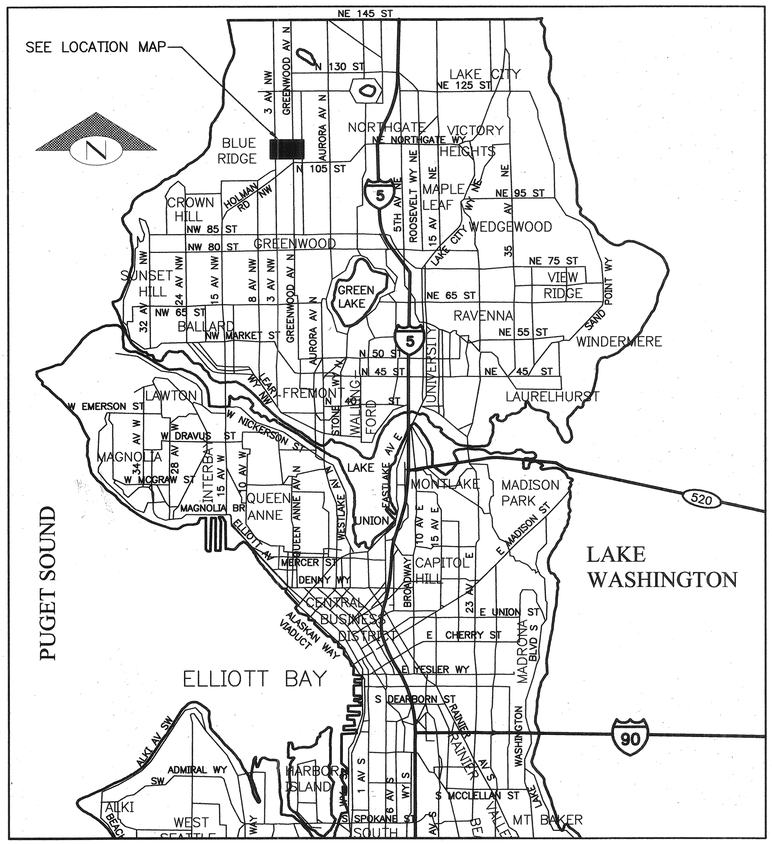


1 0 1 2

SCALE: 1"=1 Mile

VICINITY MAP

H: CITY OF SEATTLE
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 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 N)
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

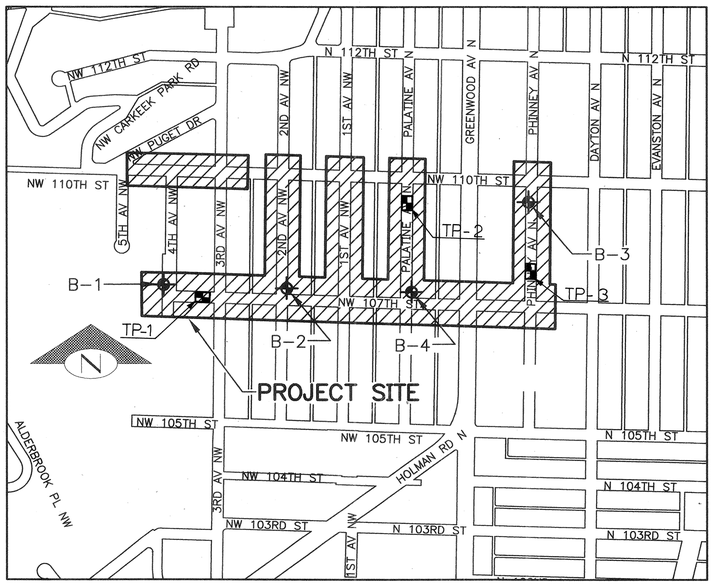
REFERENCE DOCUMENTS:

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



LOCATION MAP

SCALE: 1"=400'

SOIL BORING LOCATIONS

TEST PIT LOCATIONS

DETAIL AND SECTION REFERENCING

4 / 9 ← DETAIL REFERENCE NUMBER; SHEET ON WHICH DETAIL APPEARS

(TITLE) (SCALE) 4 / 9 ← DETAIL REFERENCE NUMBER; 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.)

A A 32 ← SECTION A–A IS SHOWN ON SHEET 32.

SECTION A–A 30 ← SECTION A–A IS TAKEN FROM SHEET 30.

SHEET INDEX

SHT NO.	SHEET DESCRIPTION
1	VICINITY MAP, GENERAL NOTES, SURVEY DATUM BLOCK & DETAIL AND SECTION REFERENCING
2	DRAINAGE, GRADING, PAVING, WATER & T.E.S.C. NOTES
3	TYPICAL RIGHT–OF–WAY CROSS SECTIONS
4	CASCADE TESC PLAN (TYP) INFORMATIONAL ONLY
5	SEA STREET TESC PLAN (TYP) INFORMATIONAL ONLY
6–7	NW 107TH ST – REMOVAL & PROTECTION PLAN
8–13	NW 107TH ST – DRAINAGE PLAN & PROFILE
14–15	NW 107TH ST – PAVING PLAN
16–17	NW 107TH ST – LANDSCAPING PLAN
18	PHINNEY AVE N/N 107 ST – REMOVAL AND PROTECTION PLAN
19	PHINNEY AVE N/N 107 ST – DRAINAGE PLAN
20	PHINNEY AVE N – DRAINAGE PROFILE, WEST SIDE
21	PHINNEY AVE N – DRAINAGE PROFILE, EAST SIDE
22	N 107TH AVE – DRAINAGE PROFILE, NORTH SIDE
23	PHINNEY AVE N/N 107 ST – PAVING PLAN
24	PHINNEY AVE N/N 107 ST – PAVING PROFILE
25	PHINNEY AVE N/N 107 ST – LANDSCAPING PLAN
26	PALATINE AVE N – REMOVAL & PROTECTION PLAN
27	PALATINE AVE N – DRAINAGE PLAN
28	PALATINE AVE N – DRAINAGE PROFILE, WEST SIDE
29	PALATINE AVE N – DRAINAGE PROFILE, EAST SIDE
30	PALATINE AVE N – PAVING PLAN
31	PALATINE AVE N – LANDSCAPING PLAN
32	1ST AVE NW – REMOVAL & PROTECTION PLAN
33	1ST AVE NW – DRAINAGE PLAN
34	1ST AVE NW – DRAINAGE PROFILE, WEST SIDE
35	1ST AVE NW – DRAINAGE PROFILE, EAST SIDE
36	1ST AVE NW – PAVING PLAN
37	1ST AVE NW – PAVING PROFILE
38	1ST AVE NW – LANDSCAPING PLAN
39	2ND AVE NW – REMOVAL & PROTECTION PLAN
40	2ND AVE NW – DRAINAGE PLAN
41	2ND AVE NW – DRAINAGE PROFILE, WEST SIDE
42	2ND AVE NW – DRAINAGE PROFILE, EAST SIDE
43	2ND AVE NW – PAVING PLAN
44	2ND AVE NW – PAVING PROFILE
45	2ND AVE NW – LANDSCAPING PLAN
46	NW 110TH ST – REMOVAL & PROTECTION PLAN
47	NW 110TH ST – DRAINAGE & PAVING PLAN
48	NW 110TH ST – LANDSCAPING PLAN
49–53	CASCADE DRAINAGE DETAILS
54–56	SEA STREET DRAINAGE DETAILS
57	PAVING DETAILS
58	MAILBOX DETAILS
59	IRRIGATION DETAILS

ADV. DATE: 6-27-03

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

VAULT SERIAL NO. 32213

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 6-26 2003
BY: for Director, Contracting Services

NAME OR INITIALS AND DATE
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CHECKED LMJT

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REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
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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.

GLENN L. HELLMAN — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 1 OF 59

SEWER AND DRAINAGE NOTES
UNLESS OTHERWISE NOTED:

1. PIPE LESS THAN 12" DIAMETER SHALL BE CONCRETE PER ASTM C14 CLASS 3.
2. 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.
3. BEDDING SHALL BE CLASS B FOR ALL PIPE EXCEPT DUCTILE IRON PIPE (DIP). DIP LESS THAN 18"ø SHALL USE CLASS C BEDDING WHEN CROSSING UNDER PAVEMENT AND PAVEMENT SHOULDER AREAS ON AVENUES. ALL OTHER DIP SHALL USE CLASS D BEDDING.
4. 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.
5. SIDE SEWER CONNECTIONS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 100% (45°). CATCH BASIN CONNECTIONS AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50%. INLET CONNECTIONS SHALL BE PLACED AT A MINIMUM SLOPE OF 5% AND A MAXIMUM SLOPE OF 50%. FOR ALL TEES, THE CENTER POINT OF THE TEE SHALL BE INSTALLED NO LOWER THAN 30° AND NOT HIGHER THAN 45° ABOVE THE SPRINGLINE OF THE MAINLINE.
6. SERVICE DRAINS AND SIDE SEWERS SHALL BE CONNECTED/RECONNECTED AS APPROVED BY THE ENGINEER. SIDE SEWER CONNECTIONS UNDER SOIL WRAP WALL OR ROCK FACING SHALL BE PVC CLASS B, TYPE 22 WITH A DIP SLEEVE UNDER WALLS.
7. FOR ALL SIDE SEWERS WITHIN DITCH LOCATIONS, SEE SPECIAL PROVISIONS.
8. 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 BACKFILLED UNTIL THE PIPE HAS BEEN INSPECTED AND APPROVED AND THE LOCATION AND DEPTH IS RECORDED BY THE ENGINEER.
9. TEES ON NEW PIPE SHALL BE PREFABRICATED.
10. SOILS TEST BORING LOCATIONS ARE INDICATED ON THE VICINITY MAP. TEST DATA IS INCLUDED IN THE SPECIFICATIONS.
11. THE CONTRACTOR SHALL PROVIDE SUPPORTS FOR POWER POLES NEAR EXCAVATIONS PER SEATTLE CITY LIGHT STANDARDS NO. D3-6.
12. PVC PIPE AND FITTINGS SHALL BE PER ASTM D 1785, SCH 40 WITH EITHER RUBBER GASKETT JOINTS OR SOLVENT WELDED JOINTS. PVC PSS ADN PSD PIPES SHALL BE TESTED FOR EXCESSIVE DEFLECTION WITH A MANDREL PER SECTION 7-17.3(4) OF THE SPECIFICATIONS.
13. SUBSURFACE DRAIN (SSD) PIPE AND FITTINGS SHALL BE PVC PER ASTM D 1785, SCH 40 WITH SOLVENT WELDED JOINTS. PIPE SHALL HAVE SLOTTED PERFORATIONS PER SLOT LOCATION DETAIL. SLOTS ARE TO BE 0.069" WIDE (ON 45° CENTERS) BY 1.0" LONG AND SPACED 0.125" APART.
14. STRUCTURE STATIONING ON PLAN VIEWS MEASURED FROM RIGHT-OF-WAY CENTERLINE TO CENTER OF STRUCTURE.
15. DRAINAGE PROFILES ARE SHOWN THROUGH DRAINAGE FLOW LINE. RIGHT-OF-WAY CENTERLINE STATIONING SHOWN ON DRAINAGE PROFILES ARE APPROXIMATE AND FOR REFERENCE ONLY.

