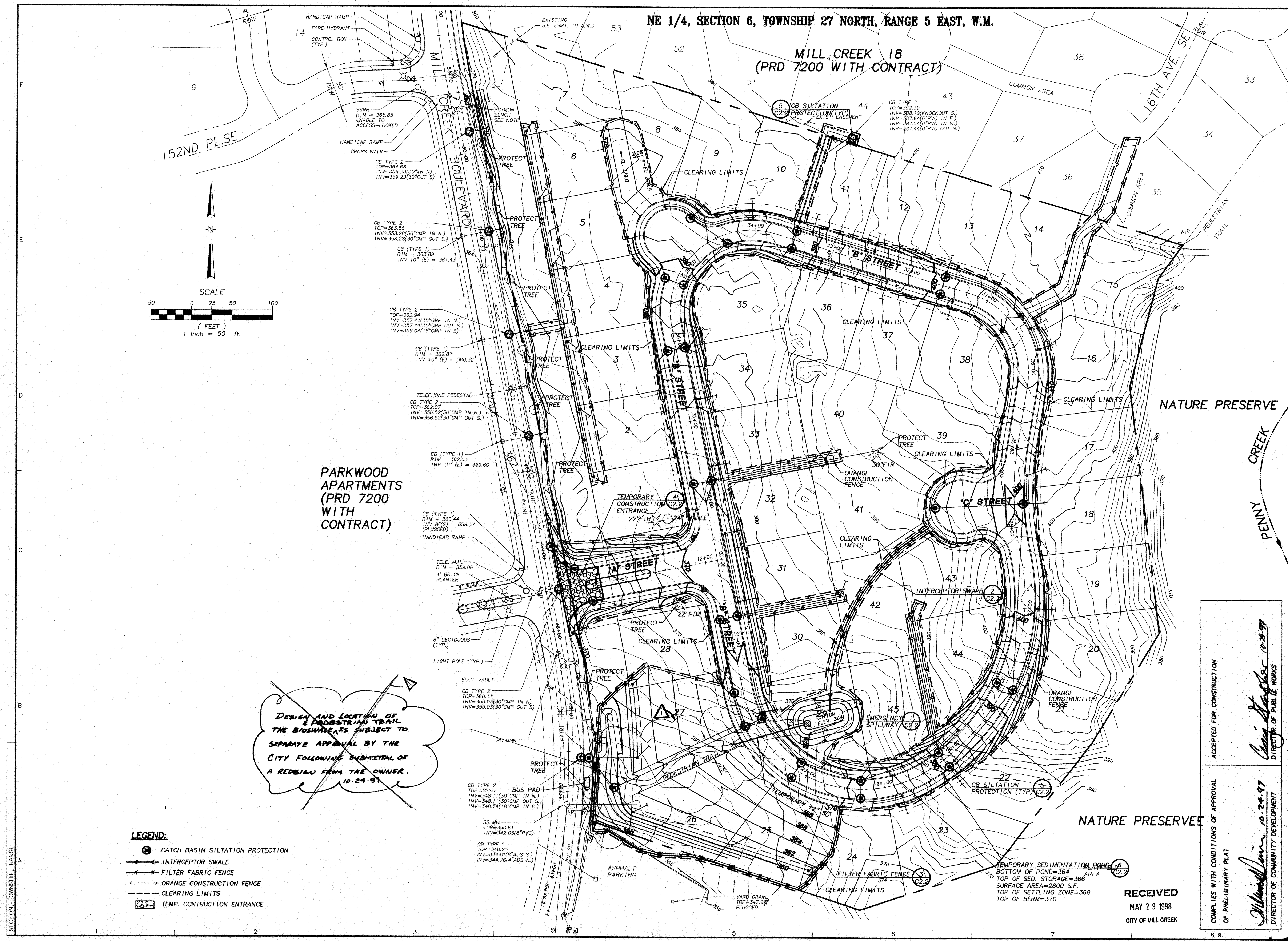




- LEGEND:**
- CATCH BASIN SILTATION PROTECTION
 - INTERCEPTOR SWALE
 - FILTER FABRIC FENCE
 - ORANGE CONSTRUCTION FENCE
 - CLEARING LIMITS
 - TEMP. CONSTRUCTION ENTRANCE

