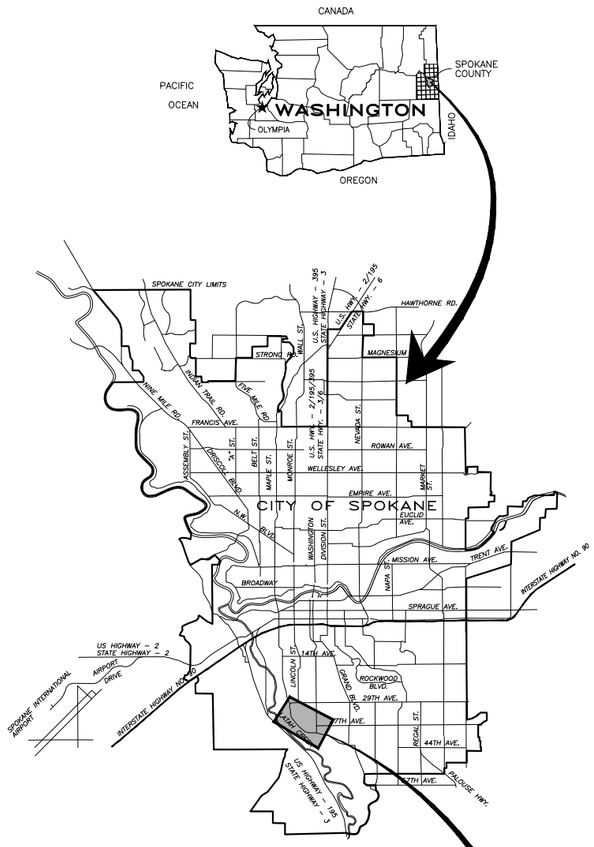
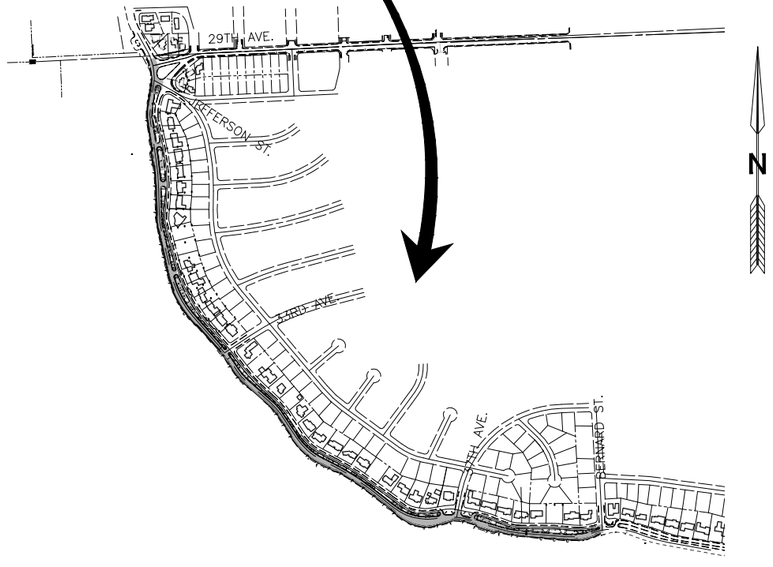
REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	





CITY OF SPOKANE

WASHINGTON STATE DEPARTMENT OF ECOLOGY

FUNDED IN PART BY
THE WASHINGTON STATE DEPARTMENT OF ECOLOGY

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

MAYOR

DAVID A. CONDON

COUNCIL MEMBERS

BEN STUCKART - CITY COUNCIL PRESIDENT
MICHAEL A. ALLEN
MIKE FAGAN
CANDACE MUMM
STEVE SALVATORI
JON SNYDER
AMBER WALDREF

CITY ADMINISTRATOR

THERESA SANDERS

DIRECTOR OF UTILITIES

RICK ROMERO

DIRECTOR OF ENGINEERING SERVICES

PERRY M. TAYLOR P.E.

DIRECTOR OF WASTEWATER MANAGEMENT

DALE ARNOLD

DIRECTOR OF STREETS

MARK SERBOUSEK

DIRECTOR OF WATER

DAN KEGLEY

SHEET INDEX

APPROVED _____ DATE _____
(DIRECTOR OF ENGINEERING SERVICES)

APPROVED _____ DATE _____
(PRINCIPAL ENGINEER – DESIGN)

APPROVED _____ DATE _____
(DIRECTOR OF STREET DEPARTMENT)

APPROVED _____ DATE _____
(DIRECTOR – WASTEWATER MANAGEMENT)

APPROVED _____ DATE _____
(DIRECTOR – WATER & HYDRO SERVICES)

FOR THE CONSTRUCTION OF:

HIGH DRIVE

FROM 29TH AVENUE TO BERNARD STREET

RECONSTRUCTION OF ASPHALT ROADWAY AND CONSTRUCTION OF A
NEW CURB, SWALES, ASPHALT PATHWAY AND DRAINAGE STRUCTURES

City Project # 2010123

3/13/2014 3:23:52 PM

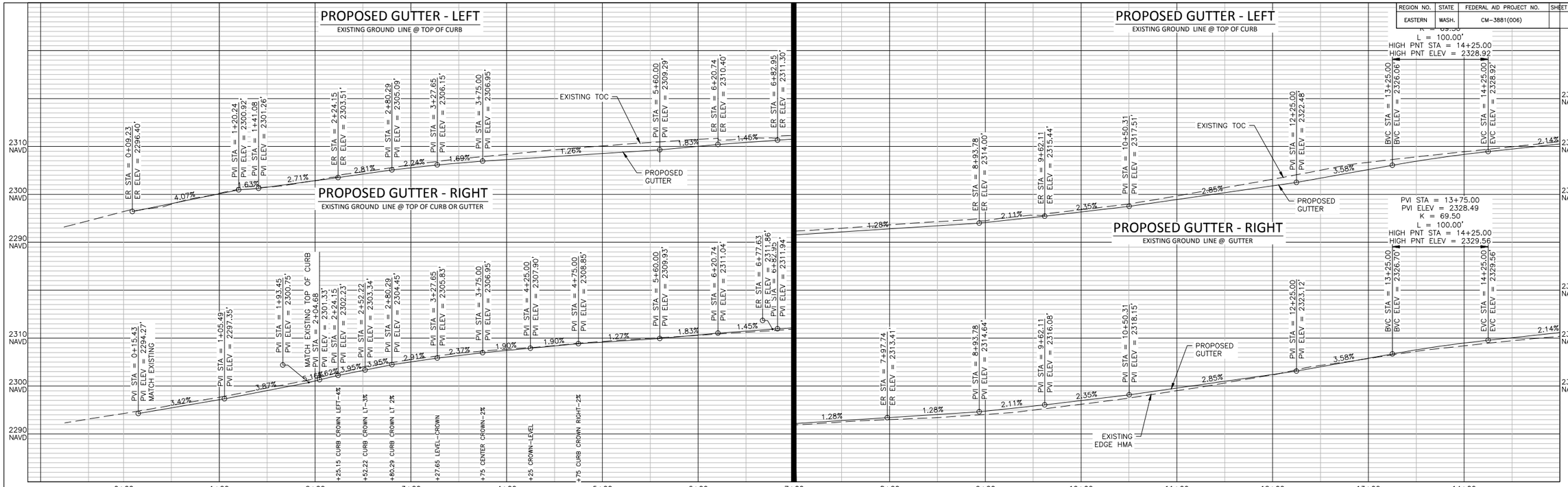
REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

PROPOSED GUTTER - LEFT

EXISTING GROUND LINE @ TOP OF CURB

PROPOSED GUTTER - RIGHT

EXISTING GROUND LINE @ TOP OF CURB OR GUTTER



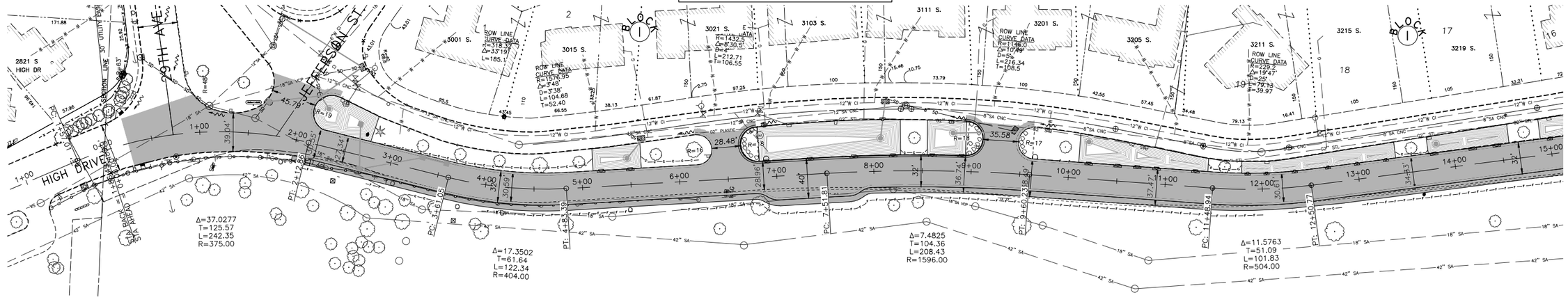
PROPOSED GUTTER - LEFT

EXISTING GROUND LINE @ TOP OF CURB

PROPOSED GUTTER - RIGHT

EXISTING GROUND LINE @ GUTTER

ELEVATIONS ARE TO NAVD88 DATUM



CONSTRUCTION DRAWING
NOT AS-BUILT

JOHN W. MILLER — STATE OF WASHINGTON — 20505 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