EROSION CONTROL NOTES
UNLESS OTHERWISE NOTED:

1. TEMPORARY EROSION CONTROL & STORM DRAIN BYPASS PLAN SHALL BE SUBMITTED BY CONTRACTOR AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN FOR REVIEW AND APPROVAL AT PRECONSTRUCTION MEETING.

WATER NOTES
UNLESS OTHERWISE NOTED:

1. WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SHALL BE BY SPU WATER. FOR WATER METER CONTACT DAN ENRICO, (206) 233-7184, 10 DAYS PRIOR TO ESTABLISHMENT OF ROUGH GRADE WITHIN THE TWO-FOOT ROAD SHOULDER (SEE SPECS). FOR HYDRANT CONTACT PAT LEE, (206) 618-1318, 15 DAYS PRIOR TO CONSTRUCTION.
2. SHEAR PADS SHALL BE PLACED AROUND ALL EXISTING AND PROPOSED WATER HYDRANTS. SEE PAVING NOTE 9.

GRADING NOTES
UNLESS OTHERWISE NOTED:

1. GRADING SHALL CONFORM TO SHAPES AND CONFIGURATIONS SHOWN ON PLANS AND AS APPROVED BY ENGINEER. CONTRACTOR SHALL PROVIDE SMOOTH AND ROUNDED TRANSITIONS IN CONTOURS.
2. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER. SEE SPEC 1-07.16(2).
3. CONTRACTOR SHALL MEET AND MATCH ELEVATIONS OF STREET AND RIGHT-OF-WAY EDGES AND AT LIMITS OF GRADING WORK.
4. PRIOR TO CHANGING GRADE AT POWER POLES MORE THAN 0.5', CONTACT BILL CALDWELL AT SEATTLE CITY LIGHT AT (206) 615-0625, TO TREAT WOOD SURFACES.
5. TOP ONE (1) FOOT MINIMUM OF FINISH GRADE IN ALL SWALE GRADING AREAS SHALL BE BIORETENTION SOIL OR ENGINEERED SOIL MIX PER DETAILS AND SPECIAL PROVISIONS. ALL OTHER CLEAR AND GRUB AREA FLATTER THAN 2.5:1 SLOPE BEYOND SWALES SHALL HAVE 3-INCHES OF COMPOSTED MATERIAL ROTOTILLED INTO NATIVE SOIL TO A DEPTH OF 8" OR ENGINEERED SOIL, SEE LANDSCAPE PLANS AND SPECIAL PROVISIONS.
6. PROVIDE 3 INCHES MINIMUM OF SHREDDED MULCH OVER FINISH GRADE IN ALL CLEAR AND GRUB AND GRADING AREAS, EXCEPT IN SWALE BOTTOM. SEE SPECIAL PROVISIONS.
7. INSTALL JUTE MATTING OVER 3 INCHES OF SHREDDED MULCH ON ALL SLOPES 2½H:1V OR STEEPER.
8. ALL BERMS ARE 2:1 SLOPE MIN. UNLESS OTHERWISE NOTED.
9. GRADING WITHIN SWALES SHALL BE 3:1 UNLESS OTHERWIASE NOTED.

STRUCTURAL NOTES
UNLESS OTHERWISE NOTED:

1. 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, fc = 1,600 PSI
2. REINFORCING STEEL:
REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615) GRADE 60; EPOXYCOATED, CONCRETE COVER TO BE 2 INCHES EXCEPT WHERE SHOWN OTHERWISE.
3. 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 MANUFACTURER.
4. STRUCTURAL STEEL:
STRUCTURAL CARBON STEEL FOR SHAPES AND PLATES SHALL CONFORM TO AASHTO M183 (ASTM A36); ALL INSTALL AS RECOMMENDED BY THE MANUFACTURER.
5. MACHINE BOLT:
MACHINE BOLTS SHALL CONFORM TO ASTM-A307.
6. 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.

LANDSCAPING NOTES
UNLESS OTHERWISE NOTED:

1. ALL TREE LOCATIONS ARE SUBJECT TO FIELD VERIFICATION BY THE ENGINEER PRIOR TO EXCAVATION OF TREE PITS TO ENSURE PROPER PLACEMENT WITH RESPECT TO VIEWS, SIGHT DISTANCES, AND CLEARANCES FROM STREET EDGE AND/OR UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO REQUEST FIELD MARKING OF PLANT MATERIALS TO BE REMOVED (48 HOUR NOTICE). ALL PLANT MATERIALS NOT DESIGNATED TO BE REMOVED SHALL BE RETAINED AND PROTECTED. PLANT MATERIAL DESTROYED AND/OR IRREPARABLY DAMAGED DUE TO LACK OF DIRECTION AND/OR LACK OF PROPER CARE BY THE CONTRACTOR SHALL BE REPLACED IN KIND AND/OR EVALUATED TO ASSESS DAMAGE WITH VALUE DEDUCTED FROM THE CONTRACT.

PAVING NOTES
UNLESS OTHERWISE NOTED:

1. JOINTS BETWEEN EXISTING PAVEMENT AND NEW ASPHALT SHALL BE BUTT JOINTS.
2. EXISTING ASPHALT PAVING SHALL BE REMOVED ON A NEAT LINE ADJACENT TO NEW CONSTRUCTION.
3. IF SUBGRADE SOFT SPOTS ARE ENCOUNTERED, THE CONTRACTOR SHALL OBTAIN REQUIRED COMPACTION IN ACCORDANCE WITH SECTIONS 2-06.3 (2) AND 2-06.3 (3) OF THE STANDARD SPECIFICATIONS.
4. PAVEMENT RESTORATION FOR CONCRETE STREETS AND CONCRETE WALKS WHICH ARE NOT SHOWN ON THE PLANS SHALL BE IN ACCORDANCE WITH THE "STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION RULES", THE CURRENT VERSION
5. REPLACEMENT OF CASTINGS AND COVERS WILL BE PROVIDED BY THE OWNER(S) OF THE UTILITIES. THE CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS AND METER BOXES TO GRADE PRIOR TO THE INSTALLATION OF THE FINAL WEARING COURSE. CASTINGS AND METER BOXES DAMAGED DUE TO THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL NOTIFY SDOT(ROBERT BURNS AT 206-684-5370) FOUR(4) WORKING DAYS PRIOR TO SIGN, REMOVAL, RELOCATION OR REPLACEMENT. INSTALL SIGNS IN ACCORDANCE TO THE STANDARD PLANS.
7. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT (SHANE DEWALD AT 206-684-5041) FOUR (4) WORKING DAYS PRIOR TO TRIMMING ANY TREES.
8. EXISTING MONUMENT CASTINGS WITHIN THE CONSTRUCTION AREA SHALL BE ADJUSTED OR RESET. CONTRACTOR SHALL CONTACT SPU SURVEY (RUSS DODGE AT 206-684-4674) FOUR (4) WORKING DAYS PRIOR TO REMOVING MONUMENT CASTINGS TO ENSURE THAT THE MONUMENTS ARE "TIED OUT" PRIOR TO REMOVAL.
9. INSTALL SHEAR BLOCKS AT ALL EXISTING & RELOCATED HYDRANTS WITHIN THE PROJECT LIMITS PER STANDARD PLAN 310A & 310B.
10. CR = 20'
11. ON AVENUES, CENTERLINE ALIGNMENT R=250'
12. FOR CONCRETE STEPS WITH LESS THAN 4 RISERS, SEE STANDARD PLAN 441. FOR CONCRETE STEPS WITH 4 OR MORE RISERS, SEE STANDARD PLAN 440, (HAND RAIL ON ONE SIDE ONLY).
13. CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 48 HOURS IN ADVANCE FOR COMPACTION TESTING. IF MOISTURE-DENSITY CURVES ARE REQUIRED, 48 HOURS AFTER COMPACTION TESTING AN OBTAINMENT OF IN-PLACE SAMPLES WILL BE REQUIRED TO PROCESS SAMPLES. CONTRACTOR SHALL NOT PROCEED WITH SUBSEQUENT RELATED WORK INCLUDING PAVING UNLESS RESULTS ARE OBTAINED. ANY COSTS ASSOCIATED WITH DELAYS AS RESULT OF NON-COMPLIANCE WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY FO THE CONTRACTOR.

CALL 2 DAYS BEFORE YOU DIG 1-800-424-5555

DRAINAGE, GRADING, PAVING, WATER & T.E.S.C. NOTES

MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED TT arj 4/12/09
CHECKED MHL
DRAWN DD STAFF
CHECKED TMR

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT RSS. PROJ. MGR.
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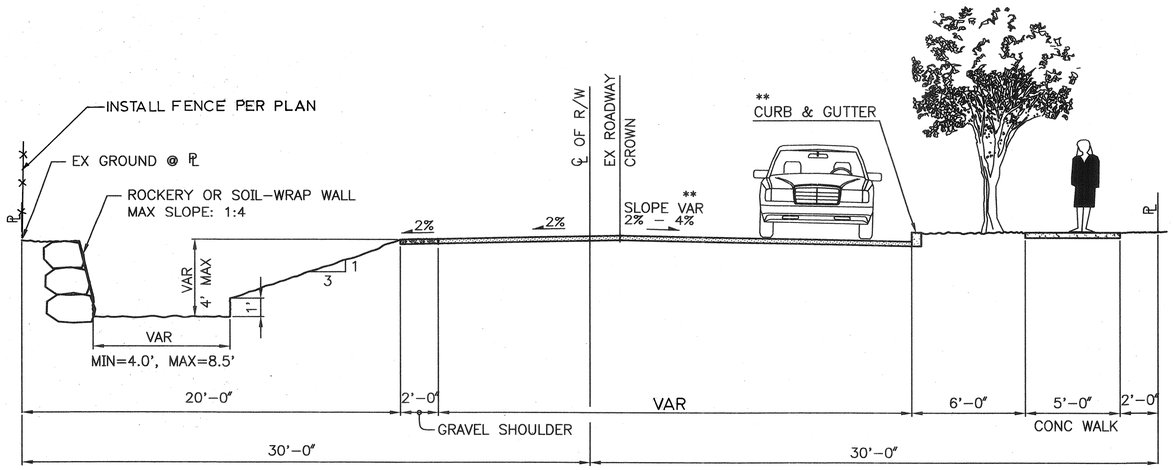
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTIN 0-02.3 OF THE PROJECT MANUAL.