DESIGN AND LOCATION OF PEDESTRIAN TRAIL THE BIOSWALE IS SUBJECT TO SEPARATE APPROVAL BY THE CITY FOLLOWING SUBMITTAL OF A REDRAW FROM THE OWNER. 10.24.97

RECEIVED
MAY 29 1998
CITY OF MILL CREEK

DESIGNED BY: MGG	CHECKED BY:	APPROVED BY:
DRAWN BY: RAT	REVISION:	DATE:
DATE: 10/20/97	BY: ADDRESS CITY	OK'D APPR.
10/20/97	COMMENTS	
10/20/97	ISSUED FOR PERMIT	
10/20/97	ADDRESS CITY	
10/20/97	COMMENTS	

COMPLIES WITH CONDITIONS OF APPROVAL OF PRELIMINARY PLAN

ACCEPTED FOR CONSTRUCTION

WHPACIFIC

3025-119th Avenue N.E.
P.O. Box C-87304
Bellevue, WA 98008-9304
Phone: (425) 887-0220 Fax: (425) 882-5341
Planning, Engineering, Surveying, Landscape Architecture, Environmental Services

UNITED DEVELOPMENT CORPORATION
MILL CREEK 22
TESC & GRADING PLAN

WASHINGTON
DRAWING FILE NAME: LMCREC01.DWG
PROJECT NO. 3-3051-4901
MILL CREEK
SCALE: 1"=50'

DESIGNED BY: MGG
CHECKED BY:
APPROVED BY:

DATE: 10/20/97
BY: ADDRESS CITY
OK'D APPR.

10/20/97
COMMENTS

10/20/97
ISSUED FOR PERMIT

10/20/97
ADDRESS CITY

10/20/97
COMMENTS

COMPLIES WITH CONDITIONS OF APPROVAL OF PRELIMINARY PLAN

ACCEPTED FOR CONSTRUCTION

DESIGNED BY: MGG
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DATE: 10/20/97
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OK'D APPR.

