKED BY	CAM
APPROVED BY	MHA
REVISIONS	
NO.	
DATE	

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 83+00 TO STA. 87+00**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C14
SHEET OF

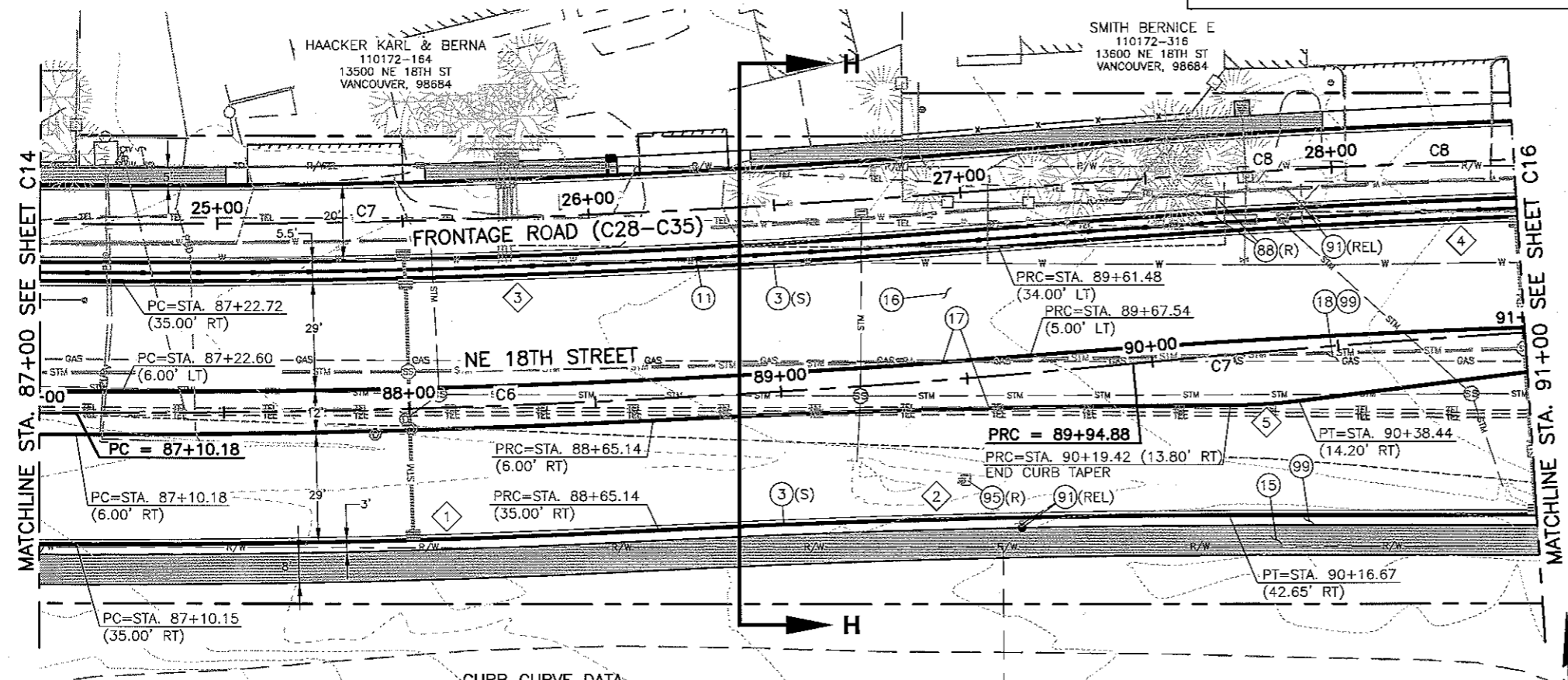
I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (1-205 TO 138TH AVE)\PS&E\SHEETS\C01-C16.DWG

7/9/2010

SW 1/4 SEC. 23 & NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



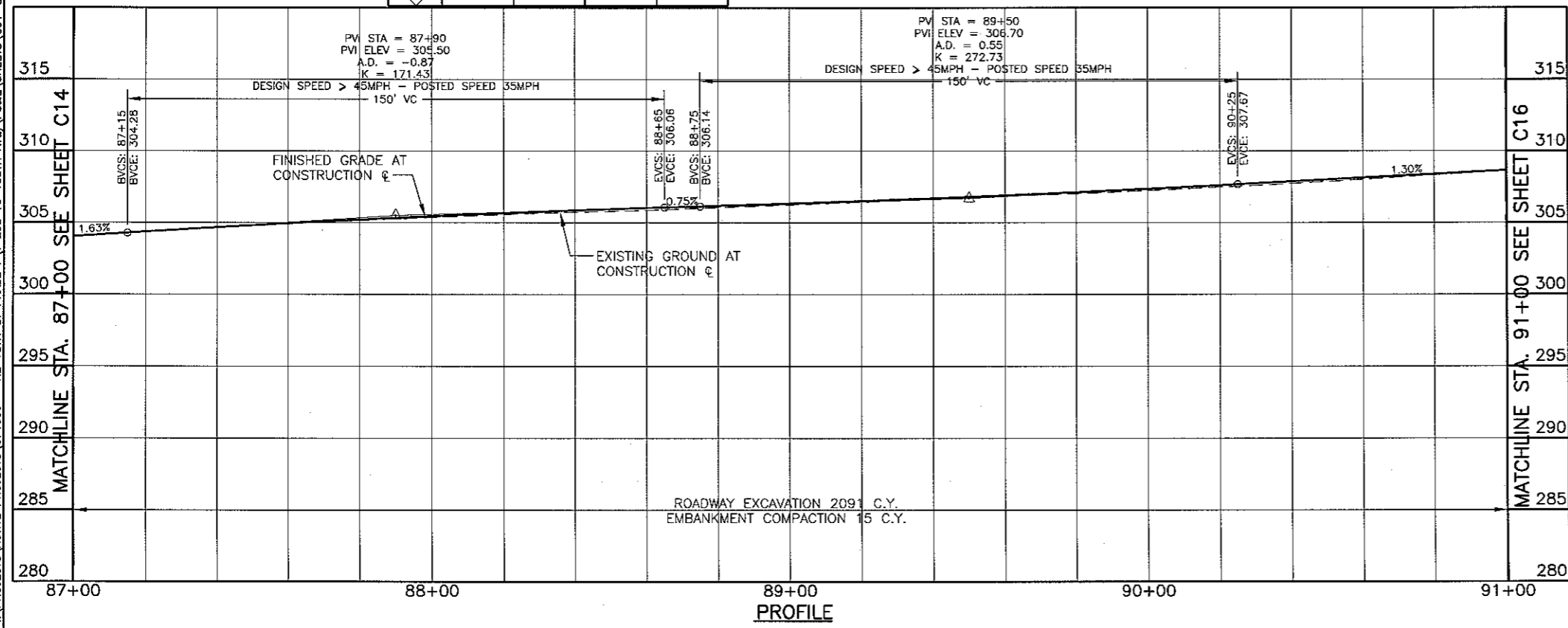
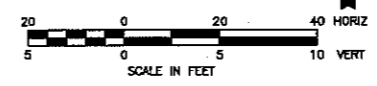
CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	02°57'33"	3035.89'	78.41'	156.79'
2	02°57'33"	2964.00'	76.56'	153.08'
3	04°33'39"	2965.00'	118.07'	236.02'
4	04°33'39"	3035.00'	120.86'	241.60'
5	07°08'20"	150.00'	9.36'	18.69'

CENTERLINE CURVE DATA

NUMBER	DELTA, ANGLE	RADIUS	LENGTH	TANGENT
C6	05°26'15"	2999.94'	284.71'	142.46'
C7	05°26'15"	3000.00'	284.71'	142.46'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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VANCOUVER
DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7698

**PRELIMINARY
90% PLAN**

DATE: JULY 2010	DESIGNED BY: DJM
DRAWN BY: DJM	CHECKED BY: CAM
APPROVED BY: MHA	REVISIONS
SCALE	HORIZONTAL AS SHOWN
SCALE	VERTICAL
DATE	NO.

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 87+00 TO STA. 91+00**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C15
SHEET OF

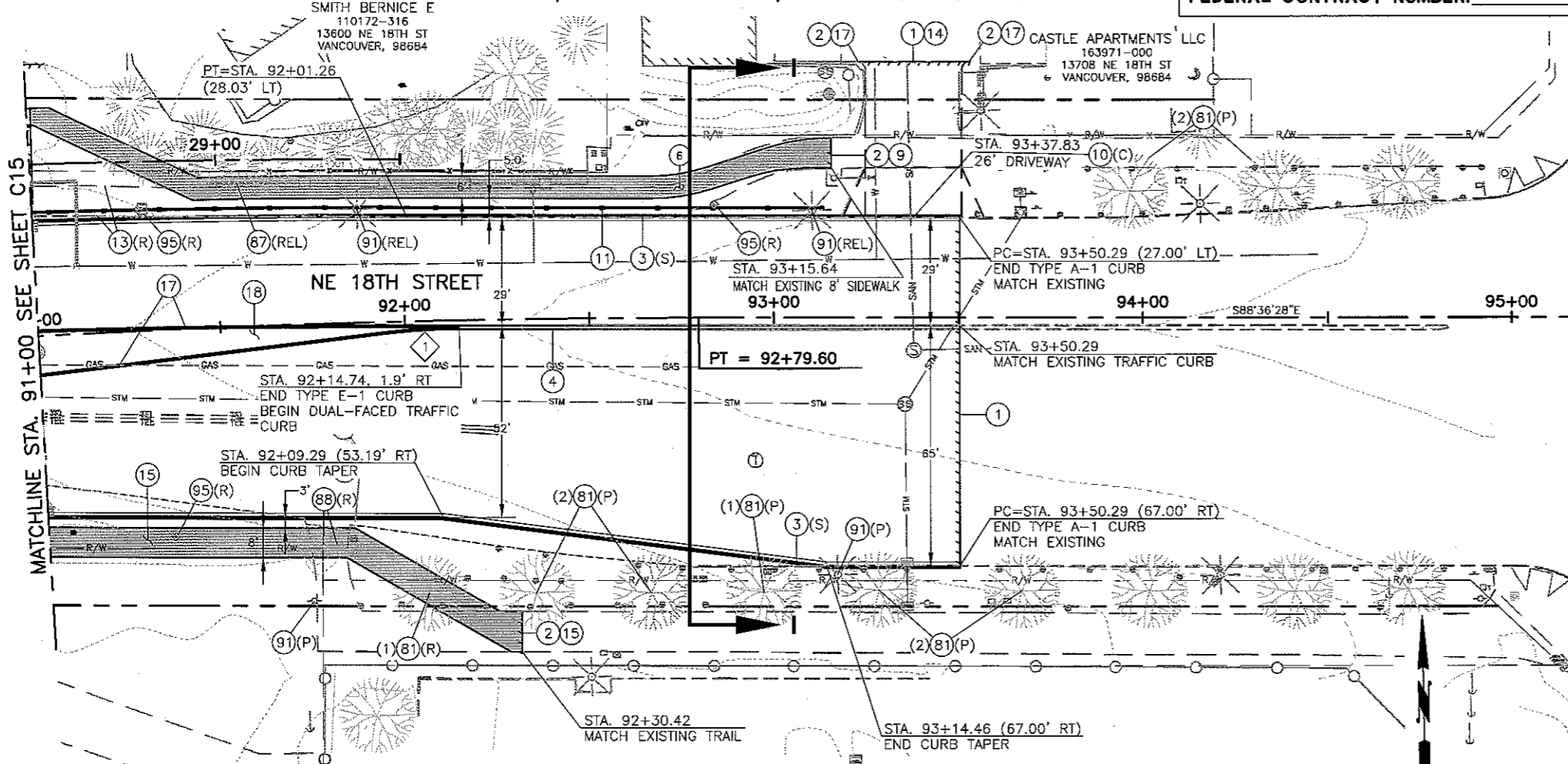
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7/9/2010

SW 1/4 SEC. 23 & NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

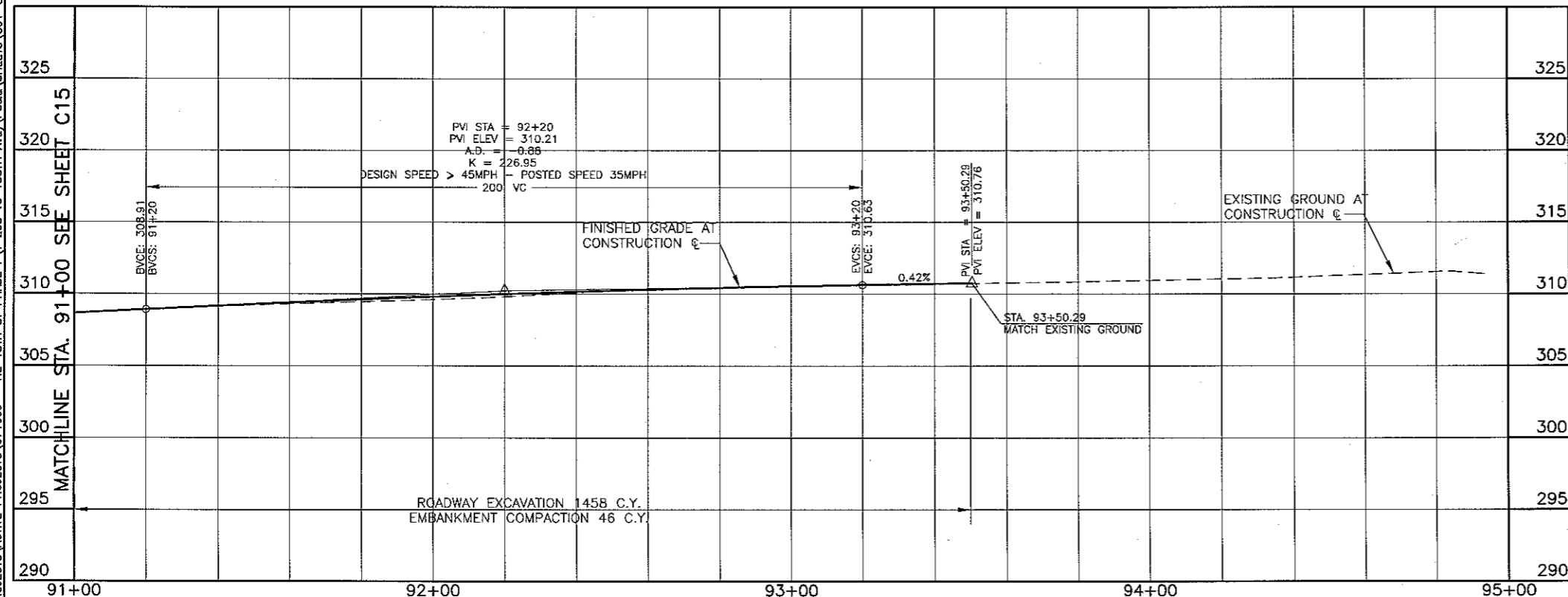
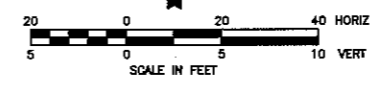
FEDERAL AID NUMBER: HPP-4254 (004)



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	07°07'48"	150.00'	9.35'	18.67'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
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VANCOUVER
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VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7689

**PRELIMINARY
90% PLAN**

DATE:	JULY 2010	
DESIGNED BY:	DJM	
DRAWN BY:	DJM	
CHECKED BY:	CAM	
APPROVED BY:	MHA	
REVISIONS		
DATE	NO.	DESCRIPTION

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 18TH STREET
ROAD PLAN AND PROFILE
STA. 91+00 TO PROJECT END**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C16
SHEET OF

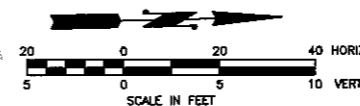
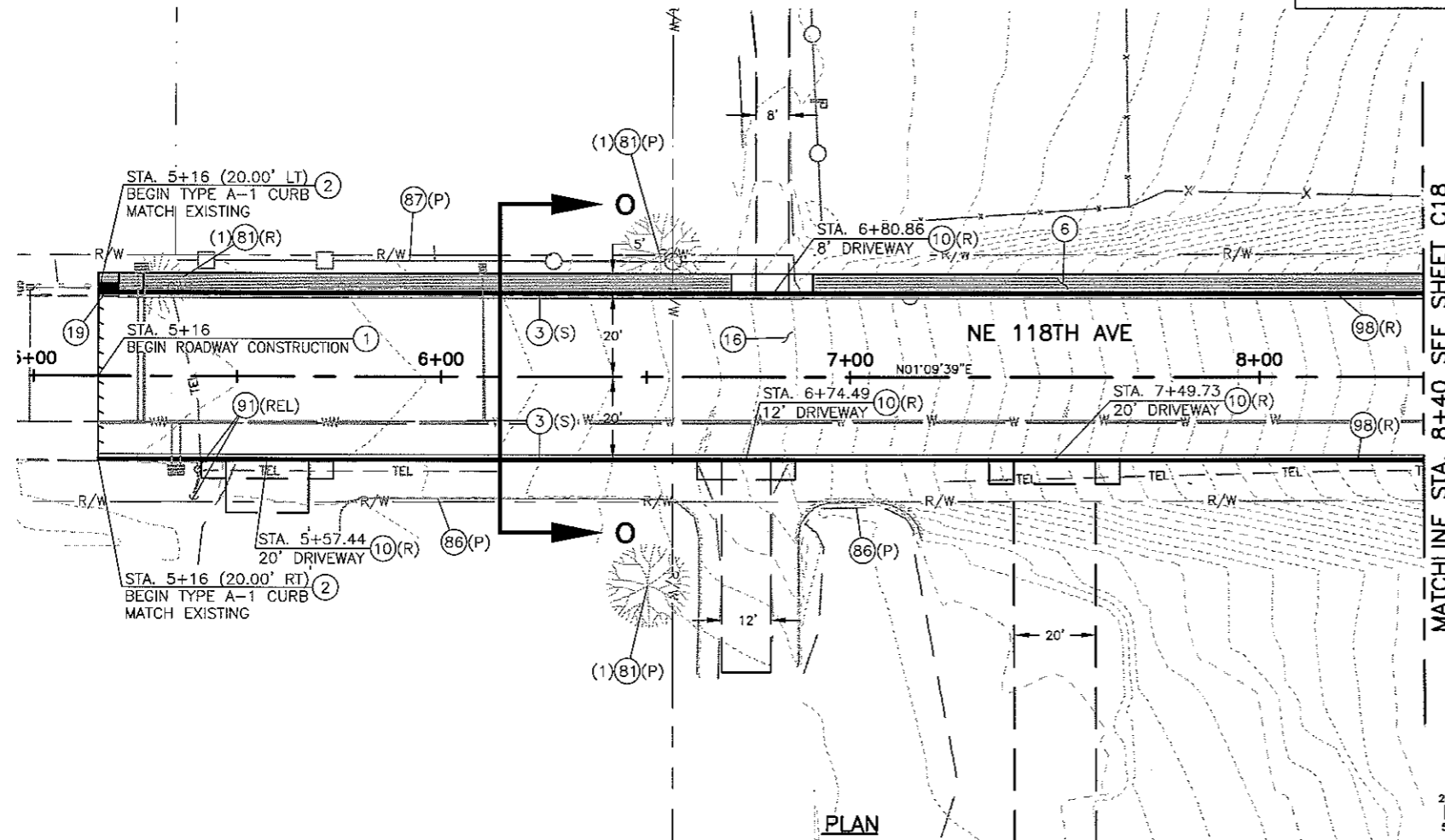
I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST. PHASE I (L-205 TO 138TH AVE)\PS&E SHEETS\C01-C16.DWG

7/8/2010

SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: **HPP-4254 (004)**



MATCHLINE STA. 8+40 SEE SHEET C18

PLAN

CONSTRUCTION NOTES:

GENERAL NOTES

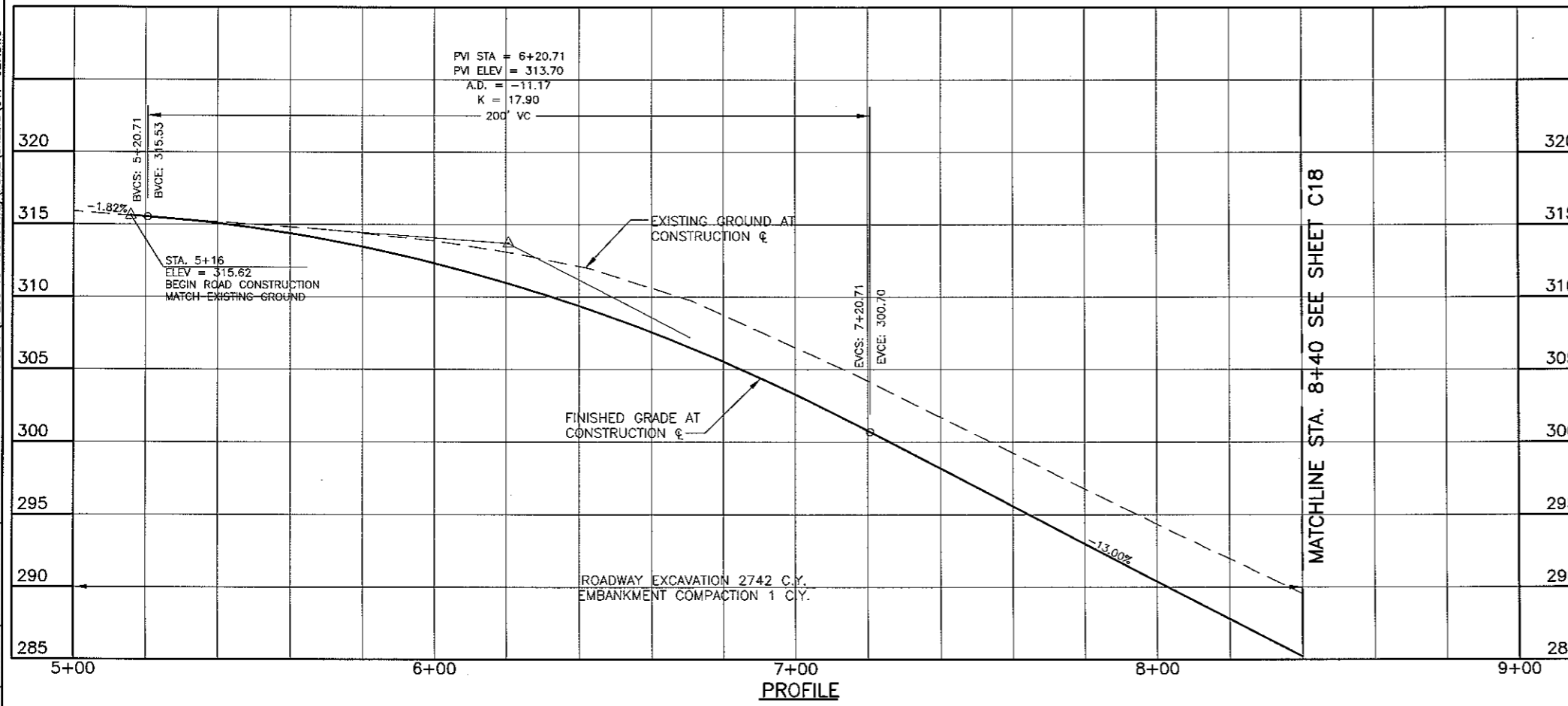
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- ① SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
- ② SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
- ③ CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
- ④ CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
- ⑤ CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
- ⑥ CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
- ⑦ CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
- ⑧ CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
- ⑨ MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
- ⑩ CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
- ⑪ CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
- ⑫ CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
- ⑬ REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
- ⑭ MATCH EXISTING DRIVEWAY.
- ⑮ CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
- ⑯ CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
- ⑰ CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
- ⑱ CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
- ⑲ PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
- ⑳ LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
- ㉑ CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
- ㉒ CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
- ㉓ CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
- ㉔ CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.