GLENN K. HASEGAWA — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

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

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO.
PC C300329
R/W
CO C300329
VAULT PLAN NO. 777-580
SHEET 2 OF 59

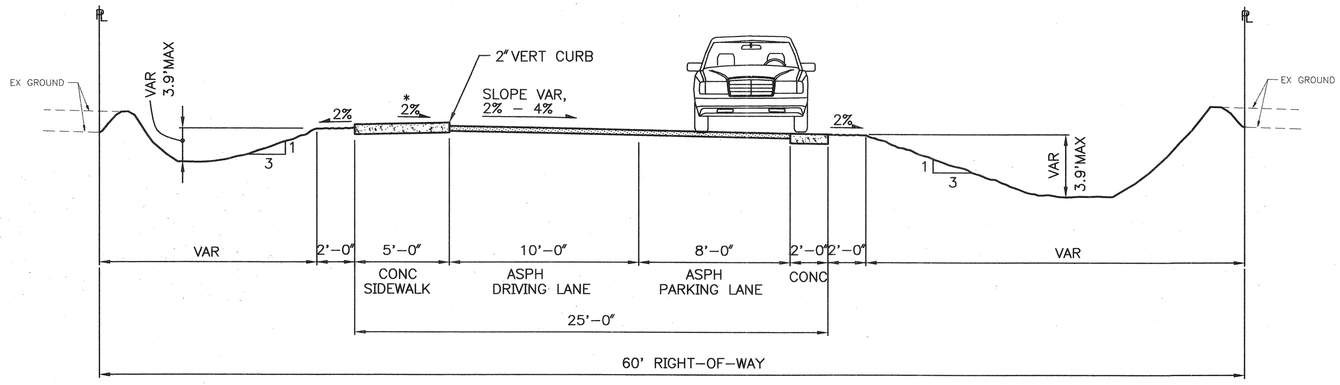


TYPICAL CASCADE R/W X-SECTION

(NW 107TH ST & N 107TH ST)

NTS

** CURB AND GUTTER AND ASPHALT PAVING WILL ONLY OCCUR ON LIMITED AREA. SEE PAVING PLANS.



* 2% TOWARD STREET FOR 1ST, 2ND & PALATINE
2% TOWARD SWALE FOR PHINNEY

TYPICAL SEA STREET R/W X-SECTION

(1ST AVE NW, 2ND AVE NW, PALATINE AVE N & PHINNEY AVE N)

NTS

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

TYPICAL RIGHT-OF-WAY CROSS SECTIONS

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BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED 5/22/03
CHECKED
DRAWN
CHECKED LMdT

INITIALS AND DATE
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STATE OF WASHINGTON
20158
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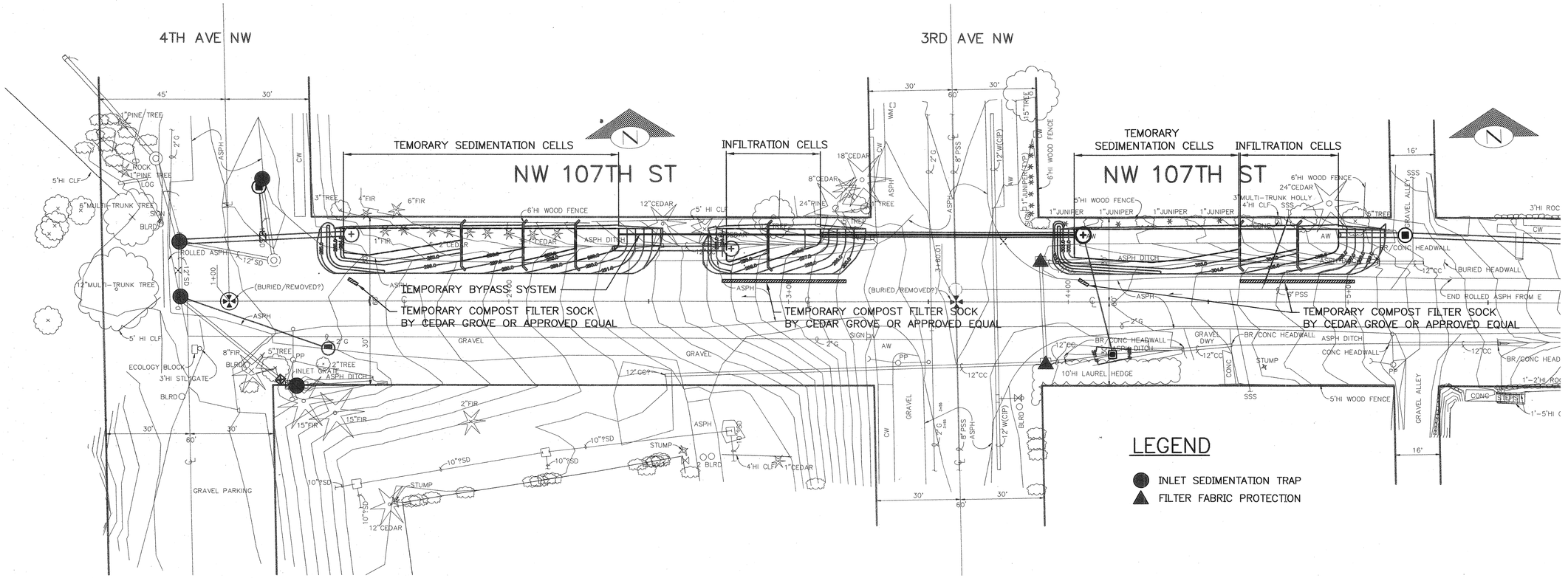
EXPIRES 06-17-2004

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

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 3 OF 59



TESC NOTES
UNLESS OTHERWISE NOTED:

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT EROSION, CONTROL SEDIMENTATION, AND SHALL BE PROHIBITED FROM DISCHARGE OF SEDIMENT–LADEN RUNOFF BEYOND THE CONSTRUCTION LIMITS OF THIS PROJECT. CONTRACT RESPONSIBILITY FOR PLANNING, DESIGN AND IMPLEMENTATION OF MEASURES TO MEET THESE REQUIREMENTS SHALL BE SPECIFIED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND INCLUDE, AS A MINIMUM:

   * SCHEDULING AND STAGING OF ALL CONSTRUCTION ACTIVITIES FOR MINIMUM EXPOSURE AND OPTIMUM COMPATIBILITY WITH SEASONAL AND SITE CONDITIONS.
   * PROACTIVE INSTALLATION OF MEASURES TO PREVENT EROSION AND/OR MIGRATION OF SEDIMENTS PRIOR TO COMMENCEMENT OF THE WORK ACTIVITY WITHIN ANY GIVEN SITE AREA.
   * DESIGN AND IMPLEMENTATION OF MEASURES TO MAXIMIZE REUSE OF MATERIALS AND COMPATIBILITY WITH PERMANENT SITE IMPROVEMENTS. RECYCLED WOOD CHIP AND/OR COMPOSTED MULCH SHALL BE USED AS TEMPORARY EROSION AND SEDIMENT CONTROL TO COVER SOIL SURFACES EXPOSED AND LEFT UNWORKED IN EXCESS OF TWO DAYS (48 HOURS).
   * WOOD CHIPS GENERATED FROM TREE REMOVAL AND SITE CLEARING AND GRUBBING ACTIVITY SHALL BE INSPECTED BY THE ENGINEER (TO GUARD AGAINST SPREADING OF INVASIVES) PRIOR TO REUSE AS MULCH FOR EROSION CONTROL.
   * METHOD OF COLLECTION AND TREATMENT OF CONSTRUCTION RUNOFF THAT DOES NOT MEET STATE WATER QUALITY STANDARDS, IF DISCHARGING TO A STORM DRAIN, OR KING COUNTY INDUSTRIAL WASTE STANDARDS, IF DISCHARGING TO THE SANITARY SEWER METHODS MAY INCLUDE, BUT ARE NOT LIMITED TO, THE USE OF TEMPORARY SEDIMENTATION CELLS, AS SPECIFIED ON THIS DRAWING, OR A SEDIMENTATION TANK BROUGHT ONSITE.

2. AS A PROVISION OF THE STORMWATER NPDES PERMIT FOR THIS PROJECT, THE CONTRACTOR SHALL SUBMIT AT THE PRE–CONSTRUCTION MEETING A PLAN IN ACCORDANCE WITH ECOLOGY'S GUIDELINES AND PER SPECIFICATION SECTION 8–01. THE CONTRACTOR SHALL ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW AND APPROVAL BY THE ENGINEER. APPROVAL OF THE PLAN SHALL BE REQUIRED PRIOR TO CONSTRUCTION:

   * THE CONTRACTOR SHALL REQUEST 1"=20' PLANS TO BE PROVIDED BY THE ENGINEER FOR ALL STREET FRONTAGES TO SERVE AS THE BASEMAPS FOR SUBMITTAL OF SWPPP (THIS PLAN SHEET IS TYPICAL OF THAT BASE).
   * PLANS SHALL INDICATE GEOGRAPHIC STAGING FOR WORK (TYPICALLY SOUTH TO NORTH) AND SHALL IDENTIFY MEASURES FOR STABILIZATION AND MAINTENANCE (CLEAN–OUT) OF NEWLY CONSTRUCTED SWALE AREAS IF PROPOSED FOR USE TO SETTLE SEDIMENT. ANY SWALE USED AS A TEMPORARY SEDIMENTATION CELL SHALL HAVE THE TOP 2 INCHES OF BOTTOM SOIL REMOVED AND SHALL BE RESTORED PER SPECIFICATION.
   * PLANS SHALL IDENTIFY CONSTRUCTION LIMITS AND LIMITS OTHERWISE REQUIRED TO PROTECT EXISTING TREES, UNDERSTORY VEGETATION, OR OTHER EXISTING SITE FEATURES OF BENEFIT TO PREVENT EROSION AND/OR CONTROL SEDIMENTATION.
   * THE CONTRACTOR'S SUBMITTAL SHALL INCLUDE DETAILS FOR EROSION PREVENTION AND SEDIMENTATION CONTROL MEASURES IDENTIFIED BY NUMBER.
   * PLAN SHEETS SHALL INCLUDE A SCHEDULE OF (NUMBERED) DETAILS WITH CORRESPONDING PLAN SYMBOLS, ESTIMATED TIMING FOR INSTALLATION, INSPECTION, MAINTENANCE AND REMOVAL OF MEASURES.
   * PLANS SHALL INCLUDE TEMPORARY BYPASS MEASURES TO MINIMIZE EXPOSURE OF NEWLY CONSTRUCTED SWALES TO EROSION AND SEDIMENTATION.
   * PLANS SHALL INCLUDE MEASURES TO PROTECT WATER QUALITY BY PREVENTING STORMWATER RUNOFF FROM ENTERING THE SITE.