2
10

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				AS BUILT							GRADE ORDINANCE LIST				

NAVD88 = (OLD CBM ELEV.) − (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130: CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63

CBM NO. 40S 2E

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

NAVD88 DATUM

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'

SCALE

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

PROJECT NAME: HIGH DRIVE

SEGMENT LIMITS:
HIGH DRIVE
29TH AVE. TO MELINDA LN. EXTENDED

PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT:	STREET
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH D(1)2 31-25-43
EFN: 2010123MA.DWG	

CALL BEFORE YOU DIG 1-800-424-5555

3/13/2014 3:24:50 PM

REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

PROPOSED GUTTER - LEFT

EXISTING GROUND LINE @ TOP OF CURB

PVI STA = 13+75.00
PVI ELEV = 2327.85
K = 69.50
L = 100.00'
HIGH PNT STA = 14+25.00
HIGH PNT ELEV = 2328.92

BVC STA = 13+25.00
BVC ELEV = 2326.06

EVC STA = 14+25.00
EVC ELEV = 2328.92

ER STA = 15+51.55
ER ELEV = 2331.63

ER STA = 16+10.65
ER ELEV = 2332.47

PVI STA = 17+10.00
PVI ELEV = 2333.88

EXISTING TOC

PVI STA = 19+75.00
PVI ELEV = 2338.98

PROPOSED GUTTER

PVI STA = 21+46.19
PVI ELEV = 2342.45

ER STA = 22+46.42
ER ELEV = 2344.20

ER STA = 22+97.10
ER ELEV = 2345.08

PVI STA = 23+93.26
PVI ELEV = 2346.76

PVI STA = 25+00.00
PVI ELEV = 2348.05
K = 55.15
L = 100.00'
HIGH PNT STA = 25+16.91
HIGH PNT ELEV = 2347.85

BVC STA = 24+50.00
BVC ELEV = 2347.44

EVC STA = 25+50.00
EVC ELEV = 2347.75

PVI S
PVI E
K = 61.15
L = 100.00'
LOW PNT STA = 27+36.69
LOW PNT ELEV = 2346.74

BVC STA = 27+00.00
BVC ELEV = 2346.85

EVC STA = 28+00.00
EVC ELEV = 2347.07

2.14% 1.42% 1.42% 1.92% 2.03% 1.75% 1.74% 1.74% 1.21% -0.60% 1.04%

PROPOSED GUTTER - RIGHT

EXISTING GROUND LINE @ GUTTER

PVI STA = 13+75.00
PVI ELEV = 2328.49
K = 69.50
L = 100.00'
HIGH PNT STA = 14+25.00
HIGH PNT ELEV = 2329.56

BVC STA = 13+25.00
BVC ELEV = 2326.70

EVC STA = 14+25.00
EVC ELEV = 2329.56

PVI STA = 15+51.55
PVI ELEV = 2332.27

PVI STA = 16+10.65
PVI ELEV = 2333.11

PVI STA = 17+10.00
PVI ELEV = 2334.52

PVI STA = 19+75.00
PVI ELEV = 2339.62

PVI STA = 21+46.19
PVI ELEV = 2343.09

PVI STA = 22+46.42
PVI ELEV = 2344.84

PVI STA = 22+97.10
PVI ELEV = 2345.72

PVI STA = 23+93.26
PVI ELEV = 2347.40

PVI STA = 25+00.00
PVI ELEV = 2348.69
K = 55.15
L = 100.00'
HIGH PNT STA = 25+16.91
HIGH PNT ELEV = 2348.49

BVC STA = 24+50.00
BVC ELEV = 2348.08

EVC STA = 25+50.00
EVC ELEV = 2348.39

PROPOSED GUTTER

EXISTING EDGE HMA

PVI STA = 27+50.00
PVI ELEV = 2347.19
K = 61.15
L = 100.00'
LOW PNT STA = 27+36.69
LOW PNT ELEV = 2347.38

BVC STA = 27+00.00
BVC ELEV = 2347.49

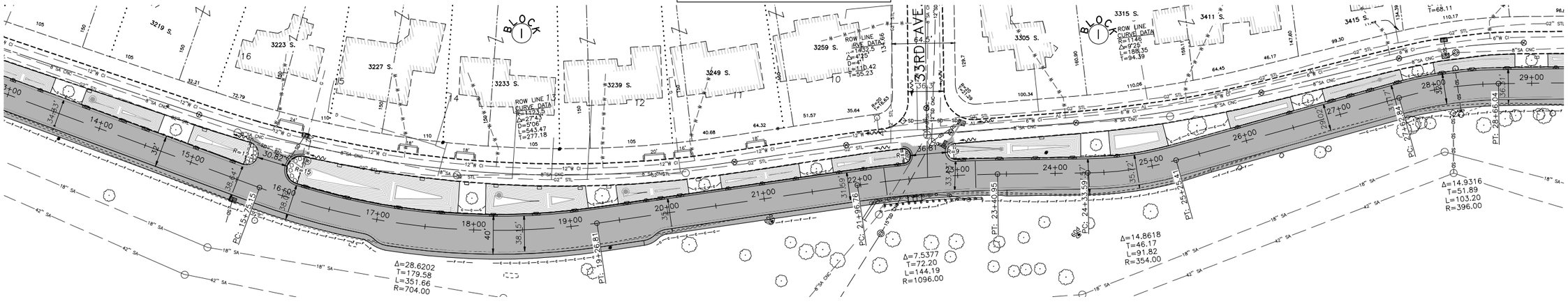
EVC STA = 28+00.00
EVC ELEV = 2347.71

2.14% 1.42% 1.42% 1.92% 2.03% 1.75% 1.74% 1.74% 1.21% -0.60% 1.04%

2340 NAVD
2330 NAVD
2320 NAVD
2360 NAVD
2350 NAVD

14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00

ELEVATIONS ARE TO NAVD88 DATUM



JOHN W. MILLER — STATE OF WASHINGTON — 20505 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

3 / 10

CONSTRUCTION DRAWING
NOT AS-BUILT

PROJECT NAME: HIGH DRIVE

DATE	BY	PROJ.	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				AS BUILT							GRADE ORDINANCE LIST				

NAVD88 = (OLD CBM ELEV.) − (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: HIGH DRIVE & MANITO BLVD
SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63
CBM NO. 40S 2E

BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

NAVD88 DATUM

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'

SCALE

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

SEGMENT LIMITS: HIGH DRIVE
MELINDA LN. EXTENDED TO REGENT CT. EXTENDED
PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT:	STREET
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH D(2)2 31-25-43
EFN: 2010123MA.DWG	

CALL BEFORE YOU DIG 1-800-424-5555

3/13/2014 3:25:23 PM

REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

PROPOSED GUTTER - LEFT

EXISTING GROUND LINE @ TOP OF CURB

PVI STA = 27+50.00
PVI ELEV = 2346.55
K = 61.15
L = 100.00'
LOW PNT STA = 27+36.69
LOW PNT ELEV = 2346.74

BVC ELEV = 2346.85
EVC STA = 28+00.00
EVC ELEV = 2347.07
PVI STA = 29+67.34
PVI ELEV = 2348.80'
PVI STA = 31+40.00
PVI ELEV = 2350.98'
BVC STA = 32+12.64
BVC ELEV = 2352.12'
PVI STA = 32+87.64
PVI ELEV = 2353.30'
K = 61.93
L = 150.00'
HIGH PNT STA = 33+09.96
HIGH PNT ELEV = 2352.89
EVC STA = 33+62.64
EVC ELEV = 2352.66'
PVI STA = 35+25.00
PVI ELEV = 2351.28'
BVC STA = 35+55.56
BVC ELEV = 2350.94'
PVI STA = 36+30.56
PVI ELEV = 2350.12'
K = 108.40
L = 150.00'
HIGH PNT STA = 35+55.56
HIGH PNT ELEV = 2350.94
EVC STA = 37+05.56
EVC ELEV = 2348.26'
PVI STA = 37+17.93
PVI ELEV = 2347.95'
PVI STA = 38+42.27
PVI ELEV = 2345.58'
PVI STA = 39+88.30
PVI ELEV = 2342.24'
PVI STA = 41+13.21
PVI ELEV = 2338.86
K = 74.38
L = 100.00'
LOW PNT STA = 41+63.21
LOW PNT ELEV = 2338.18
BVC STA = 40+63.21
BVC ELEV = 2340.21'
EVC STA = 41+63.21
EVC ELEV = 2338.18'
ER STA = 42+76.26
ER ELEV = 2336.64'