10/20/97
COMMENTS

10/20/97
ISSUED FOR PERMIT

10/20/97
ADDRESS CITY

10/20/97
COMMENTS

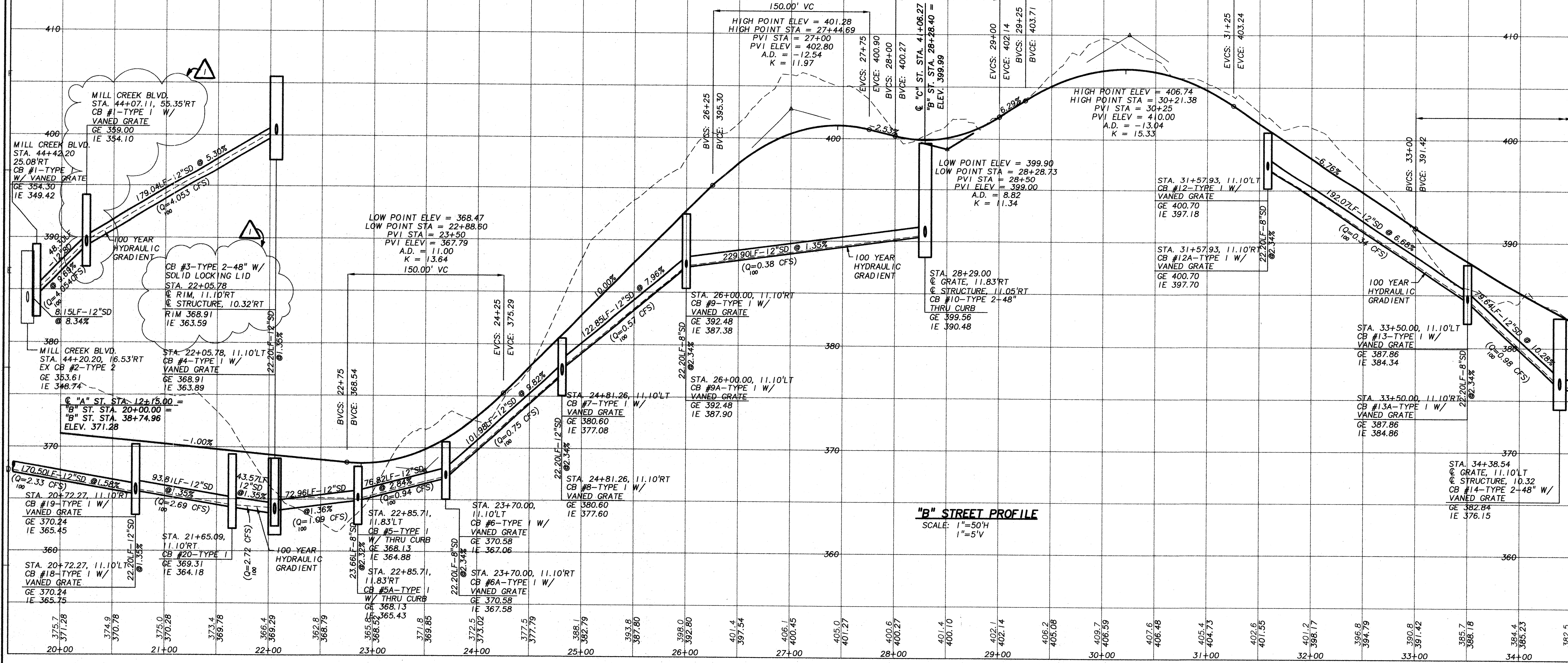
COMPLIES WITH CONDITIONS OF APPROVAL OF PRELIMINARY PLAN

ACCEPTED FOR CONSTRUCTION

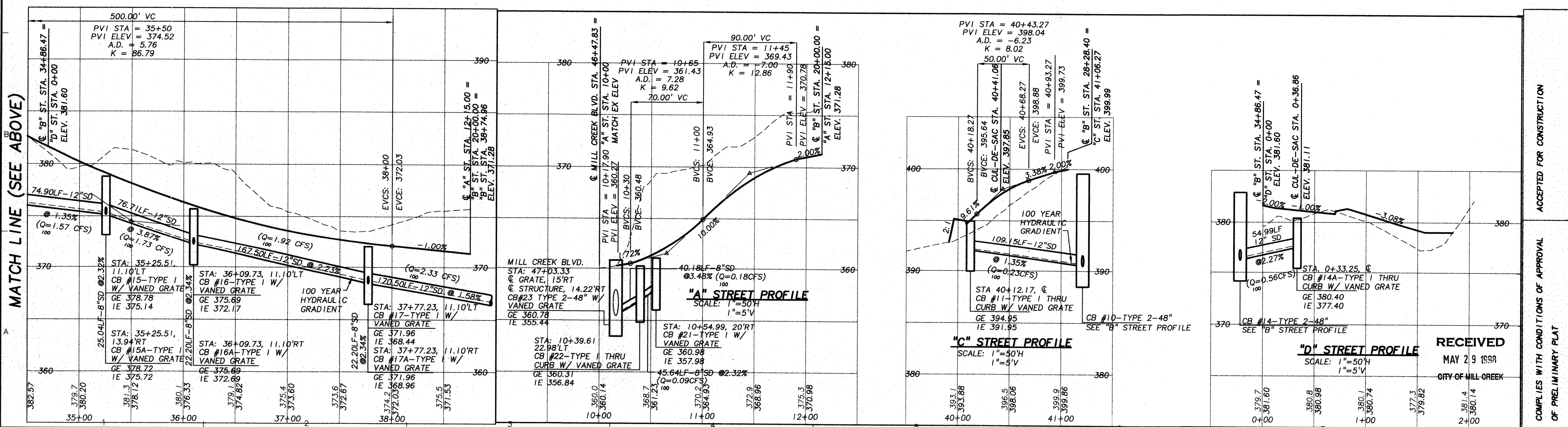
LAST EDIT: RAT 1/20/98

HDEV-065

NE 1/4, SECTION 6, TOWNSHIP 27 NORTH, RANGE 5 EAST, W.M.