3. GENERAL SPECIAL PROVISIONS APPLICABLE TO ALL PROJECT CORRIDORS SHALL BE LISTED IN NOTES ON THE CONTRACTOR'S SUBMITTAL, INCLUDING BUT NOT LIMITED TO:

   * MEASURES FOR PROTECTION OF STOCKPILED MATERIALS REQUIRED WHENEVER MATERIAL IS NOT IN USE FOR AN EXCESS OF 8 HRS.
   * SURFACE CLEANING FOR ALL PAVED AREAS IMPACTED BY THE CONTRACT WORK OUTSIDE THE CONTRACT LIMITS BEFORE THE END OF THE WORKDAY.
   * THE CONTRACTOR SHALL HAVE A VACTOR TRUCK AVAILABLE TO CLEAN OUT THE SEDIMENTATION STRUCTURES AFTER RAIN STORMS AND AS NEEDED TO PREVENT THE MOVEMENT OF ACCUMULATED SEDIMENT DOWNSTREAM.
   * THE TRAFFIC CONTROL PLAN SHALL ADDRESS TRAFFIC ROUTING AROUND TEMORARY WATER POLLUTION/ EROSION/ SEDIMENT CONTROL TECHNIQUES.

CASCADE TESC PLAN (TYP)
INFORMATIONAL ONLY

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

VAULT SERIAL NO. 34213

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

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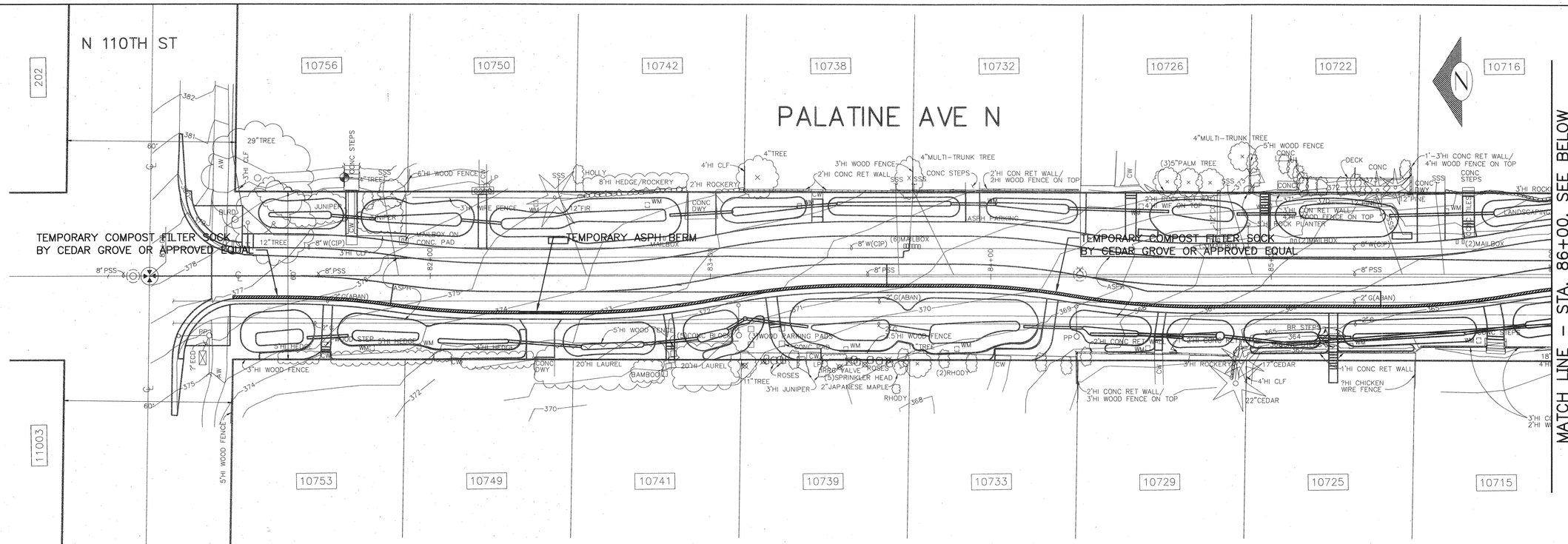
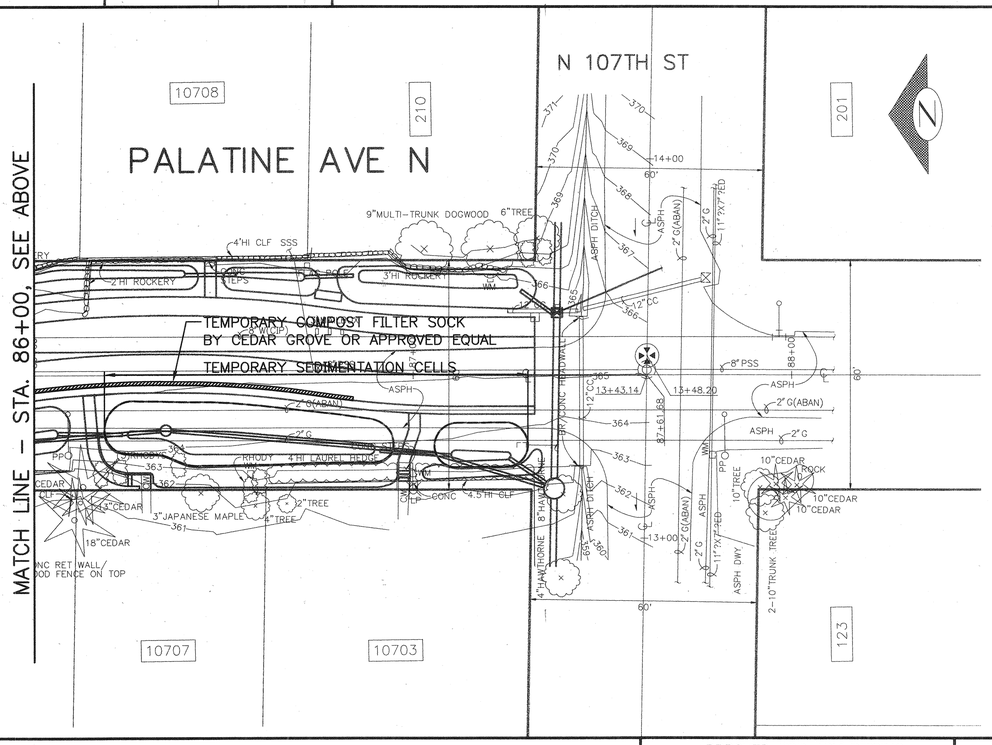
GLENN H. ALCALAY
STATE OF WASHINGTON
20158
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE:H. 1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 4 OF 59





INFORMATIONAL ONLY
SEA STREET TESC PLAN (TYP)

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

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CLARK C. HASCALL
STATE OF WASHINGTON
20158
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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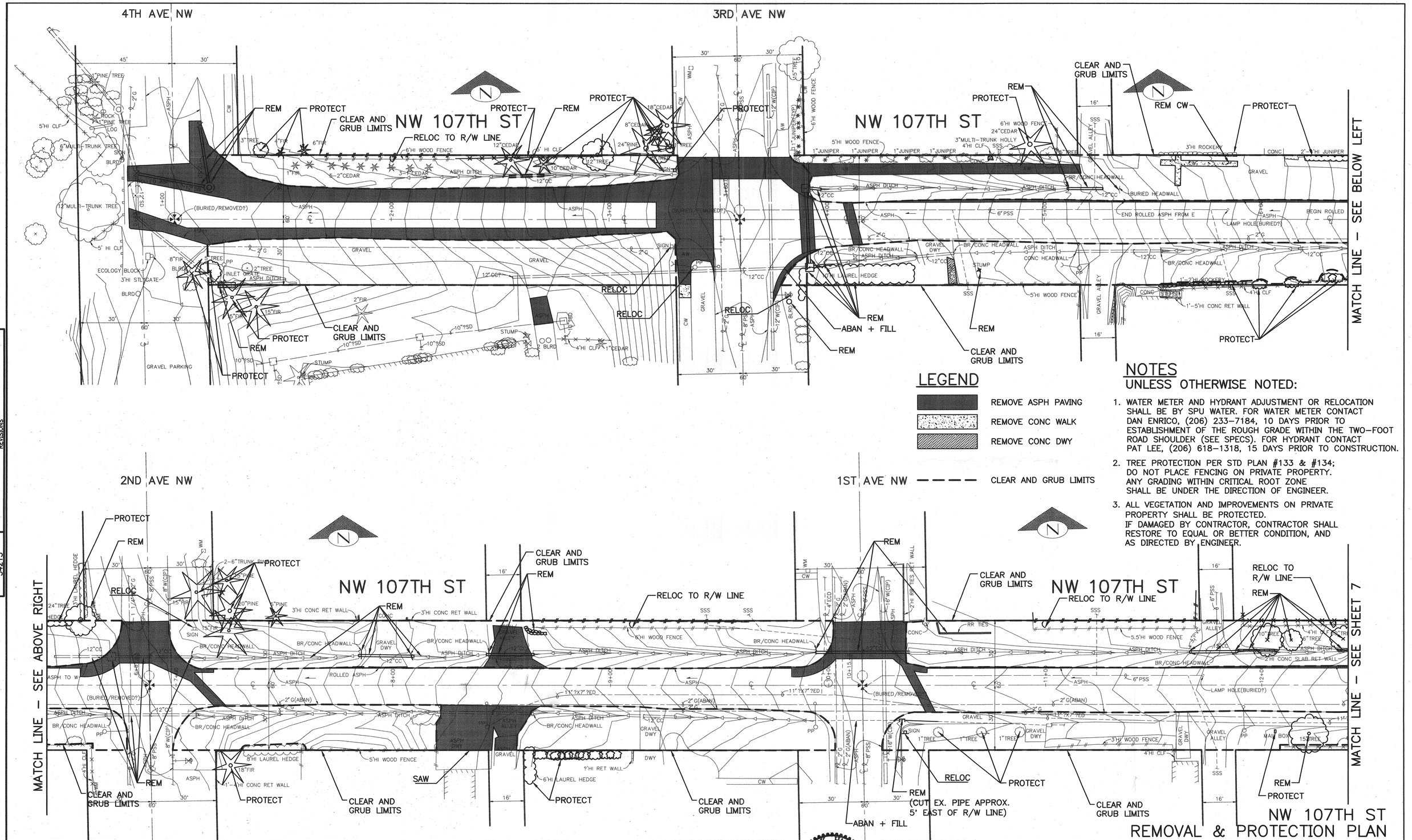
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 5 OF 59

NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK
34213		



LEGEND

- REMOVE ASPH PAVING
- REMOVE CONC WALK
- REMOVE CONC DWY
- CLEAR AND GRUB LIMITS

NOTES
UNLESS OTHERWISE NOTED:

1. WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SHALL BE BY SPU WATER. FOR WATER METER CONTACT DAN ENRICO, (206) 233-7184, 10 DAYS PRIOR TO ESTABLISHMENT OF THE ROUGH GRADE WITHIN THE TWO-FOOT ROAD SHOULDER (SEE SPECS). FOR HYDRANT CONTACT PAT LEE, (206) 618-1318, 15 DAYS PRIOR TO CONSTRUCTION.
2. 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.
3. 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.

