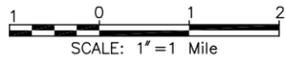
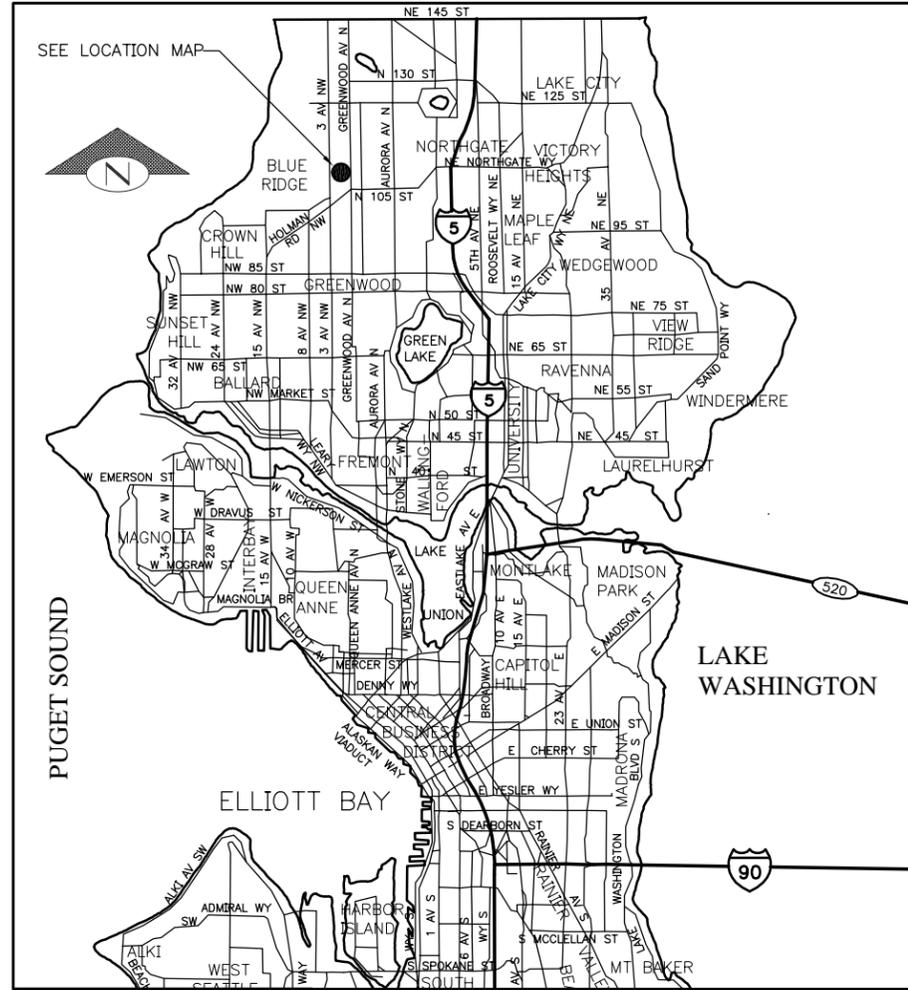


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 1.3.59.000



VICINITY MAP



H: CITY OF SEATTLE "GIS"
V: CITY OF SEATTLE

BASIS OF BEARING: CITY OF SEATTLE "GIS"

COORDINATE BASIS:

MONUMENT (1) HELD: MON @ INTERSECTION OF NW 110TH ST & PALATINE AVE N
FOR LOCATION: Y FOR AZIMUTH: Y
MONUMENT (2) HELD: MON @ INTERSECTION OF NW 110TH ST & 4TH AVE NW
FOR LOCATION: N FOR AZIMUTH: Y
MONUMENT (3) HELD: NA FOR AZIMUTH: Y
FOR LOCATION: NA FOR AZIMUTH: NA

BENCH (1) FIELDBOOK/PAGE: 2045E PG 42 (ON PALATINE AVE N)
BENCH (2) FIELDBOOK/PAGE: 2045E PG 42 (ON STEPS TO CHURCH ON GREENWOOD AVE)
CITY DATUM/NAVD88 DIFFERENCE: NAVD 88 IS 9.74' HIGHER THAN CITY DATUM

PROJECT NUMBER: C301320

ALT. PROJECT NUMBER: C399314 (ORIGINAL TOPO SURVEY OF 2/2000)

FIELD BOOKS: 2045E PP 74-94

REFERENCE DOCUMENTS:

STREET STATIONING: ASSUMED, 0+00 AT INTERSECTION OF GREENWOOD AVE N
STREET STATIONING FBK/PLAN: NA

DATE: 12/7/2001 INITIALS: KEY

GEOREGISTRATION NOTES:

COMMENTS: USES ADDITIONAL TOPO AND REVISED DATA FROM SURVEY OF 12/4/2001



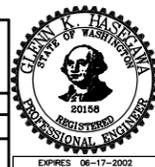
PEGGY ELYNN GAYNOR
REGISTERED
LANDSCAPE ARCHITECT
CERTIFICATE NO. 356

GAYNOR, Inc.
Seattle, WA

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DWIGHT DIVELY
DIRECTOR OF FINANCE
SEATTLE, WASHINGTON 20

BY: _____
CONTRACTING MANAGER

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DESIGNED	REVIEWED:
CHECKED	DES. CONST.
	SEATRAN PROJ. MGR.
DRAWN	RECEIVED
CCH	REVISED AS BUILT
CHECKED	
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	



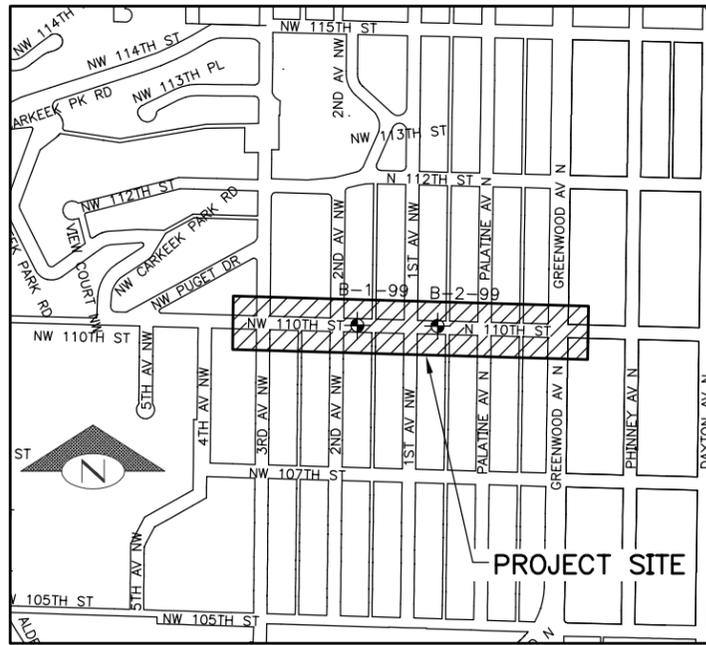
City of Seattle
Seattle Public Utilities
Chuck Clarke, Director

ORDINANCE NO. _____ APPROVED _____
FUND: _____
SCALE: NOTED INSPECTOR'S BOOK

VICINITY MAP, GENERAL NOTES,
DETAIL AND SECTION REFERENCING

CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

NO.	PC	C301320
NO.	R/W	
NO.	CO	C301320
VAULT PLAN NO. 777-568		
SHEET 1 OF 18		



LOCATION MAP

SCALE: 1"=400'

WATER NOTES

CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING AROUND THE 16" CAST IRON WATER MAIN. CONTRACTOR SHALL NOT DAMAGE, REPAIR, ALTER, DISMANTLE, OR OPERATE ANY SPU WATER MAINS, SERVICES HYDRANTS, TEST STATIONS OR VALVES.

EROSION CONTROL NOTES

TEMPORARY EROSION CONTROL & STORM DRAIN BYPASS PLAN SHALL BE SUBMITTED BY CONTRACTOR FOR REVIEW AND APPROVAL AT PRECONSTRUCTION MEETING.

PAVING NOTES

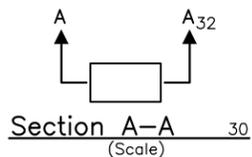
JOINTS BETWEEN EXISTING PAVEMENT AND NEW ASPHALT SHALL BE BUTT JOINTS.

DETAIL AND SECTION REFERENCING

④ ———— DETAIL REFERENCE NUMBER
⑧ ———— SHEET ON WHICH DETAIL APPEARS

(Title) ④ ———— DETAIL REFERENCE NUMBER
(Scale) ⑨ ———— SHEET FROM WHICH DETAIL WAS TAKEN

("TYP" SPECIFIES THAT DETAIL IS UNIFORMLY TYPICAL THROUGHOUT PROJECT EXCEPT WHERE OTHERWISE NOTED.)
("VAR" SPECIFIES THAT DETAIL WAS TAKEN FROM SEVERAL SHEETS.)



SECTION A-A IS SHOWN ON SHEET 32.

SECTION A-A IS TAKEN FROM SHEET 30.

DRAINAGE NOTES

UNLESS OTHERWISE NOTED:

- PIPE LESS THAN 12" DIAMETER SHALL BE CONCRETE PER ASTM C14 CLASS 3.
- DUCTILE IRON PIPE SHALL BE PER ANSI A21.51 CLASS 52 WITH PUSH-ON JOINTS. FITTINGS FOR DUCTILE IRON PIPE SHALL BE DUCTILE PER ANSI A21.10 OR ANSI A21.53 WITH PUSH-ON JOINTS.
- BEDDING SHALL BE CLASS B FOR ALL PIPE EXCEPT DUCTILE IRON PIPE, WHICH SHALL BE CLASS D.
- WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN EACH UTILITY.
- TEES, CATCH BASIN CONNECTIONS, SIDE SEWER, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50%.
- SERVICE DRAINS AND SIDE SEWERS SHALL BE CONNECTED/RECONNECTED AS APPROVED BY THE ENGINEER.
- RELAY EXISTING SERVICE DRAINS/SIDE SEWERS TO CLEAR OVER OR UNDER THE NEW UTILITY AS APPROVED BY THE ENGINEER.
- SERVICE DRAINS AND SIDE SEWERS SHALL NOT BE BACKFIELD UNTIL THE PIPE HAS BEEN INSPECTED AND APPROVED AND THE LOCATION AND DEPTH IS RECORDED BY THE ENGINEER.
- TEES ON NEW PIPE SHALL BE PREFABRICATED.
- SOILS TEST BORING LOCATIONS ARE INDICATED ON THE VICINITY MAP. TEST DATA IS INCLUDED IN THE SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE SUPPORTS FOR POWER POLES NEAR EXCAVATIONS PER SEATTLE CITY LIGHT STANDARDS NO. D3-6.
- CAUTION: 26KV ELECTRICAL OVERHEAD WIRES IN VICINITY.
- STRUCTURE STATIONING ON PROFILE MEASURED FROM STREET CENTERLINE TO CENTER OF STRUCTURE.
- STATIONING & ELEVATION MAY BE MODIFIED IN THE FIELD AS DIRECTED BY ENGINEER.
- PROVIDE ENGINEER 15 DAYS NOTICE PRIOR TO ORDERING WEIR PLATES; ORIFICE DIAMETERS MAY BE ADJUSTED BY ENGINEER.

GRADING NOTES

- GRADING SHALL CONFORM TO SHAPES AND CONFIGURATIONS SHOWN ON PLANS AND AS APPROVED BY ENGINEER. CONTRACTOR SHALL PROVIDE SMOOTH AND ROUNDED TRANSITIONS IN CONTOURS.
- CONTRACTOR SHALL MEET AND MATCH ELEVATIONS OF EXISTING STREET AND RIGHT-OF-WAY EDGES AND AT LIMITS OF GRADING WORK.
- SOIL SLOPES SHALL BE 2H:1V MAXIMUM AND AS DIRECTED BY ENGINEER.
- REINFORCED SOIL WALL SHALL HAVE 1H:4V BATTER MAXIMUM. SEE SPECIAL PROVISIONS AND DETAIL ON SHEET 14.
- TOP ONE (1) FOOT OF FINISH GRADE IN ALL CLEAR AND GRUB AND GRADING AREAS, EXCEPT WITHIN SWALE BOTTOM, SHALL BE EXISTING ON SITE SOIL, ROCK SCREENED AND AMENDED WITH DECOMPOSED ORGANIC MULCH. SEE SPECIAL PROVISIONS.
- SWALE BOTTOM SHALL RECEIVE 12 INCHES MINIMUM OF SWALE SOIL MIX. SEE SPECIAL PROVISIONS.
- PROVIDE 4 INCHES MINIMUM OF SHREDDED MULCH OVER FINISH GRADE IN ALL CLEAR AND GRUB AND GRADING AREAS, EXCEPT IN SWALE BOTTOM. SEE SPECIAL PROVISIONS.
- PROVIDE 3 INCHES MAXIMUM OF MINERAL AGGREGATE TYPE 4, AS MULCH OVER SWALE SOIL MIX IN SWALE BOTTOM.
- INSTALL JUTE MATTING OVER 4 INCHES OF SHREDDED MULCH ON ALL SLOPES 2½H:1V OR STEEPER.

SHEET INDEX

SHT NO.	SHEET DESCRIPTION
1	VICINITY MAP, GENERAL NOTES, SURVEY DATUM BLOCK & DETAIL AND SECTION REFERENCING
2-3	REMOVAL & PROTECTION PLAN
4-8	DRAINAGE PLAN & PROFILE
9-10	CROSS SECTIONS
11-15	DRAINAGE DETAILS
16	METAL LID DETAILS
17	DETAILS - WEIR WALL "A"
18	DETAILS - WEIR WALL "B"

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- NOTES:**
1. TREE PROTECTION PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
 2. ALL VEGETATION AND IMPROVEMENTS ON PRIVATE PROPERTY SHALL BE PROTECTED. IF DAMAGED BY CONTRACTOR, CONTRACTOR SHALL RESTORE TO EQUAL OR BETTER CONDITION, AND AS DIRECTED BY ENGINEER.