MATCH LINE (SEE BELOW)



ACCEPTED FOR CONSTRUCTION
COMPLEX WITH CONDITIONS OF APPROVAL
OF PRELIMINARY PLAT

Michael J. Simon 10.24.97
DIRECTOR OF COMMUNITY DEVELOPMENT

David Stangor 10.24.97
DIRECTOR OF PUBLIC WORKS

WHPACIFIC

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Landscape Architecture • Environmental Services

UNITED DEVELOPMENT CORPORATION
MILL CREEK 22
ROAD & STORM PROFILE

WASHINGTON
DRAWING FILE NAME: LMCRRS01.DWG

PROJECT NO. 3-3051-4901

MILL CREEK
SCALE: 1"=50'

DESIGNED BY: MGC
DRAWN BY: RAT
CHECKED BY: MGC
APPROVED BY: RAT

DATE: 10/20/97
REVISION: 10/20/97
ADDRESS CITY: ISSUED FOR PERMIT
10/20/97
1/20/98
ADDRESS CITY: COMMENTS

RECEIVED
MAY 29 1998
CITY OF MILL CREEK

SHEET
C3.2

SECTION, TOWNSHIP, RANGE:

1. EXCAVATE AS REQUIRED TO CONSTRUCT TO NEW CHANNEL DIMENSIONS.
2. PLACE FILTER BLANKET IN ACCORDANCE WITH REQUIRED GRADATION. EXISTING ROCK MAY BE USED TO SUPPLEMENT IMPORTED ROCK, AS LONG AS REQUIRED GRADATION IS MET.
3. PLACE RIP-RAP IN ACCORDANCE WITH REQUIRED GRADATION. EXISTING ROCK MAY BE USED TO SUPPLEMENT IMPORTED ROCK, AS LONG AS REQUIRED GRADATION IS MET.



CONSTRUCTION SPECIFICATIONS FOR RIPRAP (1. 5.2 & 3. 5.2)

- RIPRAP GRADATION

FILTER GRADATION

SECTION VIEW
1'=6'

PLAN VIEW



OUTLET CHANNEL PROFILE 4
= 50' HOR. 5.2

CONSTRUCTION NOTES

- GRAVEL FILTER WINDOW (5)
N.T.S. (C5.2)

W&H PACIFIC
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UNITED DEVELOPMENT CORPORATION MILL CREEK 22	PROJECT NO. 3-3051-4901	DRAWING FILE NAME: 11MCR0501.DWG	WASHINGTON
MILL CREEK		AS NOTED	
OFF-SITE STORM DRAINAGE POND "Q" DETAILS			