EXISTING TOC
PROPOSED GUTTER

1.04% 1.26% 1.57% 0.85% -1.10% -2.48% -1.91% -2.29% -2.71% -1.36%

PROPOSED GUTTER - RIGHT

EXISTING GROUND LINE @ GUTTER

PVI STA = 27+50.00
PVI ELEV = 2347.19
K = 61.15
L = 100.00'
LOW PNT STA = 27+36.69
LOW PNT ELEV = 2347.38

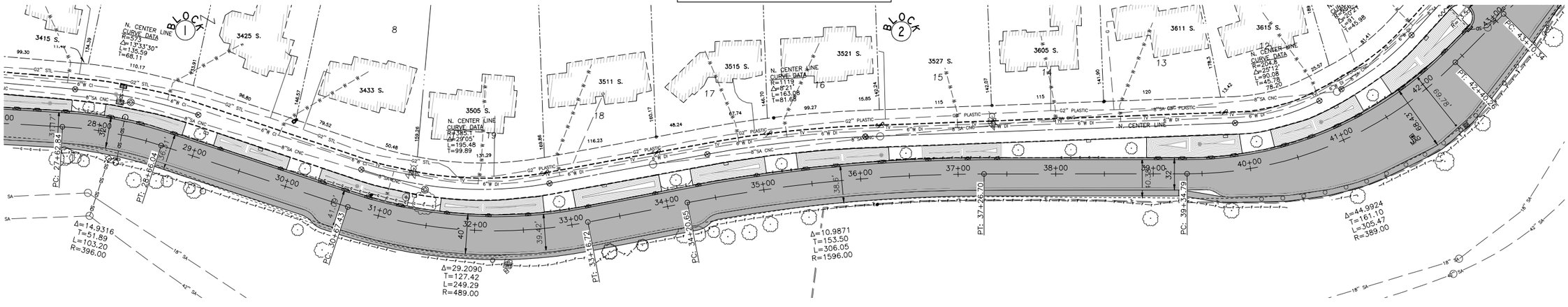
BVC ELEV = 2347.49
EVC STA = 28+00.00
EVC ELEV = 2347.71
PVI STA = 29+67.34
PVI ELEV = 2349.44'
ER STA = 30+26.00
ER ELEV = 2350.18'
PVI STA = 31+40.00
PVI ELEV = 2351.62'
BVC STA = 32+12.64
BVC ELEV = 2352.76'
PVI STA = 32+87.64
PVI ELEV = 2353.94
K = 61.86
L = 150.00'
HIGH PNT STA = 33+09.84
HIGH PNT ELEV = 2353.53
EVC STA = 33+62.64
EVC ELEV = 2353.30'
ER STA = 34+49.31
ER ELEV = 2352.56'
PVI STA = 35+25.00
PVI ELEV = 2351.92'
BVC STA = 35+55.56
BVC ELEV = 2351.58'
PVI STA = 36+30.56
PVI ELEV = 2350.76
K = 108.40
L = 150.00'
HIGH PNT STA = 35+55.56
HIGH PNT ELEV = 2351.58
EVC STA = 37+05.56
EVC ELEV = 2348.90'
PVI STA = 37+17.93
PVI ELEV = 2348.59'
PVI STA = 38+42.27
PVI ELEV = 2346.22'
ER STA = 39+52.43
ER ELEV = 2343.73'
PVI STA = 39+88.30
PVI ELEV = 2342.88'
PVI STA = 41+13.21
PVI ELEV = 2339.50
K = 74.38
L = 100.00'
LOW PNT STA = 41+63.21
LOW PNT ELEV = 2338.82
BVC STA = 40+63.21
BVC ELEV = 2340.85'
EVC STA = 41+63.21
EVC ELEV = 2338.82'
PVI STA = 42+76.26
PVI ELEV = 2337.28'

PROPOSED GUTTER
EXISTING EDGE HMA

1.04% 1.26% 1.26% 1.57% -0.85% -0.84% -1.10% -2.48% -1.91% -2.26% -2.37% -2.71% -1.36%

28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00

ELEVATIONS ARE TO NAVD88 DATUM



PRELIMINARY
NOT FOR CONSTRUCTION

4
10

CONSTRUCTION DRAWING
NOT AS-BUILT

PROJECT NAME: HIGH DRIVE

SEGMENT LIMITS:
HIGH DRIVE
REGENT CT. EXTENDED TO 200' NORTH OF 37TH AVE.
PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT: STREET
CITY PROJECT NUMBER: 2010123
CITY PLAN NUMBER: HIGH D(3)3 31-25-43
EFN: 2010123MA.DWG

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

NAVD88 = (OLD CBM ELEV.) - (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63
CBM NO. 40S 2E
NAVD88 DATUM

BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'
SCALE

DATE	BY	PROJ	DESCRIPTION	FROM	TO
REVISIONS					

DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO
AS BUILT					

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
GRADE ORDINANCE LIST					

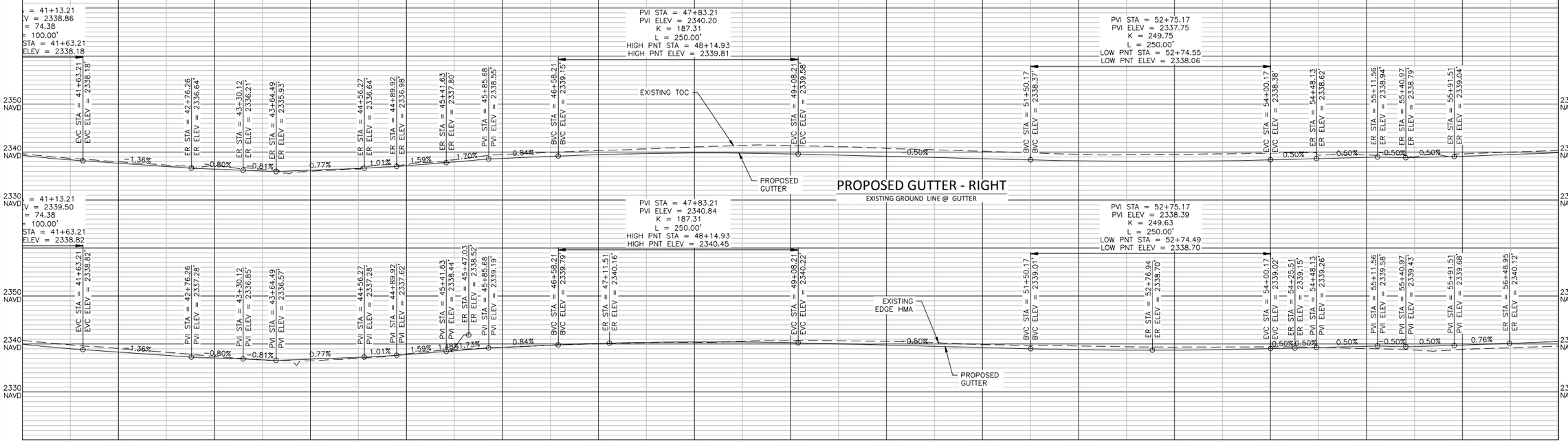
CALL BEFORE YOU DIG 1-800-424-5555

3/13/2014 3:25:48 PM

REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

PROPOSED GUTTER - LEFT

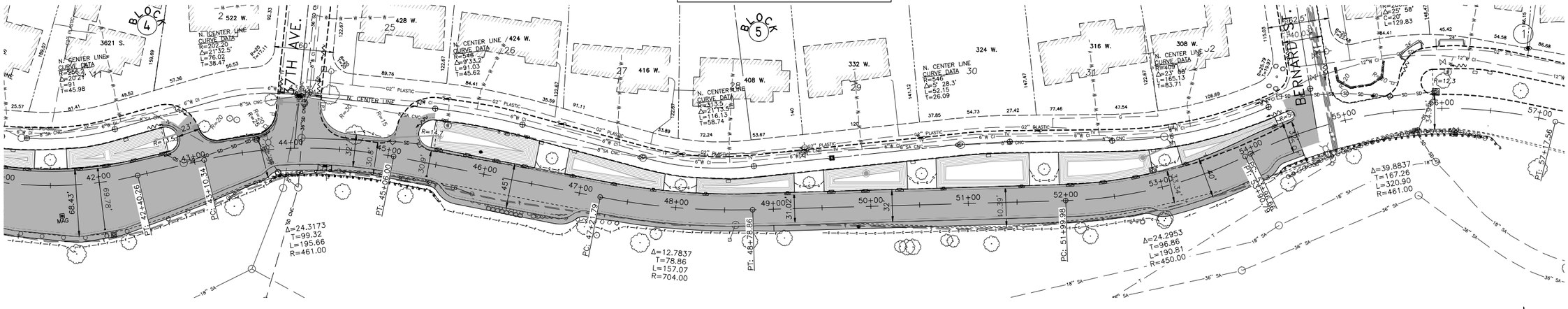
EXISTING GROUND LINE @ TOP OF CURB

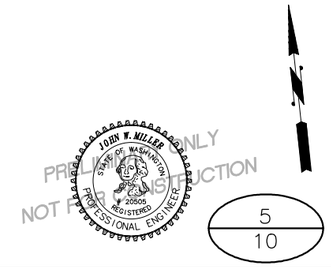


PROPOSED GUTTER - RIGHT

EXISTING GROUND LINE @ GUTTER

ELEVATIONS ARE TO NAVD88 DATUM





PRELIMINARY
NOT FOR CONSTRUCTION

5
10

CONSTRUCTION DRAWING
NOT AS-BUILT

PROJECT NAME: HIGH DRIVE

SEGMENT LIMITS:
HIGH DRIVE
200' NORTH OF 37TH TO 150' SOUTH OF BERNARD

PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT:	STREET
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH D(4)4 31-25-43
EFN: 2010123MA.DWG	

CALL BEFORE YOU DIG 1-800-424-5555

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO
REVISIONS				AS BUILT					

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
GRADE ORDINANCE LIST					

NAVD88 = (OLD CBM ELEV.) - (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63