MISCELLANEOUS

- ⑧0 PROTECT EXISTING MONUMENT.
- ⑧1 REMOVE (R) OR PROTECT (P) EXISTING TREE.
- ⑧2 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
- ⑧3 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
- ⑧6 REMOVE (R) OR PROTECT (P) EXISTING WALL.
- ⑧7 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
- ⑧8 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
- ⑧9 PROTECT EXISTING MONUMENT.
- ⑨0 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
- ⑨1 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
- ⑨2 PROTECT EXISTING RIPRAP.
- ⑨3 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
- ⑨4 REMOVE EXISTING CONCRETE BARRIER.
- ⑨5 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
- ⑨6 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
- ⑨7 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
- ⑨8 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
- ⑨9 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.



PROFILE

MATCHLINE STA. 8+40 SEE SHEET C18

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VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7699

**PRELIMINARY
90% PLAN**

DATE	JULY 2010
DESIGNED BY	DJM
DRAWN BY	DJM
CHECKED BY	CAM
APPROVED BY	MHA
REVISIONS	
SCALE	HORIZONTAL AS SHOWN
VERTICAL	
DATE	
NO.	

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 118TH AVENUE
ROAD PLAN AND PROFILE
STA. 5+20 TO STA. 8+40**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C17
SHEET OF

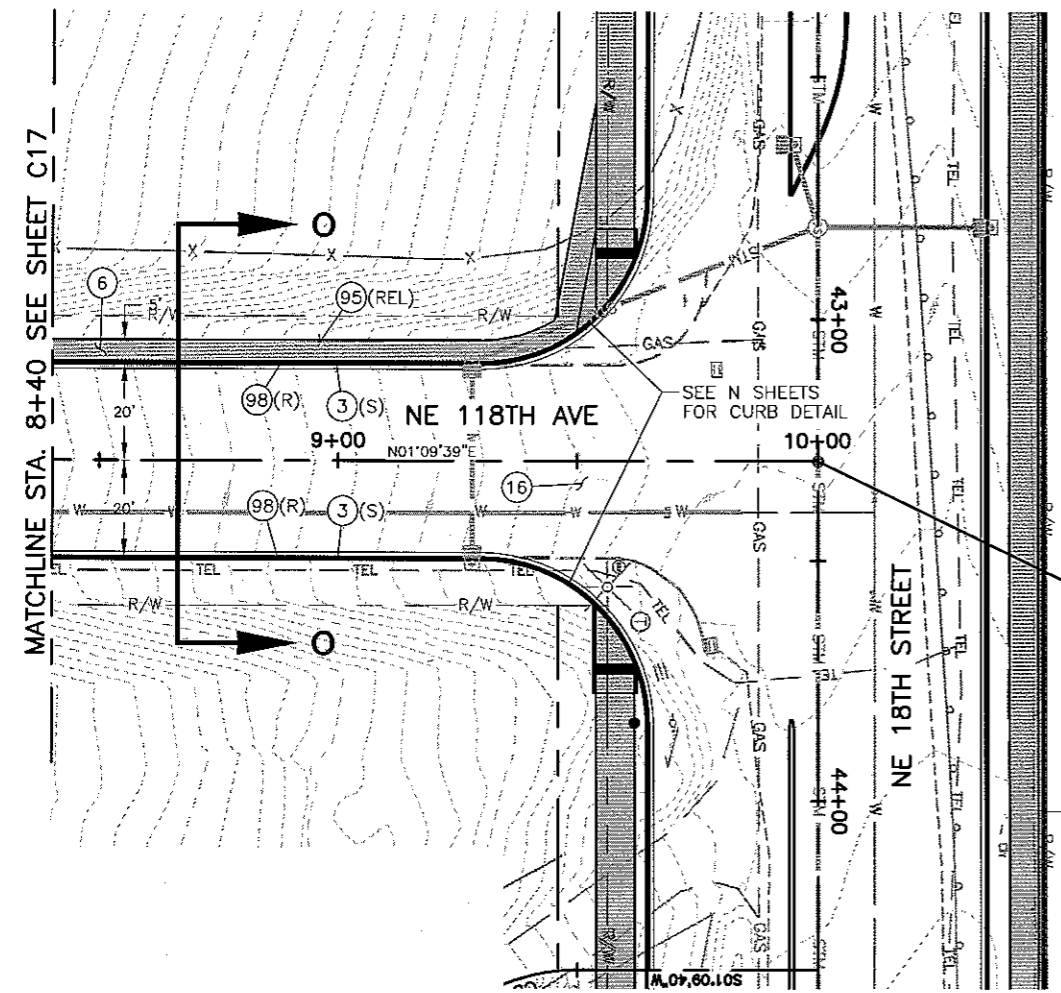
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7/8/2010

SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: **HPP-4254 (004)**

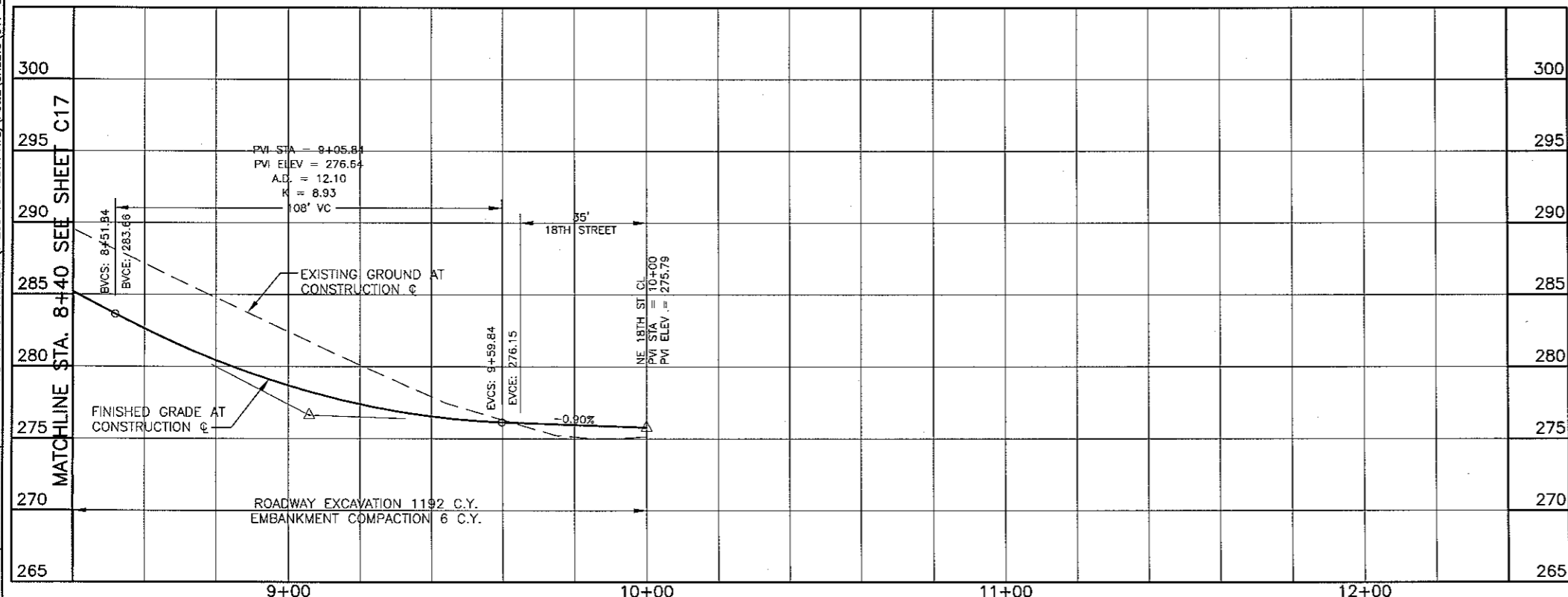
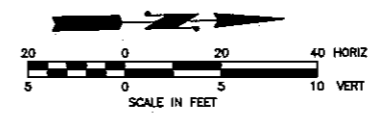


MISSION HILLS LLC
163702-000
11900 NE 18TH ST
VANCOUVER, 98684

STA. 10+00.00 @ NE 118TH AVENUE =
STA. 43+29.38 @ NE 18TH STREET

MISSION HILLS LLC
163828-005
11900 NE 18TH ST
VANCOUVER, 98684

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
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 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
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 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
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 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
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 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
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 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
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P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7698

**PRELIMINARY
90% PLAN**

DATE: JULY 2010	DESIGNED BY: DJM
DRAWN BY: DJM	CHECKED BY: CAM
APPROVED BY: MHA	REVISIONS
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
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NO. 98	
NO. 99	
NO. 100	

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 118TH AVENUE
ROAD PLAN AND PROFILE
STA. 8+40 TO STA. 10+00**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C18
SHEET OF

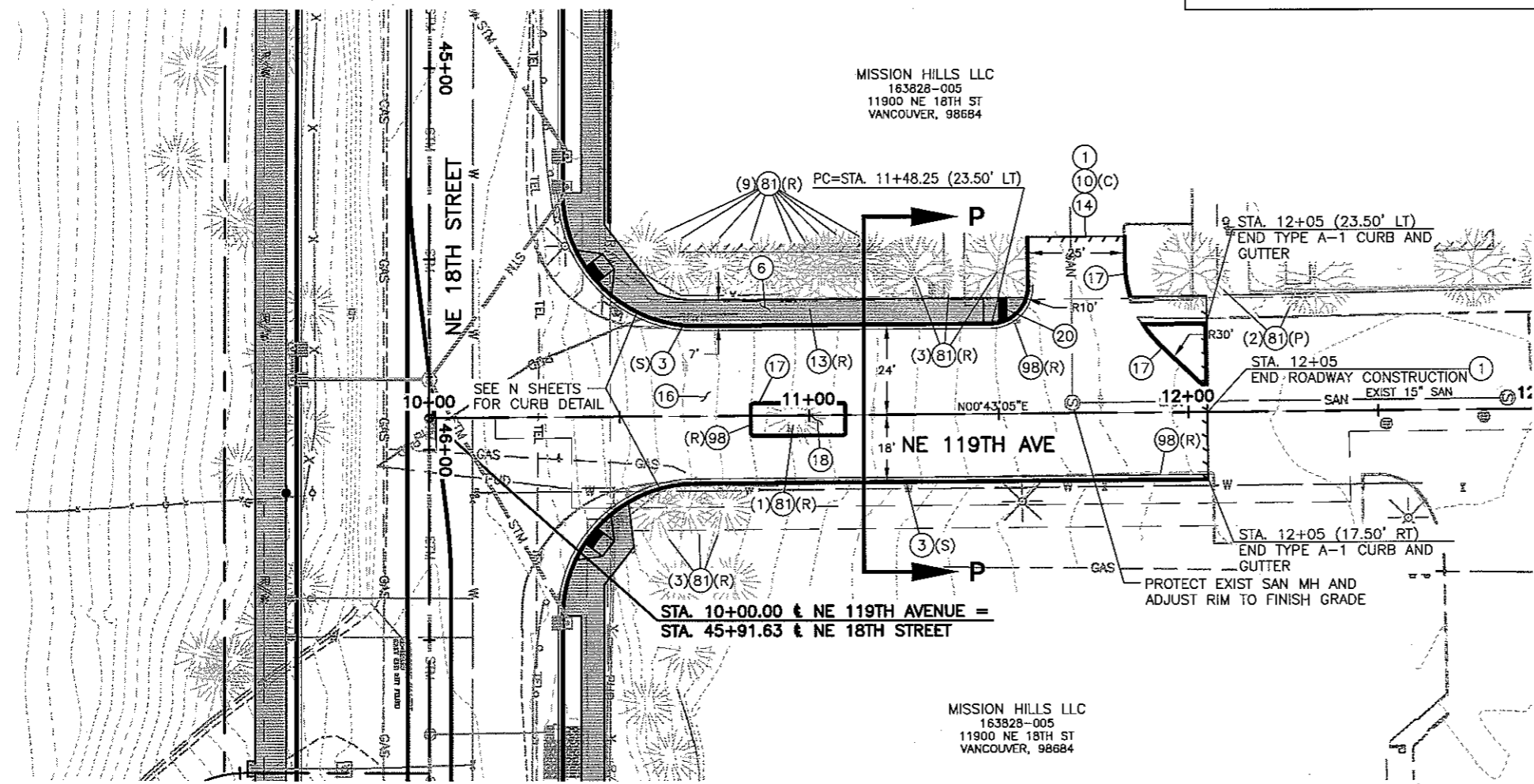
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7/8/2010

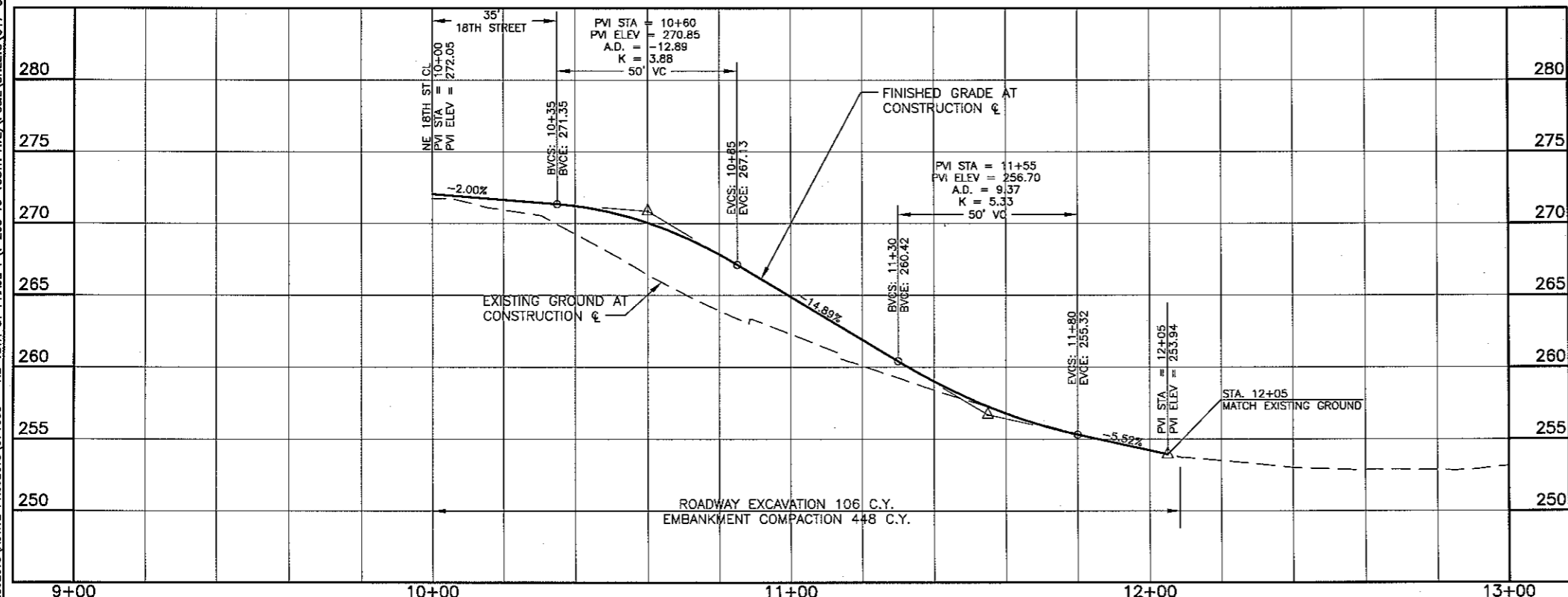
SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS OD1 AND DD4.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET DD4.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET DD1.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-D1A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-D5B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET DD1.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS WD1-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-D1A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS DD1 AND DD4.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET DD2.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.



VANCOUVER
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TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7899

PRELIMINARY
80% PLAN

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
JULY 2010	DJM	DJM	CAJ	MHA
REVISIONS				
NO.	DATE	DESCRIPTION		

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 119TH AVENUE
ROAD PLAN AND PROFILE
STA. 10+00 TO STA. 12+08.44

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C19
SHEET OF

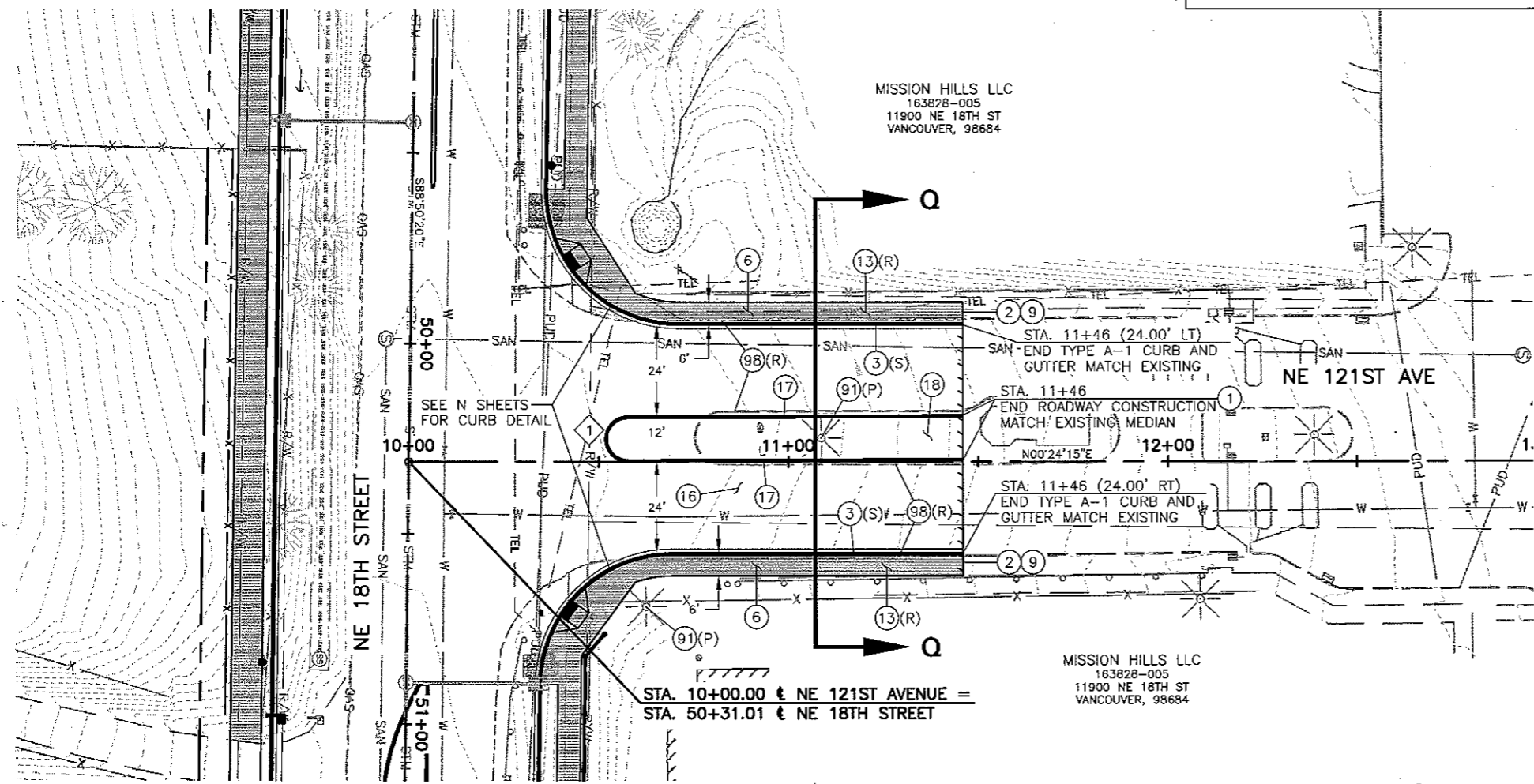
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7/8/2010