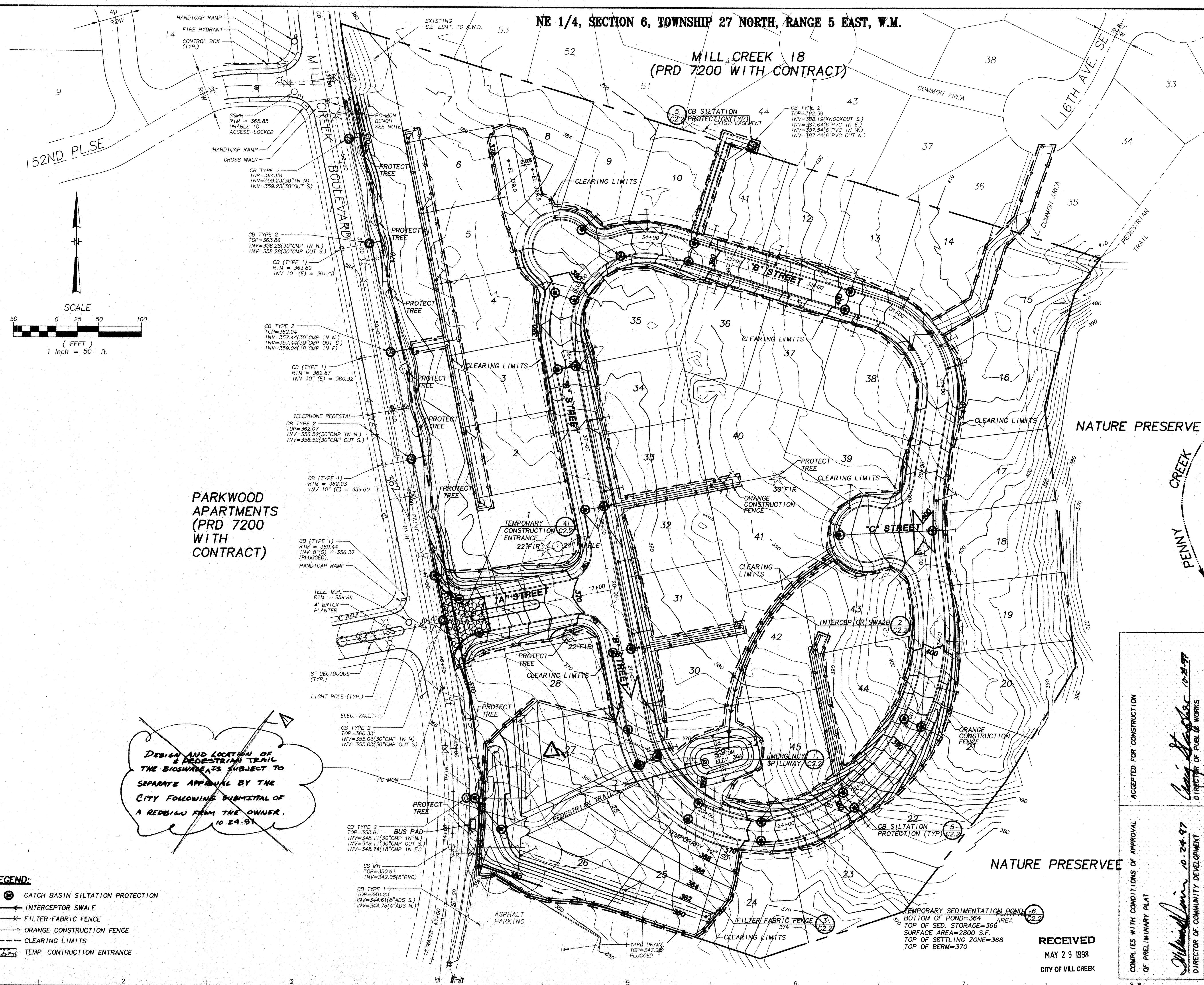
LAST EDIT: HCS_2/4/98 PLOT DATE: 2/4/98

1555

DRAWING FILE NAME:
I:\MCPROSO1.DWG

55

Phone: (425) 827-0220 Fax: (425) 822-5341
Planning * Engineering * Surveying
Landscape Architecture * Environmental Services



LEGEND:

-  CATCH BASIN SILTATION PROTECTION
 INTERCEPTOR SWALE
 FILTER FABRIC FENCE
 ORANGE CONSTRUCTION FENCE
 CLEARING LIMITS
 TEMP. CONSTRUCTION ENTRANCE

DESIGN AND LOCATION OF
A PEDESTRIAN TRAIL
THE BIOSWALE IS SUBJECT TO
SEPARATE APPROVAL BY THE
CITY FOLLOWING SUBMITTAL OF
A REDSIGN FROM THE OWNER
10.24.91

NE 1/4, SECTION 6, TOWNSHIP 27 NORTH, RANGE 5 EAST, W.M.

MILL CREEK 18
(PRD 7200 WITH CONTRACT)

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UNITED DEVELOPMENT CORPORATION
MILL CREEK 22
TESC & GRADING PLAN

MILL CREEK	PROJECT NO. 3-3051-4901	DRAWING FILE NAME: 1 MCRFC01 DWG	WASHINGTON
SCALE: 1"=50'			

MILL CREEK
SCALE: 1"=50'