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

City of Seattle
Seattle Department of Transportation

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GLENN K. HASHIMA
STATE OF WASHINGTON
20158
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities
City of Seattle
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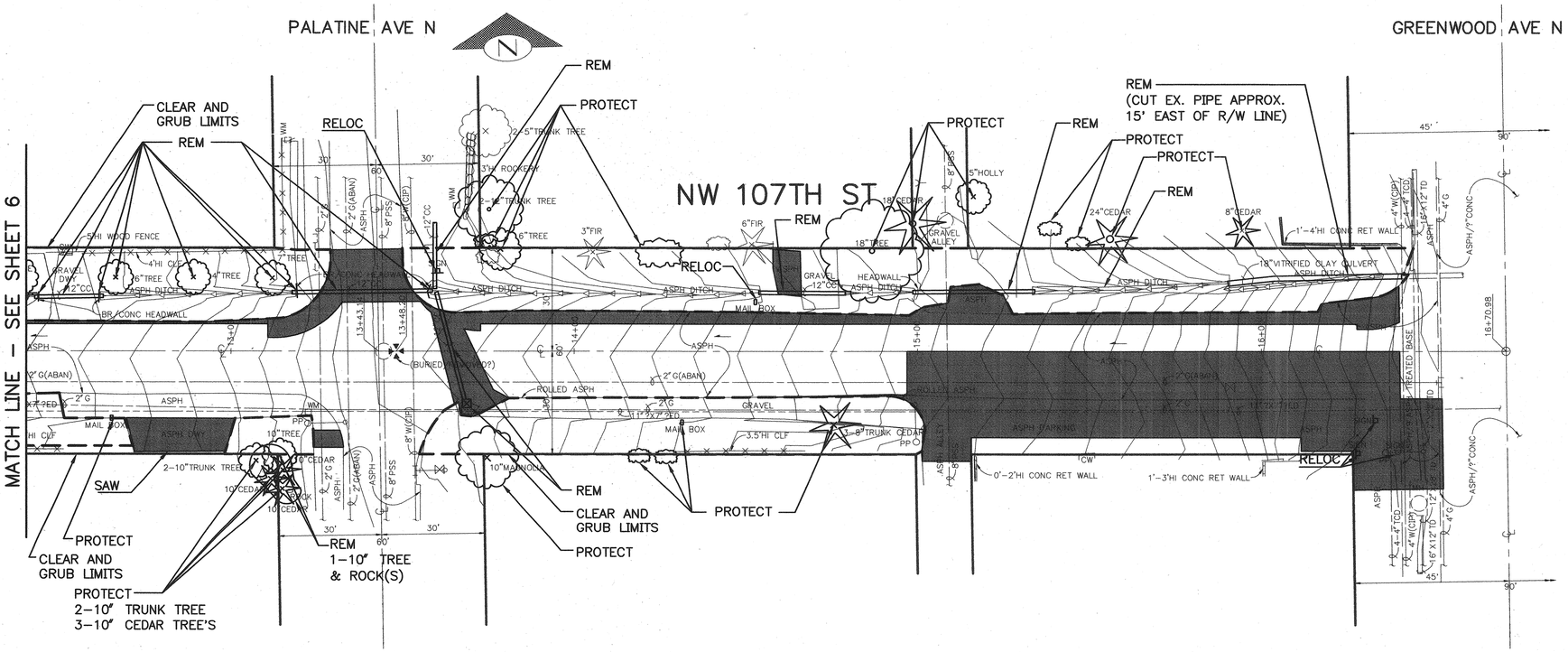
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 6 OF 59



LEGEND

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- REMOVE CONC DWY
- CLEAR AND GRUB LIMITS

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4. MAIL BOXES ON N 107TH SHALL BE RELOCATED TO 3 FEET FROM EDGE OF PAVEMENT

NW 107TH ST
REMOVAL & PROTECTION PLAN

VAULT SERIAL NO. 34213 | DATE | MARK | NATURE OF REVISIONS | MADE CHK'D | REV'D

City of Seattle
Seattle Department of Transportation

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GLENN L. HASEGAWA — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08–17–2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
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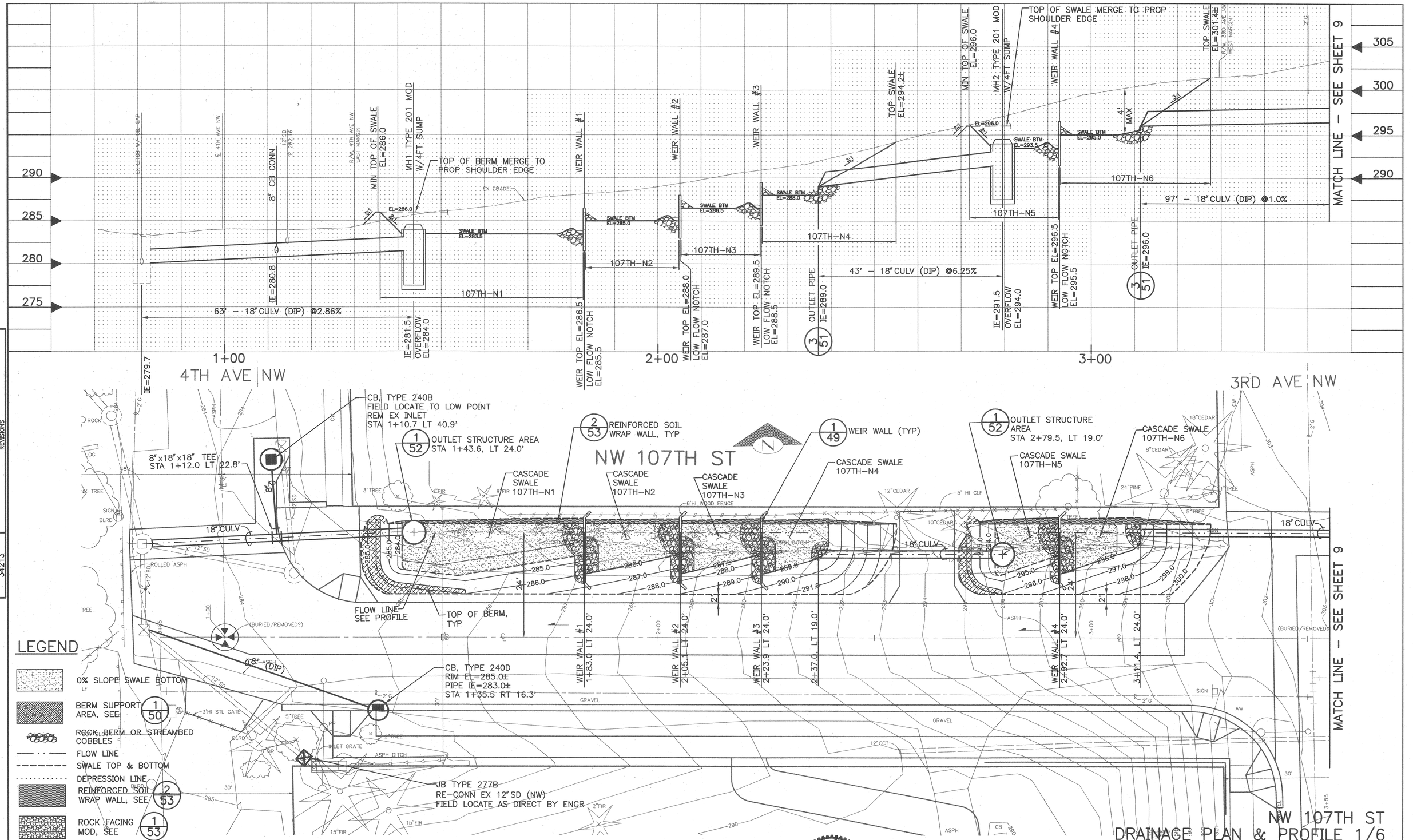
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 7 OF 59



LEGEND

- 0% SLOPE SWALE BOTTOM
- BERM SUPPORT AREA, SEE 1/50
- ROCK BERM OR STREAMBED COBBLES
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- REINFORCED SOIL WRAP WALL, SEE 2/53
- ROCK FACING MOD, SEE 1/53

NO.	NATURE REVISIONS	DATE	MADE CHK'D	REV'D

VAULT SERIAL NO. 34213

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City of Seattle
Chuck Clarke, Director

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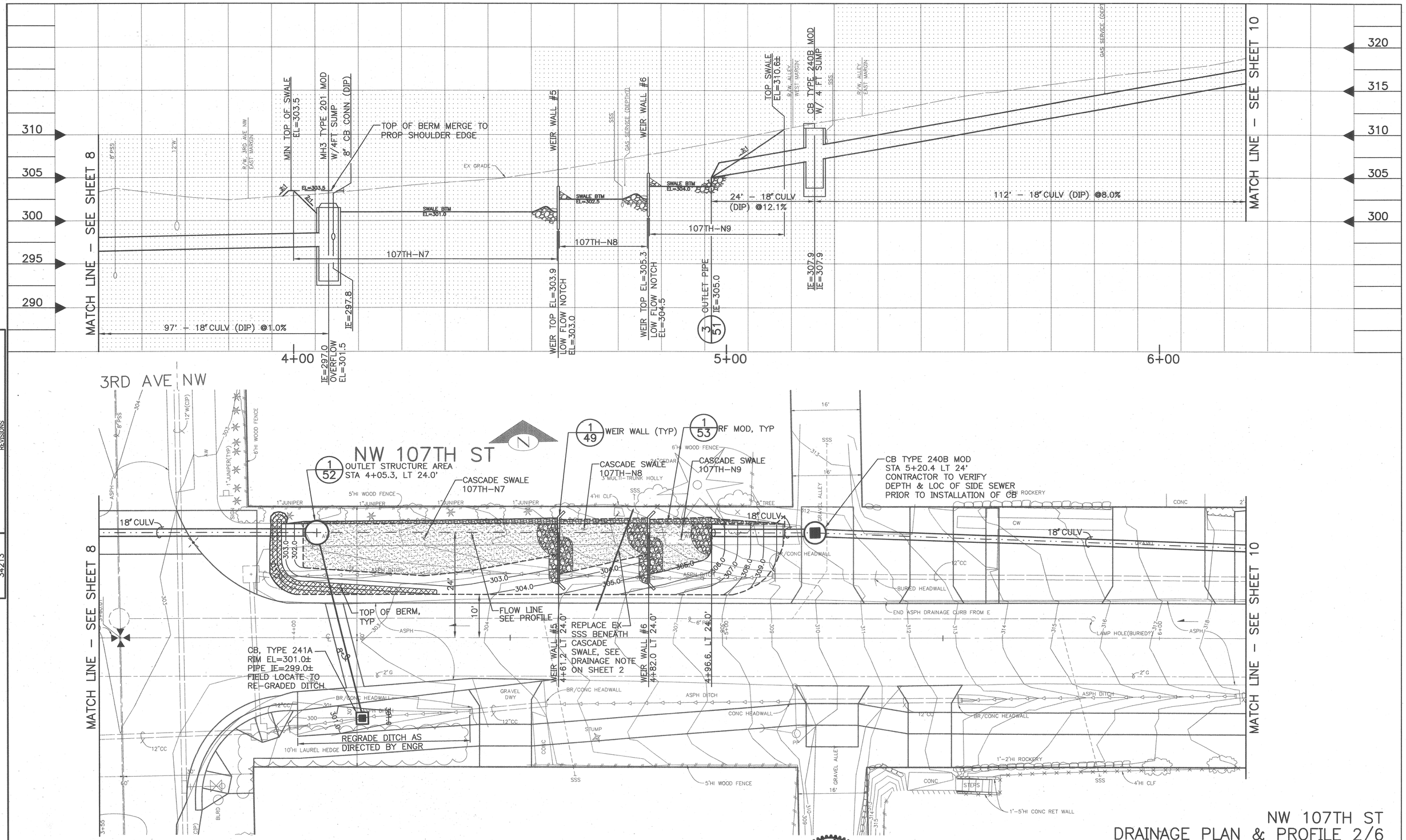
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W
CO C300329
VAULT PLAN NO. 777–580
SHEET 8 OF 59