GAYNOR, Inc.
Seattle, WA

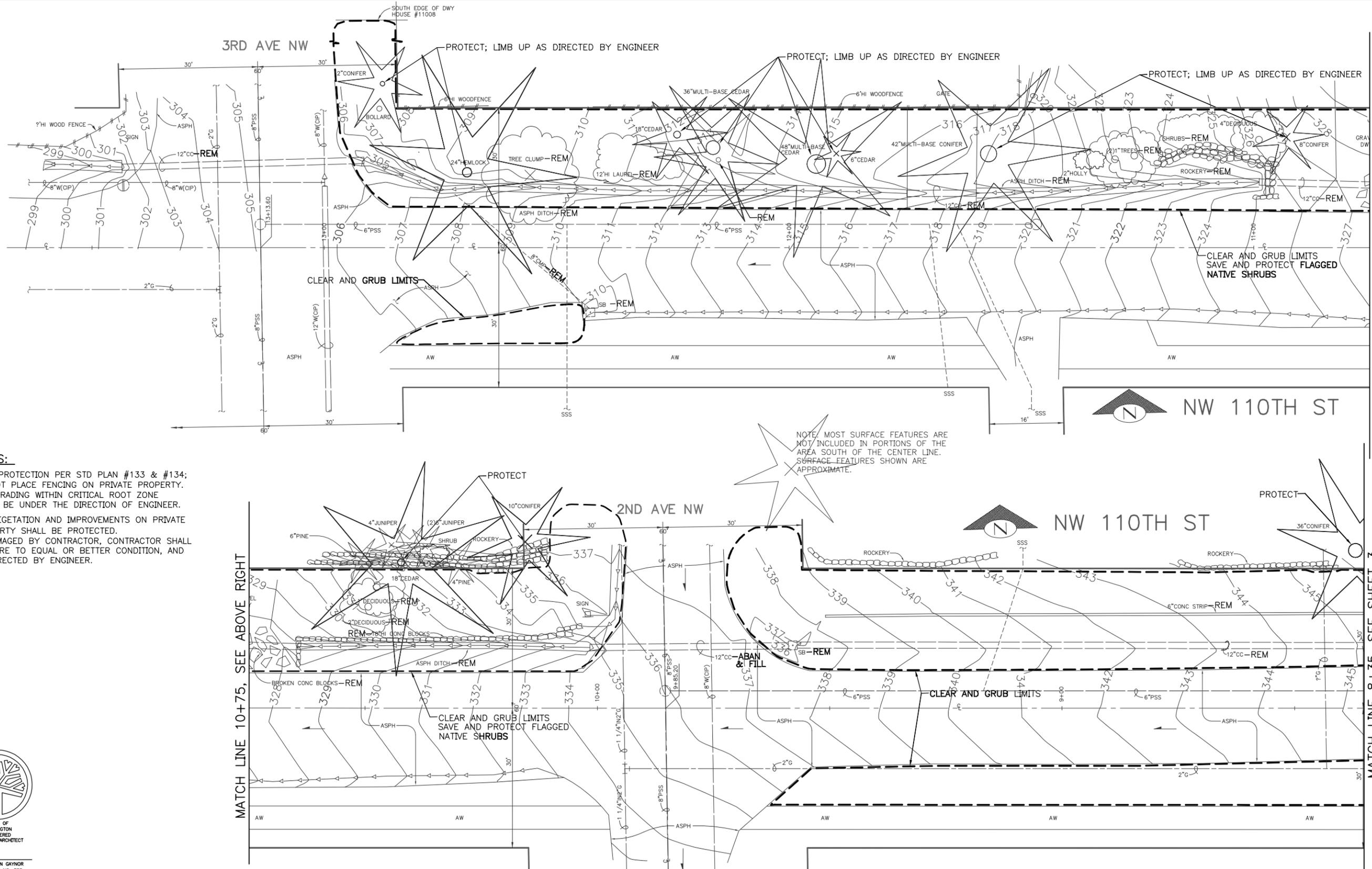
APPROVED FOR ADVERTISING
DWIGHT DIVELY
DIRECTOR OF FINANCE
SEATTLE, WASHINGTON 20
BY: _____
CONTRACTING MANAGER

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED: _____	REVIEWED: _____
CHECKED: _____	CONST. PROJ. MGR. _____
DRAWN: CCH	RECEIVED: _____
CHECKED: _____	REVISED AS BUILT: _____
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City of Seattle
Seattle Public Utilities
Chuck Clarke, Director
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FUND: _____
SCALE: 1" = 10' INSPECTOR'S BOOK

REMOVAL & PROTECTION PLAN 1/2
CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)
JOB NO. PC C301320
R/W CO C301320
VAULT PLAN NO. 777-568
SHEET 2 OF 18

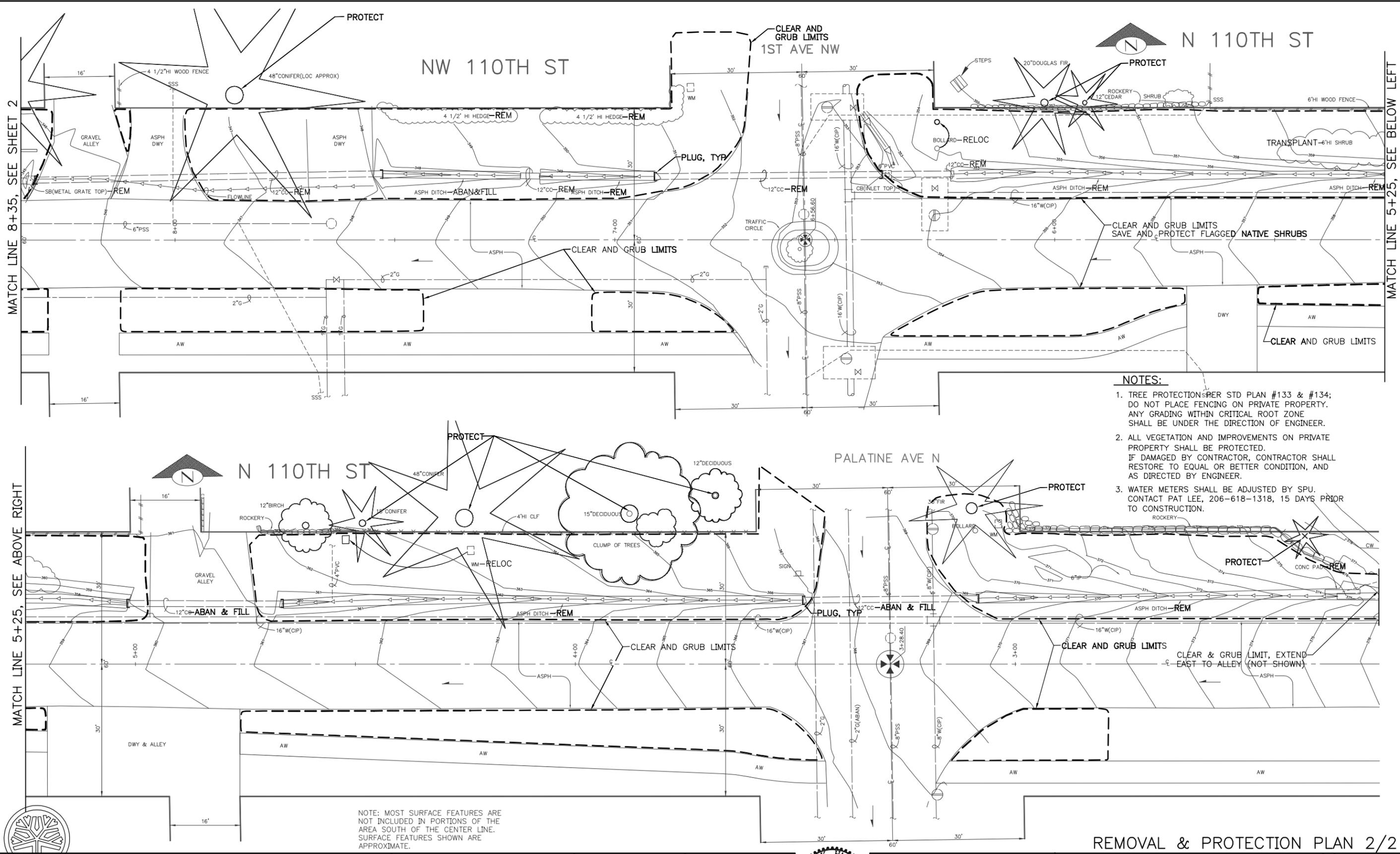


MATCH LINE 10+75, SEE BELOW LEFT

MATCH LINE 8+35, SEE SHEET 3

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MADE	CHK'D	REV'D
DATE	MARK	NATURE
3/4/07		REVISIONS



- NOTES:**
1. TREE PROTECTIONS PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
 2. ALL VEGETATION AND IMPROVEMENTS ON PRIVATE PROPERTY SHALL BE PROTECTED. IF DAMAGED BY CONTRACTOR, CONTRACTOR SHALL RESTORE TO EQUAL OR BETTER CONDITION, AND AS DIRECTED BY ENGINEER.
 3. WATER METERS SHALL BE ADJUSTED BY SPU. CONTACT PAT LEE, 206-618-1318, 15 DAYS PRIOR TO CONSTRUCTION.

NOTE: MOST SURFACE FEATURES ARE NOT INCLUDED IN PORTIONS OF THE AREA SOUTH OF THE CENTER LINE. SURFACE FEATURES SHOWN ARE APPROXIMATE.

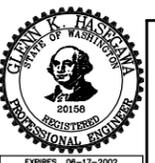


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	SEATRAN PROJ. MGR.
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CCH	CHECKED
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Chuck Clarke, Director

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SCALE: 1"=10' INSPECTOR'S BOOK

REMOVAL & PROTECTION PLAN 2/2

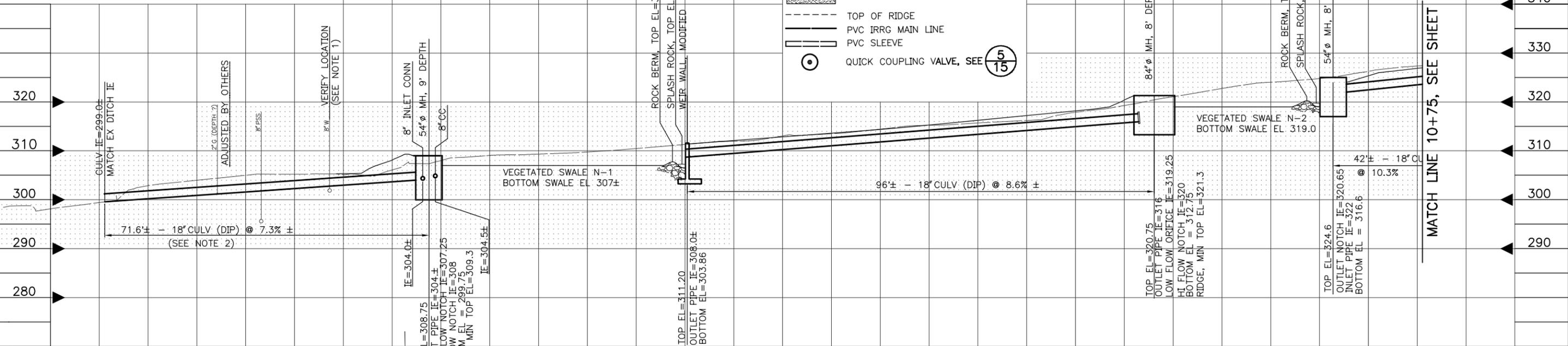
CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

JOB NO.	PC	C301320
R/W CO	R/W	C301320
VAULT PLAN NO.		777-568
SHEET		3 OF 18

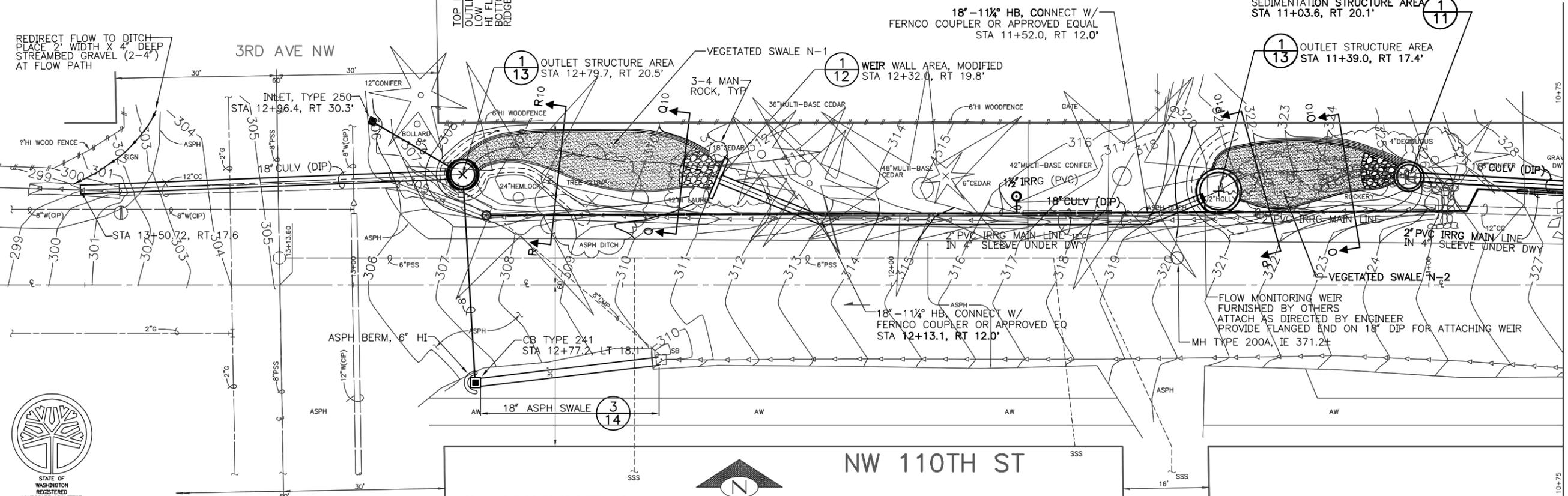
- NOTE:
1. CONTRACTOR SHALL VERIFY LOCATION AND REPORT TO ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
 2. CONTRACTOR SHALL NOTIFY KING COUNTY DEPT OF TRANSPORTATION 7 DAYS PRIOR TO CONSTRUCTION WORK AT 3RD AVE NW.