PLOT DATE: 1/20/98

HDEV-065

ACCEPTED FOR CONSTRUCTION

Chris St. George
DIRECTOR OF PUBLIC WORKS

COMPLIES WITH CONDITIONS OF APPROVAL
OF PRELIMINARY PLAT

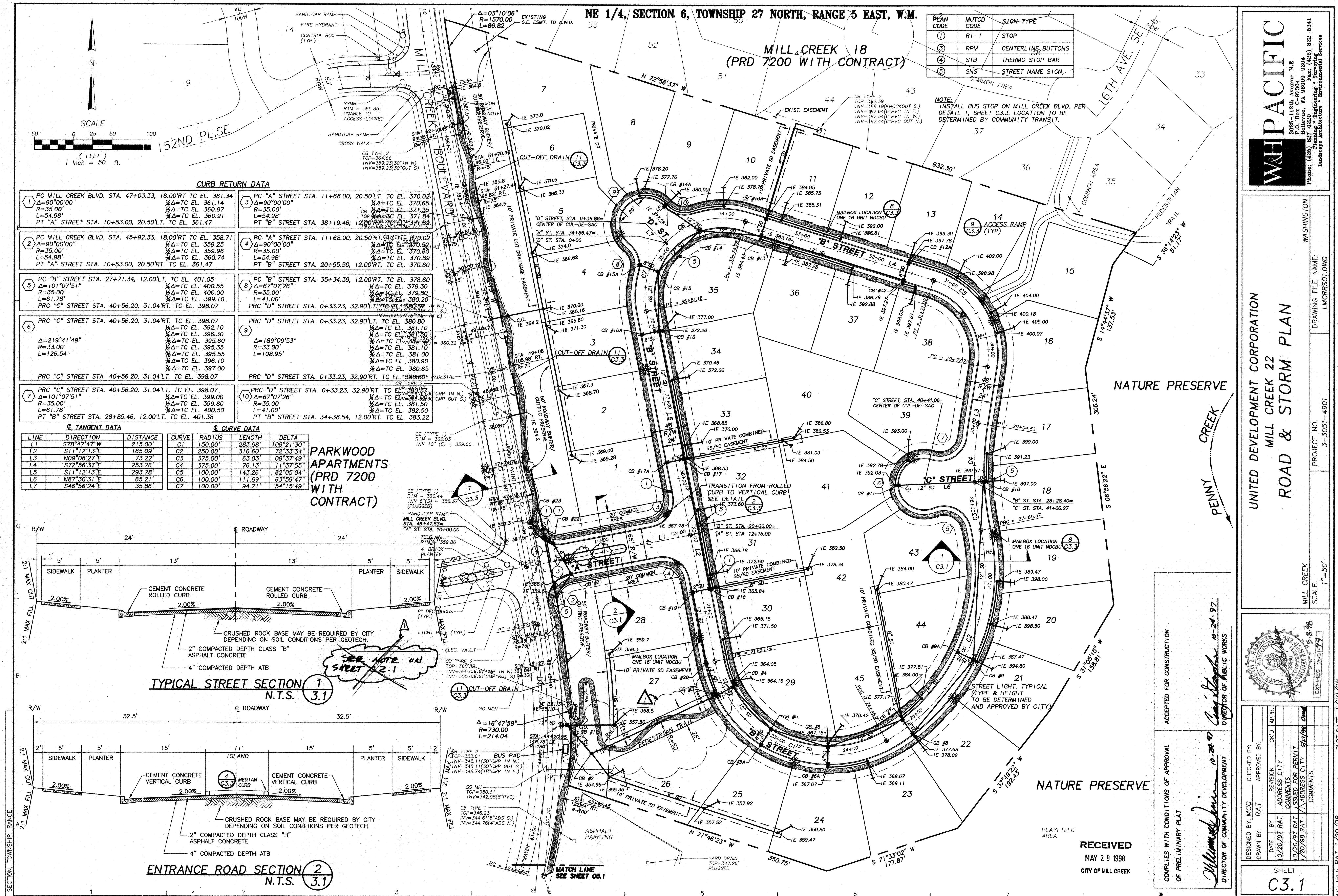
Michael J. Davis 10.24.97
DIRECTOR OF COMMUNITY DEVELOPMENT

DESIGNED BY: MGG		CHECKED BY: _____	
DRAWN BY: RAT		APPROVED BY: _____	
DATE	BY	REVISION	CK'D APPR.
10/20/97	RAT	ADDRESS CITY	
COMMENTS			
10/20/97	RAT	ISSUED FOR PERMIT	
1/20/98	RAT	ADDRESS CITY 51498 Road	
COMMENTS			

SHEET
C2.1

RECEIVED
MAY 29 1998
CITY OF MILL CREEK

ASPEN



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UNITED DEVELOPMENT CORPORATION
MILL CREEK 22
ROAD & STORM PLANT

ROAD & STORM PLAN	PROJECT NO. 1-3051-4901	DRAWING FILE NAME: 1MCRPS01.DWG	WASHINGTON
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33590
REGISTERED PROFESSIONAL ENGINEER
5-8-98
EXPIRES 05/01/99

DESIGNED BY: MGG CHECKED BY: _____
 DRAWN BY: RAT APPROVED BY: _____

DATE	BY	REVISION	CK'D	APPR.
10/20/97	RAT	ADDRESS CITY		

DATE	COMMENTS
10/20/97	RAT ISSUED FOR PERMIT
1/20/98	RAT ADDRESS CITY 5/2/98 CML
	COMMENTS

LAST EDIT: RAT 1 / 20 / 98

ASPEN HDEV-066

NE 1/4, SECTION 6, TOWNSHIP 27 NORTH, RANGE 5 EAST, W.M.