SW 1/4 SEC. 22 & NW 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

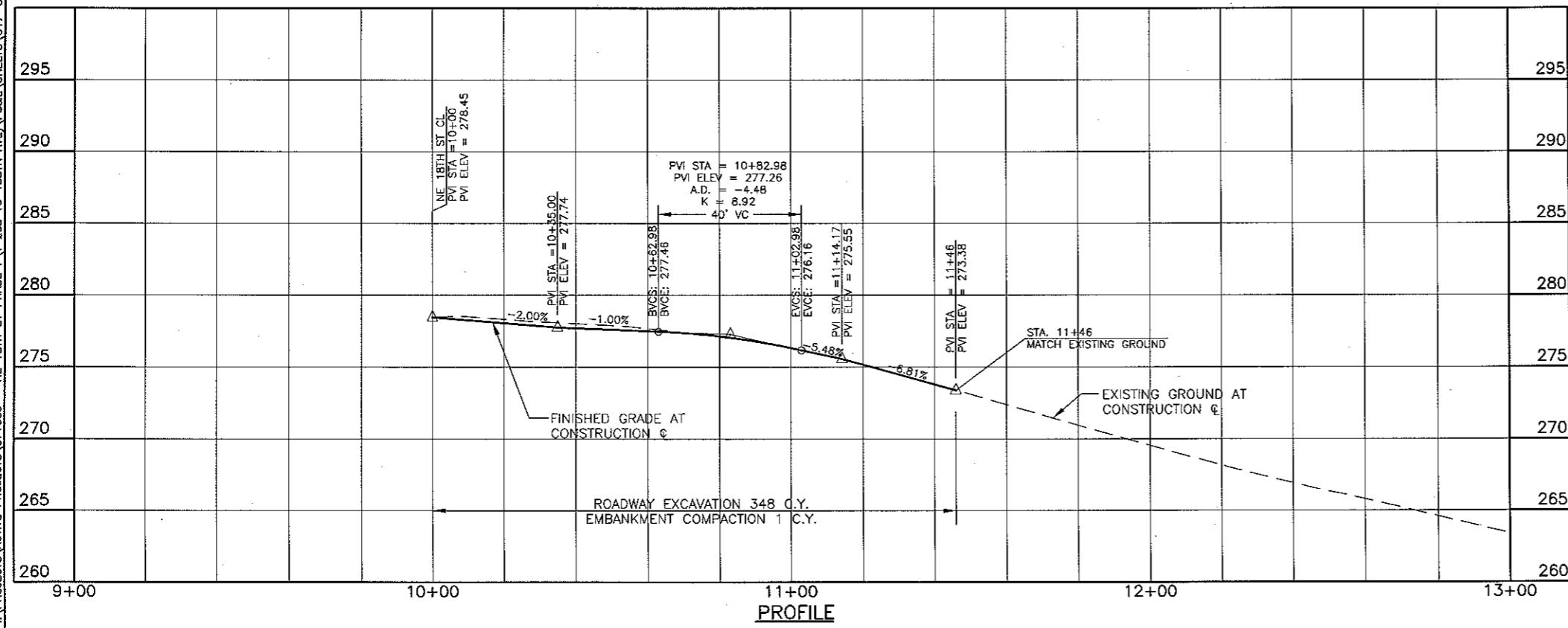
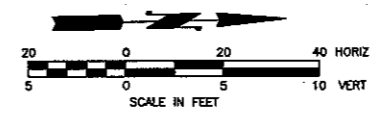
FEDERAL AID NUMBER: **HPP-4254 (004)**



CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	180°0'0"	6.00'	9.80'	18.85'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7699

**PRELIMINARY
90% PLAN**

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	REVISIONS
JULY 2010	BR. DUM	DUM	BR. CAM	BR. MIHA	

DRAWING NUMBER: C17-C27.DWG
SCALE: HORIZONTAL AS SHOWN
VERTICAL: _____

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE**

**NE 121ST AVENUE
ROAD PLAN AND PROFILE
STA. 10+00 TO STA. 11+50**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C20
SHEET OF

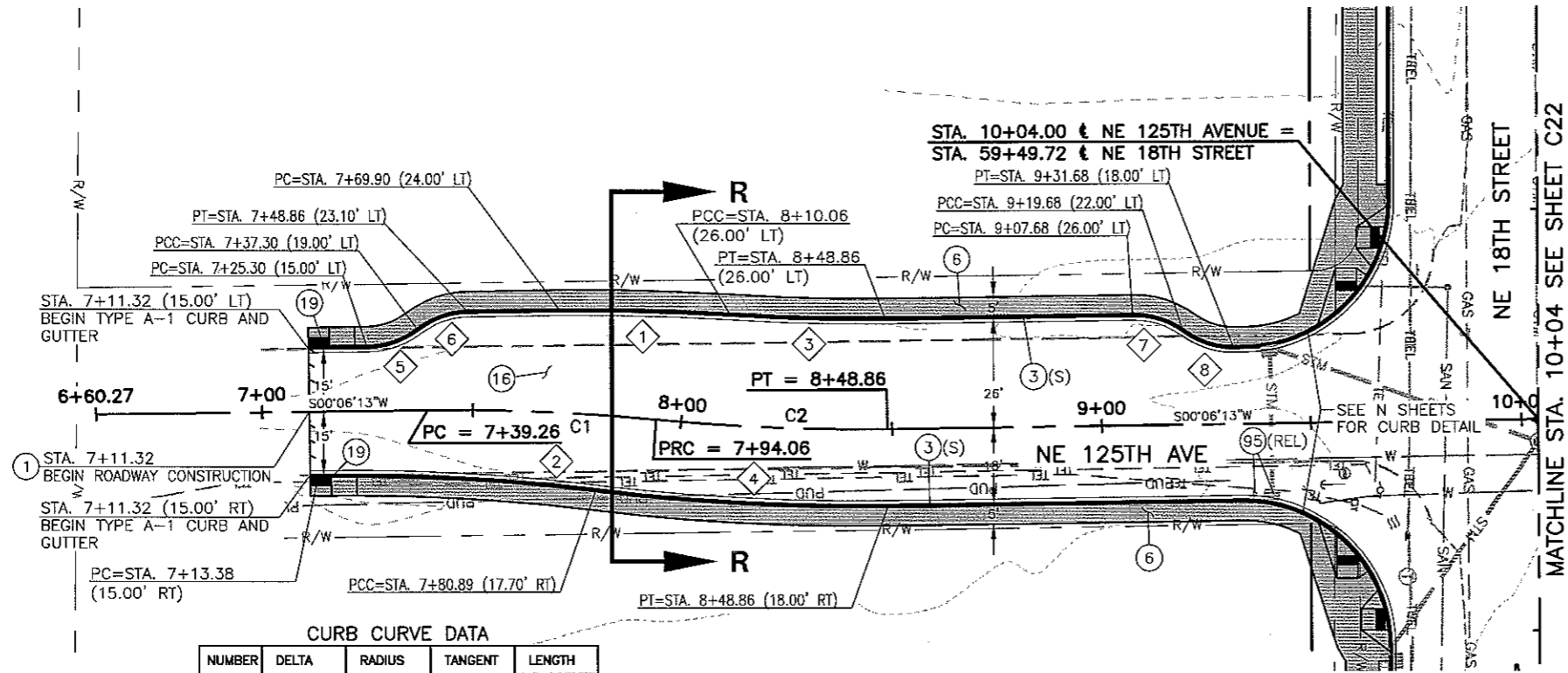
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7/15/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: **HPP-4254 (004)**



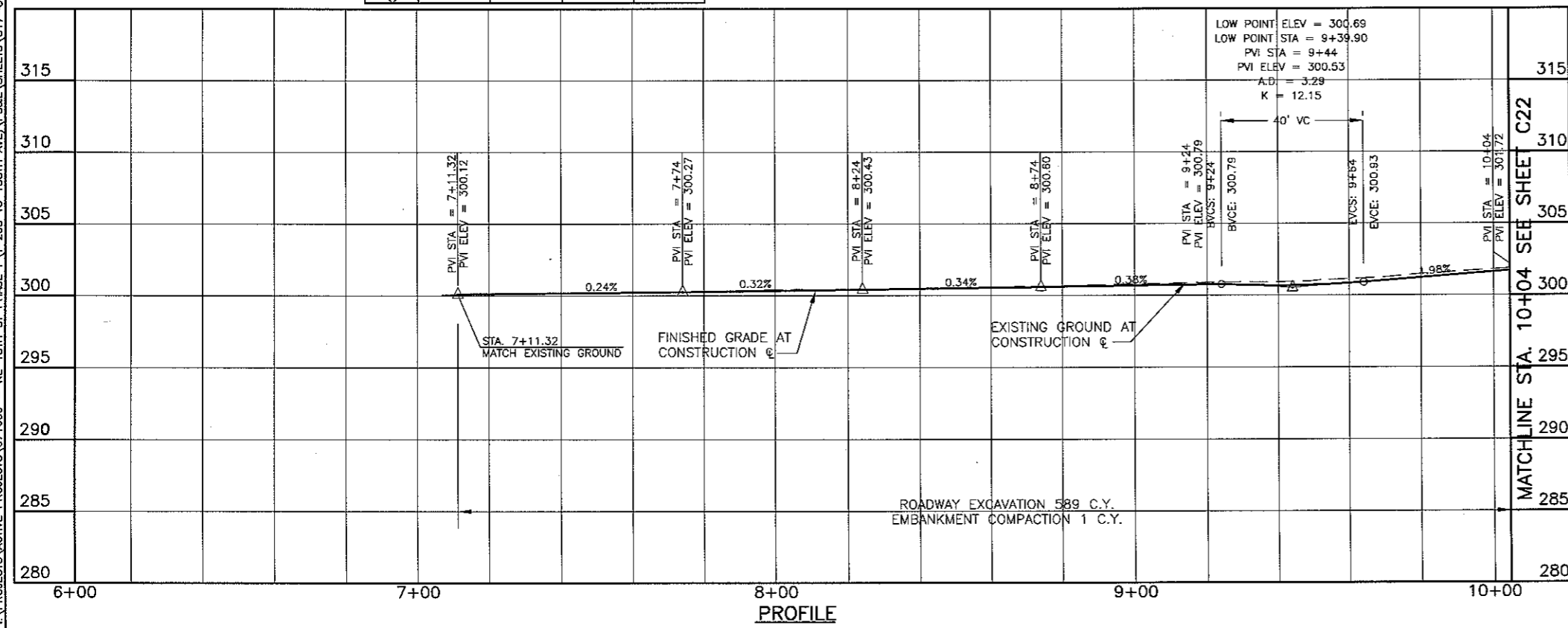
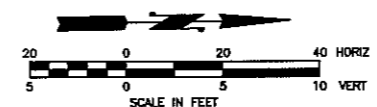
CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	04°26'45"	523.00'	20.30'	40.58'
2	07°49'09"	485.00'	33.15'	66.19'
3	04°26'45"	474.00'	18.40'	36.78'
4	07°41'03"	518.00'	34.79'	69.47'
5	36°52'12"	20.00'	6.67'	12.87'
6	36°52'12"	20.00'	6.67'	12.87'
7	36°52'12"	20.00'	6.67'	12.87'
8	36°52'12"	20.00'	6.67'	12.87'

CENTERLINE CURVE DATA

NUMBER	DELTA	ANGLE	RADIUS	LENGTH	TANGENT
C1	06°16'46"		500.00'	54.80'	27.43'
C2	06°16'46"		500.00'	54.80'	27.43'

PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - 14 MATCH EXISTING DRIVEWAY.
 - 15 CONSTRUCT POWERLINE TRAIL SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - 16 CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - 20 LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL TD1-01 ON SHEET D02.
 - 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS
- 80 PROTECT EXISTING MONUMENT.
 - 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - 89 PROTECT EXISTING MONUMENT.
 - 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - 92 PROTECT EXISTING RIPRAP.
 - 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - 94 REMOVE EXISTING CONCRETE BARRIER.
 - 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - 96 EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.



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TRANSPORTATION
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360-487-7898

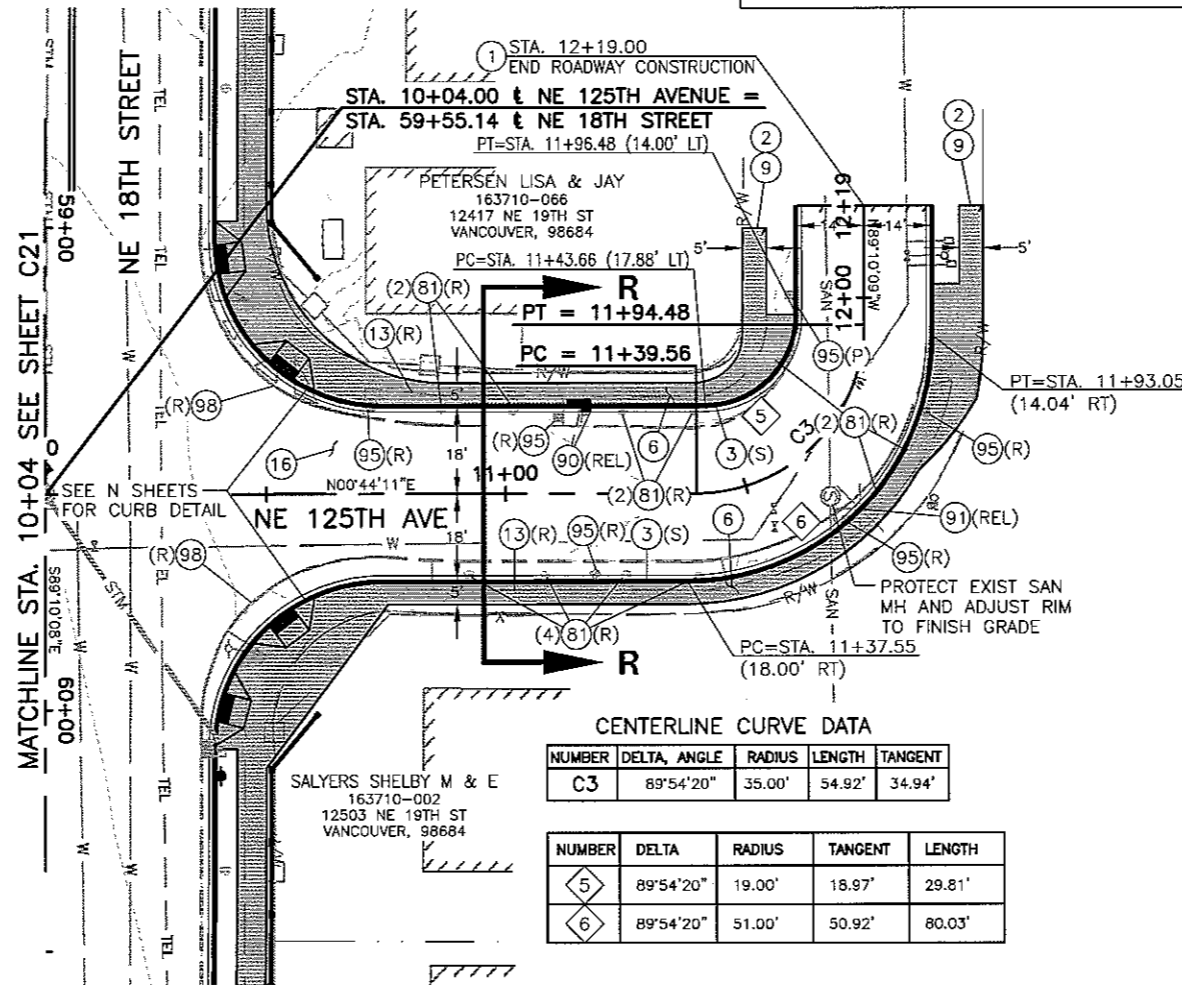
**PRELIMINARY
90% PLAN**

DATE: JULY 2010	DESIGNED BY: DJM
DRAWN BY: DJM	CHECKED BY: CAM
APPROVED BY: MHA	REVISIONS
SCALE	HORIZONTAL: AS SHOWN
	VERTICAL:
DATE	No.

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 125TH AVENUE
ROAD PLAN AND PROFILE
STA. 7+11.23 TO STA. 10+04**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C21
SHEET OF

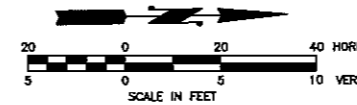
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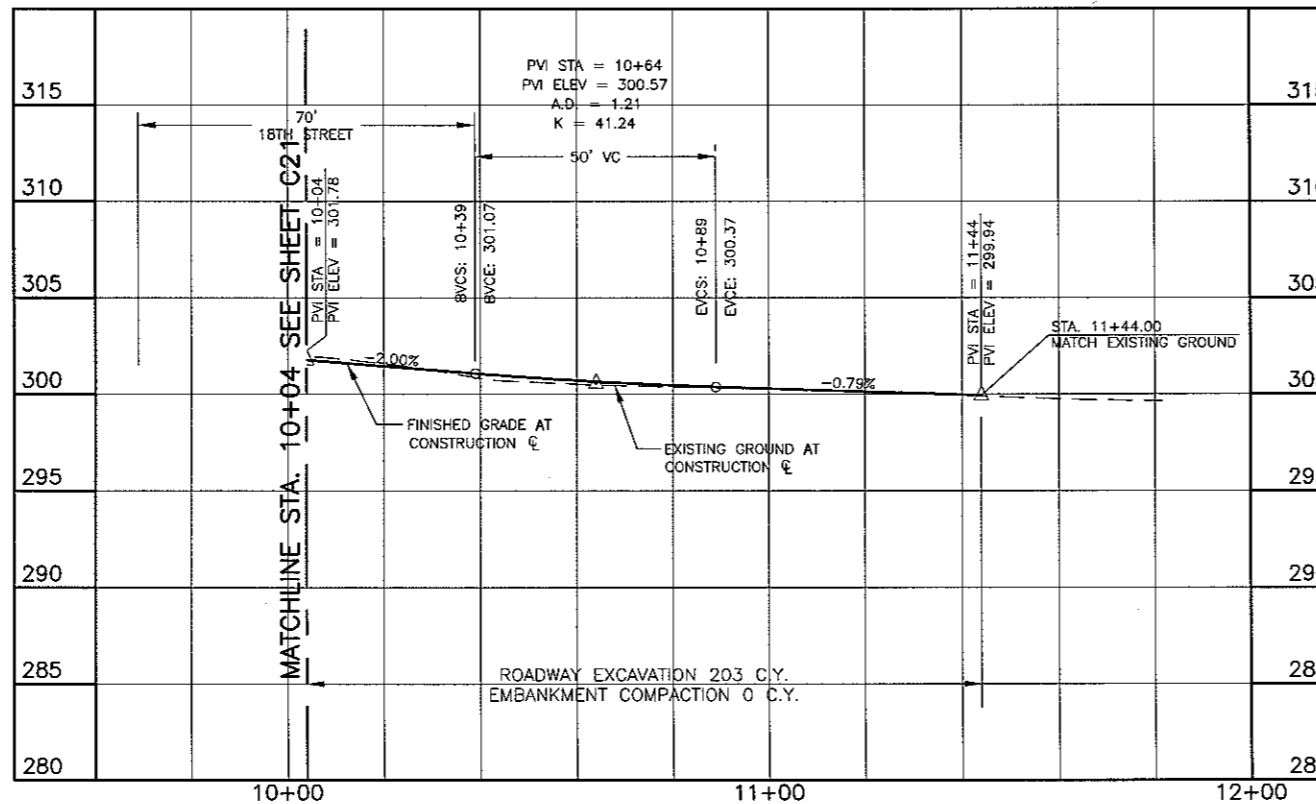
CENTERLINE CURVE DATA

NUMBER	DELTA, ANGLE	RADIUS	LENGTH	TANGENT
C3	89°54'20"	35.00'	54.92'	34.94'

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
5	89°54'20"	19.00'	18.97'	29.81'
6	89°54'20"	51.00'	50.92'	80.03'



PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

- 1 SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
- 2 SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
- 3 CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
- 4 CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
- 5 CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
- 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
- 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
- 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
- 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
- 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
- 11 CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
- 12 CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
- 13 REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
- 14 MATCH EXISTING DRIVEWAY.
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- 17 CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
- 18 CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
- 19 PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
- 20 LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
- 21 CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
- 22 CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
- 23 CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
- 24 CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.

MISCELLANEOUS

- 80 PROTECT EXISTING MONUMENT.
- 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
- 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
- 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
- 86 REMOVE (R) OR PROTECT (P) EXISTING WALL.
- 87 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
- 88 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
- 89 PROTECT EXISTING MONUMENT.
- 90 REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
- 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
- 92 PROTECT EXISTING RIPRAP.
- 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
- 94 REMOVE EXISTING CONCRETE BARRIER.
- 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
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- 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
- 98 PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
- 99 INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.