LEGEND

- ROCK BERM AND SPLASH ROCK AREA
- SWALE BOTTOM SURFACE AREA
- TOP OF RIDGE
- PVC IRRG MAIN LINE
- PVC SLEEVE
- QUICK COUPLING VALVE, SEE 5/15



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 DATE MARK NATURE REVISIONS MADE CHKD REV'D



PEGGY ELLYN GAYNOR
CERTIFICATE NO. 355

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FUND:

SCALE: H. 1"=10' V. 1"=10' INSPECTOR'S BOOK

CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

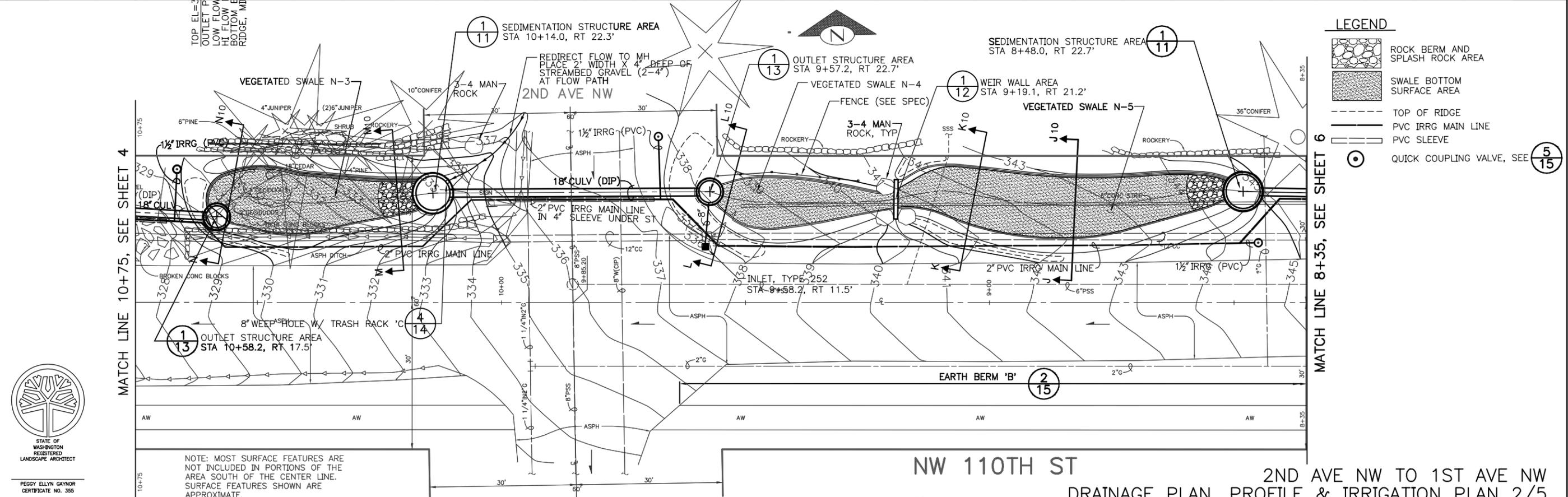
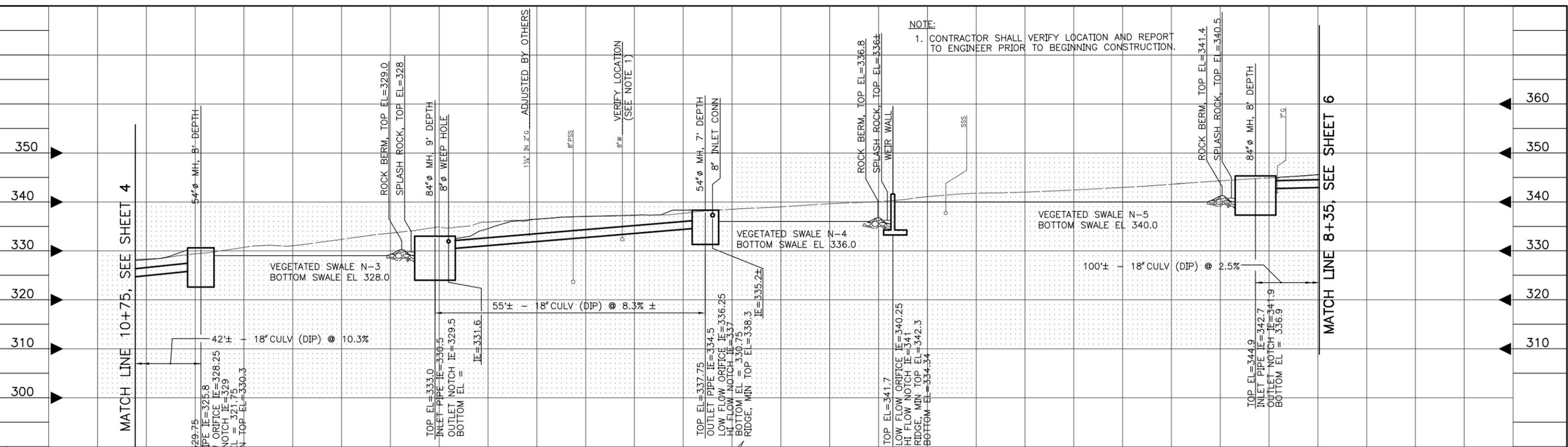
PC C301320
R/W
CO C301320
VAULT PLAN NO. 777-568
SHEET 4 OF 18

MATCH LINE 10+75, SEE SHEET 5

MATCH LINE 10+75, SEE SHEET 5

DATE	MARK	NATURE	REVISIONS

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City of Seattle
Seattle Public Utilities
Chuck Clarke, Director

CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

JOB NO.	PC	C301320
	R/W	
	CO	C301320
VAULT PLAN NO.		777-568
SHEET		5 OF 18

NW 110TH ST
DRAINAGE PLAN, PROFILE & IRRIGATION PLAN 2/5
2ND AVE NW TO 1ST AVE NW

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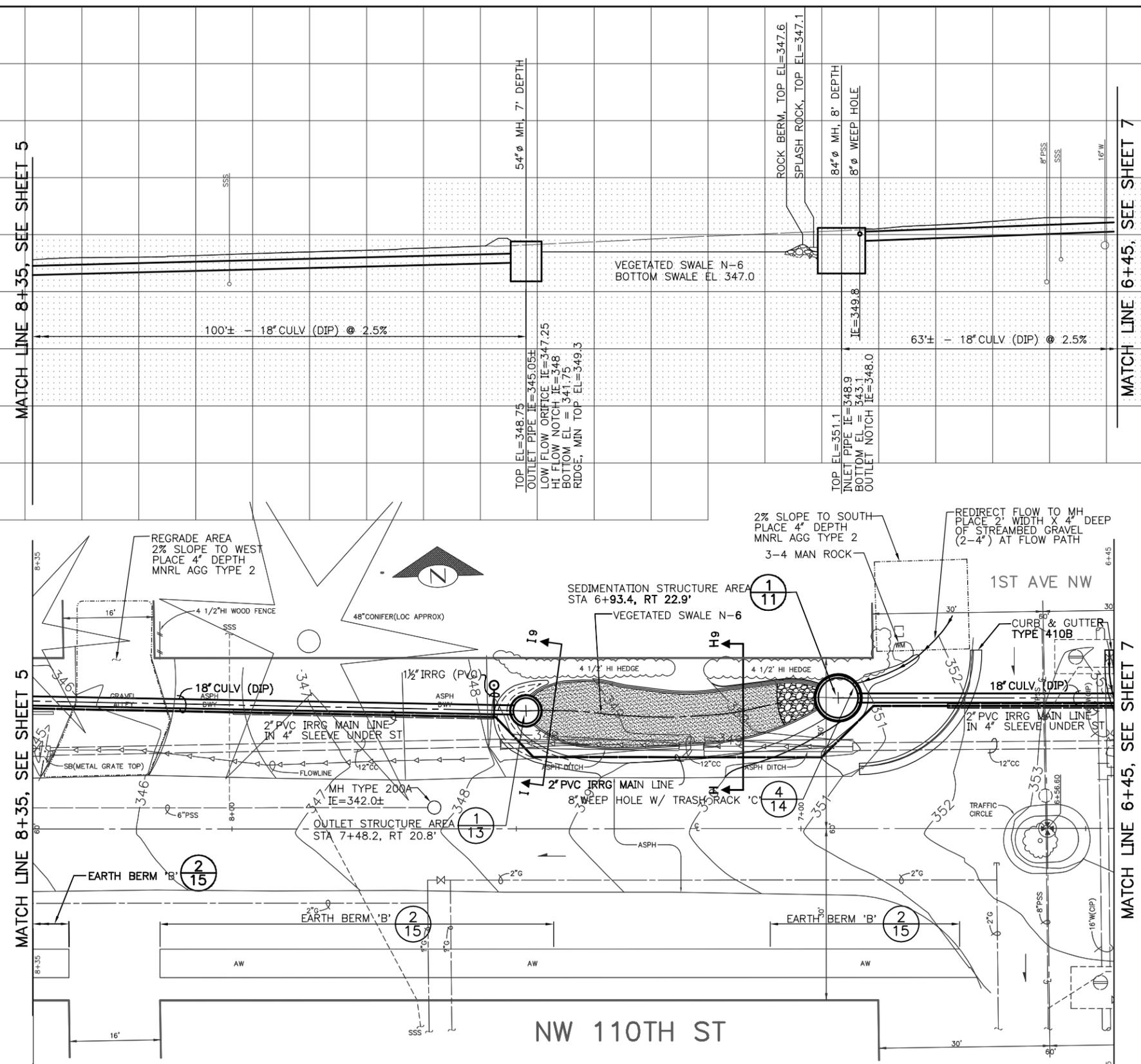


City of Seattle
Seattle Public Utilities
 Chuck Clarke, Director

ORDNANCE NO. APPROVED
 FUND:
 SCALE: H. 1"=10' V. 1"=10' INSPECTOR'S BOOK

CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

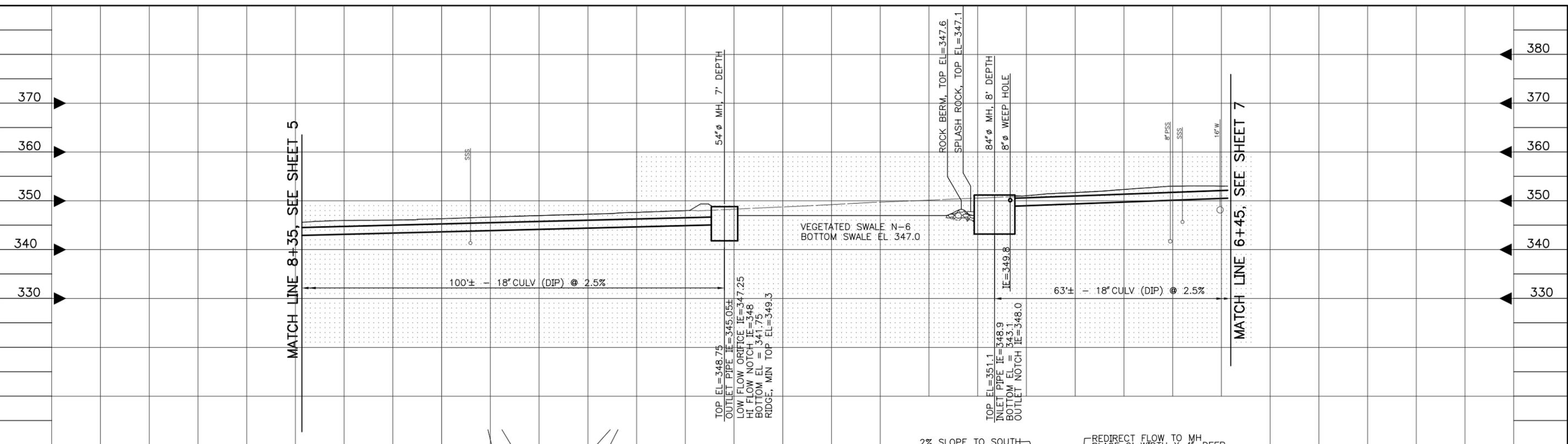
PC C301320
 R/W
 CO C301320
 VAULT PLAN NO.
 777-568
 SHEET 6 OF 18

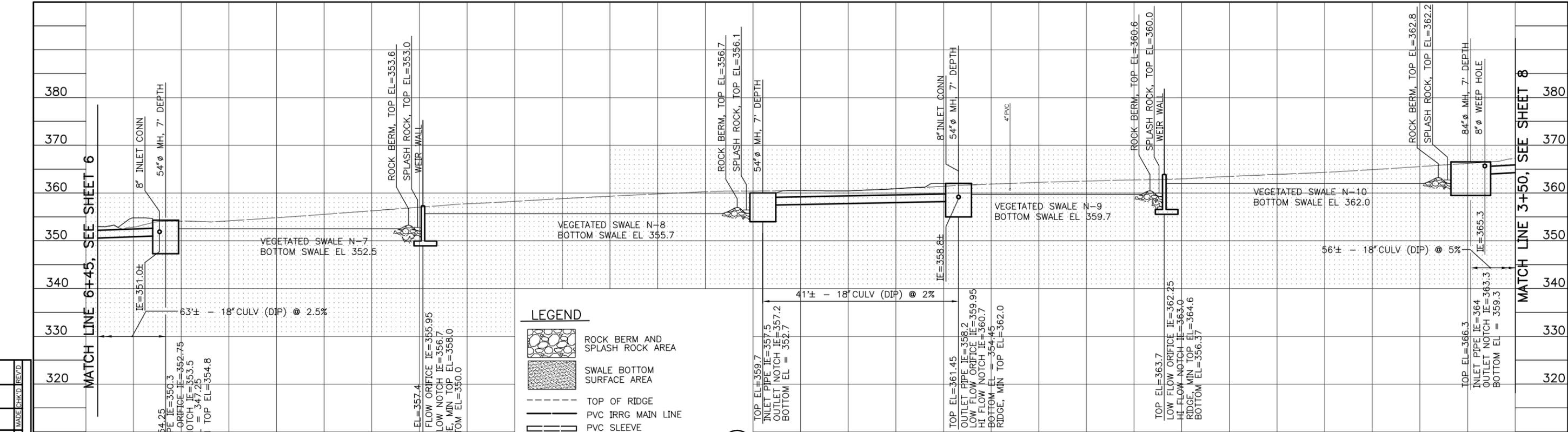


LEGEND

- ROCK BERM AND SPLASH ROCK AREA
- SWALE BOTTOM SURFACE AREA
- TOP OF RIDGE
- PVC IRRG MAIN LINE
- PVC SLEEVE
- QUICK COUPLING VALVE, SEE 5/15