150.00' VC
HIGH POINT ELEV = 401.28
HIGH POINT STA = 27+44.69
PVI STA = 27+00
PVI ELEV = 402.80
A.D. = -12.54
K = 11.97

200.00' VC
HIGH POINT ELEV = 406.74
HIGH POINT STA = 30+21.38
PVI STA = 30+25
PVI ELEV = 410.00
A.D. = -13.04
K = 15.33

LOW POINT ELEV = 368.47
LOW POINT STA = 22+88.80
PVI STA = 23+50
PVI ELEV = 367.79
A.D. = 11.00
K = 13.64
150.00' VC

LOW POINT ELEV = 399.90
LOW POINT STA = 28+28.73
PVI STA = 28+50
PVI ELEV = 399.00
A.D. = 8.82
K = 11.34

STA. 20+72.27, 11.10'RT
CB #19-TYPE I W/
VANED GRATE
GE 370.24
IE 365.45

STA. 21+65.09, 11.10'RT
CB #20-TYPE I
VANED GRATE
GE 369.31
IE 364.18

STA. 22+85.71, 11.83'RT
CB #5A-TYPE I
W/ THRU CURB
GE 368.13
IE 364.88

STA. 22+85.71, 11.83'LT
CB #5-TYPE I
W/ THRU CURB
GE 368.13
IE 364.88

STA. 23+70.00, 11.10'RT
CB #6A-TYPE I W/
VANED GRATE
GE 370.58
IE 367.58

STA. 23+70.00, 11.10'LT
CB #6-TYPE I W/
VANED GRATE
GE 370.58
IE 367.58

STA. 24+81.26, 11.10'LT
CB #7-TYPE I W/
VANED GRATE
GE 380.60
IE 377.08

STA. 24+81.26, 11.10'RT
CB #8-TYPE I W/
VANED GRATE
GE 380.60
IE 377.08

STA. 26+00.00, 11.10'LT
CB #9A-TYPE I W/
VANED GRATE
GE 392.48
IE 387.90

STA. 26+00.00, 11.10'RT
CB #9-TYPE I W/
VANED GRATE
GE 392.48
IE 387.38

STA. 28+29.00
@ GRATE, 11.83'RT
@ STRUCTURE, 11.05'RT
CB #10-TYPE 2-48"
THRU CURB
GE 399.56
IE 390.48

STA. 31+57.93, 11.10'LT
CB #12-TYPE I W/
VANED GRATE
GE 400.70
IE 397.18

STA. 31+57.93, 11.10'RT
CB #12A-TYPE I W/
VANED GRATE
GE 400.70
IE 397.70

STA. 33+50.00, 11.10'LT
CB #13-TYPE I W/
VANED GRATE
GE 387.86
IE 384.34

STA. 33+50.00, 11.10'RT
CB #13A-TYPE I W/
VANED GRATE
GE 387.86
IE 384.86

STA. 34+38.54
@ GRATE, 11.10'LT
@ STRUCTURE, 10.32
CB #14-TYPE 2-48" W/
VANED GRATE
GE 382.84
IE 376.15

"B" STREET PROFILE
SCALE: 1"=50' H
1"=5' V

[illegible]

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Bellevue, WA 98009-9304
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Professional Engineer Seal for Kenneth L. Rader, State of Washington, No. 35580, expires 05/01/99.