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P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7700
FAX: 360-487-7899

PRELIMINARY
90% PLAN

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
JULY 2010	DF	DJM	DF	MHA

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 125TH AVENUE
ROAD PLAN AND PROFILE
STA. 10+04 TO STA. 12+19

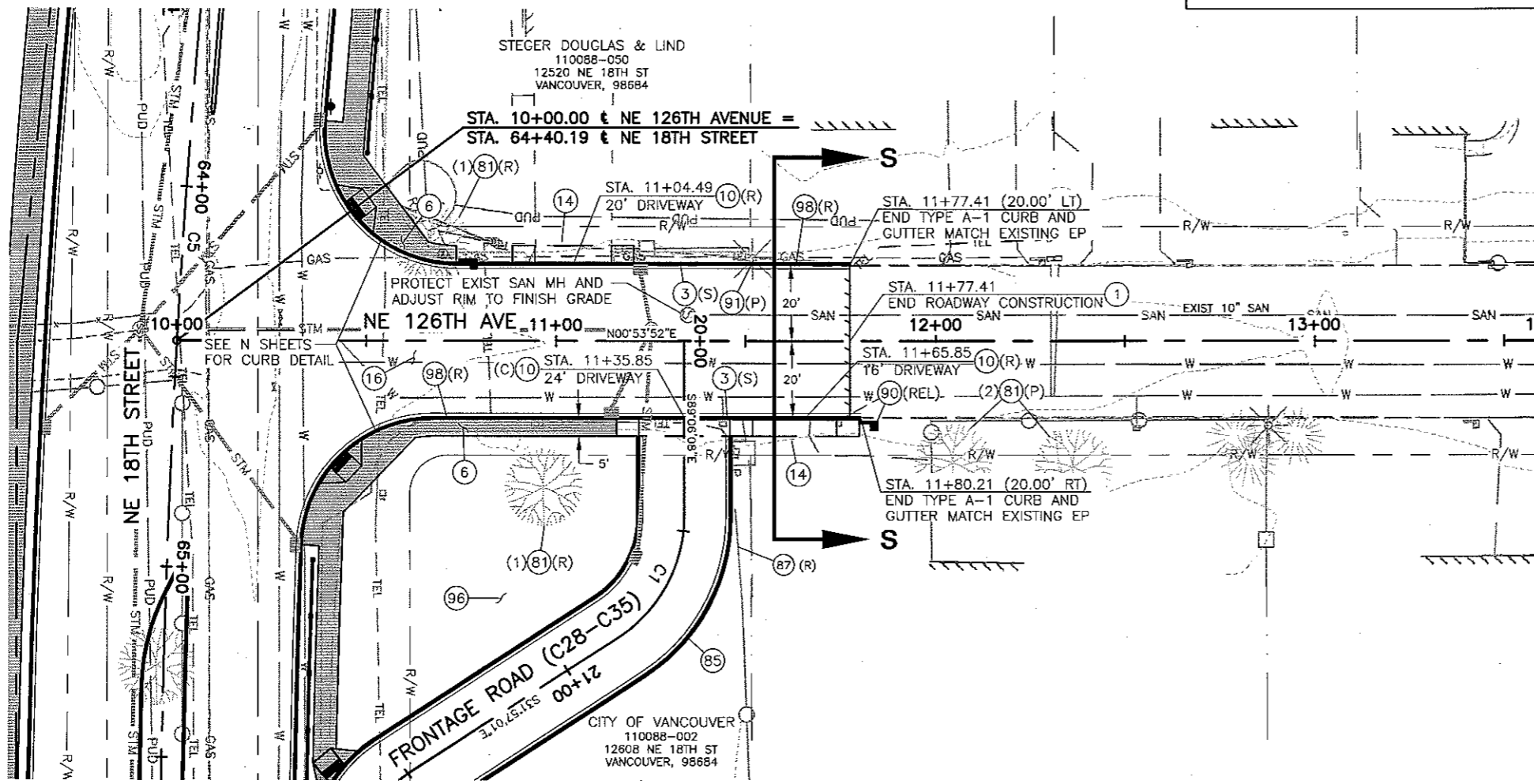
PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C22

7/8/2010

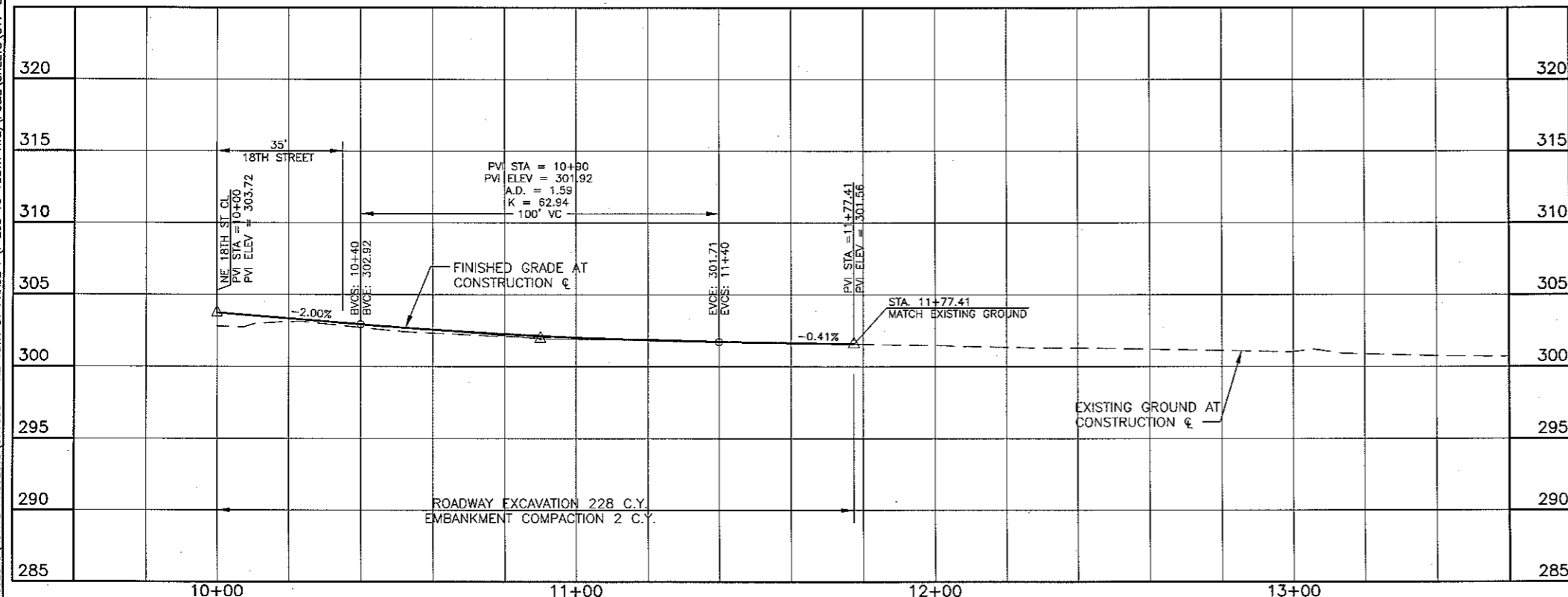
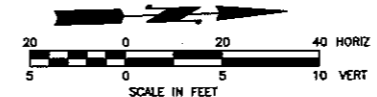
SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
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 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
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 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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DEPARTMENT OF
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-2700
FAX: 360-487-7689

PRELIMINARY
90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAM
APPROVED BY:	MHA
REVISIONS:	
SCALE:	HORIZONTAL AS SHOWN
VERTICAL:	
DATE:	
NO.:	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 126TH AVENUE
ROAD PLAN AND PROFILE
STA. 10+00 TO STA. 11+80.21

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C23

SHEET OF

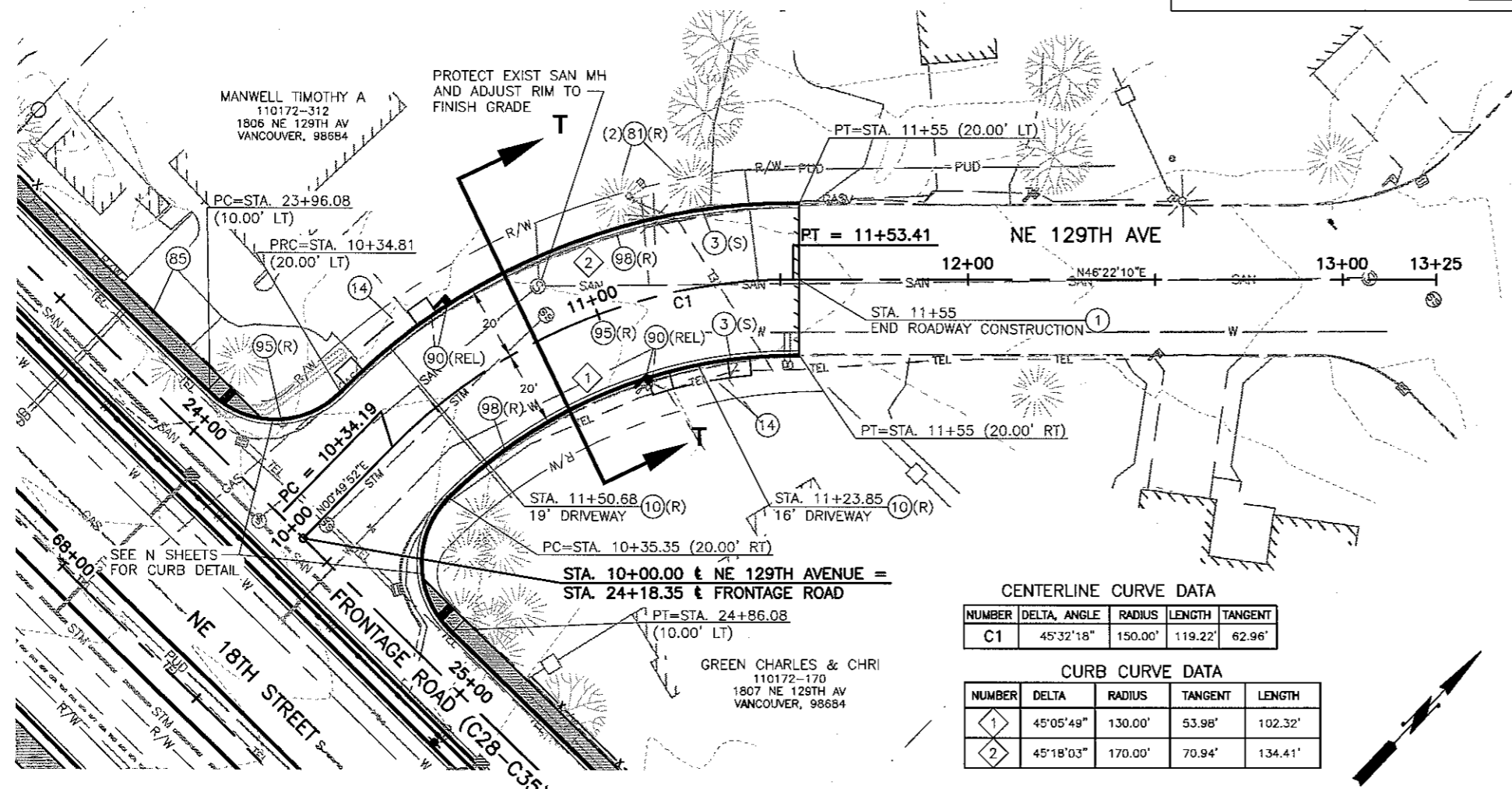
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7/15/2010

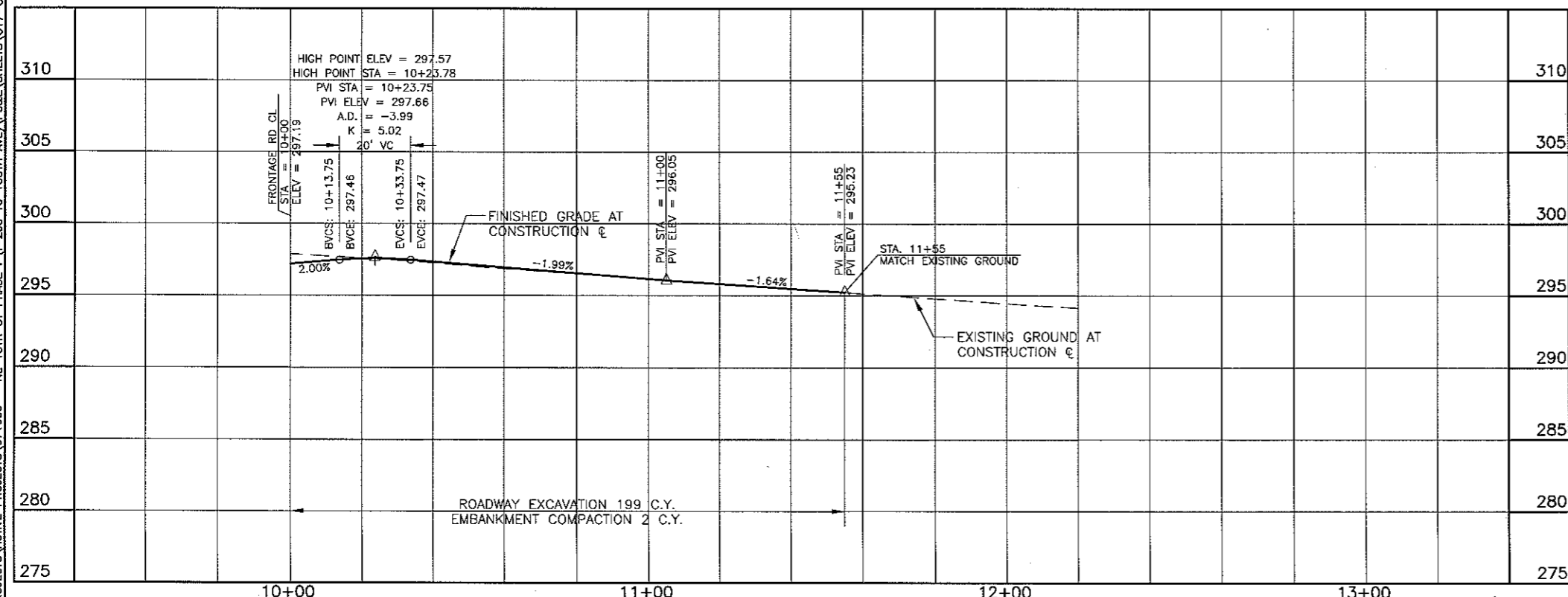
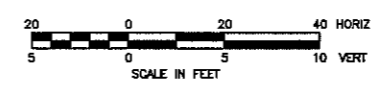
SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: **HPP-4254 (004)**



PLAN



CONSTRUCTION NOTES:

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 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
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 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
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 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
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P.O. BOX 1995
VANCOUVER, WA
98668-1995
900-487-2700
FAX: 900-487-7989

**PRELIMINARY
90% PLAN**

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	REVISIONS
JULY 2010	DJM	DJM	CAM	BR/MHA	

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 129TH AVENUE
ROAD PLAN AND PROFILE
STA. 10+00 TO STA. 11+55**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C24

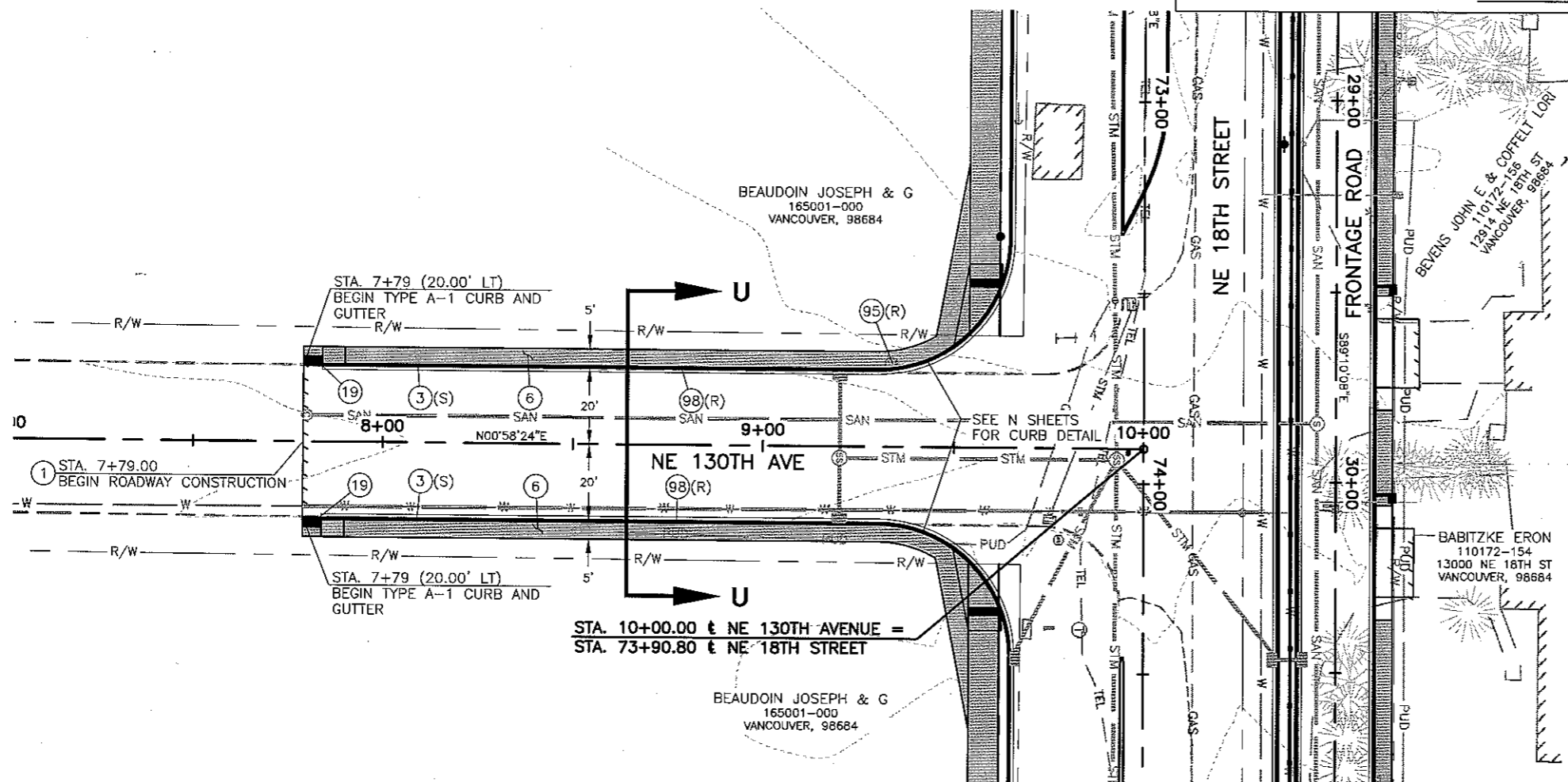
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7/9/2010

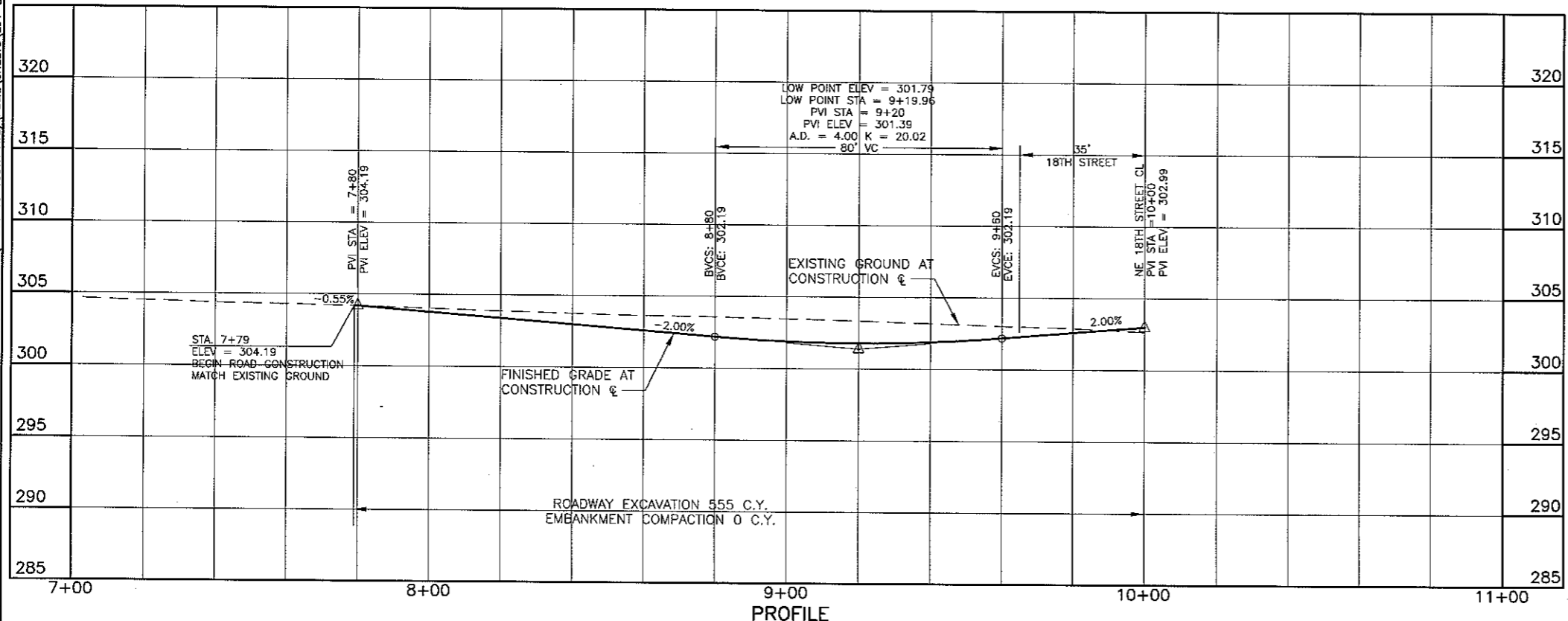
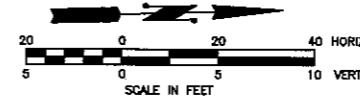
SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



PLAN



PROFILE

CONSTRUCTION NOTES:

GENERAL NOTES

SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.