CBM NO. 40S 2E

NAVD88 DATUM

BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'
SCALE

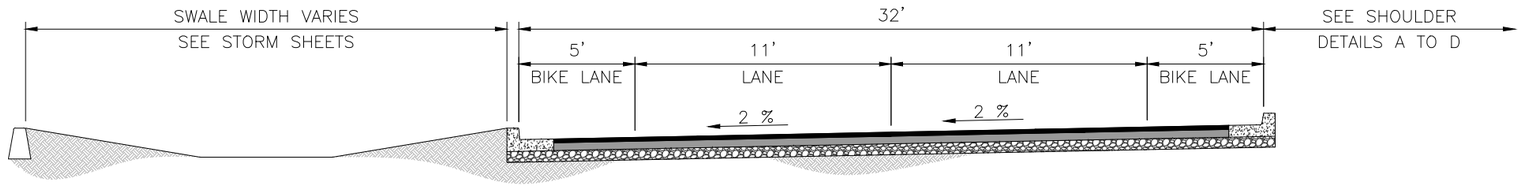
CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

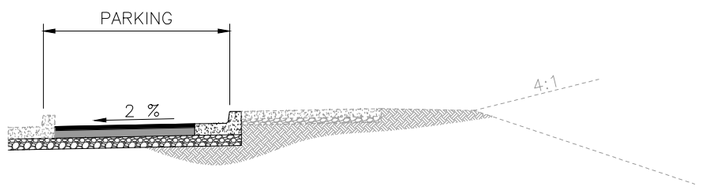
CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

3/13/2014 3:26:13 PM

REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

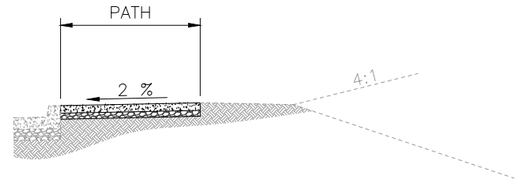


TYPICAL SECTION



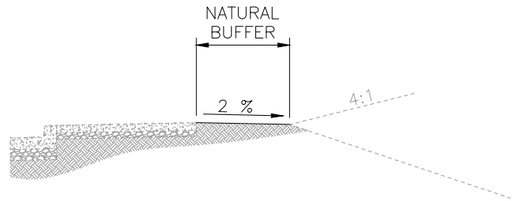
SHOULDER DETAIL A

PARKING			
STATION RANGE			WIDTH
6+77.63	-	7+97.74	8'
16+89.86	-	19+95.68	8'
30+26.00	-	34+49.31	8'
39+52.43	-	43+86.28	VARIES
45+47.03	-	47+11.51	13'
52+76.95	-	54+25.51	8'



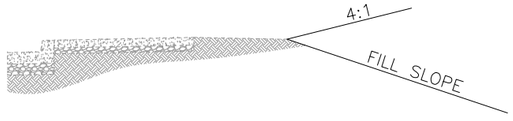
SHOULDER DETAIL B

PATH			
STATION RANGE			WIDTH
2+04.68	-	11+48.94	6'
11+48.94	-	11+99.93	TRANSITION
11+99.93	-	12+50.77	5'
12+50.77	-	12+78.73	TRANSITION
12+78.73	-	16+99.30	6'
16+99.30	-	17+13.20	TRANSITION
17+13.20	-	23+40.95	5'
23+40.95	-	23+50.38	TRANSITION
23+50.38	-	25+25.41	6'
25+25.41	-	25+56.96	TRANSITION
25+56.96	-	27+62.84	5'
27+62.84	-	28+66.04	TRANSITION
28+66.04	-	30+26.00	6'
30+26.00	-	30+37.70	TRANSITION
30+37.70	-	34+37.34	5'
34+37.34	-	34+49.31	TRANSITION
34+49.31	-	47+21.79	6'
47+21.79	-	47+38.51	TRANSITION
47+38.51	-	48+78.86	5'
48+78.86	-	49+00.00	TRANSITION
49+00.00	-	54+48.13	6'



SHOULDER DETAIL C

NATURAL BUFFER			
STATION RANGE			WIDTH
2+04.68	-	20+47.84	4'
20+47.84	-	21+00.00	TRANSITION
21+00.00	-	23+23.41	2'
23+23.41	-	23+50.50	TRANSITION
23+50.50	-	25+25.41	4'
25+25.41	-	25+56.96	TRANSITION
25+56.96	-	27+62.84	3'
27+62.84	-	28+66.04	TRANSITION
28+66.04	-	30+33.78	4'
30+33.78	-	30+50.00	TRANSITION
30+50.00	-	30+67.17	3'
30+67.17	-	30+97.36	TRANSITION
30+97.36	-	34+38.81	2'
34+38.81	-	34+49.54	TRANSITION
34+49.54	-	47+21.92	4'
47+21.92	-	47+50.00	TRANSITION
47+50.00	-	48+99.96	2'
48+99.96	-	50+00.00	TRANSITION
50+00.00	-	54+48.13	4'



SHOULDER DETAIL D

FILL SLOPE			
STATION RANGE			SLOPE
2+04.68	-	3+25.26	3:1
3+25.26	-	6+00.00	2:1
6+00.00	-	7+51.81	3:1
7+51.81	-	11+48.94	2:1
11+48.94	-	15+51.55	3:1
15+51.55	-	20+50.00	2:1
20+50.00	-	22+21.06	3:1
22+21.06	-	25+25.41	2:1
25+25.41	-	27+62.84	3:1
27+62.84	-	30+26.00	2:1
30+26.00	-	34+49.31	3:1
34+49.31	-	44+56.27	2:1
44+56.27	-	45+61.79	3:1
45+61.79	-	47+21.79	2:1
47+21.79	-	50+00.00	3:1
50+00.00	-	54+48.13	2:1

6
10

CONSTRUCTION DRAWING
NOT AS-BUILT

DATE	BY	PROJ.	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				AS BUILT							GRADE ORDINANCE LIST				

NAVD88 = (OLD CBM ELEV.) - (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: HIGH DRIVE & MANITO BLVD
SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63
CBM NO. 40S 2E
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
BAR IS ONE INCH ON ORIGINAL DRAWING.

NAVD88 DATUM

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY N/A

SCALE

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

PROJECT NAME: HIGH DRIVE
SEGMENT LIMITS: HIGH DRIVE
PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT: TYPICAL SECTIONS

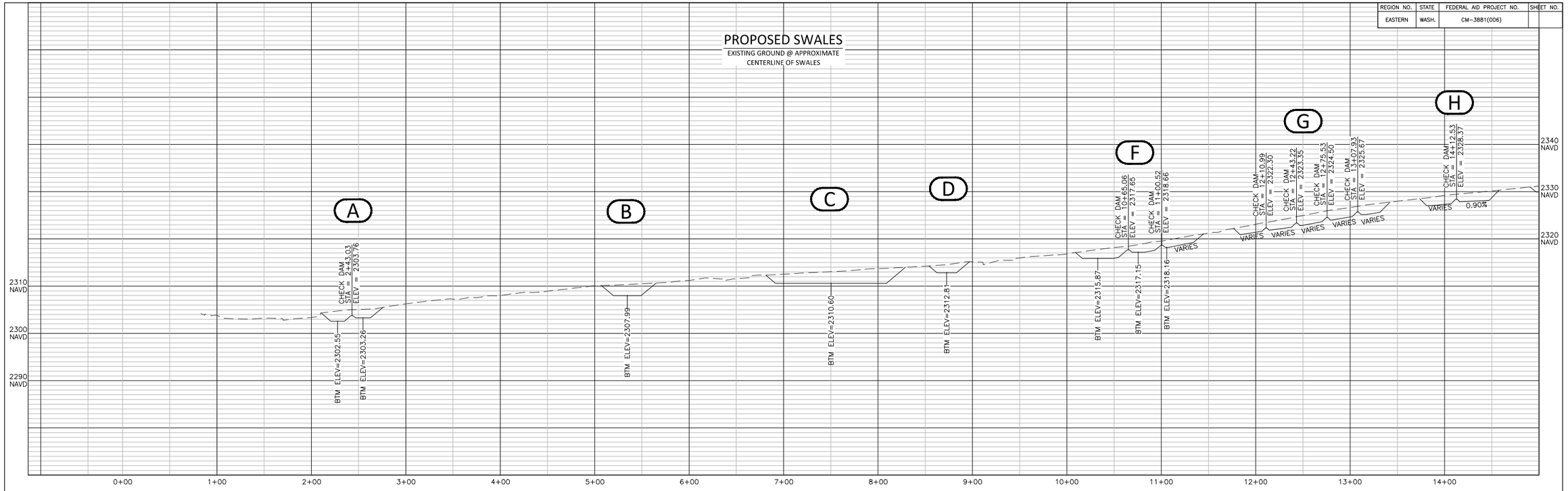
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH DRIVE 31-25-43