DESIGNED BY: <u>MGG</u>		CHECKED BY: _____	
DRAWN BY: <u>RAT</u>		APPROVED BY: _____	
DATE	BY	REVISION	CK'D APPR.
10/20/91	RAT	ADDRESS CITY	
		COMMENTS	
10/20/91	RAT	ISSUED FOR PERMIT	
1/20/98	RAT	ADDRESS CITY <u>and</u>	
		COMMENTS	

SHEET

C3.2

AST EDIT: RAT_1/20/98

HDEV - 067

SECTION, TOWNSHIP, RANGE:

1. EXCAVATE AS REQUIRED TO CONSTRUCT TO NEW CHANNEL DIMENSIONS.
2. PLACE FILTER BLANKET IN ACCORDANCE WITH REQUIRED GRADATION. EXISTING ROCK MAY BE USED TO SUPPLEMENT IMPORTED ROCK, AS LONG AS REQUIRED GRADATION IS MET.
3. PLACE RIP-RAP IN ACCORDANCE WITH REQUIRED GRADATION. EXISTING ROCK MAY BE USED TO SUPPLEMENT IMPORTED ROCK, AS LONG AS REQUIRED GRADATION IS MET.



CONSTRUCTION SPECIFICATIONS FOR RIPRAP (1. 5.2 & 3. 5.2)

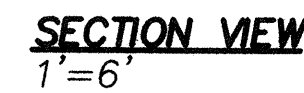
1. THE SUBGRADE OF THE FILTER MATERIAL, GEOTEXTILE FABRIC OR RIPRAP SHALL BE CLEARED AND GRUBBED TO REMOVE ALL ROOTS, VEGETATION, AND DEBRIS AND PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE ROCK AND/OR GRAVEL USED FOR FILTER AND RIPRAP SHALL CONFORM TO THE SPECIFIED GRADATION.
4. STONE FOR RIPRAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT DISPLACEMENT OF THE UNDERLYING MATERIALS. HAND PLACEMENT MAY BE REQUIRED TO PREVENT DAMAGE TO ANY PERMANENT STRUCTURES
5. STONES FOR RIPRAP SHALL BE ANGULAR OR SUBANGULAR. THE STONES SHOULD BE SHAPED SO THAT THE LEAST DIMENSION OF THE STONE FRAGMENT SHALL BE NOT LESS THAN ONE-THIRD OF THE GREATEST DIMENSION OF THE FRAGMENT. FLAT ROCKS SHALL NOT BE USED FOR RIPRAP.
6. VOIDS IN THE RIPRAP SHOULD BE FILLED WITH SPALLS AND SMALLER ROCKS.

RIPRAP GRADATION

GRADATION TO CONFORM TO WSDOT STANDARD SPECIFICATIONS SECTION 9-13.1(2) 1996		
USE LIGHT LOOSE RIP RAP 2 FEET THICK		
GRADATION:	SIZE RANGE	MAXIMUM SIZE
20% TO 90%	300 LBS TO 1 TON	
15% TO 80%	50 LBS TO 1 TON	
10% TO 20%	3 IN.	50 LBS. (SPALLS)

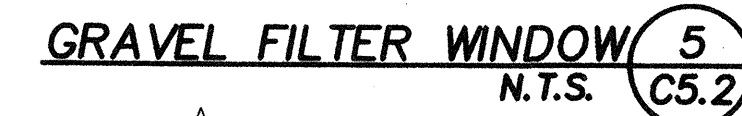
FILTER GRADATION

FILTER SHALL BE 1 FOOT THICK.
GRADATION FOR FILTER SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS
SECTION 9-03.9(1), BALLAST.



OUTLET CHANNEL PROFILE 4
1"=50' HOR. 5.2

1"=50' HOR.
1"=5' VERT.
(SEE SHEET C5.1 FOR
PLAN VIEW)


$$\frac{4}{5.2}$$


RECEIVED
MAY 29 1966
CITY OF MILL CREEK

COMPLIES WITH CONDITIONS OF APPROVAL

William S. Turner 10.24.94
DIRECTOR OF COMMUNITY DEVELOPMENT

OFF-SITE STORM DRAINAGE POND "Q" DETAILS

SCALE:	PROJECT NO.	DRAWING FILE NAME:
AS NOTED	3-3051-4901	LMCROS01.DWG
HILL CREEK		WASHINGTON

3025-112th Avenue N.E.
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EXPIRES 05/01/99

DATE	RAT	ADDRESS CITY	COMMENTS
1/20/98			
5/27/98			Covered

SHEET
C5.2

HDEV-069

LAST EDIT: HCS_2/4/98