STREET CONSTRUCTION NOTES

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- 6 CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
- 7 CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
- 8 CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
- 9 MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
- 10 CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
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MISCELLANEOUS

- 80 PROTECT EXISTING MONUMENT.
- 81 REMOVE (R) OR PROTECT (P) EXISTING TREE.
- 82 REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
- 83 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
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- 91 REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
- 92 PROTECT EXISTING RIPRAP.
- 93 REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
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- 95 REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
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- 97 PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
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VANCOUVER DEPARTMENT OF TRANSPORTATION P.O. BOX 1995 VANCOUVER, WA 98668-1995 360-487-7700 360-487-7899

PRELIMINARY 90% PLAN

DATE: JULY 2010
DESIGNED BY: DJM
DRAWN BY: DJM
CHECKED BY: CAM
APPROVED BY: MHA

SCALE
HORIZONTAL: AS SHOWN
VERTICAL: No. DATE: REVISIONS

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE 130TH AVENUE
ROAD PLAN AND PROFILE
STA. 7+79 TO STA. 10+00

PROJECT NUMBER 071609
TASK NUMBER 06.10.00
C25

SHEET OF

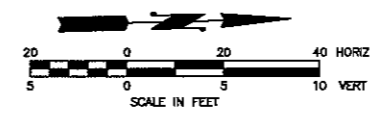
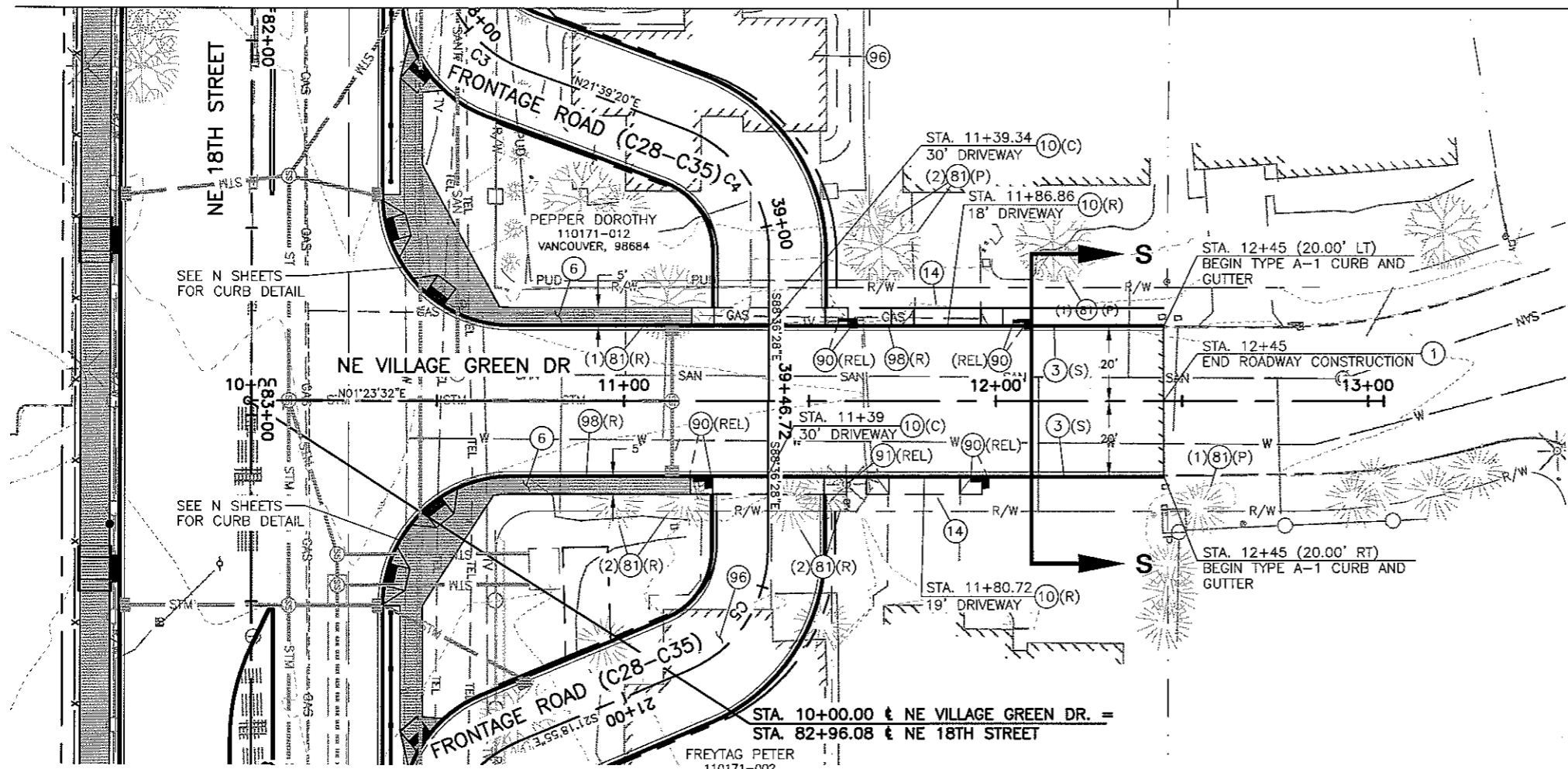
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7/8/2010

SW 1/4 SEC. 23 & NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

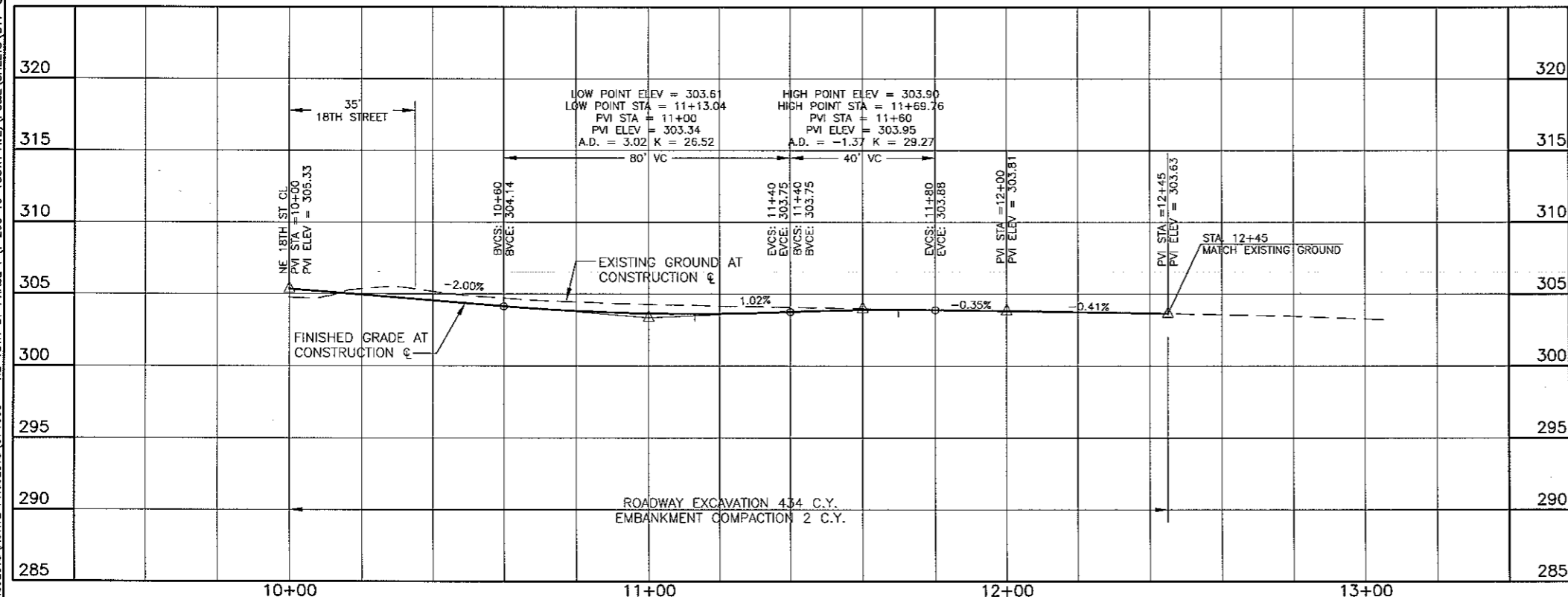
FEDERAL AID NUMBER: HPP-4254 (004)



CONSTRUCTION NOTES:

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SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
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PROJECTS/ACTIVE PROJECTS/071609 - NE 18TH ST. PHASE I (1-208 TO 138TH AVE) PS&E SHEETS/C17-C27.DWG



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VANCOUVER DEPARTMENT OF TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA 98668-1995
360-487-7700
FAX: 360-487-7698

PRELIMINARY 90% PLAN

DATE:	JULY 2010	
DESIGNED BY:	DJM	
DRAWN BY:	DJM	
CHECKED BY:	CAM	
APPROVED BY:	MHA	
REVISIONS:		
DATE	NO.	DESCRIPTION

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
NE VILLAGE GREEN DRIVE
ROAD PLAN AND PROFILE
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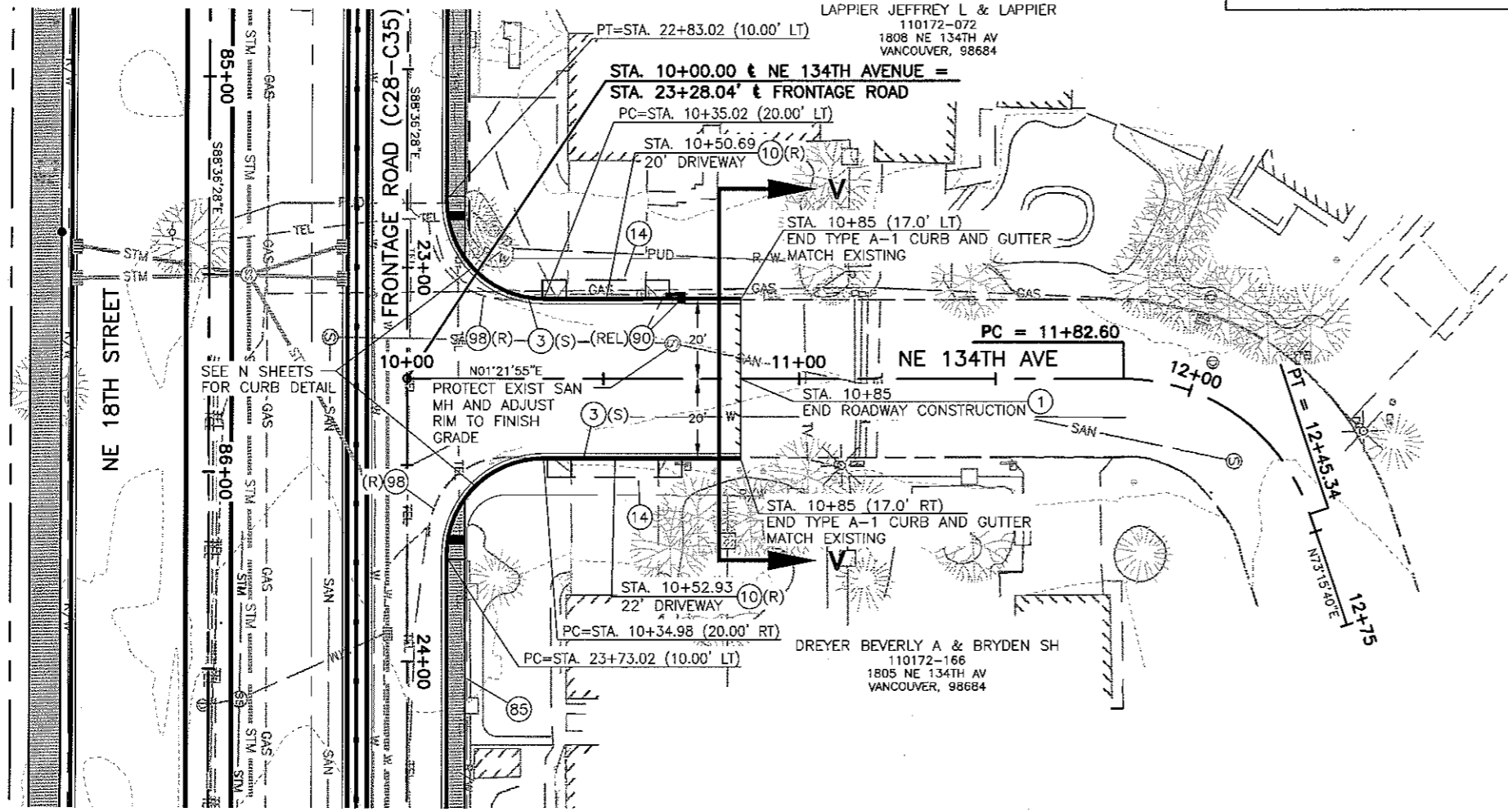
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TASK NUMBER: **06.10.00**
SHEET: **C26** OF

7/8/2010

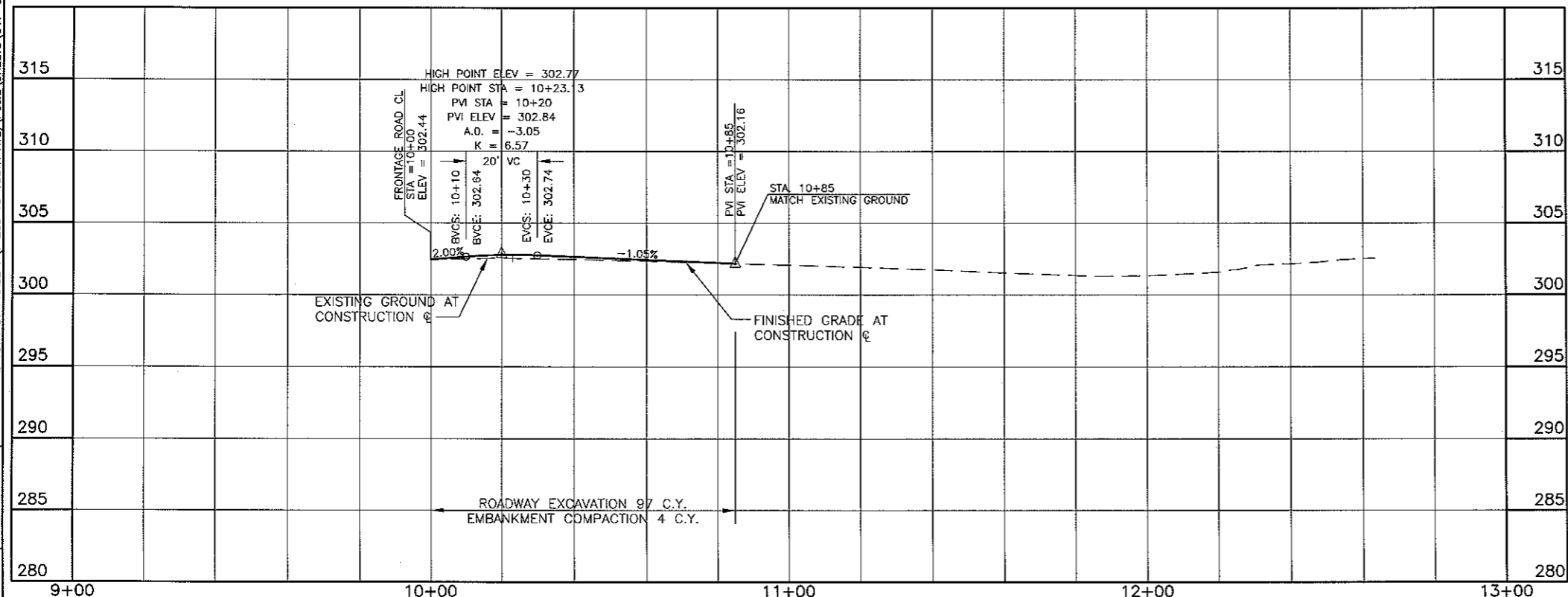
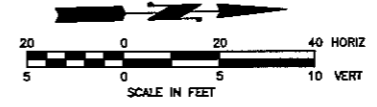
SW 1/4 SEC. 23 & NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



PLAN



PROFILE

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 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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 VANCOUVER, WA
 98668-1995
 360-487-7700
 FAX: 360-487-7698

PRELIMINARY
 90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAM
APPROVED BY:	MHA
REVISIONS:	

NE 18TH STREET IMPROVEMENTS
 NE FOUR SEASONS LN TO NE 138TH AVE
 NE 134TH AVENUE
 ROAD PLAN AND PROFILE
 STA. 10+00 TO STA. 10+85

PROJECT NUMBER
071609
 TASK NUMBER
06.10.00
C27
 SHEET OF

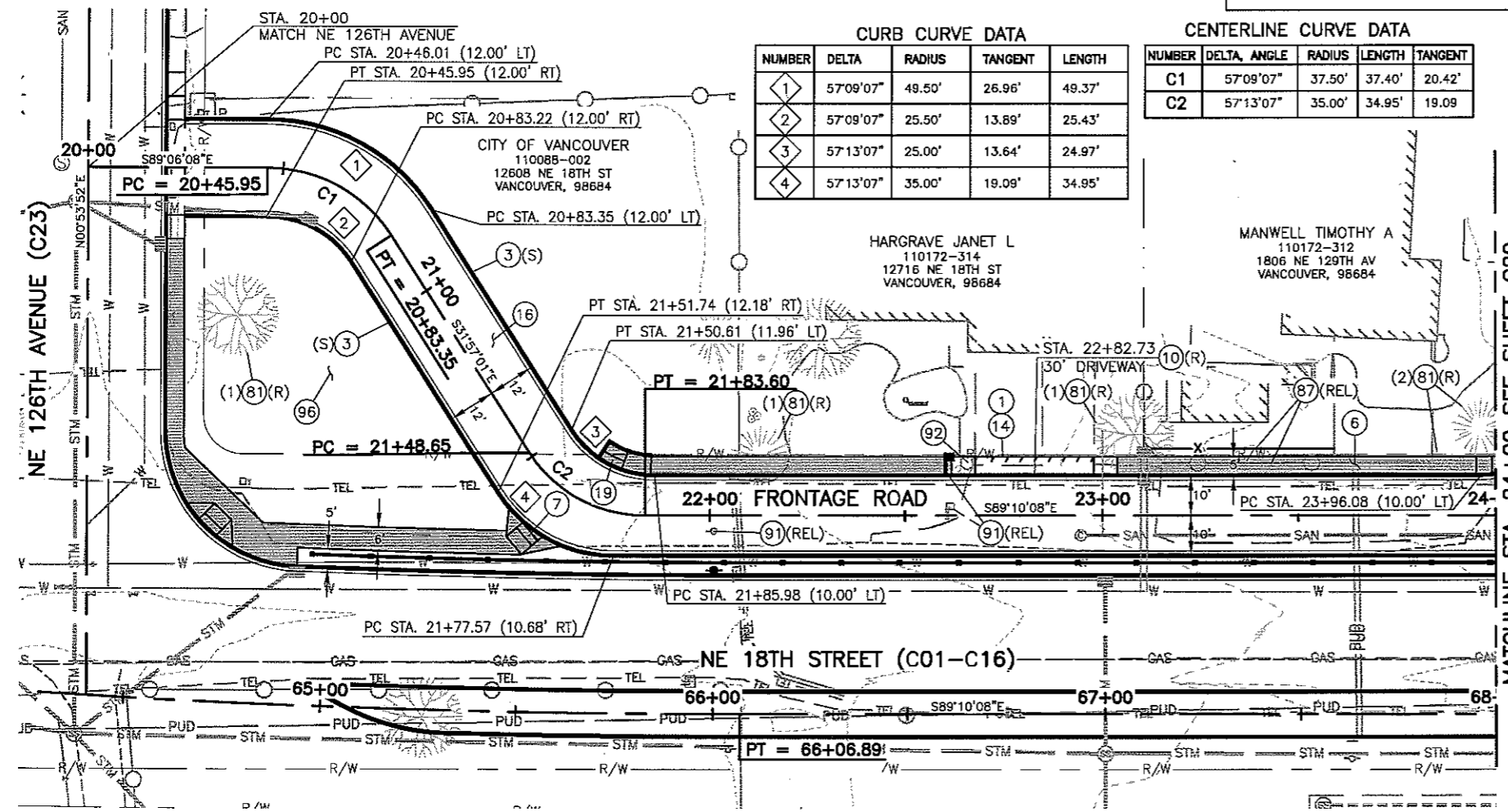
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7/9/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: _____