EFN: 2010123MA.DWG

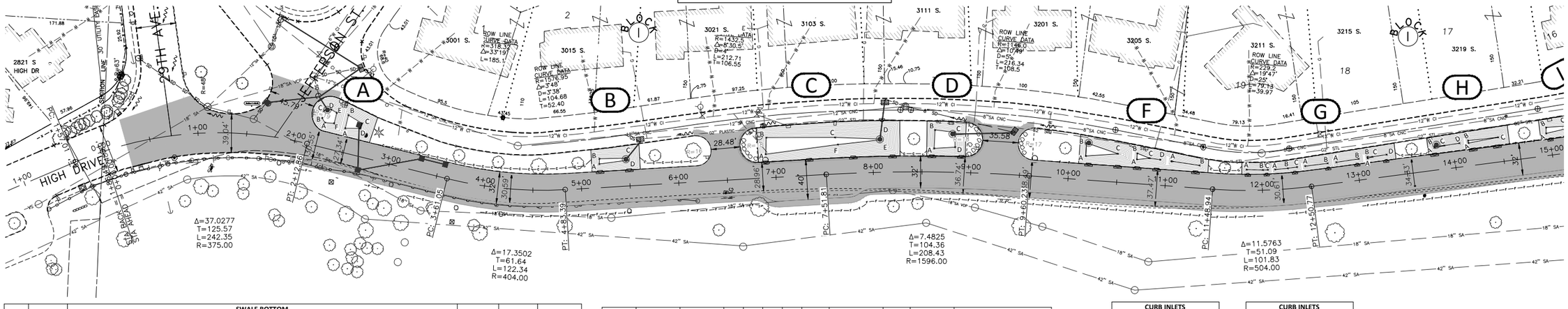
CALL BEFORE YOU DIG 1-800-424-5555

3/13/2014 3:26:38 PM

REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	



ELEVATIONS ARE TO NAVD88 DATUM



SWALE ID	SIDE SLOPES & CHECK DAM SLOPES	SWALE BOTTOM													CHECK DAM CENTERLINE STATION	CHECK DAM ELEVATION	SWALE EXCAVATION (CY)
		BOTTOM ELEVATION OR SLOPE	A STATION	A OFFSET (LT)	B STATION	B OFFSET (LT)	C STATION	C OFFSET (LT)	D STATION	D OFFSET (LT)	E STATION	E OFFSET (LT)	F STATION	F OFFSET (LT)			
A	6:1	2302.55	2+25.68	25.35	2+21.74	29.16	2+21.88	37.15	2+28.41	39.95	2+34.75	38.03	23+47.75	26.88	2+43.03	2303.76	81.5
	6:1	2303.26	2+47.03	24.67	2+47.03	38.73	2+62.73	33.93	2+62.10	28.31							
B	6:1	2307.99	5+19.65	24.24	5+20.13	29.63	5+48.95	28.67	5+49.23	26.49							62.9
C	6:1	2310.60	6+90.86	24.31	6+92.41	41.22	7+62.67	37.40	8+08.91	34.02	8+08.94	33.32	7+65.11	29.98			295.7
D	6:1	2312.81	8+62.18	24.12	8+62.87	43.05	8+82.69	40.90	8+83.35	25.81							59.7
F	6:1	2315.87	10+16.59	24.59	10+16.27	37.91	10+49.39	29.22							10+65.06	2317.65	
	6:1	2317.15	10+69.06	24.86	10+69.06	31.11	10+82.05	27.08	10+93.11	26.32					11+00.52	2318.66	101.8
	6:1	2318.16	11+04.52	25.50	11+33.88	23.31											
G	5:1	VARIES	11+83.69	21.40	12+01.25	20.82	12+06.63	20.79							12+10.99	2321.80	
	5:1	VARIES	12+14.29	20.81	12+27.97	21.02	12+37.91	21.45							12+43.22	2322.85	
	5:1	VARIES	12+46.70	21.46	12+70.19	21.33									12+75.53	2324.00	91.4
	5:1	VARIES	12+79.05	21.26	13+02.11	21.71									13+07.93	2325.16	
	5:1	VARIES	13+11.43	21.06	13+11.43	22.69	13+16.51	21.98	13+31.31	22.38							
H	5:1	VARIES	13+80.85	22.98	13+81.12	24.40	13+91.22	23.93	14+06.91	24.32					14+12.53	2328.37	
	5:1	1.00%	14+16.53	23.34	14+16.53	25.86	14+47.16	25.21									50.4

STATION	OFFSET		RIM ELEVATION	DRYWELL TYPE 1	DRYWELL TYPE 2	CATCH BASIN TYPE 1	CATCH BASIN TYPE 3	FRAME & GRATE TO BE ADJUSTED	CATCH BASIN SEWER PIPE, 8IN. DIAM. (UPSTREAM OF STRUCTURE)	CONNECT TO EXISTING STRUCTURE	PROP(P) EXIST(E) STRUCTURE	NOTES
1+65.71	34.71	LT				X		Y			E	R&R EXISTING
1+70.00	122.00	LT						Y		X	E	
2+13.89	48.70	LT						Y	106.5	X	E	
2+24.85	38.49	LT			X				16		P	
2+49.65	89.90	LT						Y	96	X	E	
2+60.23	31.20	LT				X			46		P	TYPE OF STRUCTURE?????
2+69.91	15.00	RT				X			67		P	
3+30.93	15.00	LT				X			25		P	
3+55.77	15.00	LT				X					P	
5+47.23	27.41	LT			X				23.5		P	
5+63.27	44.50	LT						Y		X	E	
8+07.55	33.74	LT			X				40		P	
8+13.44	74.50	LT						Y		X	E	
8+80.60	39.14	LT			X				65		P	
9+43.95	43.00	LT						Y		X	E	
10+18.70	38.10	LT			X						P	
13+83.24	25.69	LT			X						P	

CURB INLETS		
STATION	OFFSET (LT)	WIDTH
5+20	16'	5
5+50	16'	5
6+90	16'	5
6+90	52'	2.5
7+35	16'	5
7+80	16'	5
8+10	53.4'	2.5
8+20	16'	5
8+60	16'	5
8+90	16'	5
10+20	16'	5
10+50	16'	5

CURB INLETS		
STATION	OFFSET (LT)	WIDTH
10+70	16'	5
10+90	16'	5
11+30	16'	5
11+85	16'	2.5
12+05	16'	2.5
12+35	16'	2.5
12+70	16'	2.5
13+00	16'	2.5
13+30	16'	2.5

CONSTRUCTION DRAWING
NOT AS-BUILT

JOHN W. MILLER — STATE OF WASHINGTON — 20505 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY — NOT FOR CONSTRUCTION

7
10

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				AS BUILT						GRADE ORDINANCE LIST					

NAVD88 = (OLD CBM ELEV.) − (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76
NAVD88 ELEV. 2351.63
CBM NO. 40S 2E
NAVD88 DATUM

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'
SCALE

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

PROJECT NAME: HIGH DRIVE

SEGMENT LIMITS: HIGH DRIVE
29TH AVE. TO MELINDA LN. EXTENDED

PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT:	STORM
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH D(1)2 31-25-43
EFN: 2010123MA.DWG	

CALL BEFORE YOU DIG 1-800-424-5555

3/13/2014 3:29:17 PM

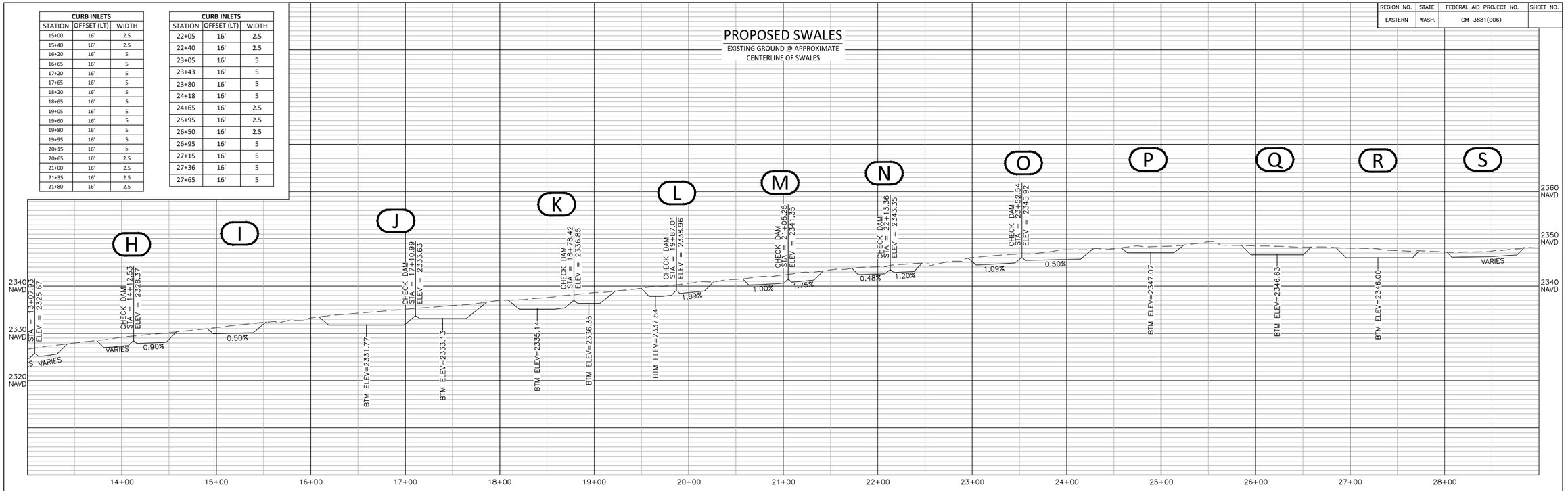
REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

CURB INLETS		
STATION	OFFSET (LT)	WIDTH
15+00	16'	2.5
15+40	16'	2.5
16+20	16'	5
16+65	16'	5
17+20	16'	5
17+65	16'	5
18+20	16'	5
18+65	16'	5
19+05	16'	5
19+60	16'	5
19+80	16'	5
19+95	16'	5
20+15	16'	5
20+65	16'	2.5
21+00	16'	2.5
21+35	16'	2.5
21+80	16'	2.5