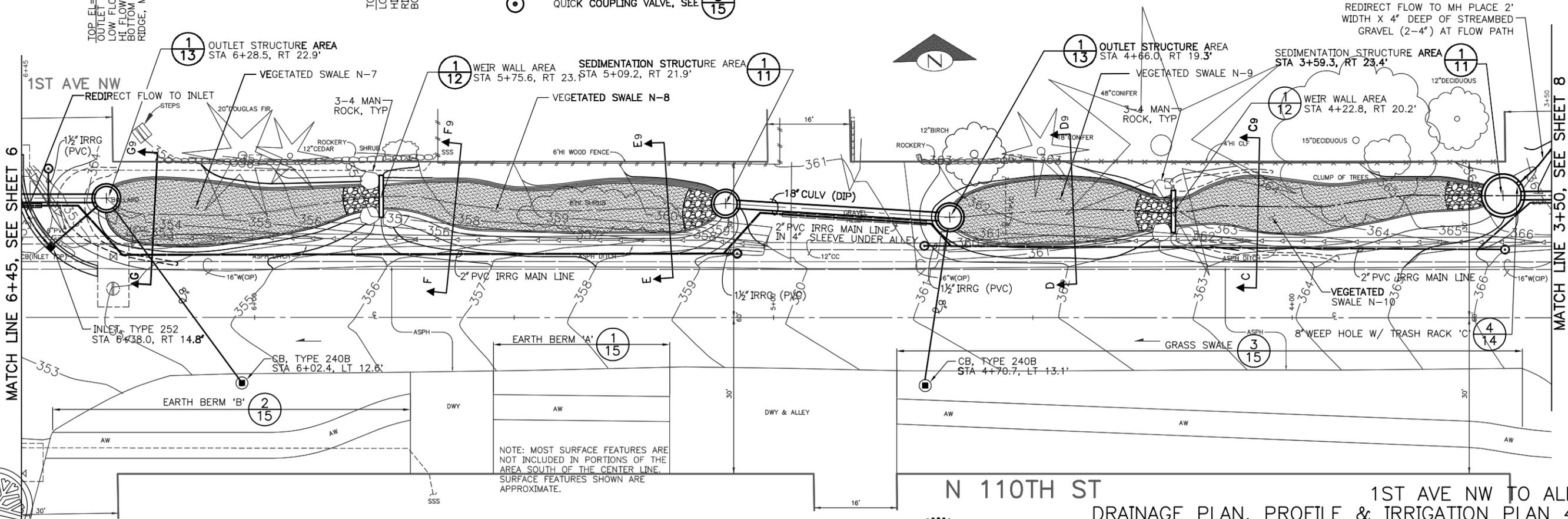
NOTE: MOST SURFACE FEATURES ARE NOT INCLUDED IN PORTIONS OF THE AREA SOUTH OF THE CENTER LINE. SURFACE FEATURES SHOWN ARE APPROXIMATE.





- LEGEND**
- ROCK BERM AND SPLASH ROCK AREA
 - SWALE BOTTOM SURFACE AREA
 - TOP OF RIDGE
 - PVC IRRG MAIN LINE
 - PVC SLEEVE
 - QUICK COUPLING VALVE, SEE 5/15

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CHECKED: [Signature]	CONST. PROJ. MGR. [Signature]
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City of Seattle
Seattle Public Utilities
 Chuck Clarke, Director

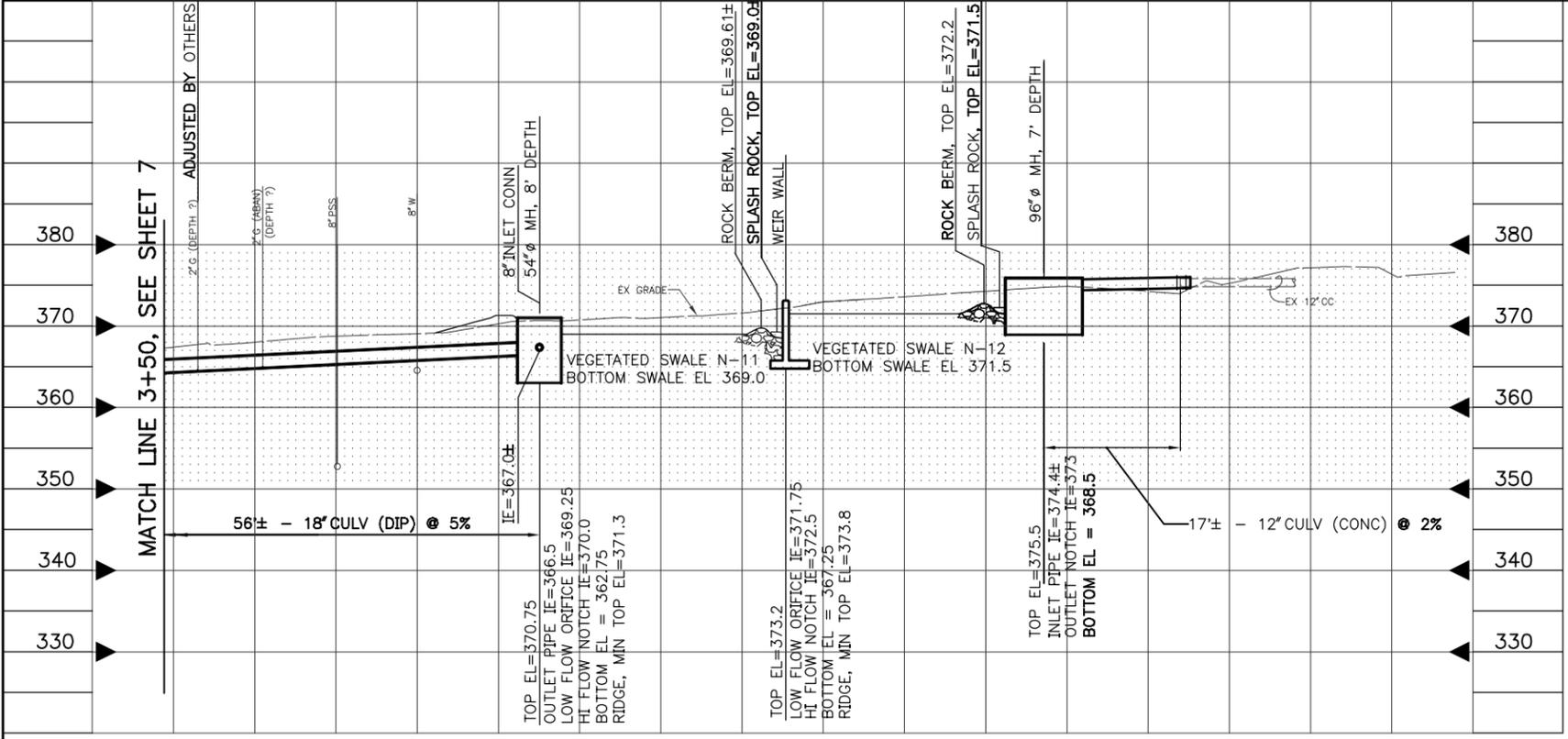
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CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

PC C301320
 R/W []
 CO C301320
 VAULT PLAN NO. 777-568
 SHEET 7 OF 18

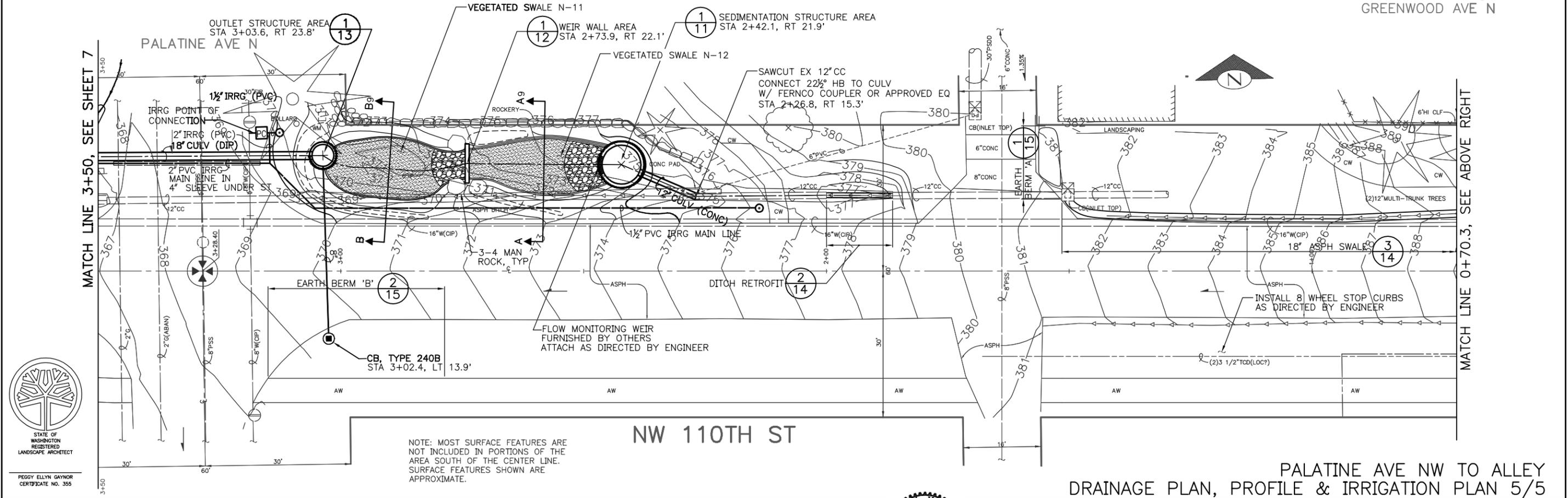
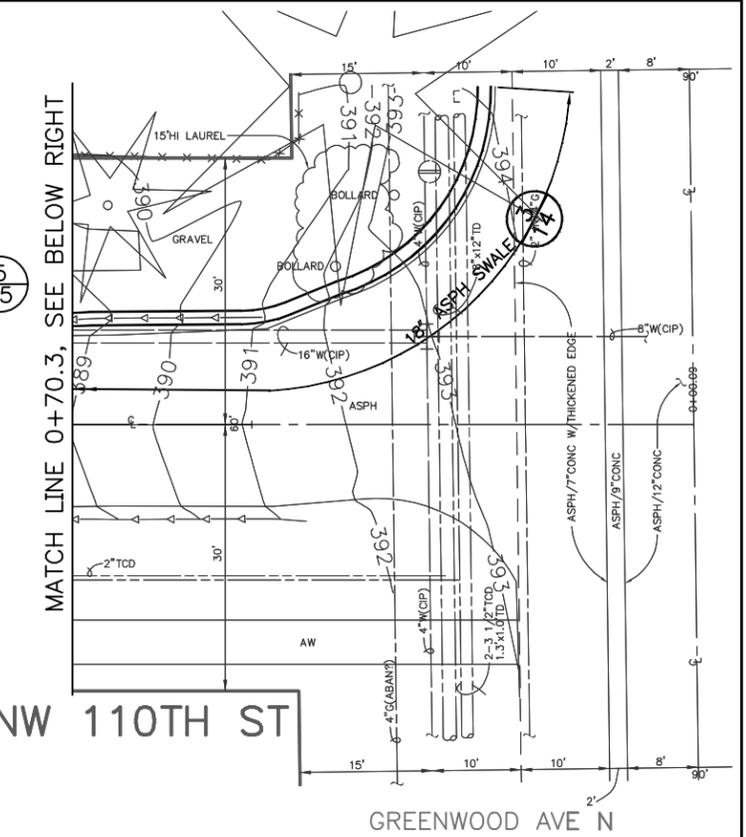
N 110TH ST **1ST AVE NW TO ALLEY**
DRAINAGE PLAN, PROFILE & IRRIGATION PLAN 4/5

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 DATE MARK NATURE REVISIONS
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LEGEND

- ROCK BERM AND SPLASH ROCK AREA
- SWALE BOTTOM SURFACE AREA
- TOP OF RIDGE
- PVC IRRG MAIN LINE
- PVC SLEEVE
- QUICK COUPLING VALVE, SEE 5/15
- POINT OF CONNECTION 4/15



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 Seattle, WA

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 DWIGHT DIVELY
 DIRECTOR OF FINANCE
 SEATTLE, WASHINGTON 20

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DESIGNED	REVIEWED:
CHECKED	DES. CONST.
	SEATRAN PROJ. MGR.
DRAWN	RECEIVED
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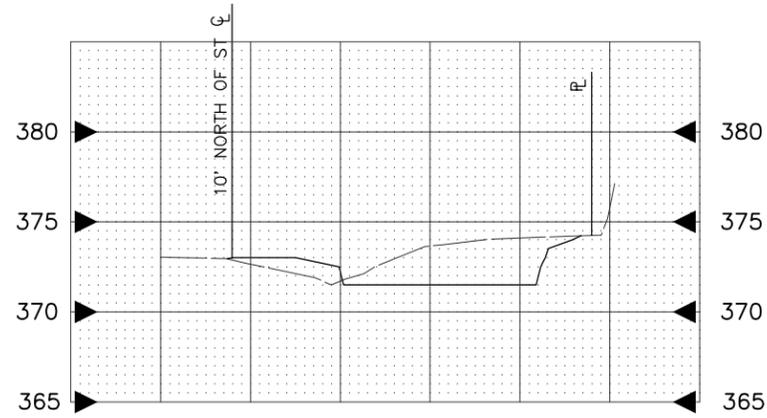


City of Seattle
Seattle Public Utilities
 Chuck Clarke, Director

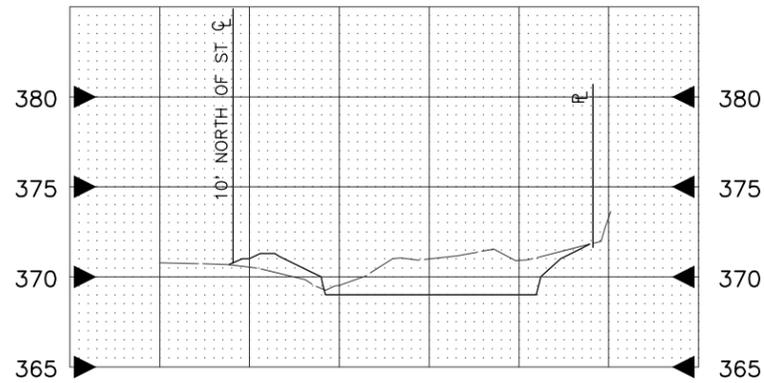
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CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