FEDERAL AID NUMBER: **HPP-4254 (004)**



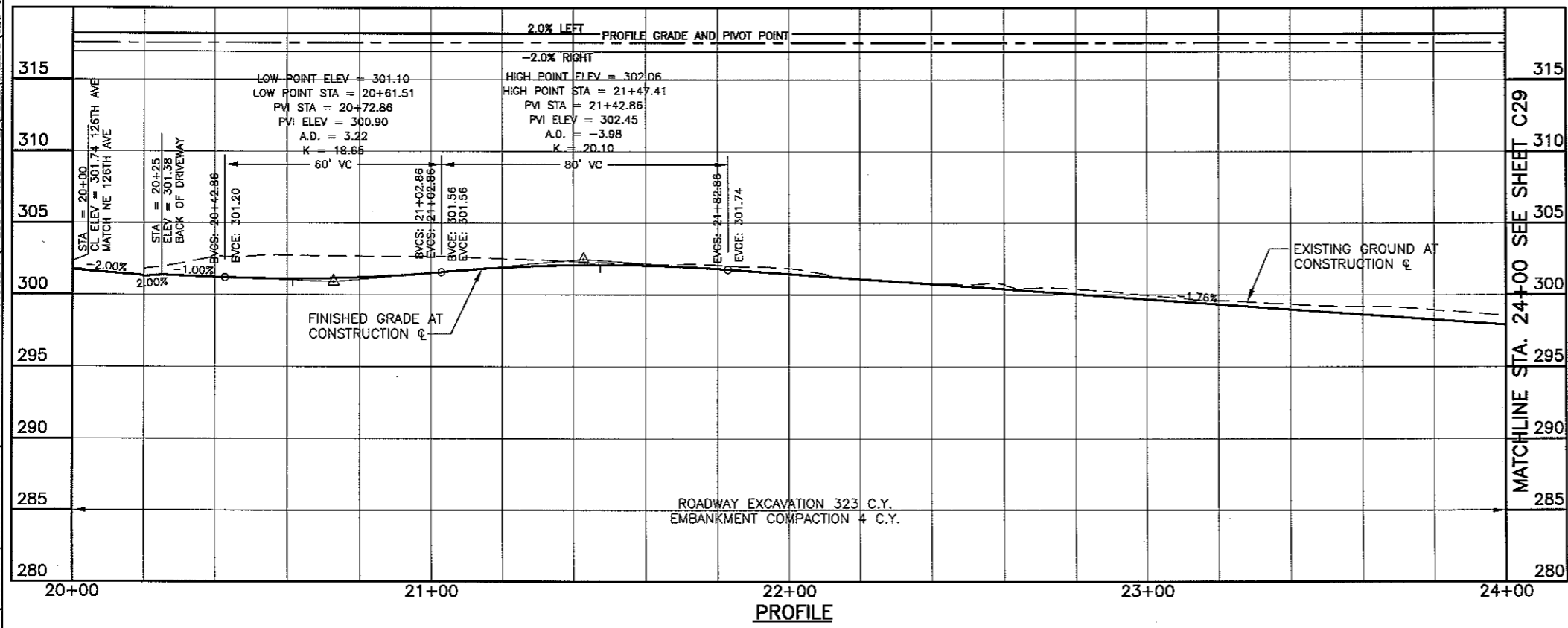
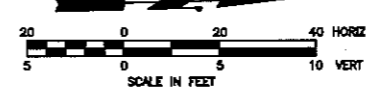
CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	57°09'07"	49.50'	26.96'	49.37'
2	57°09'07"	25.50'	13.89'	25.43'
3	57°13'07"	25.00'	13.64'	24.97'
4	57°13'07"	35.00'	19.09'	34.95'

CENTERLINE CURVE DATA

NUMBER	DELTA	ANGLE	RADIUS	LENGTH	TANGENT
C1	57°09'07"		37.50'	37.40'	20.42'
C2	57°13'07"		35.00'	34.95'	19.09'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL TD2-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET DD2.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS WD1-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-D1A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL TD2-D7B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL TD2-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
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 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
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 - PROTECT EXISTING MONUMENT.
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 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
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 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-LDB FOR DETAILS.

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360-487-7700
FAX: 360-487-7689

**PRELIMINARY
90% PLAN**

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	REVISIONS
JULY 2010					

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
FRONTAGE ROAD
ROAD PLAN AND PROFILE
STA. 20+00 TO STA. 24+00**

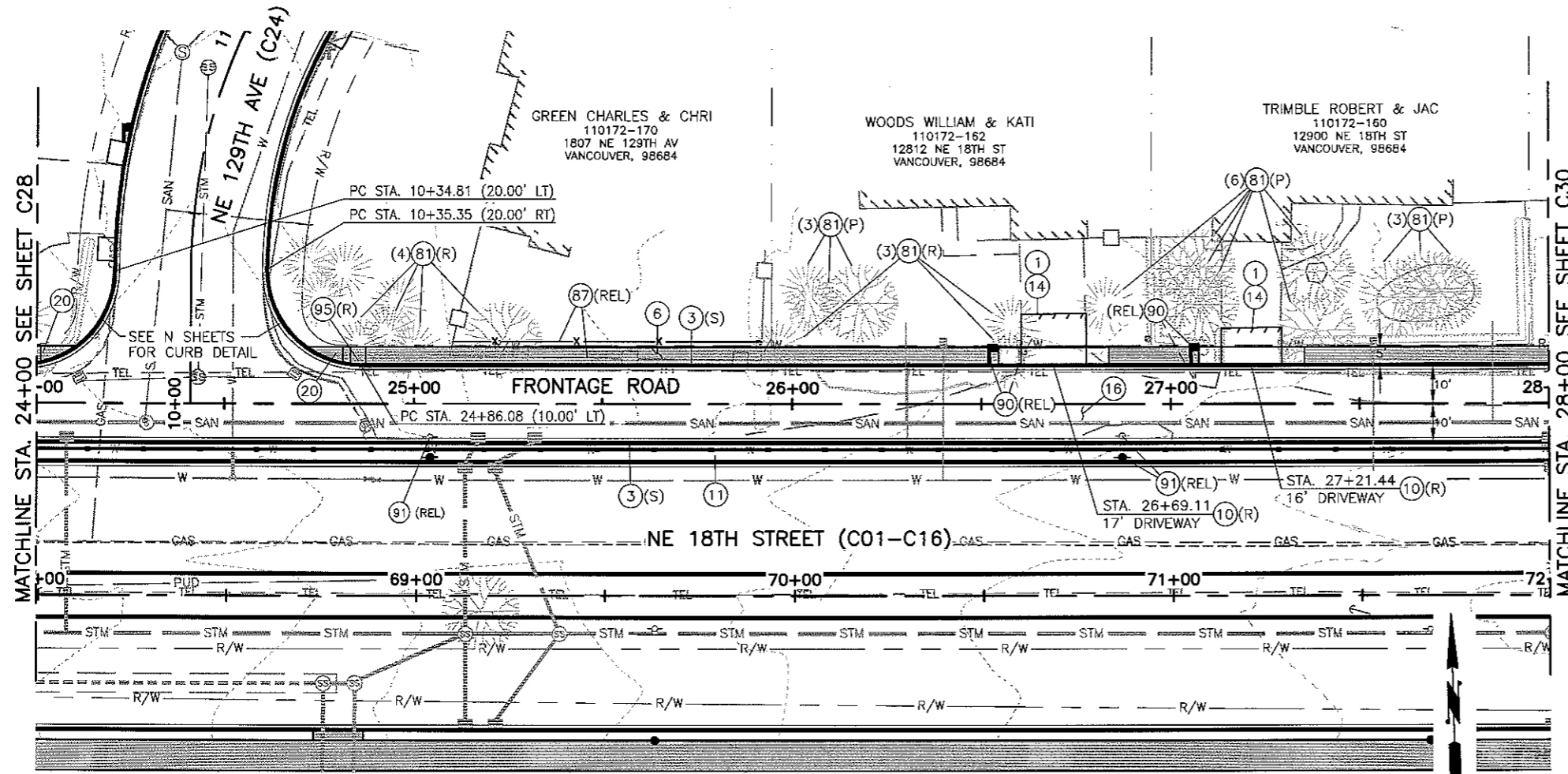
PROJECT NUMBER
071609
TASK NUMBER
08.10.00
C28
SHEET OF

7/9/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



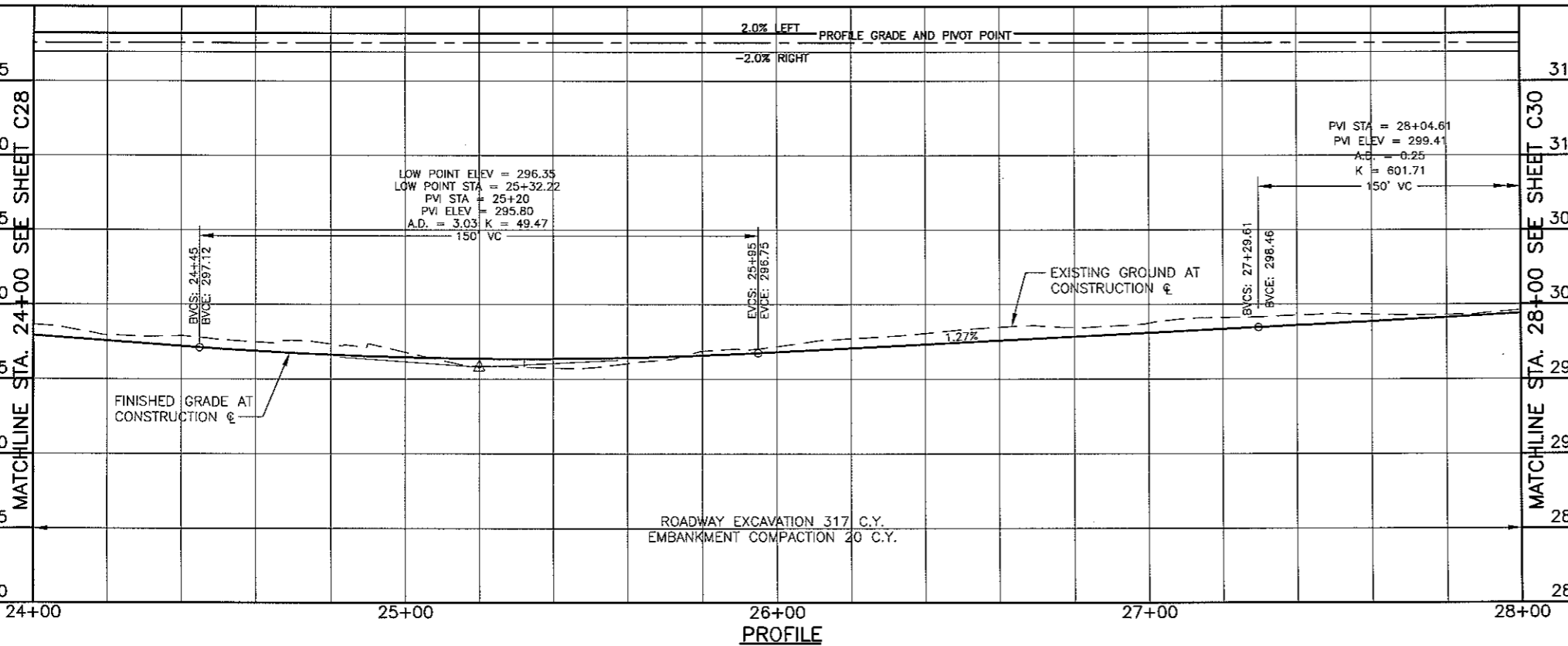
PLAN



CONSTRUCTION NOTES:

- GENERAL NOTES
 SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
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 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
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 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
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- MISCELLANEOUS
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 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
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 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
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 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
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 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST BASE L (1-2010 TO 138TH AVE) ES&E SHEETS C28-C35.DWG



PROFILE

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 360-487-7700
 FAX: 360-487-7699

PRELIMINARY
 90% PLAN

DATE	JULY 2010
DESIGNED BY	DJM
DRAWN BY	DJM
CHECKED BY	CAM
APPROVED BY	MHA
REVISIONS	
SCALE	HORIZONTAL AS SHOWN
VERTICAL	
DATE	
NO.	

NE 18TH STREET IMPROVEMENTS
 NE FOUR SEASONS LN TO NE 138TH AVE
 FRONTAGE ROAD
 ROAD PLAN AND PROFILE
 STA. 24+00 TO STA. 28+00

PROJECT NUMBER
071609
 TASK NUMBER
06.10.00
C29

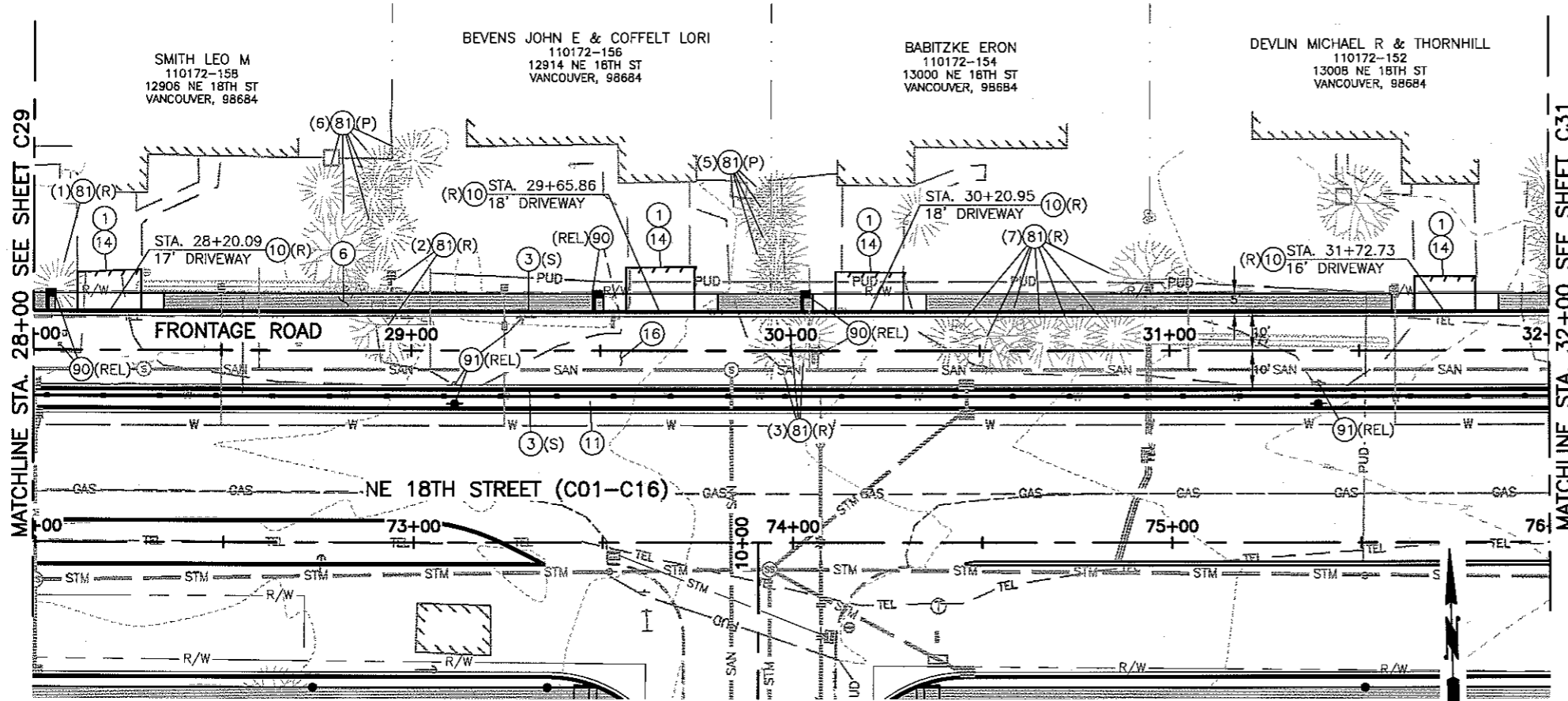
SHEET OF

7/9/2010

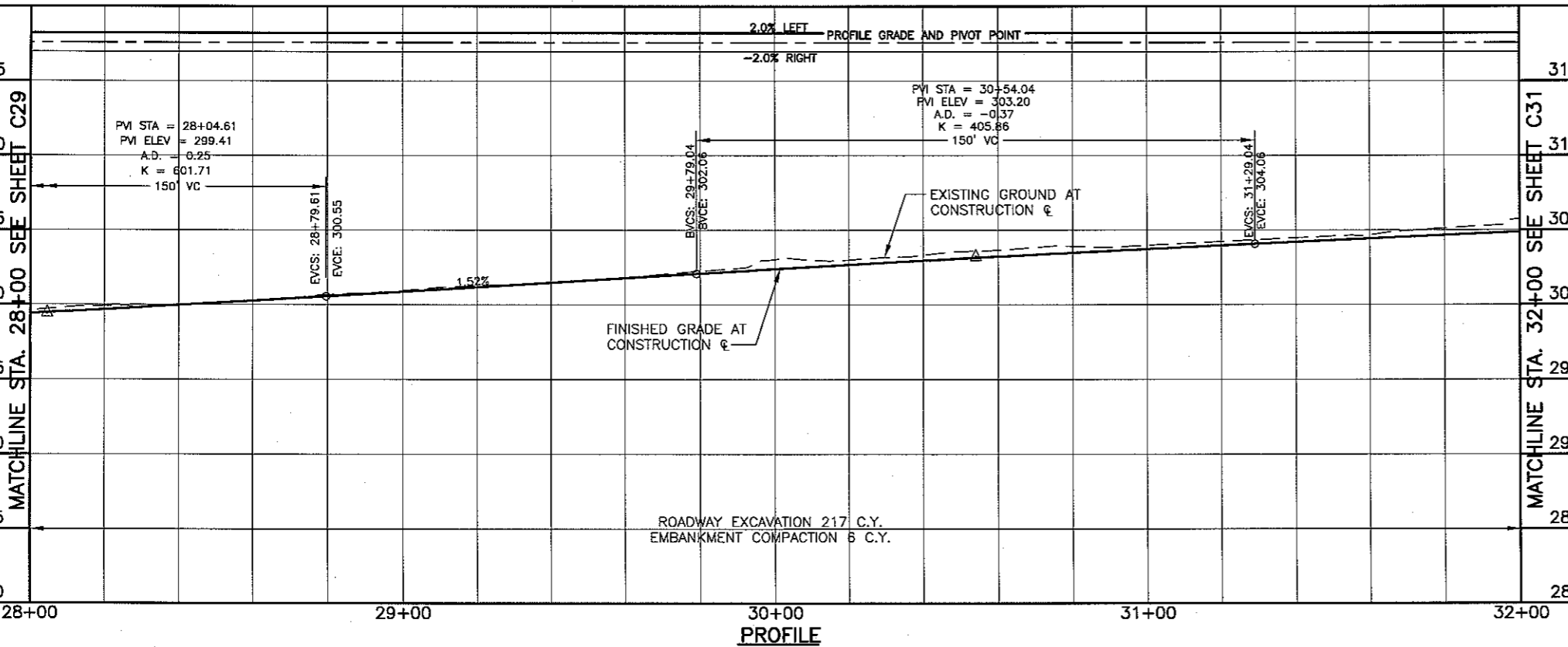
SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
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- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL TD5-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
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 - MATCH EXISTING DRIVEWAY.
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 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL TD2-06C ON SHEET D02.
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98668-1995
360-487-7700
FAX: 360-487-7689

PRELIMINARY
90% PLAN

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAM
APPROVED BY:	MHA
REVISIONS:	
SCALE:	HORIZONTAL AS SHOWN
VERTICAL:	
DATE:	
NO.	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
FRONTAGE ROAD
ROAD PLAN AND PROFILE
STA. 28+00 TO STA. 32+00

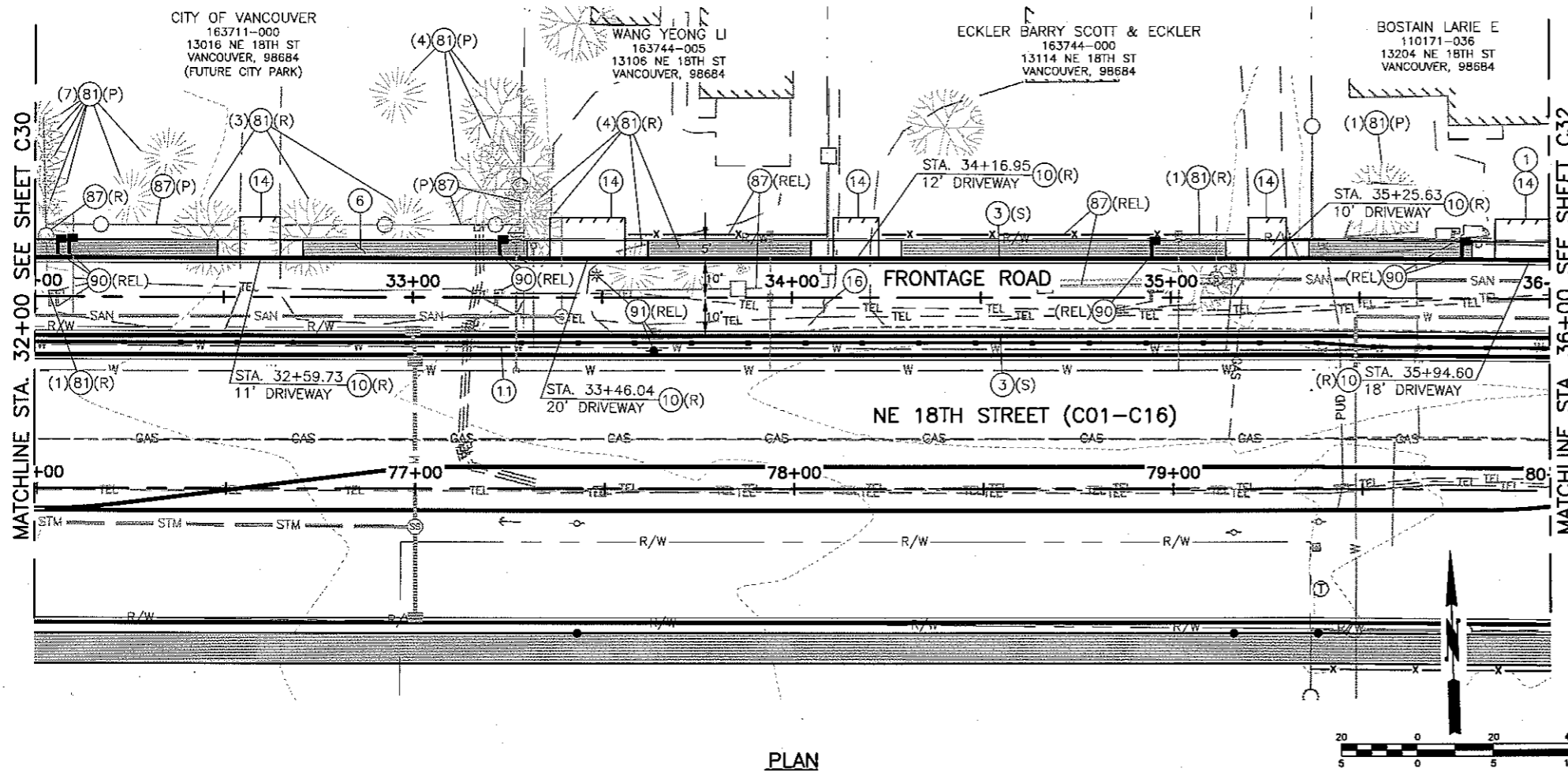
PROJECT NUMBER
071609
TASK NUMBER
09.10.00
C30
SHEET OF