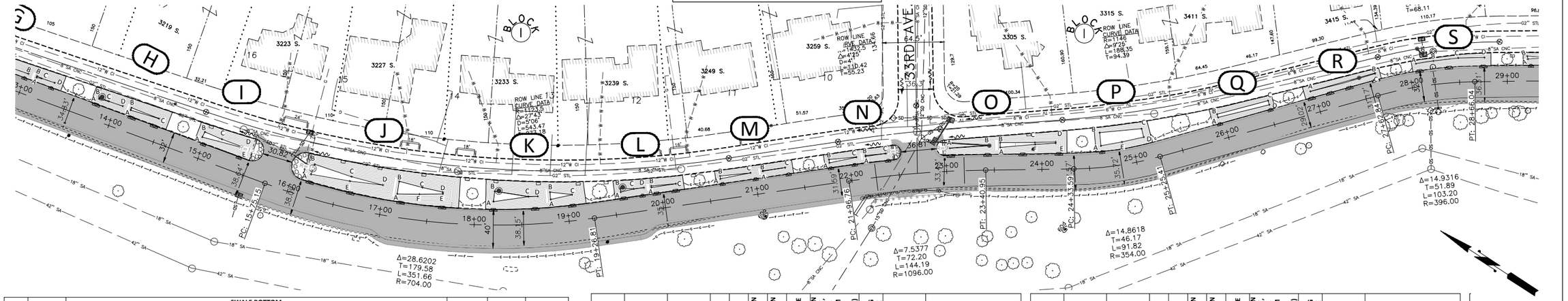
CURB INLETS		
STATION	OFFSET (LT)	WIDTH
22+05	16'	2.5
22+40	16'	2.5
23+05	16'	5
23+43	16'	5
23+80	16'	5
24+18	16'	5
24+65	16'	2.5
25+95	16'	2.5
26+50	16'	2.5
26+95	16'	5
27+15	16'	5
27+36	16'	5
27+65	16'	5

PROPOSED SWALES

EXISTING GROUND @ APPROXIMATE CENTERLINE OF SWALES



ELEVATIONS ARE TO NAVD88 DATUM



SWALE ID	SIDE SLOPES & CHECK DAM SLOPES	SWALE BOTTOM A BOTTOM ELEVATION OR SLOPE	A STATION	A OFFSET (LT)	B STATION	B OFFSET (LT)	C STATION	C OFFSET (LT)	D STATION	D OFFSET (LT)	E STATION	E OFFSET (LT)	F STATION	F OFFSET (LT)	CHECK DAM CENTERLINE STATION	CHECK DAM ELEVATION	SWALE EXCAVATION (CY)
I	6:1	0.50%	14+96.46	22.74	14+97.17	28.84	15+16.59	27.79	15+39.11	27.76	15+39.14	26.94					41.8
J	6:1	2331.77	16+18.65	24.45	16+19.47	35.62	16+62.22	33.04	16+98.00	31.18	16+61.51	28.15			17+10.99	2333.63	304.3
K	6:1	2333.13	17+14.99	24.60	17+14.99	37.87	17+41.39	34.78	17+64.27	32.06	17+64.50	30.40	14+39.04	27.47			
L	6:1	2335.14	18+20.07	24.66	18+21.42	35.53	18+58.38	29.19	19+68.57	28.93					18+78.42	2336.85	139.2
M	6:1	2336.35	18+82.42	24.68	18+82.42	32.39	19+06.07	27.52									
L	5:1	2337.84	19+57.90	23.07	19+58.24	27.00	19+72.06	24.43	19+82.71	24.16					19+87.01	2338.96	51.4
	1.89%	19+90.51	23.19	19+90.51	24.74	20+16.44	23.37										
M	5:1	1.00%	20+63.55	21.73	20+63.67	24.68	20+95.76	23.39							21+05.25	2341.35	41.6
	1.75%	21+08.75	23.22	21+08.75	23.69	21+32.52	23.56										
N	5:1	0.48%	21+79.22	21.81	21+79.29	25.35	22+07.85	23.71							22+13.36	2343.35	32.8
	1.20%	22+17.36	23.18	22+17.36	24.23	22+38.50	23.78										
O	6:1	1.09%	23+04.38	24.18	23+46.01	25.79									23+52.54	2345.92	92.5
	6:1	0.50%	23+56.54	23.70	23+56.54	28.73	23+92.97	28.37	24+14.73	28.61	24+14.75	27.35	23+93.26	26.45			
P	6:1	2347.07	24+64.36	22.71	24+64.36	36.58	25+13.26	33.21	25+13.42	24.18	24+88.19	23.74	24+64.34	22.71			49.4
Q	5:1	2346.63	25+95.02	23.26	25+95.02	26.70	26+50.34	26.07	26+50.33	21.60							49.5
R	5:1	2346.00	26+95.73	23.43	27+66.12	23.82	27+65.94	23.05									45.1
S	5:1	VARIES	28+07.74	24.31	28+25.24	24.65	28+49.73	25.56	28+76.35	25.37							24.1

STATION	OFFSET		RIM ELEVATION	DRYWELL TYPE 1	DRYWELL TYPE 2	CATCH BASIN TYPE 1	CATCH BASIN TYPE 3	FRAME & GRATE TO BE REMOVED	CATCH BASIN SEWER PIPE, BIN. DIAM. (UPSTREAM OF STRUCTURE)	CONNECT TO EXISTING STRUCTURE	PROP(P) EXIST(E) STRUCTURE	NOTES
15+94.74	38.00	LT						Y		X	E	
16+03.26	66.50	LT						Y			E	
16+18.74	30.87	LT			X				24		P	
18+26.03	35.92	LT			X						P	
19+60.68	27.75	LT			X						P	
22+49.61	60.40	LT						Y			E	
22+90.34	31.55	LT						Y	30.5	X	E	
23+07.54	56.50	LT						Y		X	E	
23+45.07	25.68	LT			X				56.5		P	
27+48.82	23.26	LT			X						P	
28+11.13	39.50	LT		X				Y	10.5		P	
28+15.98	29.40	LT						Y		X	E	
28+16.62	50.00	LT						Y			E	
30+70.03	23.13	LT			X						P	
36+22.85	22.73	LT			X						P	
39+48.83	30.16	LT			X						P	
40+85.75	25.97	LT			X						P	
42+67.37	30.72	LT			X				24.5		P	
42+91.62	32.49	LT				X			14.5		P	

STATION	OFFSET		RIM ELEVATION	DRYWELL TYPE 1	DRYWELL TYPE 2	CATCH BASIN TYPE 1	CATCH BASIN TYPE 3	FRAME & GRATE TO BE REMOVED	CATCH BASIN SEWER PIPE, BIN. DIAM. (UPSTREAM OF STRUCTURE)	CONNECT TO EXISTING STRUCTURE	PROP(P) EXIST(E) STRUCTURE	NOTES
15+94.74	38.00	LT						Y		X	E	
43+08.97	34.46	LT				X					P	
43+91.41	47.95	LT					X		26		P	
44+14.14	46.14	LT							25	X	E	
45+01.60	18.92	LT				X					E	R&R EXISTING
45+48.20	30.26	LT			X				48.5		P	
49+39.3	33.68	LT			X						P	
52+87.0	33.48	LT			X				33.5	X	P	

CONSTRUCTION DRAWING

NOT AS-BUILT

PREMINARY ONLY NOT FOR CONSTRUCTION

JOHN W. MILLER STATE OF WASHINGTON 20505 REGISTERED PROFESSIONAL ENGINEER

8 / 10

PROJECT NAME: HIGH DRIVE

DATE	BY	PROJ	DESCRIPTION
			REVISIONS

DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO
				AS BUILT	

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
	GRADE ORDINANCE LIST				

NAVD88 = (OLD CBM ELEV.) − (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63

CBM NO. 40S 2E

NAVD88 DATUM

IF NOT ONE INCH ON ORIGINAL DRAWING, BAR IS ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'

SCALE

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

SEGMENT LIMITS: HIGH DRIVE
MELINDA LN. EXTENDED TO REGENT CT. EXTENDED
PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT:	STORM
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH D(2)2 31-25-43
EFN: 2010123MA.DWG	