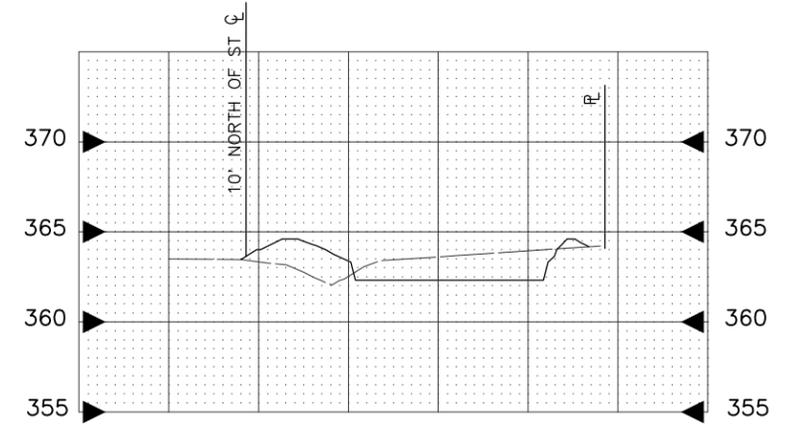
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R/W	CO	C301320
VAULT PLAN NO.		777-568
SHEET		8 OF 18



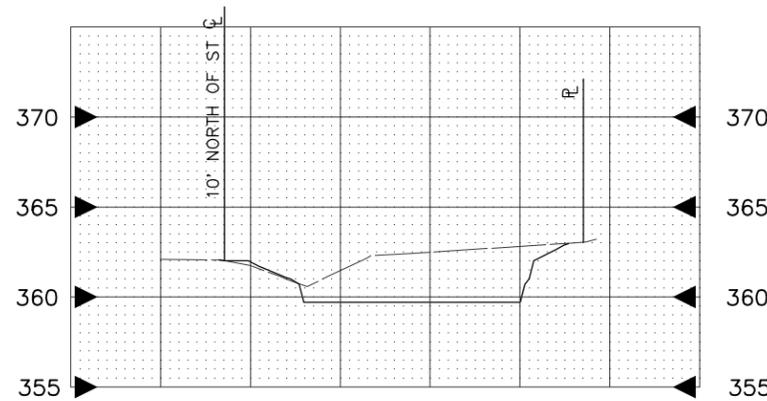
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VEGETATED SWALE N-12



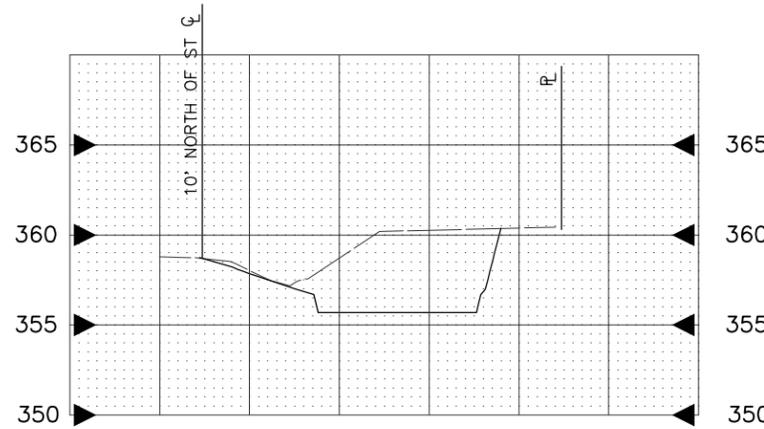
SECTION B-B8
VEGETATED SWALE N-11



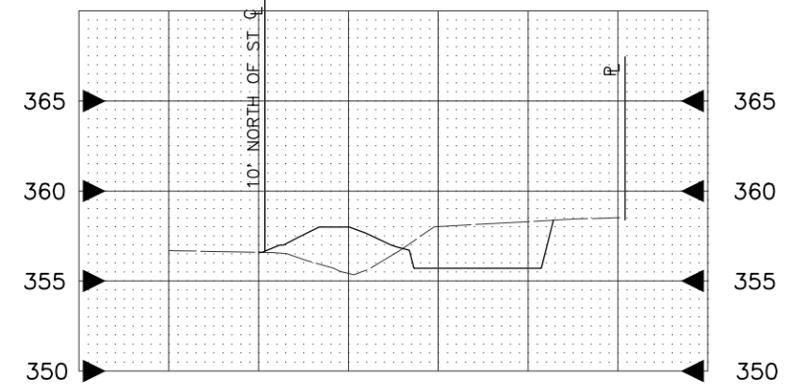
SECTION C-C7
VEGETATED SWALE N-10



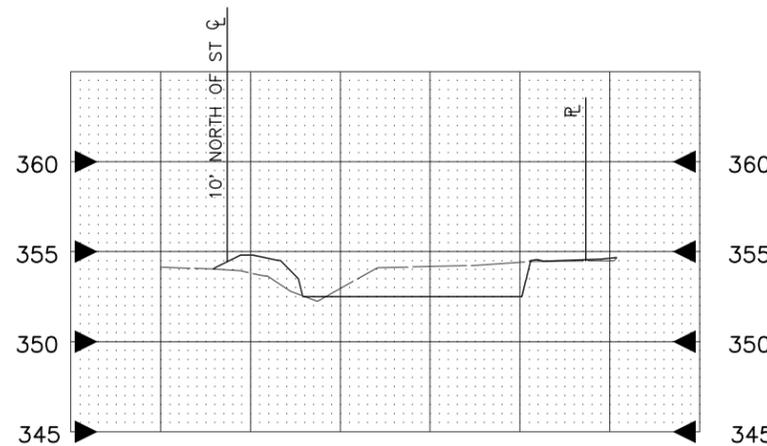
SECTION D-D7
VEGETATED SWALE N-9



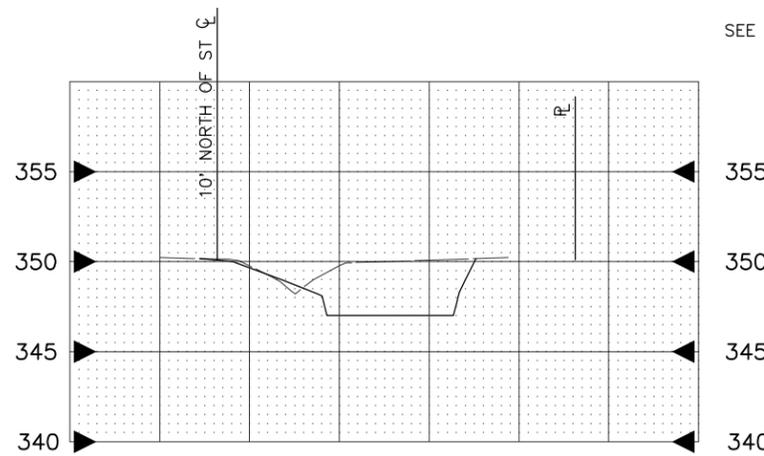
SECTION E-E7
VEGETATED SWALE N-8



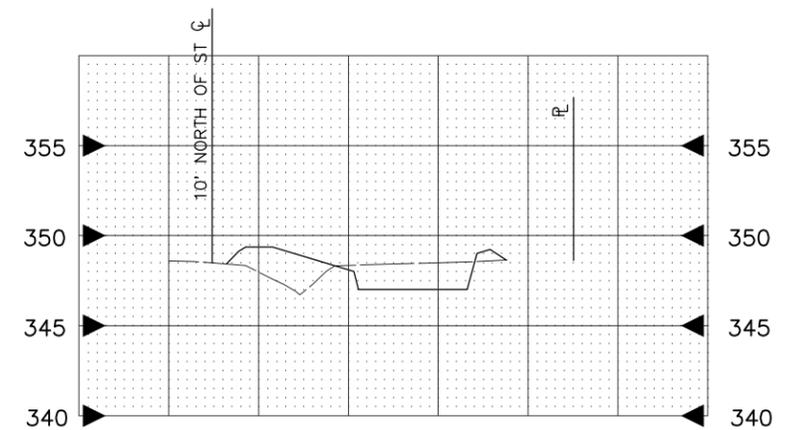
SECTION F-F7
VEGETATED SWALE N-8



SECTION G-G7
VEGETATED SWALE N-7



SECTION H-H6
VEGETATED SWALE N-6



SECTION I-I6
VEGETATED SWALE N-6

NOTE:
ALL 1:4 BATTERS ARE REINFORCED
SEE $\frac{1}{14}$

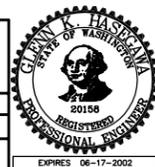
CROSS SECTION 1/2

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 VAULT SERIAL NO. DATE MARK NATURE REVISIONS MADE CHK'D REV'D

APPROVED FOR ADVERTISING
 DWIGHT DIVELY
 DIRECTOR OF FINANCE
 SEATTLE, WASHINGTON 20

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST.
	SEATRAN PROJ. MGR.
DRAWN	RECEIVED
CCH	REVISAS BUILT
CHECKED	

ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.



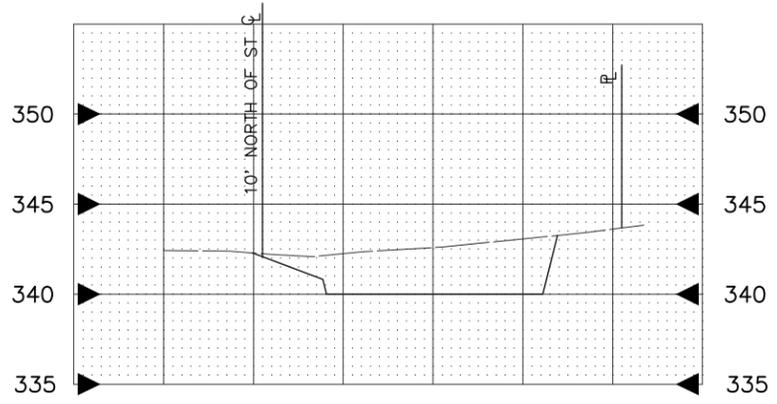
City of Seattle
Seattle Public Utilities
 Chuck Clarke, Director

ORDINANCE NO. APPROVED
 FUND:
 SCALE: H. 1"=5' V. 1"=5' INSPECTOR'S BOOK

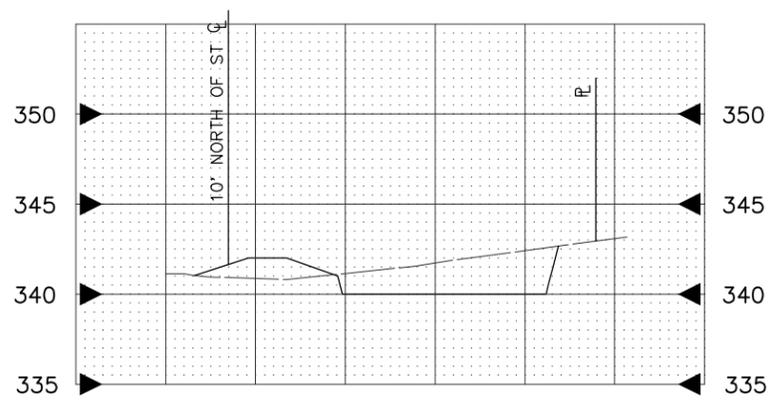
CARKEEK CASCADE
 NW 110TH ST
 (3RD AVE NW TO GREENWOOD AVE N)

JOB NO.	PC C301320
R/W	
CO	C301320
VAULT PLAN NO.	777-568
SHEET	9 OF 18

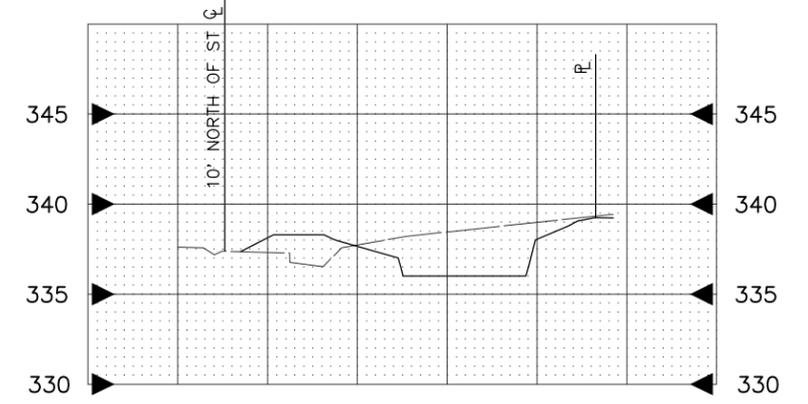
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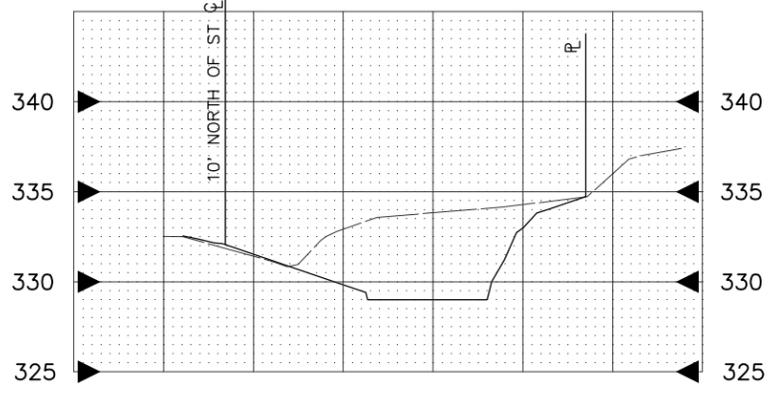
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VEGETATED SWALE N-5