NW 107TH ST
DRAINAGE PLAN & PROFILE 1/6



NW 107TH ST
DRAINAGE PLAN & PROFILE 2/6

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

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GLENN K. HASEGAWA, STATE OF WASHINGTON, 20158, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
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BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 9 OF 59

NOTE:
1. CONTRACTOR TO VERIFY DEPTH AND LOCATION PRIOR TO CONSTRUCTION

MATCH LINE – SEE SHEET 9

MATCH LINE – SEE SHEET 11

TOP SWALE EL=319.3±

TOP SWALE EL=322.3±

R/W, 2ND AVE NW WEST MARGIN

EX GRADE

MH4 TYPE 201B MOD W/LOCKING LID & 4FT SUMP

10" CULV (DIP) 1¼" IN 2'-0"

SEE NOTE 1

8" PSS

8" W

CB TYPE 240A MOD W/ 4 FT SUMP

8" CB CONN (DIP)

R/W, 2ND AVE NW EAST MARGIN

MIN TOP OF SWALE EL=329.5

WEIR WALL #7

TOP OF BERM MERGE TO PROP SHOULDER EDGE

EL=329.5

SWALE BTM EL=327.0

BOTTOM SWALE EL=326.5

4' MAX

TOP SWALE EL=331.9±

TOP SWALE EL=332.6±

WEIR WALL #8

SWALE BTM EL=331.5

BOTTOM SWALE EL=331.0

TOP SWALE EL=335.5±

R/W, ALLEY WEST MARGIN

CB TYPE 240B MOD W/ 4 FT SUMP

R/W ALLEY EAST MARGIN

MIN TOP OF SWALE EL=339.0

WEIR WALL #9

TOP OF BERM MERGE TO PROP SHOULDER EDGE

EL=339.0

SWALE BTM EL=336.5

BOTTOM SWALE EL=336.0

WEIR WALL #10

107TH–N10

107TH–N11

107TH–N12

107TH–N13

107TH–N14

107TH–N15

107TH–N16

107TH–16 BOTTOM SWALE EL=338.0

26 ± 18" CULV (DIP) @1.0%

39' ± 18" CULV (DIP) @11.5%

40' – 18" CULV (DIP) @6.8%

27' – 18" CULV (DIP) @7.4%

16' – 18" CULV (DIP) @3.1%

24' – 18" CULV (DIP) @12.5%

112' – 18" CULV (DIP) @ 8.0%

DEBRIS BARRIER IE=316.9

OUTLET PIPE IE=319.0

IE=319.3 IE=319.3

IE (10")=320.4

IE=323.8 IE=323.8

IE (8")=324.2

DEBRIS BARRIER IE=326.5

WEIR TOP EL=328.5 LOW FLOW NOTCH EL=327.5

OUTLET PIPE IE=329.0

DEBRIS BARRIER IE=331.0

WEIR TOP EL=333.0 LOW FLOW NOTCH EL=332.0

OUTLET PIPE IE=332.5

IE=333.0 IE=333.0

DEBRIS BARRIER IE=336.0

WEIR TOP EL=338.0 LOW FLOW NOTCH EL=337.0

WEIR TOP EL=339.3 LOW FLOW NOTCH EL=338.5

7+00

8+00

9+00

345 340 335 330 325 320 315

2ND AVE NW

NW 107TH ST

CB TYPE 240A MOD STA 7+05.2 LT 6.4'

MH, TYPE 201B MOD STA 6+70.8, LT 24.0' =STA 67+35.4 RT 16.6' FOR CONTINUATION SEE 2ND AVE NW DRAINAGE PLAN ON SHEET 40

DEBRIS (TYP) BARRIER

CASCADE SWALE 107TH–N11

CASCADE SWALE 107TH–N12

CASCADE SWALE 107TH–N13

CASCADE SWALE 107TH–N14

CB TYPE 240B MOD STA 8+48.2 LT 24'

CASCADE SWALE 107TH–N15

CASCADE SWALE 107TH–N16

DITCH RETROFIT 107TH–N10

REINFORCED SOIL WRAP WALL, TYP

WEIR WALL (TYP)

CB, TYPE 241A RIM EL=326.5± PIPE IE=324.5± FIELD LOCATE TO RE–GRADED DITCH

REGRADE DITCH AS DIRECTED BY ENGR

TOP OF BERM, 10' TYP

BEGIN ASPH DRAINAGE CURB TO W

(BURIED/REMOVED?)

6+32.5, LT 20.2'

6+45.4, LT 20.6'

7+42.2, LT 24.0'

WEIR WALL #7

7+46.4 LT 24.0'

7+82.1, LT 24.0'

8+09.5, LT 24.0'

WEIR WALL #8

8+16.7 LT 24.0'

8+32.1, LT 24.0'

8+72.3, LT 24.0'

WEIR WALL #9

8+74.7 LT 24.0'

WEIR WALL #10

9+01.3 LT 24.0'

4"HI JUNIPER HEDGE

3"HI LAUREL HEDGE

24"TREE

2–6"TRUNK PINE

15"PINE

20"PINE

18"FIR

3"HI CONC RET WALL

8"HI LAUREL HEDGE

5'HI WOOD FENCE

4"HI CLF

BR/CONC HEADWALL

ASPH DITCH

ASPH DRAINAGE CURB

ASPH ALLEY

ASPH DWY

ASPH/GRAVEL

GRAVEL DWY

CONC

PP

SIGN

18" CULV

12"CC

NW 107TH ST
DRAINAGE PLAN & PROFILE 3/6

NO.	NATURE REVISIONS	DATE	MADE	CHK'D	REVD

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

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GLENN R. STARK STATE OF WASHINGTON 20158 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO. APPROVED
FUND:
SCALE:H.1"=10' V.1"=5' INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 10 OF 59

NOTE :

1. CONTRACTOR TO VERIFY DEPTH & LOCATION OF EX WATER MAIN PRIOR TO CONSTRUCTION

MATCH LINE – SEE SHEET 10

WEIR WALL #11

WEIR WALL #12

WEIR WALL #13

WEIR WALL #14

TOP SWALE EL=346.8±

SEE NOTE 1

JB TYPE 277A
8" CB CONN (DIP)

MIN TOP OF SWALE EL=349.5

TOP OF BERM MERGE TO PROP SHOULDER EDGE

TOP SWALE EL=352.6±

CB TYPE 240B MOD
W/ 4 FT SUMP

MATCH LINE – SEE SHEET 12

EX GRADE

SWALE BTM EL=338.0

SWALE BTM EL=339.5

SWALE BTM EL=341.0

SWALE BTM EL=347.0

SWALE BTM EL=348.5

BOTTOM SWALE EL=346.5

107TH–N17

107TH–N18

107TH–N19

107TH–N20

107TH–N21

107TH–N22

WEIR TOP EL=340.8
LOW FLOW NOTCH
EL=340.0

WEIR TOP EL=342.3
LOW FLOW NOTCH
EL=341.5

3/51 OUTLET PIPE
IE=342.0

64' – 18" CULV (DIP) @4.0%

IE=344.5
IE=344.5
IE (8")=345.0

23' – 18" CULV
(DIP) @8.7%

1/51 IE=346.5
DEBRIS BARRIER
WEIR TOP EL=348.5
LOW FLOW NOTCH
EL=347.5

WEIR TOP EL=349.8
LOW FLOW NOTCH
EL=349.0

3/51 OUTLET PIPE
IE=349.5

16' – 18" CULV
(DIP) @1.3%

IE=349.7
IE=349.7

21' – 18" CULV
(DIP) @ 13.3%

10+00

11+00

1ST AVE NW

NW 107TH ST

STA 9+96.8 LT 26.2'
=STA 77+34.7 RT 18.4'
FOR CONTINUATION SEE
1ST AVE NW DRAINAGE
PLAN ON SHEET 33

2/53 REINFORCED SOIL
WRAP WALL, TYP

1/51 DEBRIS (TYP)
BARRIER

1/49 WEIR WALL (TYP)

1/53 RF MOD, TYP

CB TYPE 240B MOD
STA 11+75.9 LT 24'

CASCADE SWALE
107TH–N17

CASCADE SWALE
107TH–N18

CASCADE SWALE
107TH–N19

CASCADE SWALE
107TH–N20

CASCADE SWALE
107TH–N21

CASCADE SWALE
107TH–N22

MATCH LINE – SEE SHEET 10

MATCH LINE – SEE SHEET 12

FLOW LINE
SEE PROFILE

TOP OF BERM,
TYP

REPLACE EX SSS
BENEATH CASCADE
SWALE, SEE DRAINAGE
NOTE ON SHEET 2

JB TYPE 277A
STA 10+32.1 LT 20.0'

(BURIED/REMOVED?)

WEIR WALL #11
9+24.3 LT 24.0'

WEIR WALL #12
9+48.3 LT 24.0'

9+68.6, LT 24.0'

10+55.2, LT 24.0'

WEIR WALL #13
10+60.0 LT 24.0'

WEIR WALL #14
11+32.8 LT 24.0'

11+59.7, LT 24.0'

RECONN EX 8" CONC CULV TO PROP CB, USE 8" BENDS (CONC) AS REQD
ABAN EX CULV & EX INLET TO WEST
CB, TYPE 240B
RIM EL=347.3±
PIPE IE (8"ø)=345.3± (N & E)
FIELD LOCATE TO EX FLOW LINE

NW 107TH ST
DRAINAGE PLAN & PROFILE 4/6

NATURE OF REVISIONS	MADE	CHK'D	REVD

VAULT SERIAL NO.	DATE	MARK
34213		

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
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CHENEY K. EASTMAN
STATE OF WASHINGTON
20158
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

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BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W
CO C300329

VAULT PLAN NO. 777–580

SHEET 11 OF 59

NOTE:

1. CONTRACTOR TO VERIFY DEPTH & LOCATION OF EX WATER MAIN PRIOR TO CONSTRUCTION.

MATCH LINE – SEE SHEET 11

MATCH LINE – SEE SHEET 13

12+00

13+00

14+00

MIN TOP OF SWALE EL=355.0

WEIR WALL #15

TOP OF BERM MERGE TO PROP SHOULDER EDGE

EX GRADE

SWALE BTM EL=352.5

BOTTOM SWALE EL=352.5

107TH–N23

107TH–N24

WEIR TOP EL=354.0 LOW FLOW NOTCH EL=353.0

21' – 18" CULV (DIP) @13.3%

OUTLET PIPE IE=353.5

TOP SWALE EL=356.9±

29' – 18" CULV (DIP) @8.6%

MIN TOP OF SWALE EL=359.0

WEIR WALL #16

GAS SERVICE (DEPTH?)