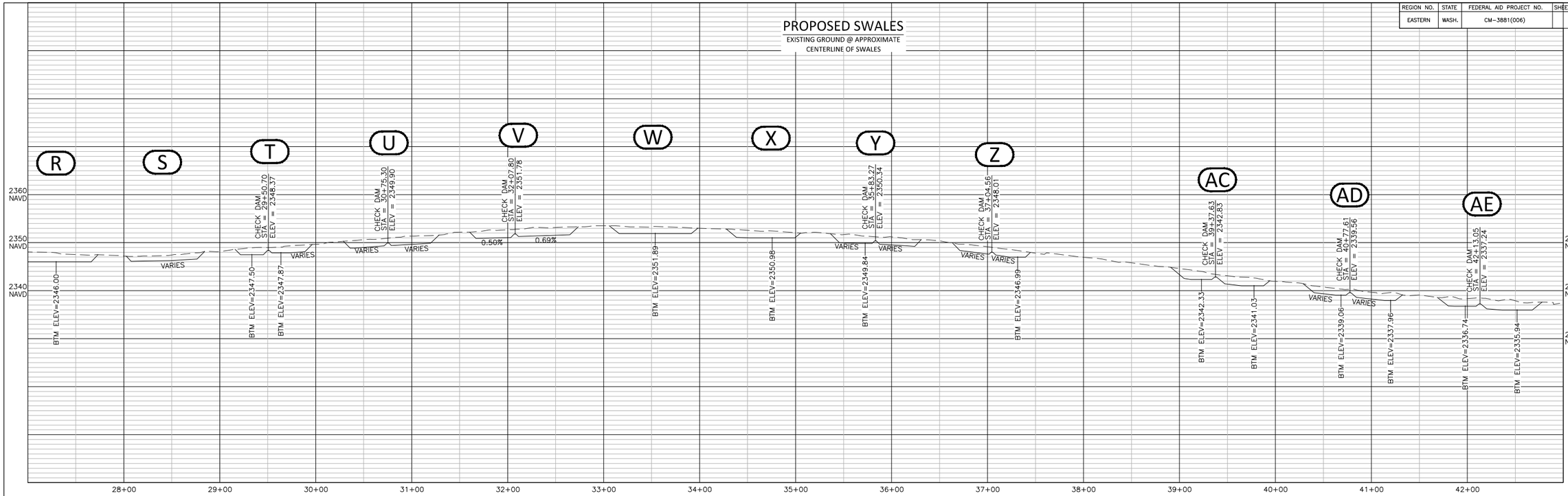
CALL BEFORE YOU DIG 1-800-424-5555

3/13/2014 3:31:17 PM

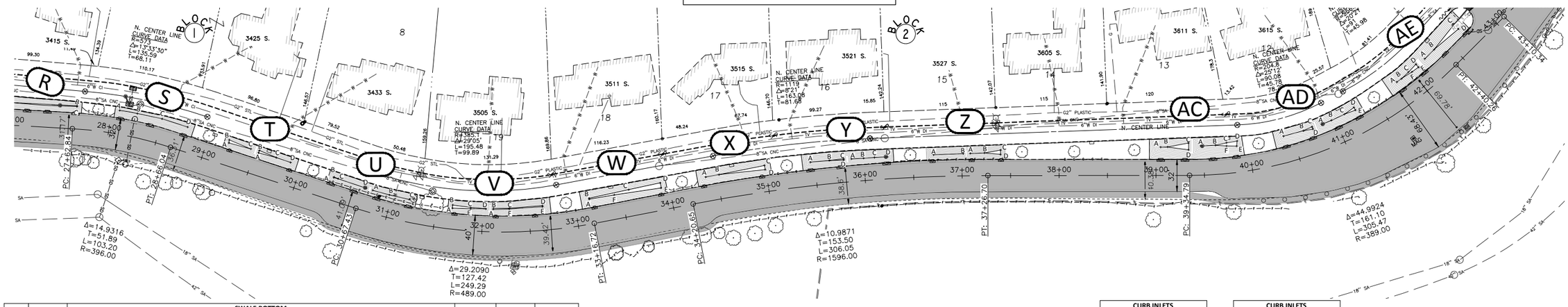
REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

PROPOSED SWALES

EXISTING GROUND @ APPROXIMATE CENTERLINE OF SWALES



ELEVATIONS ARE TO NAVD88 DATUM



SWALE ID	SIDE SLOPES & CHECK DAM SLOPES	SWALE BOTTOM A BOTTOM ELEVATION OR SLOPE	A STATION	A OFFSET (LT)	B STATION	B OFFSET (LT)	C STATION	C OFFSET (LT)	D STATION	D OFFSET (LT)	E STATION	E OFFSET (LT)	F STATION	F OFFSET (LT)	CHECK DAM CENTERLINE STATION	CHECK DAM ELEVATION	SWALE EXCAVATION (CY)
T	5:1	2347.50	29+21.94	23.15	29+21.27	26.24	29+45.37	24.36							29+50.70	2348.37	27.6
	5:1	2347.87	29+54.20	22.99	29+54.20	25.53	29+73.08	24.03	29+88.69	23.86							
U	5:1	VARIES	30+35.95	22.99	30+35.91	23.65	30+40.49	23.28	30+71.34	23.04					30+75.30	2349.90	41.6
	5:1	VARIES	30+78.71	23.03	30+97.34	23.11	31+19.61	23.33									
V	5:1	0.50%	31+67.01	21.66	31+67.04	24.90	31+86.82	24.15	32+03.22	23.60	31+86.77	22.74			32+07.80	2351.78	54.1
	5:1	0.69%	32+11.30	23.12	32+11.33	24.34	32+28.58	24.47	32+64.84	25.50	32+64.84	24.40	32+28.60	23.80			
W	6:1	2351.89	33+16.19	25.47	33+16.17	26.44	33+58.00	27.30	33+91.44	27.96	33+91.34	22.67	33+42.45	24.94			45.8
X	6:1	2350.98	34+38.28	25.01	34+52.08	25.02	34+99.17	27.08	34+99.21	22.62							37.7
Y	5:1	2349.84	35+45.76	24.30	35+65.13	23.91	35+79.77	24.15	35+79.77	23.03					35+83.27	2350.34	41.7
	5:1	VARIES	35+87.64	23.38	36+00.03	23.08	36+11.15	22.90	36+24.17	22.69							
Z	5:1	VARIES	36+71.32	22.38	37+01.53	22.77									37+04.56	2348.01	29.5
	5:1	2346.99	37+08.57	22.90	37+23.13	23.29	37+39.70	26.30	37+39.64	21.74							
AC	6:1	2342.33	39+04.92	29.23	39+12.05	29.41	39+33.63	33.53	39+33.63	26.45					39+37.63	2342.83	65.9
	6:1	2341.03	39+47.28	30.19	39+63.74	30.16	39+76.38	31.64	39+88.36	32.13	39+87.03	26.98	39+76.00	28.44			
AD	6:1	2339.06	40+40.26	27.23	40+63.10	26.46	40+73.61	27.33	40+73.61	24.78					40+77.61	2339.56	43.0
	6:1	2337.96	40+84.43	25.99	40+96.28	25.95	41+12.17	26.04	41+24.86	27.83							

STATION	TYPE 1	TYPE 2	TYPE 1	TYPE 2	TYPE 3	ELEVATION	REMOVED	SEWER PIPE, 8IN. DIAM. (DIAMETER)	TYPE 2	CONNECTED TO EXISTING STRUCTURE	CONNECTED TO EXISTING STRUCTURE	FRAME & GRATE TO BE REPLACED	EXISTING	CATCH BASIN SEWER PIPE, 8IN. DIAM. (UPSTREAM OF STRUCTURE)	TO EXISTING STRUCTURE NOTES	PROP(P) EXIST(E) STRUCTURE	NOTES
33+07.03	23.13	LT						X								P	
36+23.85	22.73	LT			Y			X		X			E			P	
39+48.83	30.16	LT			Y			X		X			E			P	
40+85.75	25.97	LT						X								P	
42+67.37	30.72	LT			Y			X					E	24.5		P	
42+91.62	32.49	LT								X				14.5		P	
43+08.97	34.46	LT								X						P	
43+91.41	47.95	LT									X			26		P	
44+14.14	46.14	LT												25	X	E	
45+01.60	18.92	LT								X						E	R&R EXISTING
45+48.20	30.26	LT						X						48.5		P	
49+96.39	33.68	LT						X								P	
52+87.08	33.74	LT						X						33.5	X	P	
53+23.16	38.50	LT										Y			X	E	
23+27.67	57.50	LT										Y				E	

CURB INLETS		
STATION	OFFSET (LT)	WIDTH
29+25	16'	2.5
29+90	16'	2.5
30+35	16'	5
30+60	16'	5
30+85	16'	5
31+20	16'	5
31+70	16'	2.5
32+14	16'	2.5
32+56	16'	2.5
33+20	16'	2.5
33+90	16'	2.5
34+35	16'	2.5
34+95	16'	2.5
35+45	16'	5

CURB INLETS		
STATION	OFFSET (LT)	WIDTH
35+76	16'	5
36+23	16'	5
36+70	16'	2.5
37+10	16'	2.5
37+40	16'	2.5
39+05	16'	5
39+30	16'	5
39+60	16'	5
39+85	16'	5
40+40	16'	5
40+70	16'	5

CONSTRUCTION DRAWING
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JOHN W. MILLER — STATE OF WASHINGTON — 20505 — REGISTERED PROFESSIONAL ENGINEER

PRELIMINARY — NOT FOR CONSTRUCTION

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DATE	BY	PROJ	DESCRIPTION
REVISIONS			

DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO
AS BUILT					

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
GRADE ORDINANCE LIST					

NAVD88 = (OLD CBM ELEV.) − (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63 — NAVD88 DATUM

CBM NO. 40S 2E

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'
SCALE

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

PROJECT NAME: HIGH DRIVE

SEGMENT LIMITS: HIGH DRIVE
REGENT CT. EXTENDED TO 200' NORTH OF 37TH AVE.