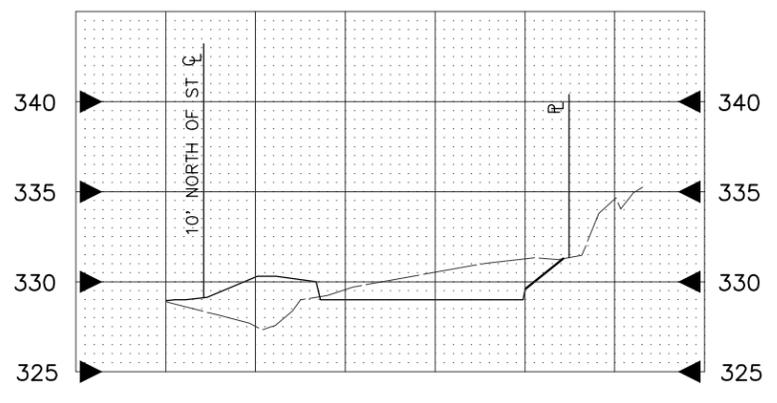
SECTION K-K₅
VEGETATED SWALE N-5



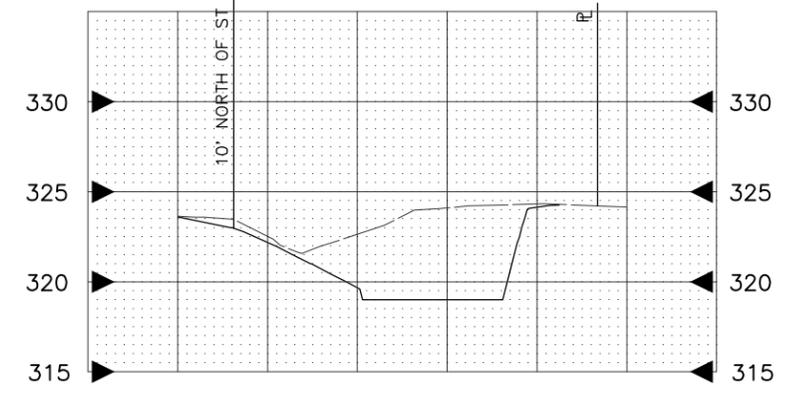
SECTION L-L₅
VEGETATED SWALE N-4



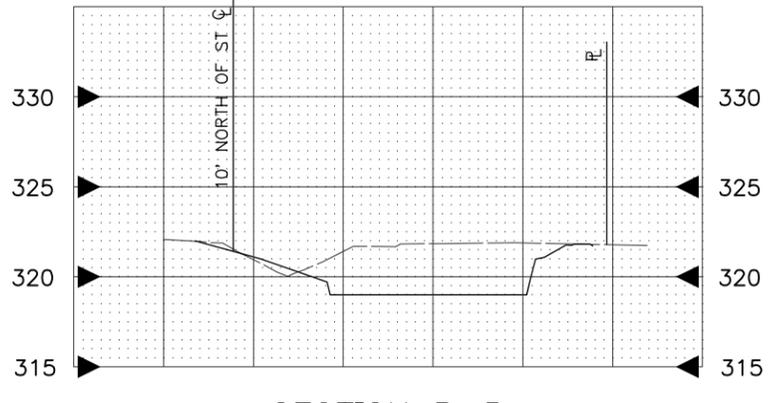
SECTION M-M₅
VEGETATED SWALE N-3



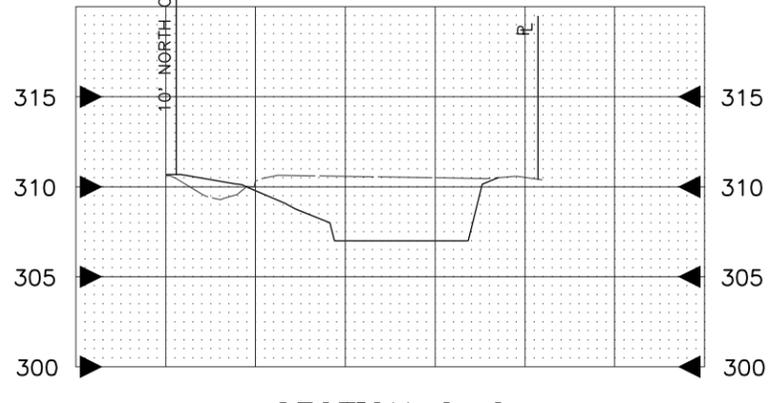
SECTION N-N₅
VEGETATED SWALE N-3



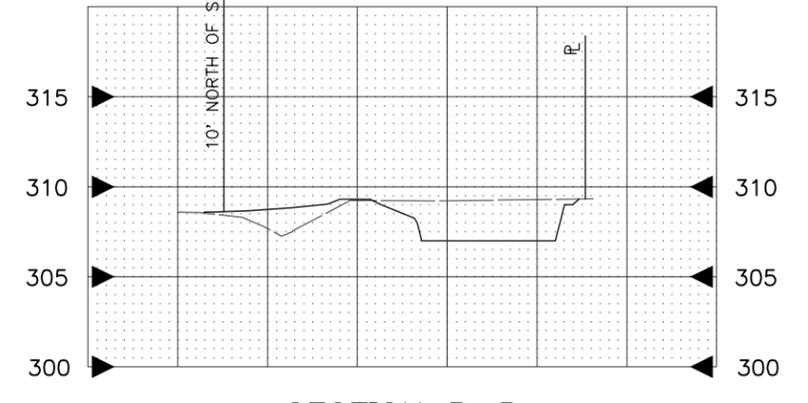
SECTION O-O₄
VEGETATED SWALE N-2



SECTION P-P₄
VEGETATED SWALE N-2



SECTION Q-Q₄
VEGETATED SWALE N-1



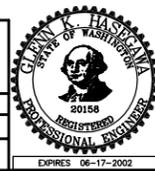
SECTION R-R₄
VEGETATED SWALE N-1

NOTE:
ALL 1:4 BATTERS ARE REINFORCED
SEE $\frac{1}{14}$

CROSS SECTION 2/2

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 SEATTLE, WASHINGTON 20
 BY: CONTRACTING MANAGER

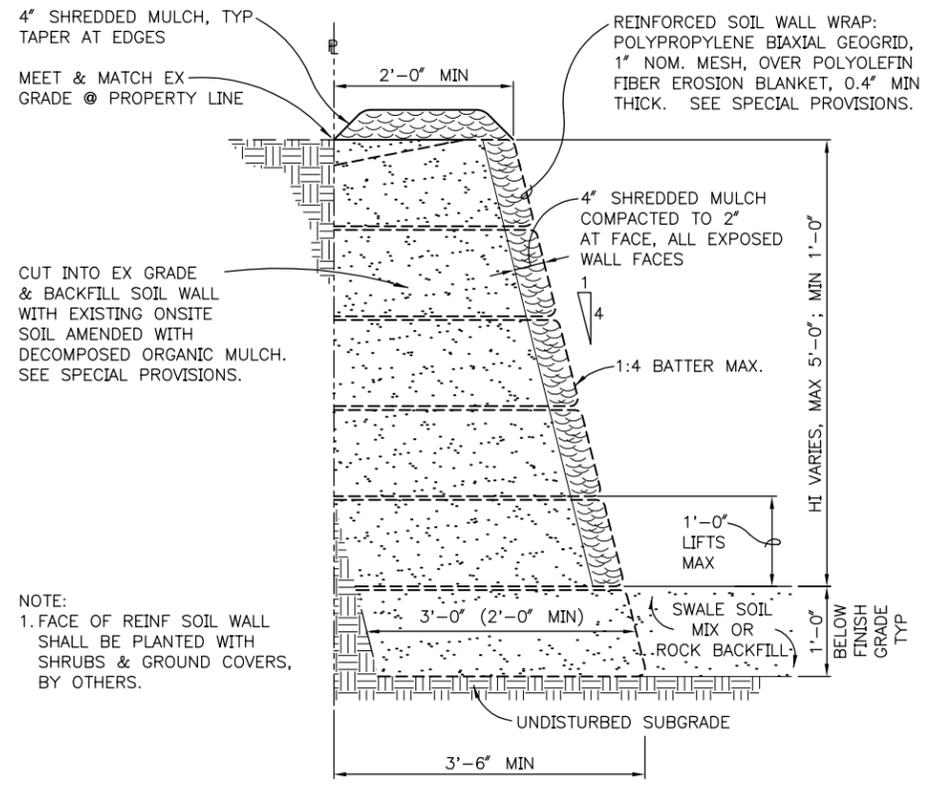
NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST.
	SEATRAN PROJ. MGR.
DRAWN	RECEIVED
CHECKED CCH	REVISED AS BUILT
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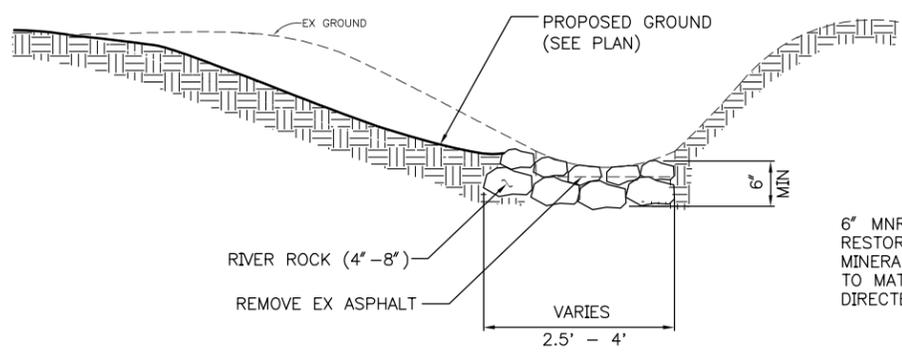
City of Seattle
Seattle Public Utilities
 Chuck Clarke, Director
 ORDINANCE NO. APPROVED
 FUND:
 SCALE: H. 1"=5' V. 1"=5' INSPECTOR'S BOOK

CARKEEK CASCADE
 NW 110TH ST
 (3RD AVE NW TO GREENWOOD AVE N)

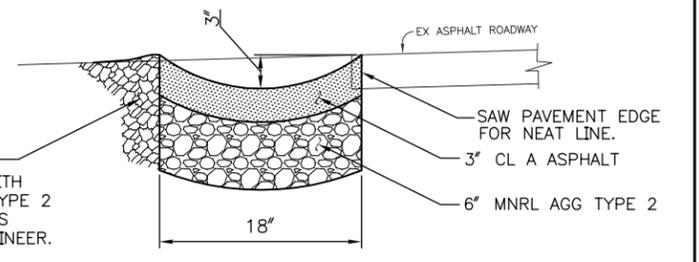
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R/W	
CO	C301320
VAULT PLAN NO.	777-568
SHEET	10 OF 18



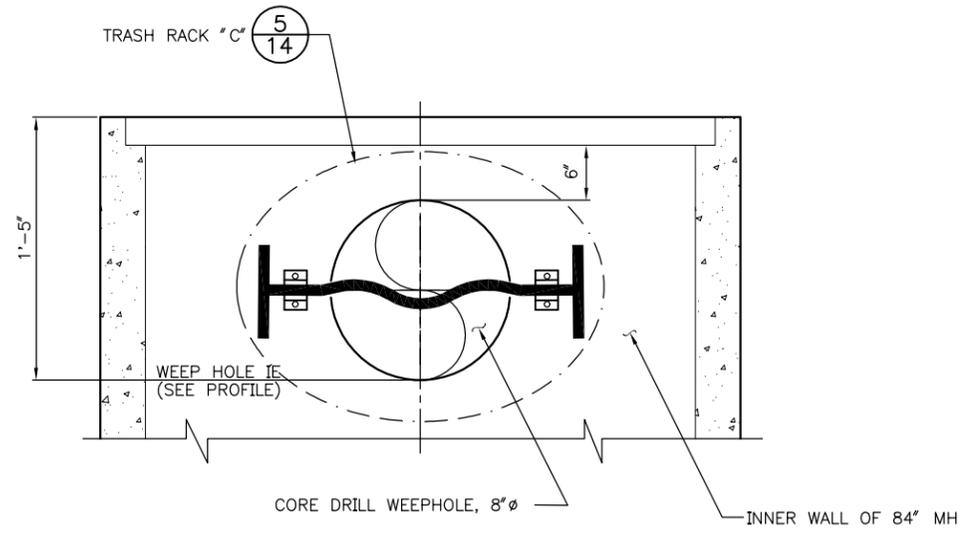
REINFORCED SOIL WALL (1)
SCALE: 1"=1'-0"
4,5,6,7&8



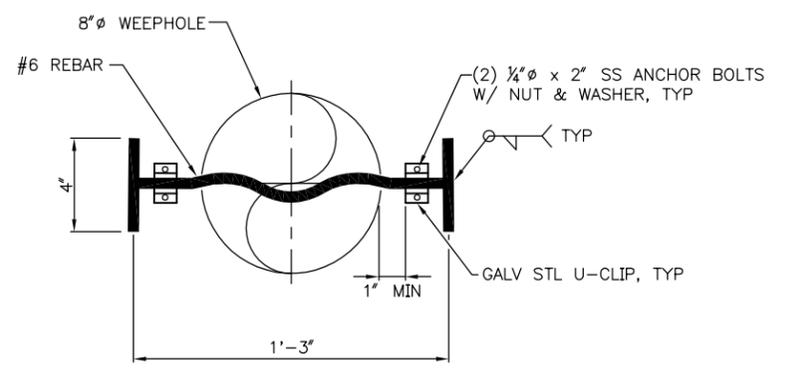
DITCH RETROFIT (2)
VIEW FACING EAST (8)
SCALE: 1"=1'-0"



ASPHALT SWALE (3)
SCALE: 1 1/2"=1'-0"
4,8



8" Ø WEEPHOLE W/ TRASH RACK "C" (4)
VIEW INSIDE 84" MH LOOKING OUT (5,6,7)
SCALE: 3"=1'-0"



NOTES:
1. HOT DIP GALV TRASH RACK AFTER FABRICATION.
2. ATTACH FROM INSIDE MANHOLE.
3. FIELD FIT TO APPROX MATCH MH CURVATURE

TRASH RACK "C" (5)
VIEW INSIDE 84" MH LOOKING OUT (14)
SCALE: 3"=1'-0"

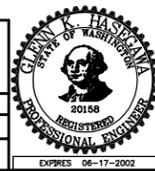


PEGGY ELLYN GAYNOR
REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO. 355

GAYNOR, Inc.
Seattle, WA

APPROVED FOR ADVERTISING
DWIGHT DIVELY
DIRECTOR OF FINANCE
SEATTLE, WASHINGTON 20
BY: CONTRACTING MANAGER

NAME OR INITIALS AND DATE DESIGNED CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SEATRAN PROJ. MGR.
DRAWN CHECKED	RECEIVED REVISED AS BUILT
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	