7/9/2010

SE 1/4 SEC. 22 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

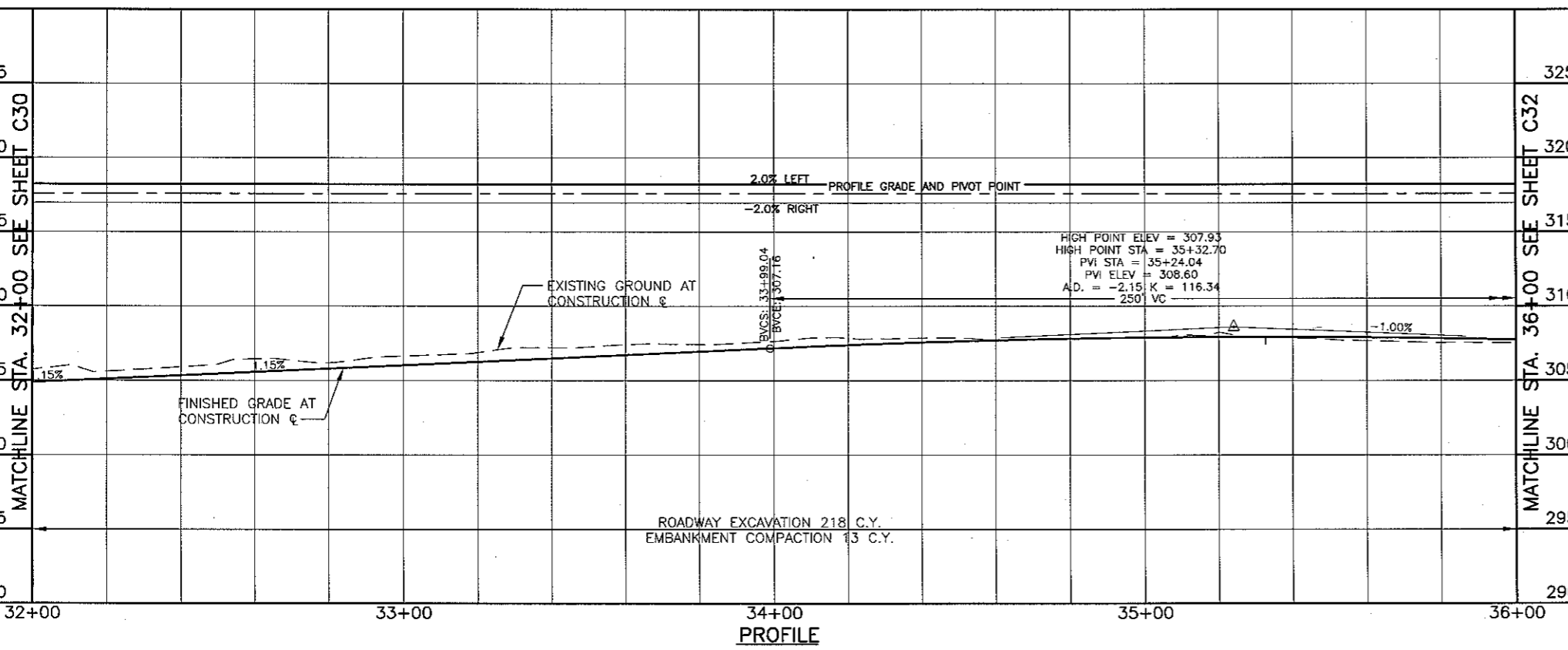
FEDERAL AID NUMBER: HPP-4254 (004)



CONSTRUCTION NOTES:

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 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (1-2010 TO 138TH AVE)\S241 SHEETS\C28-C35.DWG



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 VANCOUVER, WA
 98668-1995
 360-487-7700
 FAX: 360-487-7898

**PRELIMINARY
 90% PLAN**

DATE:	JULY 2010
DESIGNED BY:	DJM
DRAWN BY:	DJM
CHECKED BY:	CAM
APPROVED BY:	MHA
REVISIONS:	
SCALE:	HORIZONTAL AS SHOWN
	VERTICAL

**NE 18TH STREET IMPROVEMENTS
 NE FOUR SEASONS LN TO NE 138TH AVE
 FRONTAGE ROAD
 ROAD PLAN AND PROFILE
 STA. 32+00 TO STA. 36+00**

PROJECT NUMBER
071609
 TASK NUMBER
06-10-00
C31
 SHEET OF

7/9/2010

SE 1/4 SEC. 22 & SW 1/4 SEC. 23 & NW 1/4 SEC. 26 & NE 1/4 SEC. 27, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

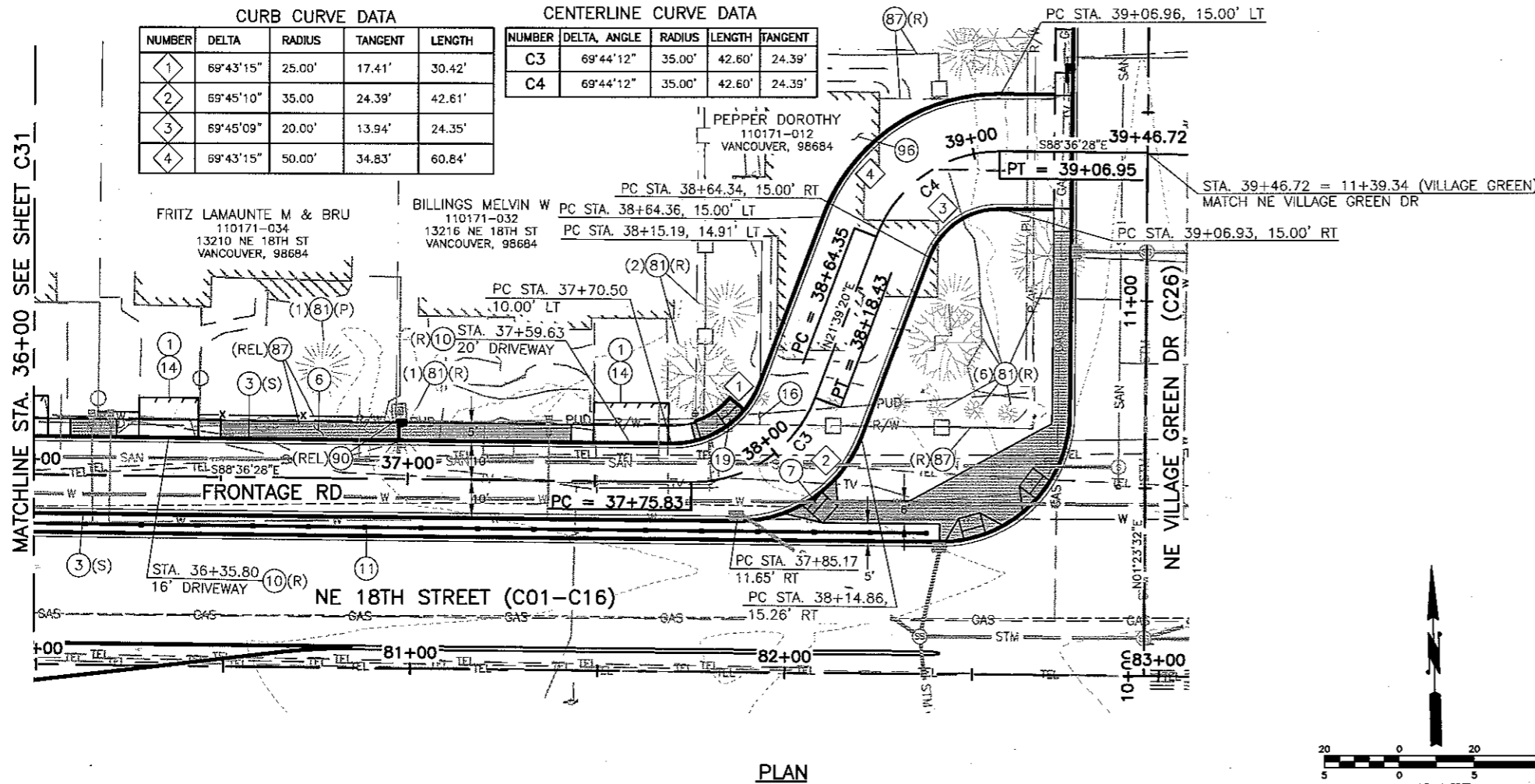
FEDERAL AID NUMBER: HPP-4254 (004)

CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	69°43'15"	25.00'	17.41'	30.42'
2	69°45'10"	35.00'	24.39'	42.61'
3	69°45'09"	20.00'	13.94'	24.35'
4	69°43'15"	50.00'	34.83'	60.84'

CENTERLINE CURVE DATA

NUMBER	DELTA	ANGLE	RADIUS	LENGTH	TANGENT
C3	69°44'12"		35.00'	42.60'	24.39'
C4	69°44'12"		35.00'	42.60'	24.39'



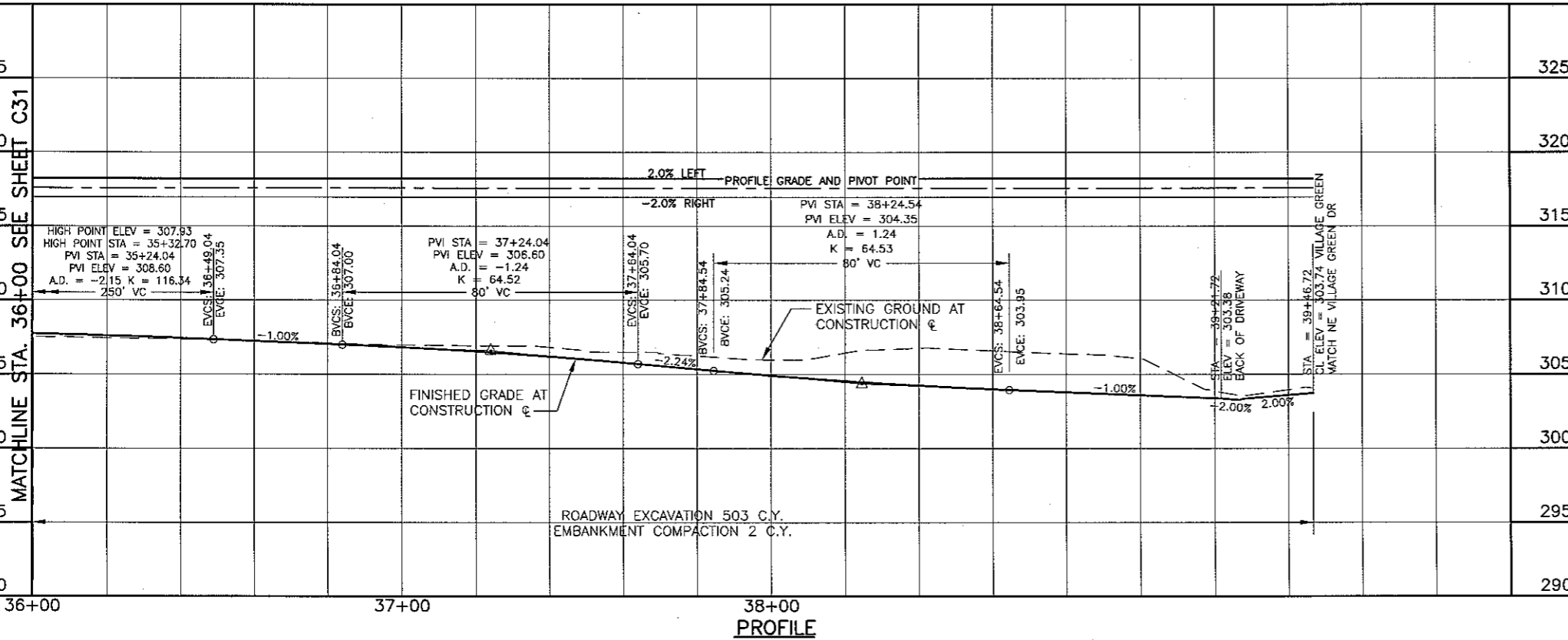
PLAN



CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

PROJECTS ACTIVE PROJECTS 071609 - NE 18TH ST PHASE 1 (L2015 TO 138TH AVE) SHEETS C28-C35.DWG



PROFILE

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98668-1995
360-487-7700
FAX: 360-487-7699

PRELIMINARY
90% PLAN

DATE: JULY 2010	DESIGNED BY: DJM
DRAWN BY: DJM	CHECKED BY: CAM
APPROVED BY: MHA	REVISIONS
SCALE	
HORIZONTAL: AS SHOWN	
VERTICAL:	

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
FRONTAGE ROAD
ROAD PLAN AND PROFILE
STA. 36+00 TO STA. 39+46.72

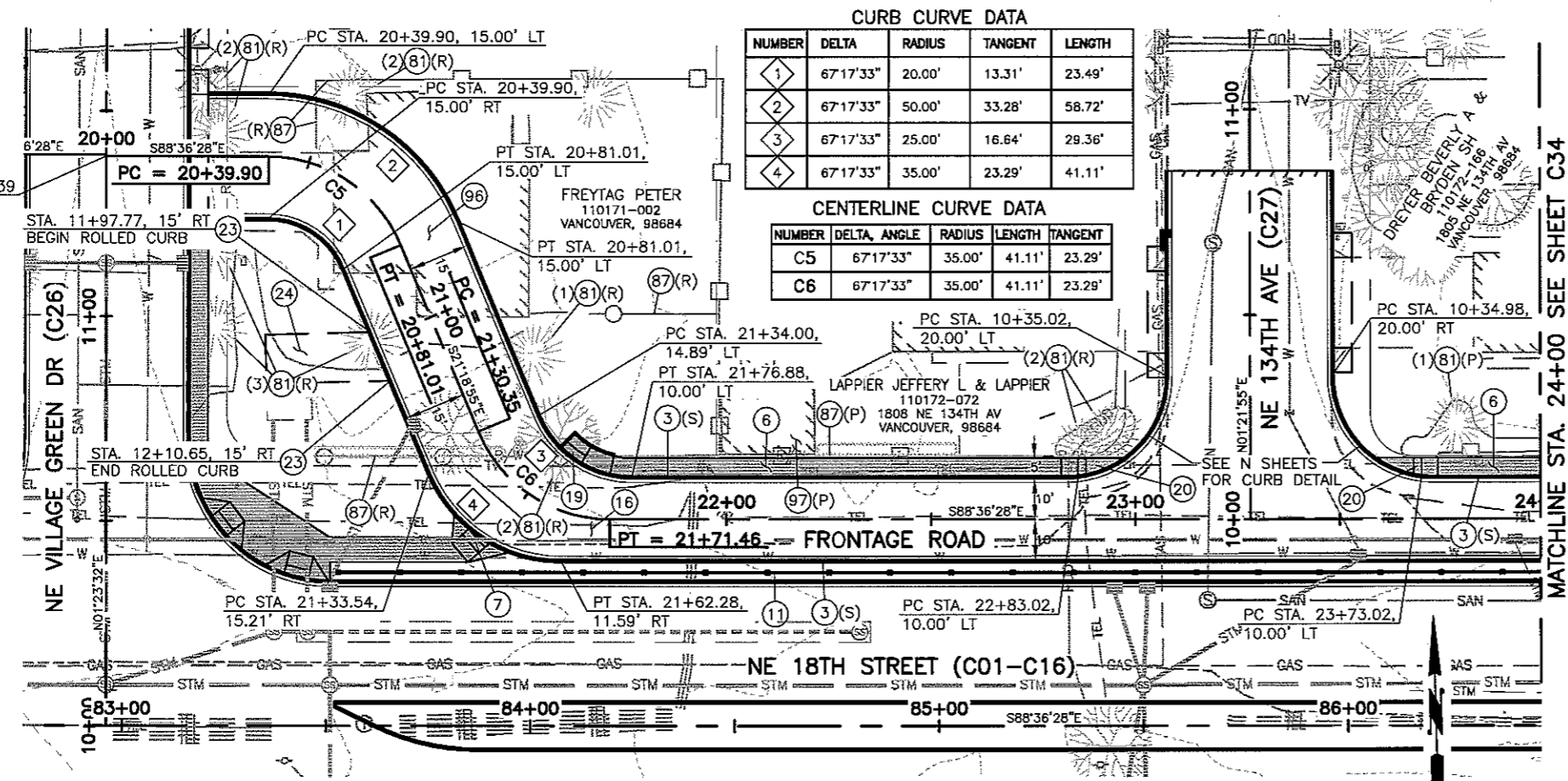
PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C32
SHEET OF

7/9/2010

SW 1/4 SEC. 23 & NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

FEDERAL AID NUMBER: HPP-4254 (004)



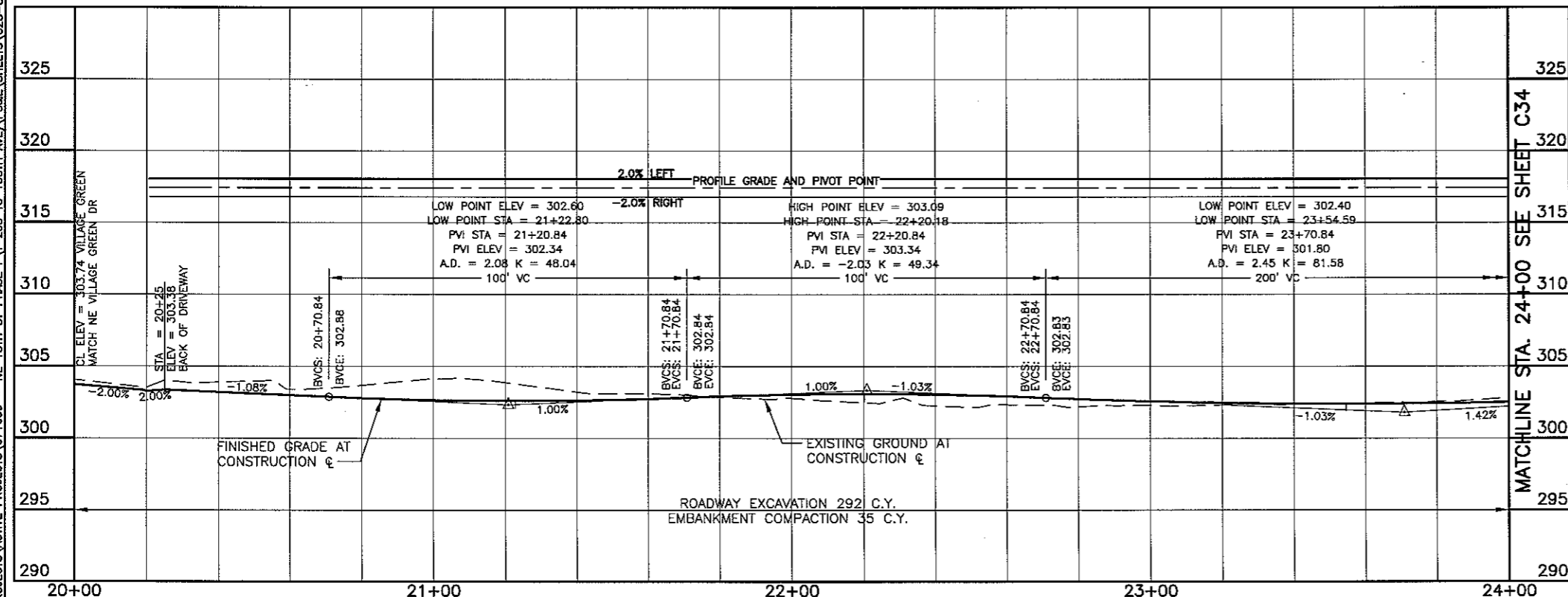
CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	67°17'33"	20.00'	13.31'	23.49'
2	67°17'33"	50.00'	33.28'	58.72'
3	67°17'33"	25.00'	16.64'	29.36'
4	67°17'33"	35.00'	23.29'	41.11'

CENTERLINE CURVE DATA

NUMBER	DELTA, ANGLE	RADIUS	LENGTH	TANGENT
C5	67°17'33"	35.00'	41.11'	23.29'
C6	67°17'33"	35.00'	41.11'	23.29'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL TD5-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL TD2-01A ON SHEET DD1.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-D5B ON SHEET DD2.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-D8 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND PDLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL TD1-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) DR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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360-487-7000
FAX: 360-487-7888