PROJECT LIMITS: 29TH AVENUE TO BERNARD

TYPE OF IMPROVEMENT:	STORM
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH D(3)3 31-25-43
EFN: 2010123MA.DWG	

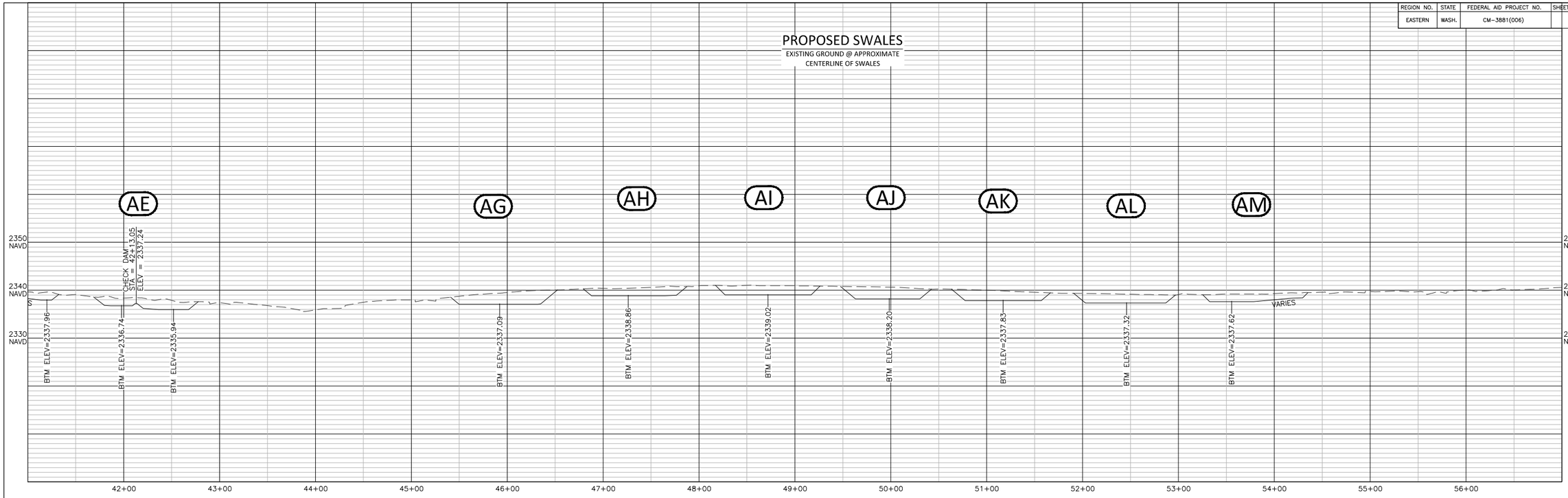
CALL BEFORE YOU DIG 1-800-424-5555

3/13/2014 3:32:55 PM

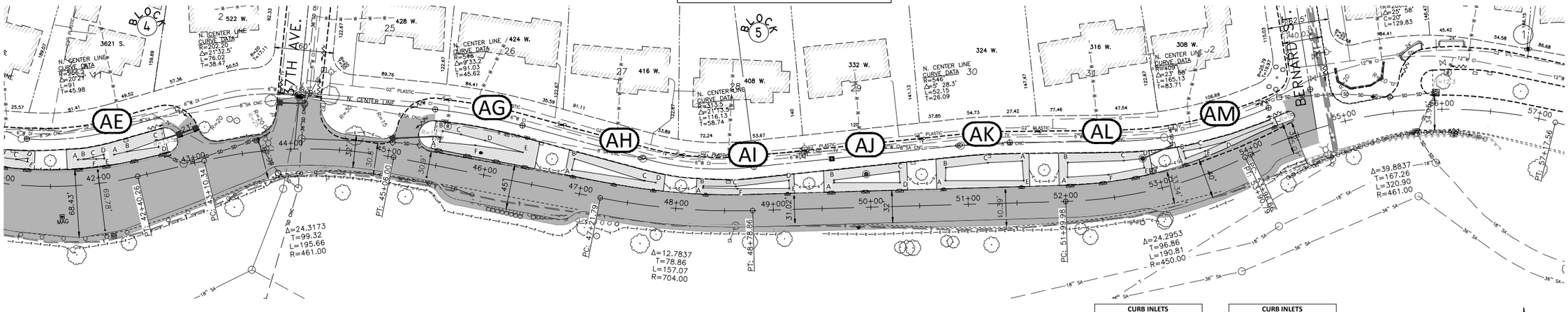
REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.
EASTERN	WASH.	CM-3881(006)	

PROPOSED SWALES

EXISTING GROUND @ APPROXIMATE CENTERLINE OF SWALES



ELEVATIONS ARE TO NAVD88 DATUM



SWALE ID	SIDE SLOPES & CHECK DAM SLOPES	SWALE BOTTOM														CHECK DAM CENTERLINE STATION	CHECK DAM ELEVATION	SWALE EXCAVATION (CY)
		BOTTOM ELEVATION OR SLOPE	A		B		C		D		E		F					
			STATION	OFFSET (LT)	STATION	OFFSET (LT)	STATION	OFFSET (LT)	STATION	OFFSET (LT)	STATION	OFFSET (LT)	STATION	OFFSET (LT)				
AE	6:1	2336.74	41+80.09	26.41	41+86.51	26.34	41+97.09	27.25	42+09.05	28.64	42+09.05	24.45	42+00.22	25.15	42+13.05	2337.24		80.6
AG	6:1	2335.94	42+20.26	26.72	42+34.94	27.16	42+67.32	30.77	42+68.10	24.38								
AH	6:1	2337.09	45+49.35	24.55	45+50.03	36.07	45+69.12	36.27	45+94.73	34.81	46+34.88	30.50	45+85.68	28.27				158.4
AI	5:1	2338.86	46+87.60	22.61	46+88.14	34.12	47+64.31	24.81	47+76.44	24.36								83.7
AJ	5:1	2339.02	48+26.99	22.95	48+27.13	24.78	48+61.57	24.92	49+16.80	29.83	49+17.09	21.57	48+63.39	22.65				83.5
AK	6:1	2338.20	49+62.98	26.15	49+63.07	28.69	50+30.19	36.54	50+30.64	24.13								127.8
AL	6:1	2337.83	50+77.27	24.92	50+78.00	38.08	51+21.24	41.88	51+56.49	42.67	51+57.37	22.56						178.6
AM	6:1	2337.32	52+02.54	24.66	52+03.39	36.69	52+66.00	35.52	52+87.05	33.59	52+86.62	24.28	52+47.17	23.79				143.2
	5:1	2337.62	53+32.32	22.03	53+32.50	29.60	53+50.94	26.84	53+78.39	23.01	53+54.75	22.45	54+29.68	20.44				46.2

STATION	OFFSET		RIM ELEVATION	DRYWELL TYPE 1	DRYWELL TYPE 2	CATCH BASIN TYPE 1	CATCH BASIN TYPE 3	FRAME & GRATE TO BE REPLACED	CATCH BASIN SEWER PIPE, BIN. DIAM. (UPSTREAM OF STRUCTURE)	CONNECT TO EXISTING STRUCTURE	PROP(P) EXIST(E) STRUCTURE	NOTES
42+67.37	30.72	LT			X				24.50		P	
42+91.62	32.49	LT				X			14.50		P	
43+08.97	34.46	LT				X					P	
43+91.41	47.95	LT					X		26.00		P	
44+14.14	46.14	LT							25.00	X	E	
45+01.60	18.92	LT				X					E	R&R EXISTING
45+48.20	30.26	LT			X				48.50		P	
49+96.39	33.68	LT			X						P	
52+87.08	33.74	LT			X				33.50	X	P	
53+23.16	38.50	LT						Y		X	E	
23+27.67	57.50	LT						Y			E	

CURB INLETS		
STATION	OFFSET (LT)	WIDTH
41+80	16'	5
42+10	16'	5
42+40	16'	5
42+70	16'	5
45+50	16'	5
45+50	46'	2.5
46+36	46'	2.5
45+80	16'	5
46+10	16'	5
46+40	16'	5
46+90	16'	2.5
47+33	16'	2.5
47+75	16'	2.5

CURB INLETS		
STATION	OFFSET (LT)	WIDTH
48+30	16'	2.5
49+15	16'	2.5
49+60	16'	5
49+95	16'	5
50+30	16'	5
50+75	16'	2.5
51+55	16'	2.5
52+05	16'	5
52+40	16'	5
52+75	16'	5

JOHN W. MILLER — STATE OF WASHINGTON — 20506 — REGISTERED PROFESSIONAL ENGINEER

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CONSTRUCTION DRAWING
NOT AS-BUILT

PROJECT NAME: HIGH DRIVE

DATE	BY	PROJ	DESCRIPTION
			REVISIONS

DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO
				AS BUILT	

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
	GRADE ORDINANCE LIST				

NAVD88 = (OLD CBM ELEV.) − (13.13) | AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: HIGH DRIVE & MANITO BLVD
SO SIDE HIGH DRIVE, 27.0'W OF CB IN LINE WITH WCL MANITO BLVD
OLD NO. 130; CITY ELEVATION 2364.76

NAVD88 ELEV. 2351.63
CBM NO. 40S 2E

NAVD88 DATUM

BMK IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE 1" = 50'
VERTICAL PROFILE ONLY 1" = 10'

SCALE

CURRENT C.O.S. DESIGN STANDARDS ADOPTED FEB. 2007

	BY	DATES
DRAWN:	JAB	3/2014
REVISED:		
CHECKED:	JWM	?/??
APPROVED:	JWM	?/??

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6700

SEGMENT LIMITS: HIGH DRIVE
200' NORTH OF 37TH TO 150' SOUTH OF BERNARD

PROJECT LIMITS: 29TH AVENUE TO BERNARD STREET

TYPE OF IMPROVEMENT:	STORM
CITY PROJECT NUMBER	CITY PLAN NUMBER
2010123	HIGH D(4)4 31-25-43
EFN: 2010123MA.DWG	

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