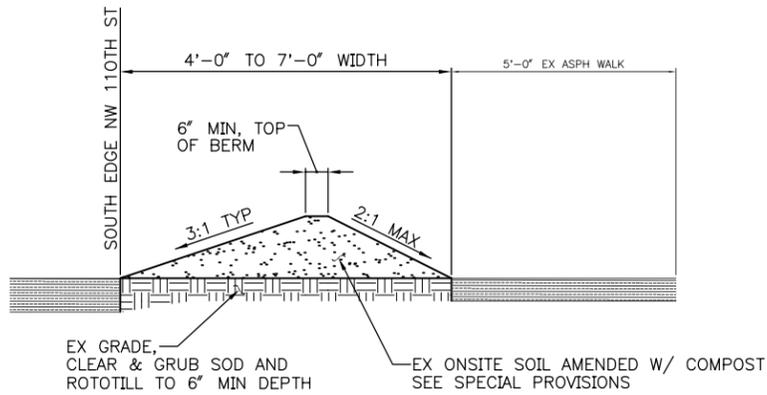
City of Seattle
Seattle Public Utilities
Chuck Clarke, Director
ORDINANCE NO. APPROVED
FUND: INSPECTOR'S BOOK
SCALE: NOTED

CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

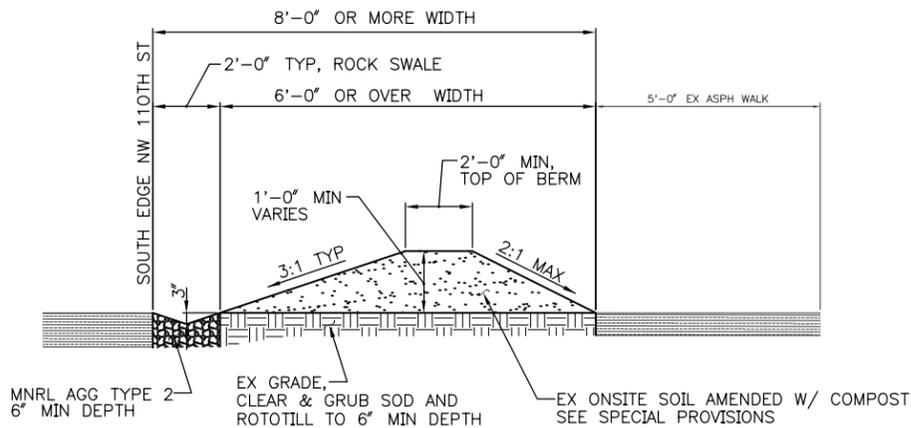
NO. PC	C301320
JOB NO. R/W	
CO	C301320
VAULT PLAN NO.	777-568
SHEET 14 OF 18	

DRAINAGE DETAILS

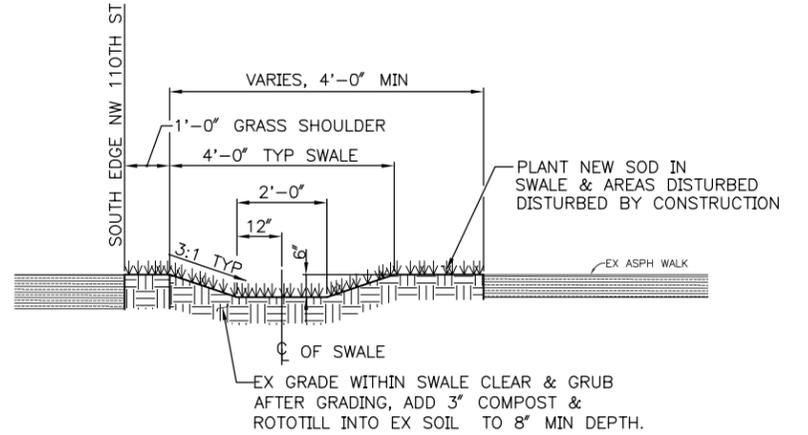
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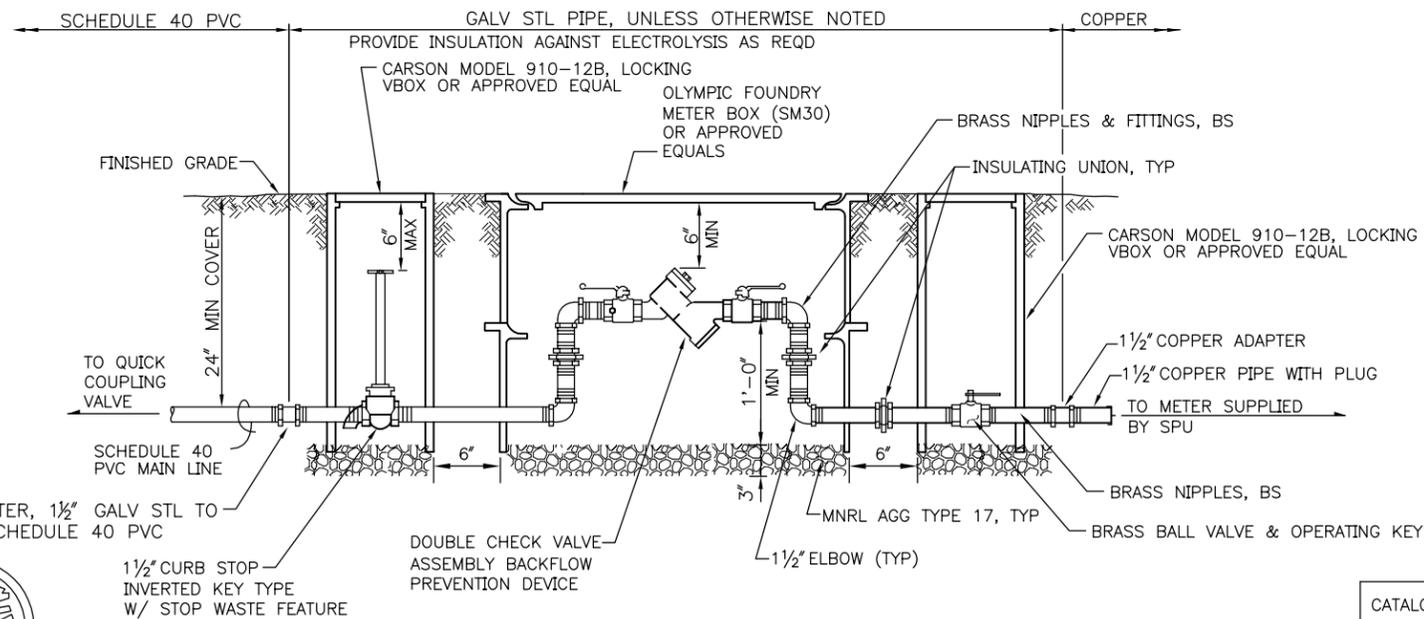
EARTH BERM 'A'
 (4' TO 7' WIDTH PLANTING STRIP WITHOUT SWALE)
 SCALE: 1"=2'-0"



EARTH BERM 'B'
 (8' OR MORE WIDTH PLANTING STRIP WITH ROCK-LINED SWALE)
 SCALE: 1"=2'-0"

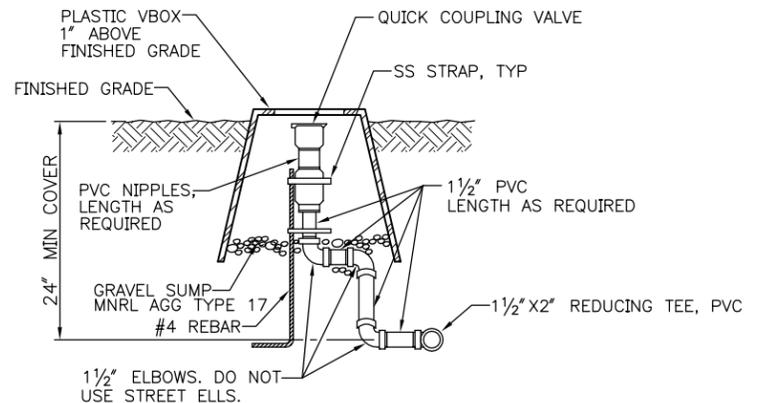


GRASS SWALE
 (PLANTING STRIP)
 SCALE: 1"=2'-0"



POINT OF CONNECTION
 SCALE: NTS

- NOTE:**
1. THE SYSTEM SHALL HAVE A 3/4" WATER METER INSTALLED BY THE CITY, WITH 55 POUNDS STATIC WATER PRESSURE.
 2. THE CONTRACTOR SHALL TEST AND MAKE AVAILABLE TEST REPORTS AS REQUIRED.
 3. AFTER INSTALLATION COMPLETE CONTACT SPU AT 233-2635 FOR INSPECTION OF BACKFLOW FACILITY.
 4. CONTRACTOR SHALL SUPPLY FOUR (4) MINIMUM OF ALL IRRIGATION EQUIPMENT BOX AND VALVE KEYS, AND BRASS HOSE ELLS.



QUICK COUPLING VALVE
 SCALE: NTS

IRRIGATION EQUIPMENT INDEX

CATALOG NO.	SYMBOL	MANUFACTURER OR EQUIVALENT; DESCRIPTION
#107005-1"	B&K;	1" BRASS BALL VALVE
805YBV-1"	FEBCO;	1" DOUBLE CHECK VALVE ASSEMBLY
500-1 1/4"	WILKING;	1 1/4" PRESSURE REDUCING VALVE
44NP (1")	RAIN BIRD;	1" QUICK COUPLING VALVE
44K	RAIN BIRD;	QUICK COUPLING KEY
SH-1	RAIN BIRD;	SWIVEL HOSE ELL (1" x 3/4")



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 Seattle, WA

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 SEATTLE, WASHINGTON 20

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 DRAWN CPS
 CHECKED
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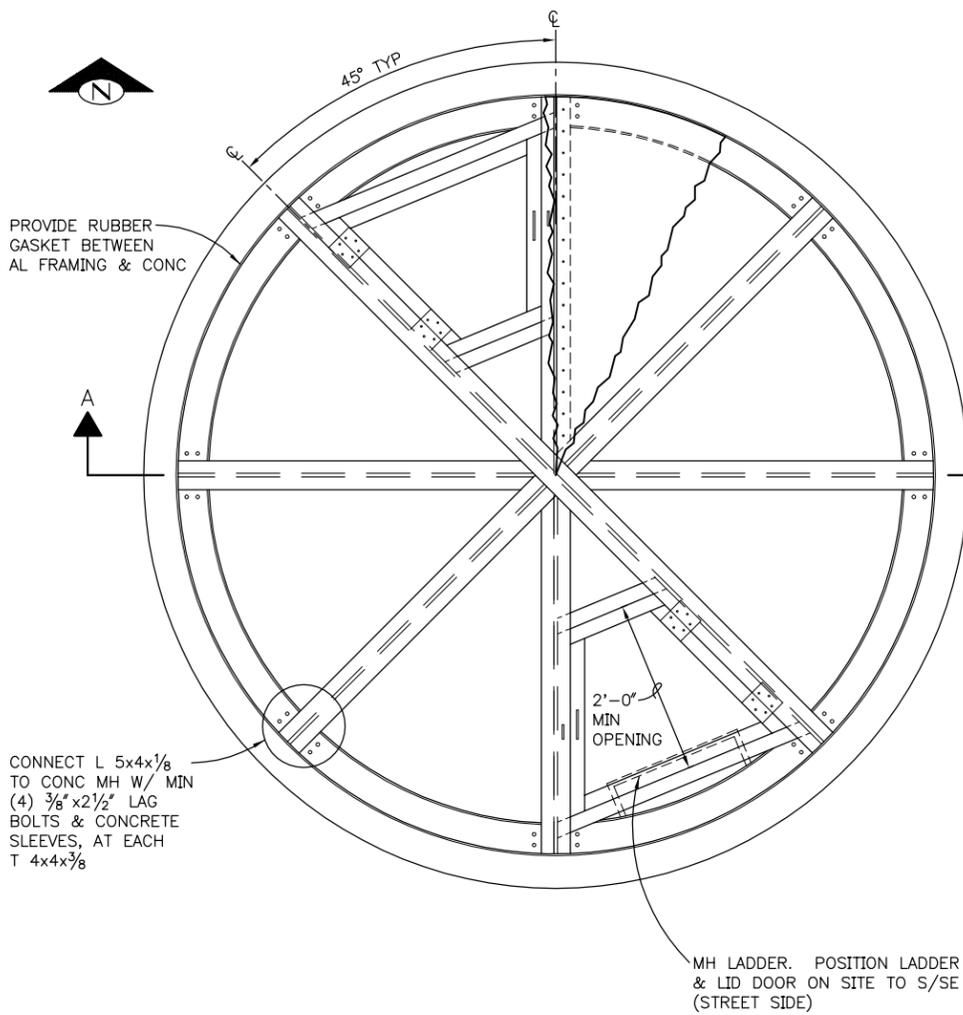
INITIALS AND DATE
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 DES. CONST.
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City of Seattle
Seattle Public Utilities
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 ORDINANCE NO. APPROVED
 FUND:
 SCALE: NOTED INSPECTOR'S BOOK

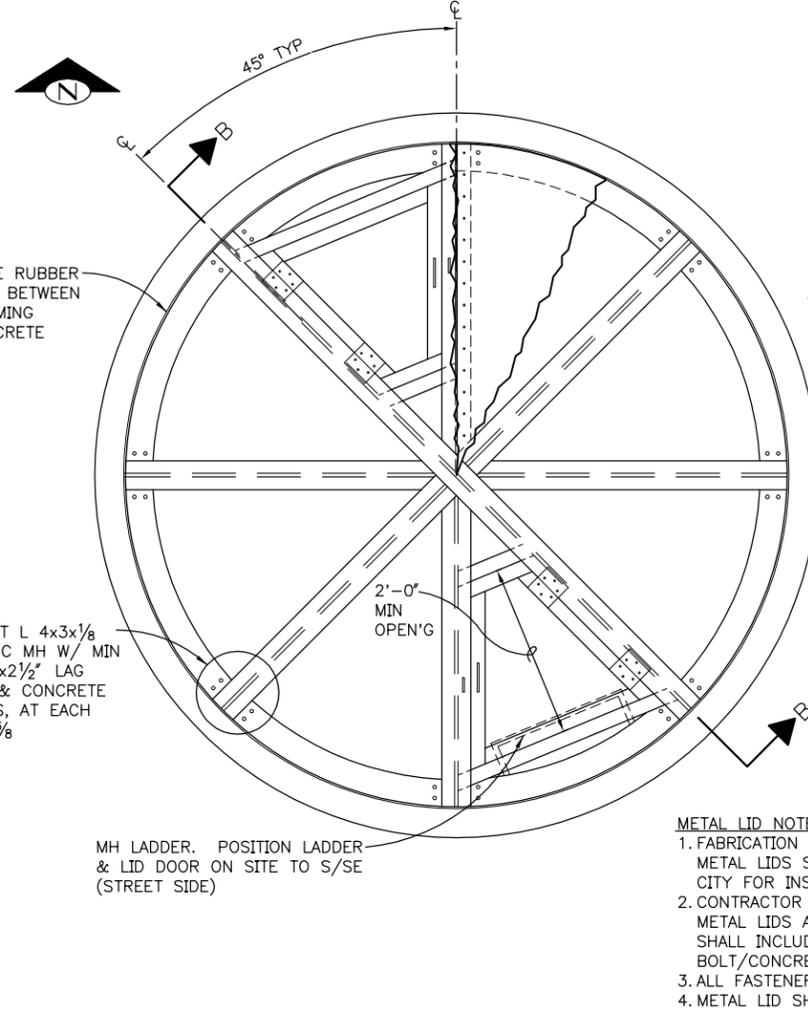
CARKEEK CASCADE
NW 110TH ST
(3RD AVE NW TO GREENWOOD AVE N)