**PRELIMINARY
90% PLAN**

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
JULY 2010	DJM	DJM	DJM	MHA

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
FRONTAGE ROAD
ROAD PLAN AND PROFILE
STA. 20+00 TO STA. 24+00**

PROJECT NUMBER
071609
TASK NUMBER
061000
C333

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (L-205 TO 138TH AVE)\PS&E\SHEETS\C28-C35.DWG

7/9/2010

SW 1/4 SEC. 23 & NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER:

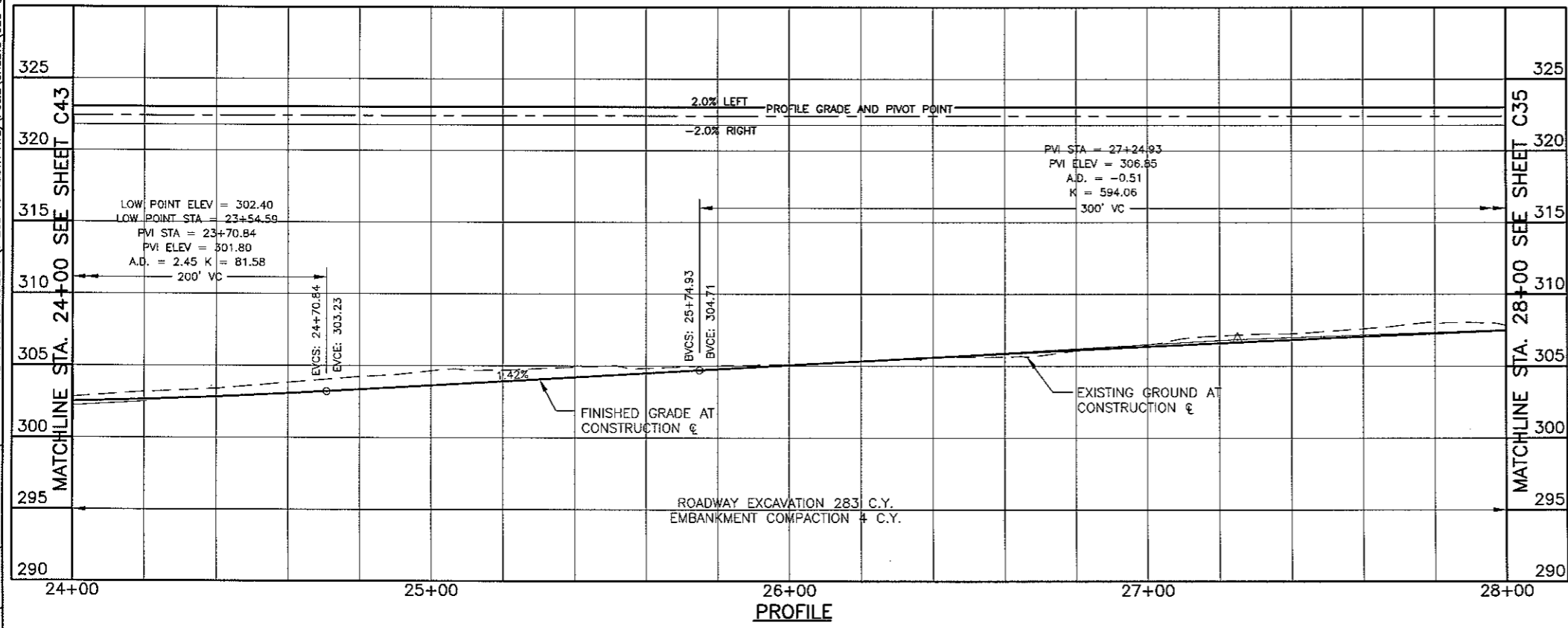
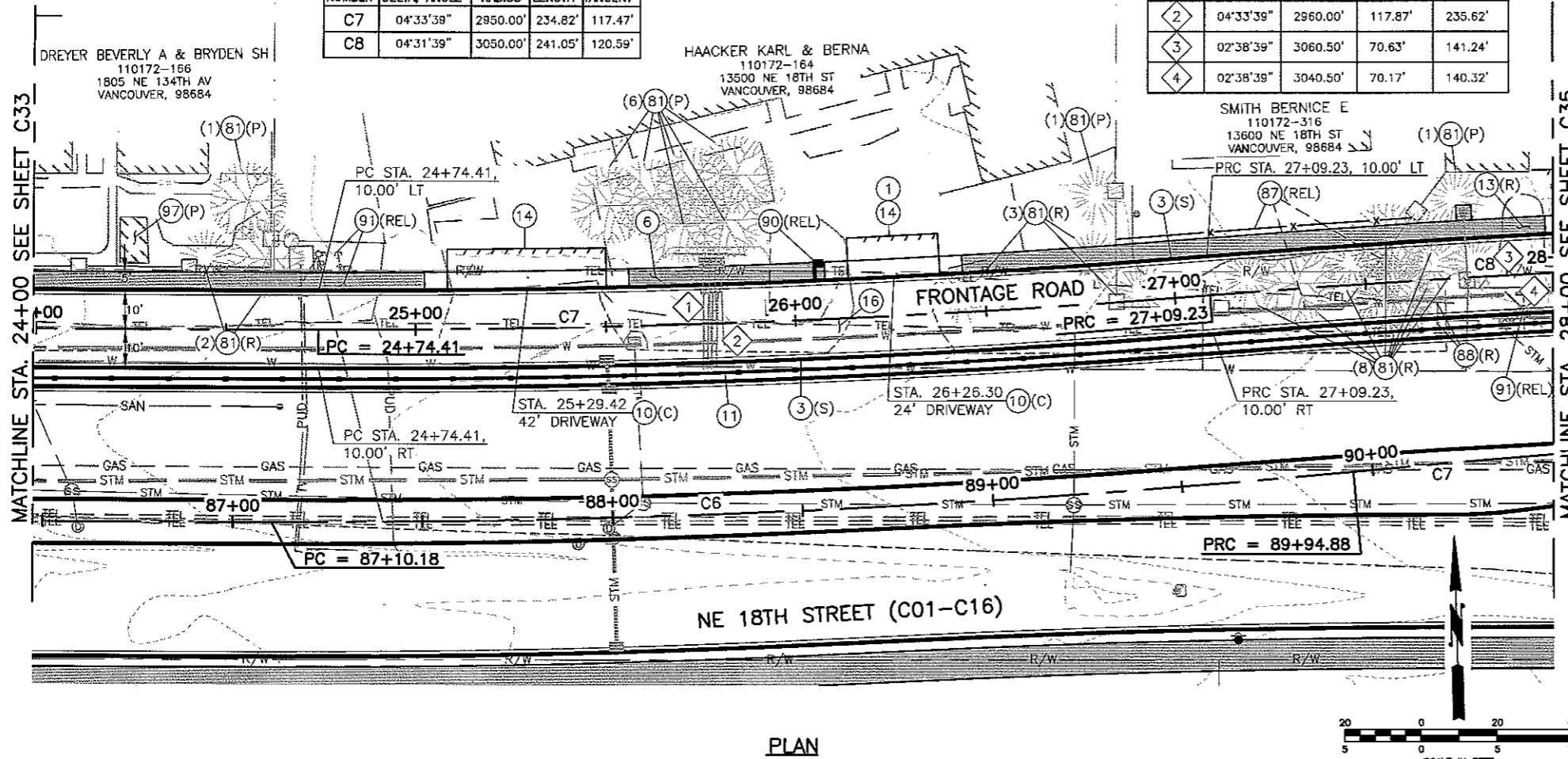
FEDERAL AID NUMBER: HPP-4254 (004)

CENTERLINE CURVE DATA

NUMBER	DELTA ANGLE	RADIUS	LENGTH	TANGENT
C7	04°33'39"	2950.00'	234.82'	117.47'
CB	04°31'39"	3050.00'	241.05'	120.59'

CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	04°33'39"	2940.00'	117.07'	234.02'
2	04°33'39"	2960.00'	117.87'	235.62'
3	02°38'39"	3060.50'	70.63'	141.24'
4	02°38'39"	3040.50'	70.17'	140.32'



CONSTRUCTION NOTES:

- GENERAL NOTES
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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VANCOUVER DEPARTMENT OF TRANSPORTATION
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360-487-7700
360-487-7699

PRELIMINARY 90% PLAN

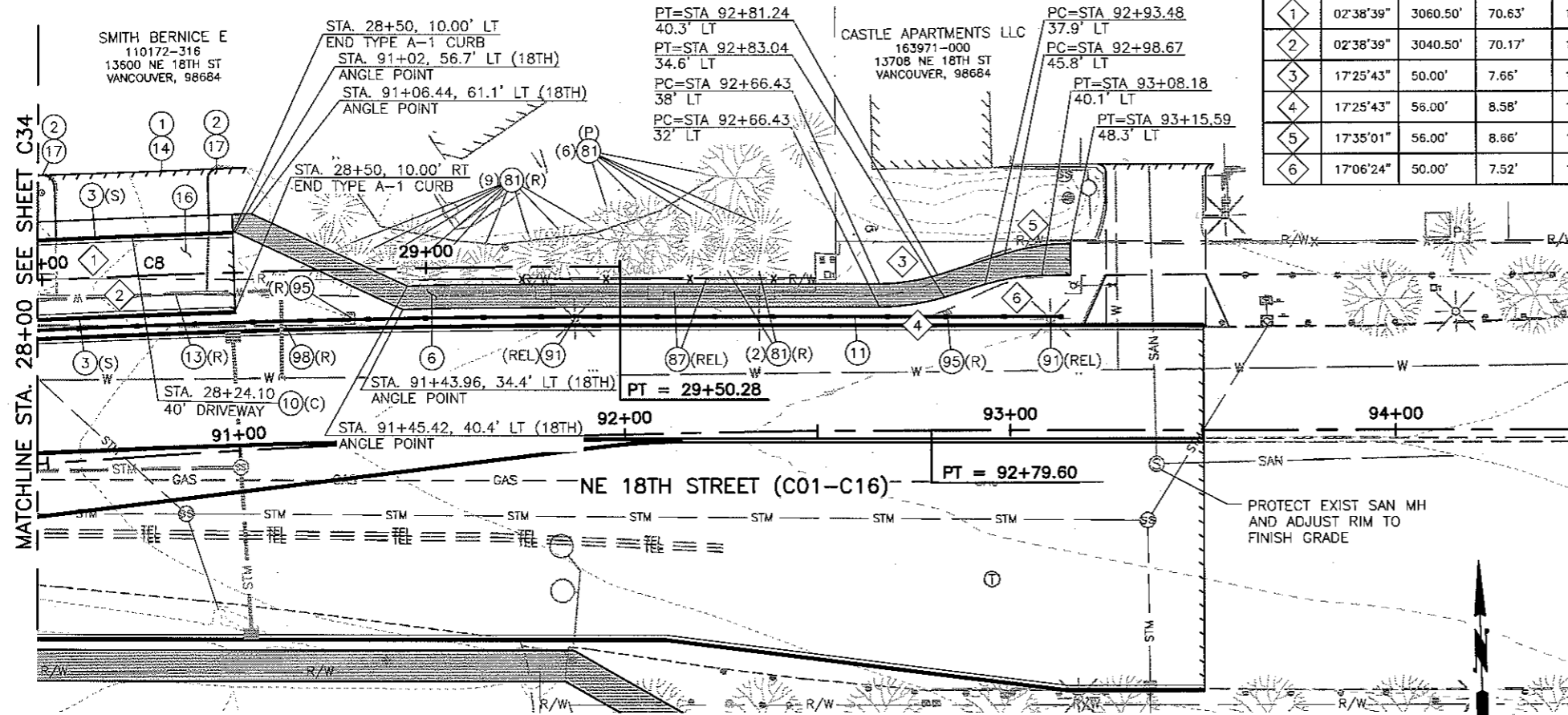
DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
JULY 2010	DJM	DJM	BRM	BRM

SCALE: HORIZONTAL AS SHOWN, VERTICAL AS SHOWN

NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
FRONTAGE ROAD
ROAD PLAN AND PROFILE
STA. 24+00 TO STA. 28+00

PROJECT NUMBER: 071609
TASK NUMBER: 09.10.00
SHEET: C34 OF

I:\PROJECTS\ACTIVE PROJECTS\071609 - NE 18TH ST PHASE I (-205 TO 138TH AVE)\PS&E\SHEETS\C28-C35.DWG



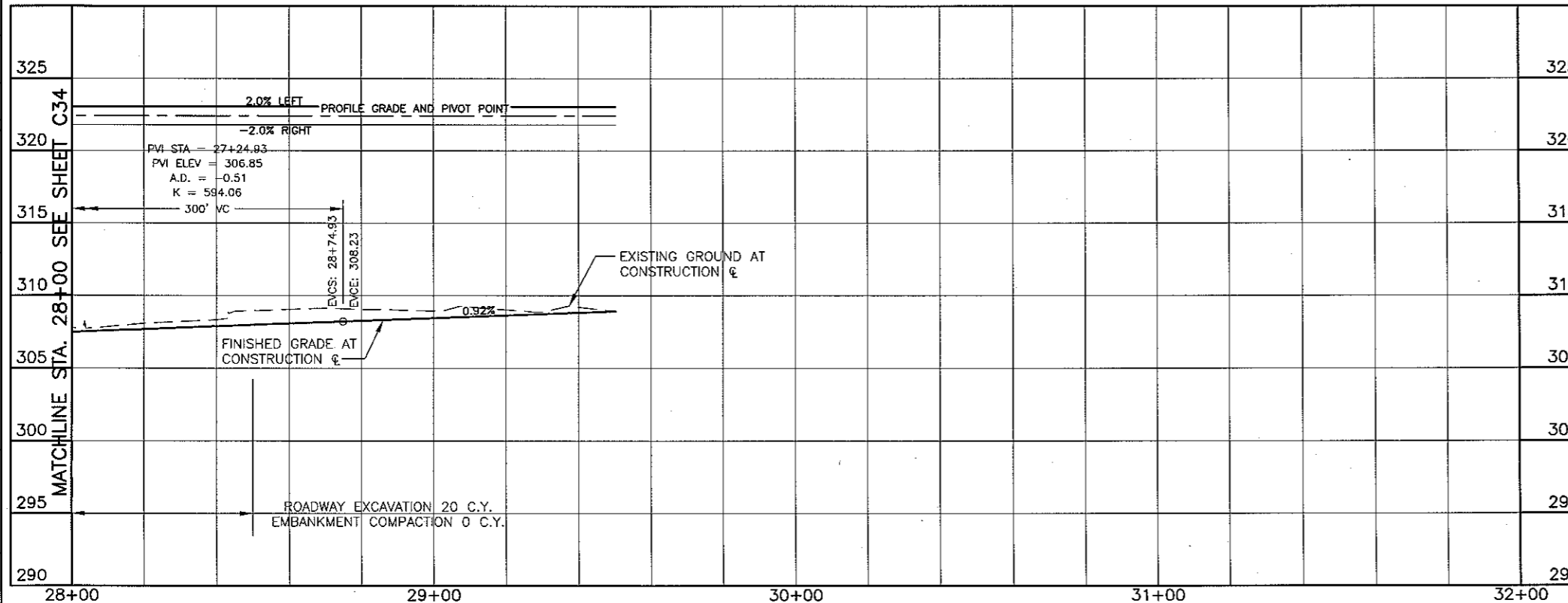
CURB CURVE DATA

NUMBER	DELTA	RADIUS	TANGENT	LENGTH
1	02°38'39"	3060.50'	70.63'	141.24'
2	02°38'39"	3040.50'	70.17'	140.32'
3	17°25'43"	50.00'	7.66'	15.21'
4	17°25'43"	56.00'	8.58'	17.03'
5	17°35'01"	56.00'	8.66'	17.19'
6	17°06'24"	50.00'	7.52'	14.93'

CENTERLINE CURVE DATA

NUMBER	DELTA	ANGLE	RADIUS	LENGTH	TANGENT
C8	04°31'39"		3050.00'	241.05'	120.59'

PLAN



PROFILE

CONSTRUCTION NOTES:

- GENERAL NOTES**
SEE SHEETS G02, G03 FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND AND TYPICAL SECTIONS.
- STREET CONSTRUCTION NOTES**
- SAWCUT EXISTING ASPHALT CONCRETE OR CEMENT CONCRETE PAVEMENT. SEE DETAIL T05-01A ON SHEET D03.
 - SAWCUT EXISTING CONCRETE CURB OR SIDEWALK.
 - CONSTRUCT TYPE A-1 CEMENT CONCRETE CURB AND GUTTER (S) STANDARD OR (M) MODIFIED. SEE DETAILS ON SHEETS D01 AND D04.
 - CONSTRUCT DUAL-FACED CEMENT CONCRETE TRAFFIC CURB. SEE DETAIL ON SHEET D04.
 - CONSTRUCT EXTRUDED CONCRETE DOWELED CURB. SEE DETAIL T01-02 ON SHEET D01.
 - CONSTRUCT STANDARD SIDEWALK. SEE DETAIL T02-01A ON SHEET D01.
 - CONSTRUCT STANDARD DIRECTIONAL RAMP. SEE DETAIL T02-05B ON SHEET D02.
 - CONSTRUCT PERPENDICULAR RAMP. SEE DETAIL T02-08 ON SHEET D02.
 - MATCH NEW SIDEWALK TO EXISTING SIDEWALK.
 - CONSTRUCT DRIVEWAY, (R) CONCRETE RESIDENTIAL, (C) CONCRETE COMMERCIAL, AND (M) MAJOR CONCRETE COMMERCIAL. SEE DETAILS T01-04A, T01-05B OR T01-07 ON SHEET D01.
 - CONSTRUCT SOUND WALL. SEE PLAN, PROFILE AND DETAILS ON SHEETS W01-W24.
 - CONSTRUCT RETAINING WALL. SEE PLAN, PROFILE, AND DETAILS ON SHEETS W01-W24.
 - REMOVE (R), OR PROTECT (P) EXISTING SIDEWALK, BRICK PAVERS OR CONCRETE PAD.
 - MATCH EXISTING DRIVEWAY.
 - CONSTRUCT POWERLINE TRAIL. SEE DETAIL T02-01A FOR MATERIAL SECTIONS AND POWERLINE TRAIL DETAIL FOR JOINT LAYOUT AND POLE TRANSITION DETAIL ON SHEETS D01 AND D04.
 - CONSTRUCT ROADWAY. SEE TYPICAL SECTION SHEETS FOR DETAILS.
 - CONSTRUCT TYPE E-1 CURB. SEE DETAIL T01-01 ON SHEET D01.
 - CONSTRUCT RAISED MEDIAN. SEE DETAIL T02-17C ON SHEET D03.
 - PARALLEL RAMP. SEE DETAIL T02-07B ON SHEET D02.
 - LIMITED ROW CURB RAMP. SEE DETAIL T02-09 ON SHEET D02.
 - CONSTRUCT COMBINATION RAMP. SEE DETAIL T02-06C ON SHEET D02.
 - CONSTRUCT DIAGONAL RAMP. SEE DETAIL T02-04B ON SHEET D01.
 - CONSTRUCT ROLLED CURB AND GUTTER. SEE DETAIL T01-01 ON SHEET D02.
 - CONSTRUCT 12' WIDE HMA (0.35 HMA, 0.85 CSBC) PAD.
- MISCELLANEOUS**
- PROTECT EXISTING MONUMENT.
 - REMOVE (R) OR PROTECT (P) EXISTING TREE.
 - REMOVE AND INSTALL NEW FENCE. SEE DETAILS ON SHEET D09.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING MODULAR BLOCK WALL.
 - REMOVE (R) OR PROTECT (P) EXISTING WALL.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING FENCE.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING METAL BOLLARD.
 - PROTECT EXISTING MONUMENT.
 - REMOVE AND INSTALL NEW MAILBOX SUPPORT, TYPE 1-S SINGLE (S), TYPE 1-D DOUBLE (D), TYPE 2 MULTIPLE (M). SEE DETAILS ON SHEET D03. REMOVE (R) OLD MAILBOX. RELOCATE (REL) IN PLANTER STRIP OR IN SIDEWALK.
 - REMOVE (R), PROTECT (P) OR RELOCATE (REL) EXISTING POWER POLE AND/OR POLE ANCHOR. BY OTHERS.
 - PROTECT EXISTING RIPRAP.
 - REMOVE (R), PROTECT (P), OR RELOCATE (REL) EXISTING GUARDRAIL AND POSTS.
 - REMOVE EXISTING CONCRETE BARRIER.
 - REMOVE (R), RELOCATE (REL) EXISTING STREET SIGNS.
 - EXISTING BUILDING, FOUNDATION, AND SEPTIC TANK, TO BE REMOVED BY OTHERS.
 - PROTECT (P), OR RELOCATE (REL) EXISTING STRUCTURE.
 - PROTECT (P), OR REMOVE (R) EXISTING CONCRETE CURB.
 - INSTALL HARDSCAPE IN PLANTER STRIP OR RAISED MEDIAN. SEE SHEETS L01-L08 FOR DETAILS.

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98668-1995
360-487-7700
360-487-7699

**PRELIMINARY
90% PLAN**

DATE	JULY 2010
DESIGNED BY	DJM
DRAWN BY	DJM
CHECKED BY	CAM
APPROVED BY	MHA
REVISIONS	
DATE	NO.

**NE 18TH STREET IMPROVEMENTS
NE FOUR SEASONS LN TO NE 138TH AVE
FRONTAGE ROAD
ROAD PLAN AND PROFILE
STA. 28+00 TO STA. 28+50**

PROJECT NUMBER
071609
TASK NUMBER
06.10.00
C35
SHEET OF