SWALE BTM EL=358.5

BOTTOM SWALE EL=356.0

107TH–N25

107TH–N26

WEIR TOP EL=358.0 LOW FLOW NOTCH EL=367.0

DEBRIS BARRIER IE=356.0

15' – 18" CULV (DIP) @2.0%

OUTLET PIPE IE=357.5

TOP SWALE EL=361.7±

MH5 TYPE 201B W/4FT SUMP RIM=362.5 PROP 10" SSD PROP 10" CULV (DIP)

IE=357.8 IE=359.2 IE(10")=358.4 IE(10")=360.3 (SSD) (CULV)

46' – 18" CULV (DIP) @9.6%

8"W (DEPTH ?) SEE NOTE 1

JB TYPE 277A 8" CB CONN (DIP) PROP

PROP 10" CULV (DIP)

IE (8")=364.1 IE=363.6 IE=363.6 IE (10")=364.0

24' – 18" CULV (DIP) @10.0%

R/W PALATINE AVE N WEST MARGIN

R/W PALATINE AVE N EAST MARGIN

MIN TOP OF SWALE EL=368.5

WEIR WALL #17

TOP OF BERM MERGE TO PROP SHOULDER EDGE

WEIR WALL #18

WEIR WALL #19

TOP SWALE EL=373.8±

BOTTOM SWALE EL=365.5

107TH–N27

107TH–N28

107TH–N29

107TH–N30

SWALE BTM EL=368.5

SWALE BTM EL=367.5

SWALE BTM EL=369.0

WEIR TOP EL=367.5 LOW FLOW NOTCH EL=366.5

WEIR TOP EL=368.5 LOW FLOW NOTCH EL=368.0

WEIR TOP EL=370.0 LOW FLOW NOTCH EL=369.5

OUTLET PIPE IE=370.0

59' – 18" CULV (DIP) @6.8%

DEBRIS BARRIER IE=366.0

CB, TYPE 240B RIM EL=366.7± PIPE IE=364.7± FIELD LOCATE TO EX FLOW LINE

PALATINE AVE N

DEBRIS (TYP) BARRIER

CASCADE SWALE 107TH–N23

CASCADE SWALE 107TH–N24

CASCADE SWALE 107TH–N25

CASCADE SWALE 107TH–N26

CASCADE SWALE 107TH–N27

CASCADE SWALE 107TH–N28

CASCADE SWALE 107TH–N29

CASCADE SWALE 107TH–N30

WEIR WALL (TYP)

RF MOD, TYP

REINFORCED SOIL WRAP WALL, TYP

DEBRIS BARRIER (TYP)

MH TYPE 201B STA 13+13.0, LT 24.0' =STA 87+37.2, RT 29.9' FOR CONTINUATION SEE PALATINE AVE N DRAINAGE PLAN ON SHEET 27

JB TYPE 277A STA 13+59.0 LT 24.0' FOR CONTINUATION SEE PALATINE AVE N DRAINAGE PLAN ON SHEET 27

FLOW LINE SEE PROFILE

TOP OF BERM, TYP

NW 107TH ST

18" CULV

2'HI CONC SLAB RET WALL

5'HI WOOD FENCE GATE

11+97.3, LT 24' WEIR WALL #15 12+00.8 LT 24.0'

12+37.4, LT 24.0'

12+66.2, LT 24.0' WEIR WALL #16 12+68.7 LT 24.0'

12+98.2, LT 24.0'

13+83.0 LT 24.0' WEIR WALL #17 13+87.2 LT 24.0'

14+12.3 LT 24.0' WEIR WALL #18

14+30.6 LT 24.0' WEIR WALL #19

14+44.7, LT 17.5'

ASPH

ASPH DWY

GRAVEL

MAIL BOX

15"TREE

4'HI CLF

3.5'HI CLF

2–10"TRUNK TREE

10"CEDAR

6"TREE

3"FIR

2–12"TRUNK TREE

(BURIED/REMOVED?)

NW 107TH ST
DRAINAGE PLAN & PROFILE 5/6

NATURE REVISIONS	MADE	CHK'D	REV'D

MARK	DATE

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
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CHECKED YJ

DRAWN CCH
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

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GLENN K. HASEGAWA STATE OF WASHINGTON 20158 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

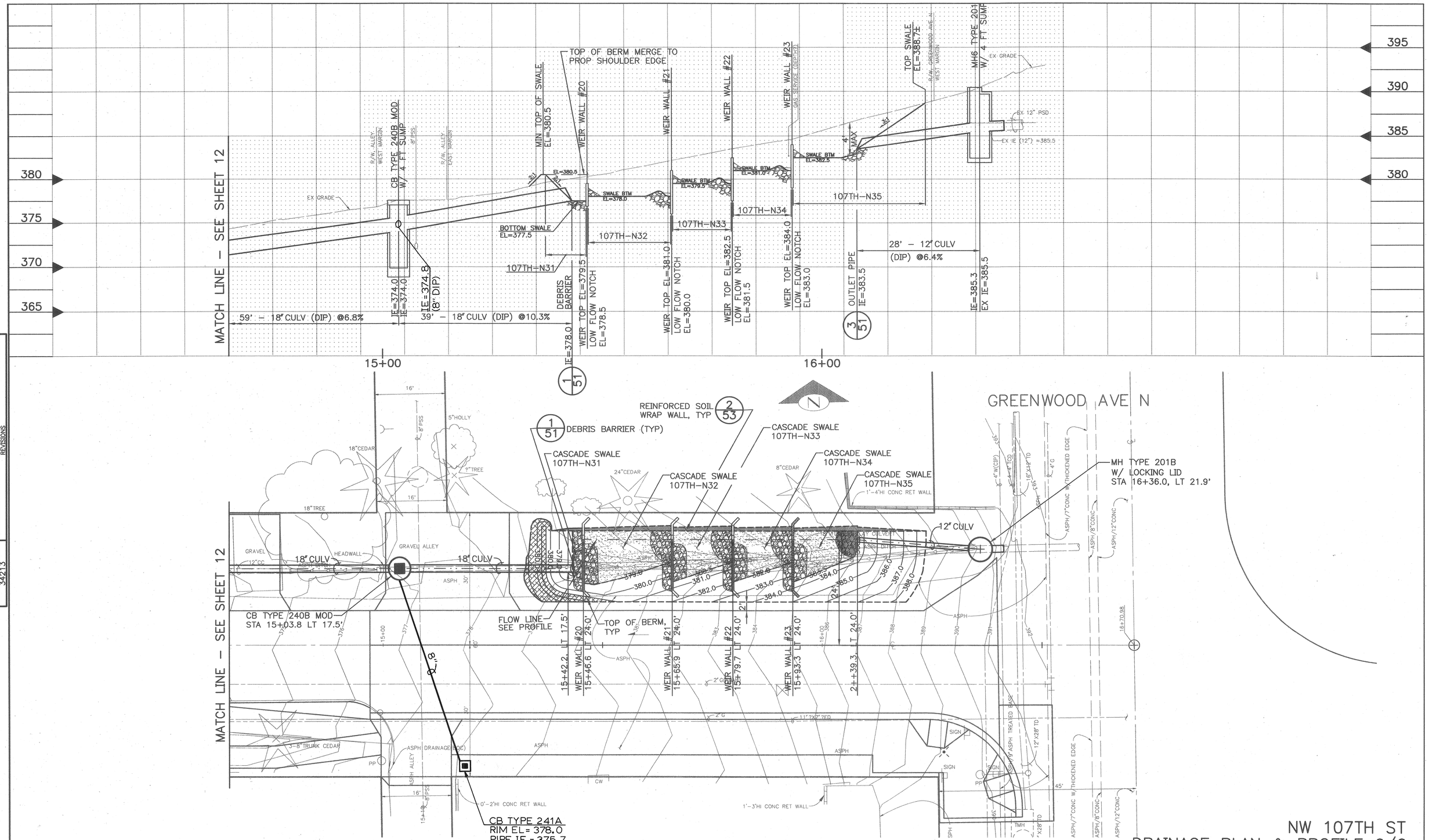
ORDINANCE NO.
FUND:
APPROVED
SCALE:H.1"=10' V.1"=5'
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329

VAULT PLAN NO. 777–580

SHEET 12 OF 59



NW 107TH ST
DRAINAGE PLAN & PROFILE 6/6

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
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DIRECTOR, CONTRACTING SERVICES