PC C301320
 R/W
 CO C301320
 VAULT PLAN NO.
 777-568
 SHEET 15 OF 18

VAULT SERIAL NO. 1:24 PM07
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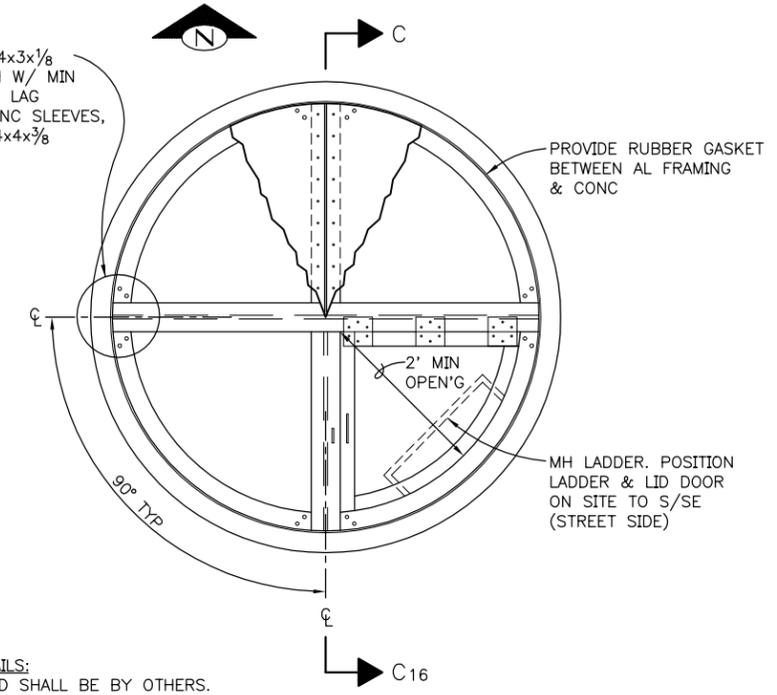
PLAN
METAL LID FRAMING FOR 96" MH ①
 SCALE: 1" = 1'-0"



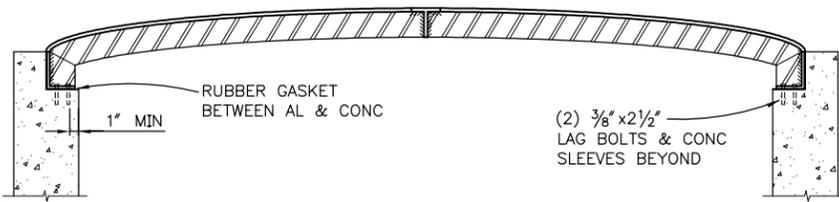
PLAN
METAL LID FRAMING FOR 84" MH ②
 SCALE: 1" = 1'-0"

CONNECT L 4x3x1/8 TO CONC MH W/ MIN (4) 3/8" x 2 1/2" LAG BOLTS & CONCRETE SLEEVES, AT EACH T 4x4x3/8

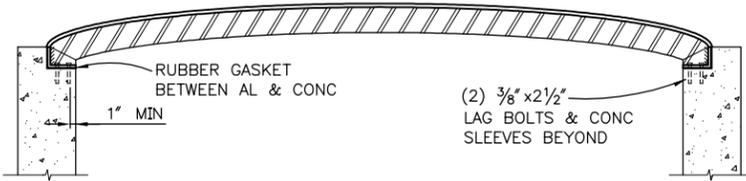
- METAL LID NOTES, ALL DETAILS:**
1. FABRICATION OF METAL LID SHALL BE BY OTHERS. METAL LIDS SHALL BE SUPPLIED BY CITY FOR INSTALLATION BY CONTRACTOR.
 2. CONTRACTOR SHALL POSITION AND INSTALL METAL LIDS AS INDICATED. METAL LID INSTALLATION SHALL INCLUDE PROVIDING RUBBER GASKET AT AND LAG BOLT/CONCRETE SLEEVE CONNECTIONS TO CONCRETE MANHOLE.
 3. ALL FASTENERS SHALL BE ALUMINUM OR STAINLESS STEEL, SIZES AS SHOWN.
 4. METAL LID SHALL BE DESIGNED AND FABRICATED TO H2O LOADING.



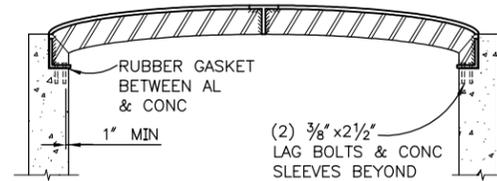
PLAN
METAL LID FRAMING FOR 54" MH ③
 SCALE: 1" = 1'-0"



SECTION A-A16
METAL LID FOR 96" MH (1 TOTAL)
 SCALE: 1" = 1'-0"



SECTION B-B16
METAL LID FOR 84" MH (5 TOTAL)
 SCALE: 1" = 1'-0"



SECTION C-C16
METAL LID FOR 54" MH (9 TOTAL)
 SCALE: 1" = 1'-0"

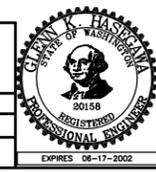


PEGGY ELLYN GAYNOR
 CERTIFICATE NO. 355

GAYNOR, Inc.
 Seattle, WA

APPROVED FOR ADVERTISING
 DWIGHT DIVELY
 DIRECTOR OF FINANCE
 SEATTLE, WASHINGTON 20

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DRAWN CHECKED CPS	RECEIVED
BY:	REVISED AS BUILT
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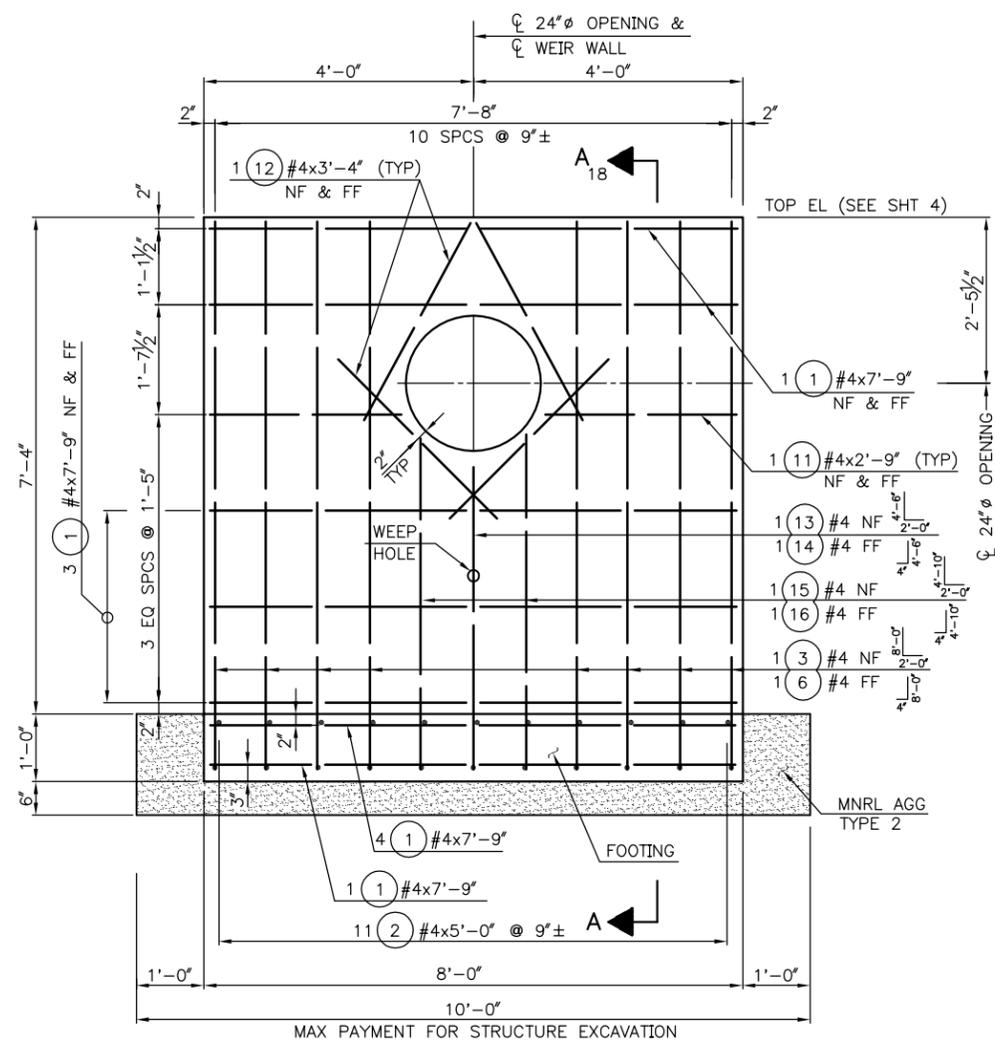
METAL LID

PC	C301320
R/W	C301320
CO	C301320
VAULT PLAN NO.	777-568
SHEET	16 OF 18

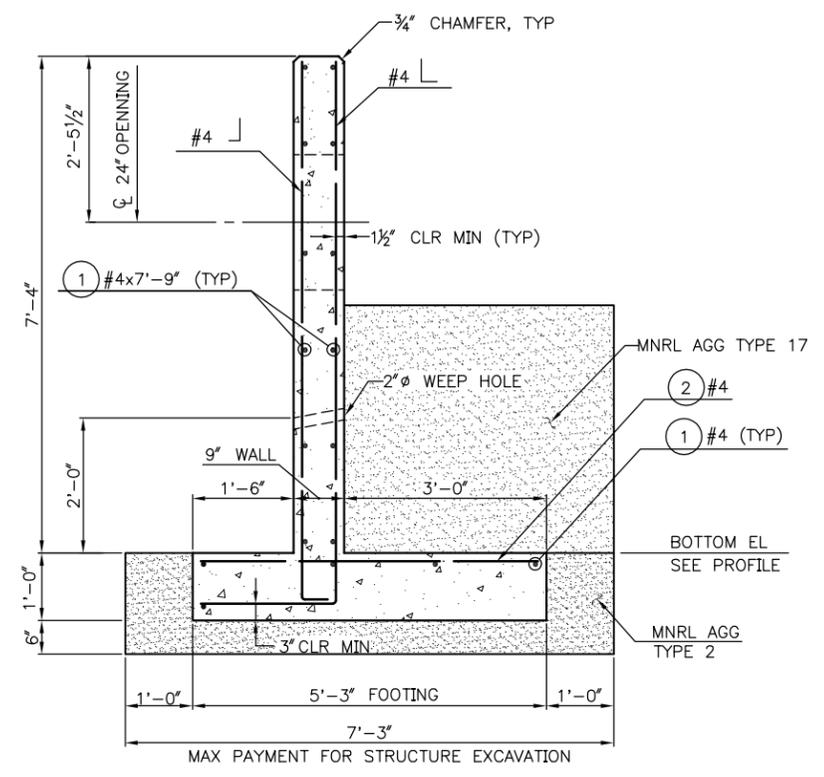
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MADE	CHK'D	REV'D
DATE	MARK	REVISIONS
1/17/07		

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ELEV - WEIR WALL "B"
 LOOKING DOWNSTREAM @ STA 12+32.0
 SCALE: 3/4" = 1'-0"



SECTION A-A18

STRUCTURAL NOTES

UNLESS OTHERWISE NOTED:

MATERIALS:

CONCRETE: PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
 CLASS AX FOR WALL CONSTRUCTION.
 $f'_c = 4,000$ PSI, $f_c = 1,600$ PSI

REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615) GRADE 60; EPOXYCOATED, CONCRETE COVER TO BE 2 INCHES EXCEPT WHERE SHOWN OTHERWISE.

ANCHOR ROD: ANCHOR ROD SHALL BE STAINLESS STEEL CONFORM TO ASTM F593 W/ NUT & WASHER BY HILTI OR APPROVED EQUAL. INSTALL AS RECOMMENDED BY THE MANUFACTURE.

STRUCTURAL STEEL: STRUCTURAL CARBON STEEL FOR SHAPES AND PLATES SHALL CONFORM TO AASHTO M183 (ASTM A36); ALL INSTALL AS RECOMMENDED BY THE MANUFACTURE.

MACHINE BOLT: MACHINE BOLTS SHALL CONFORM TO ASTM-A307.

ALL CONNECTION MATERIALS, SUCH AS PLATES, ANGLES, POST BASES, MACHINE BOLTS, STAPLES, NAILS, SCREWS, CABLES, SWAGE SOCKETS, EYE BOLTS, TURNBUCKLES, ANCHORS AND HARDWARES ETC, SHALL BE GALVANIZED.

**WEIR WALL "B"
 DRAINAGE DETAILS**

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 SEATTLE, WASHINGTON 20

DESIGNED TC, PG CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SEATRAN PROJ. MGR.
DRAWN CPS CHECKED	RECEIVED
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**City of Seattle
 Seattle Public Utilities**
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**CARKEEK CASCADE
 NW 110TH ST
 (3RD AVE NW TO GREENWOOD AVE N)**

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R/W		
CO		C301320
VAULT PLAN NO. 777-568		
SHEET 18 OF 18		