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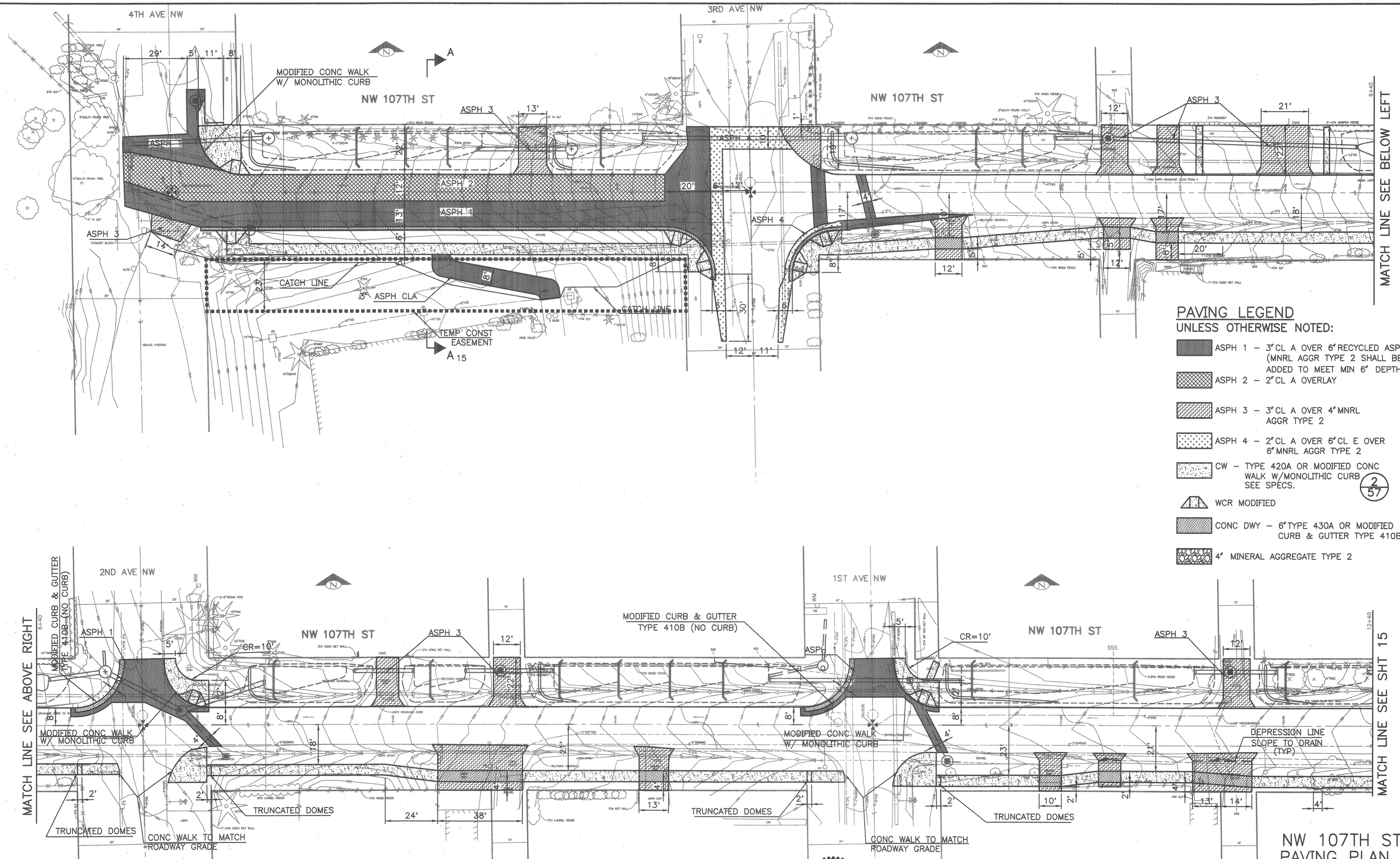
GLENN K. HASEGAWA STATE OF WASHINGTON 20158 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
APPROVED
FUND:
SCALE:H.1"=10' V.1"=5'
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 13 OF 59



PAVING LEGEND

UNLESS OTHERWISE NOTED:

- ASPH 1 – 3" CL A OVER 6" RECYCLED ASPH (MNRL AGGR TYPE 2 SHALL BE ADDED TO MEET MIN 6" DEPTH.)
- ASPH 2 – 2" CL A OVERLAY
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- ASPH 4 – 2" CL A OVER 6" CL E OVER 6" MNRL AGGR TYPE 2
- CW – TYPE 420A OR MODIFIED CONC WALK W/MONOLITHIC CURB SEE SPECS. (2/57)
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED CURB & GUTTER TYPE 410B
- 4" MINERAL AGGREGATE TYPE 2

NW 107TH ST PAVING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

City of Seattle
Seattle Department of Transportation

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

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DESIGNED ACJ 6/10/03	REVIEWED:
CHECKED	DES. CONST.
DRAWN DJM	SDOT PROJ. MGR.
CHECKED TMR	RECEIVED
	REVISED AS BUILT

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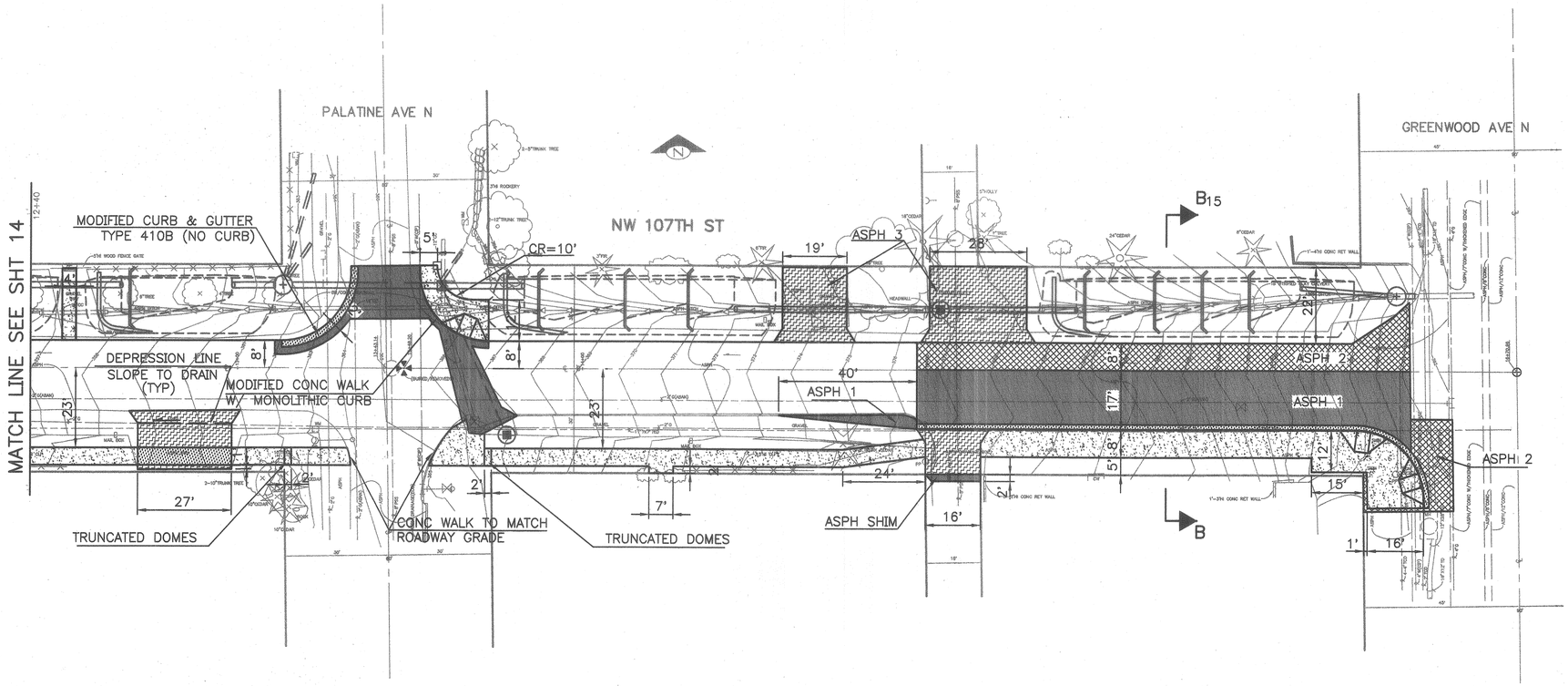
CHARLES C. JOHNSON — STATE OF WASHINGTON — 24618 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 03/10/2004

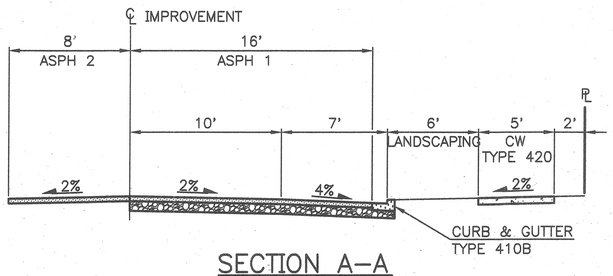
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: 1"=20'
APPROVED
INSPECTOR'S BOOK

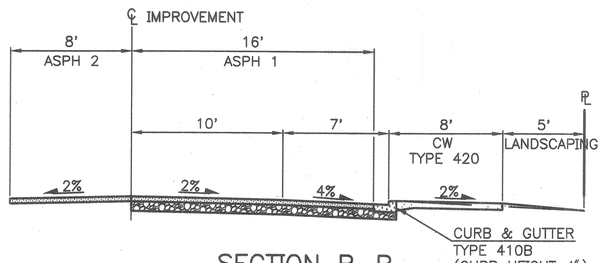
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 14 OF 59





SECTION A–A
NW 107TH ST
SCALE: 1" = 5'



SECTION B–B
NW 107TH ST
SCALE: 1" = 5'

PAVING LEGEND
UNLESS OTHERWISE NOTED:

- ASPH 1 – 3" CL A OVER 6" RECYCLED ASPH (MNRL AGGR TYPE 2 SHALL BE ADDED TO MEET MIN 6" DEPTH.)
- ASPH 2 – 2" CL A OVERLAY
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- ASPH 4 – 2" CL A OVER 6" CL E OVER 6" MNRL AGGR TYPE 2
- CW – TYPE 420A OR MODIFIED CONC WALK W/MONOLITHIC CURB SEE SPECS. (2/57)
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED CURB & GUTTER TYPE 410B
- 4" MINERAL AGGREGATE TYPE 2

NW 107TH ST
PAVING PLAN

NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK
34213		

P:\STREET\TWD9041\C300329_NW107TH_PAV_P14-15.DWG

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Seattle Department of Transportation

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		REVISED AS BUILT	

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RICHARD C. FORNEY — STATE OF WASHINGTON — 24610 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 03/19/2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE: 1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 15 OF 59

4TH AVE NW

3RD AVE NW

NW 107TH ST

CASCADE SWALE 107TH–N1

CASCADE SWALE 107TH–N2

CASCADE SWALE 107TH–N3

CASCADE SWALE 107TH–N4

CASCADE SWALE 107TH–N5

CASCADE SWALE 107TH–N6

CASCADE SWALE 107TH–N7

CASCADE SWALE 107TH–N8

CASCADE SWALE 107TH–N9

DITCH RETROFIT 107TH–N10

FENCE (RECYCLED PLASTIC)

FENCE

TYP. QUICK COUPLER

MATCH LINE – SEE BELOW LEFT

- 1" MAINLINE FOR QUICK COUPLER IRRIGATION
- 4" SLEEVE PROVIDED UNDER ALL PAVED SURFACES
- QUICK COUPLER LOCATIONS TO BE STAKED PER PLAN FOR APPROVAL BY THE ENGINEER (MAY BE SUBJECT TO ADJUSTMENT)
- ALL LINE & SLEEVES TO BE SCHEDULE 40 PVC

2ND AVE NW

1ST AVE NW

NW 107TH ST

CASCADE SWALE 107TH–N11

CASCADE SWALE 107TH–N12

CASCADE SWALE 107TH–N13

CASCADE SWALE 107TH–N14

CASCADE SWALE 107TH–N15

CASCADE SWALE 107TH–N16

CASCADE SWALE 107TH–N17

CASCADE SWALE 107TH–N18

CASCADE SWALE 107TH–N19

CASCADE SWALE 107TH–N20

CASCADE SWALE 107TH–N21

CASCADE SWALE 107TH–N22

CASCADE SWALE 107TH–N23

CASCADE SWALE 107TH–N24

FENCE (RECYCLED PLASTIC)

MATCH LINE – SEE ABOVE RIGHT

MATCH LINE – SEE SHT 17

*FOR LANDSCAPING & TREE SYMBOL LEGENDS SEE SHEET 17

NW 107TH ST LANDSCAPING PLAN

NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK
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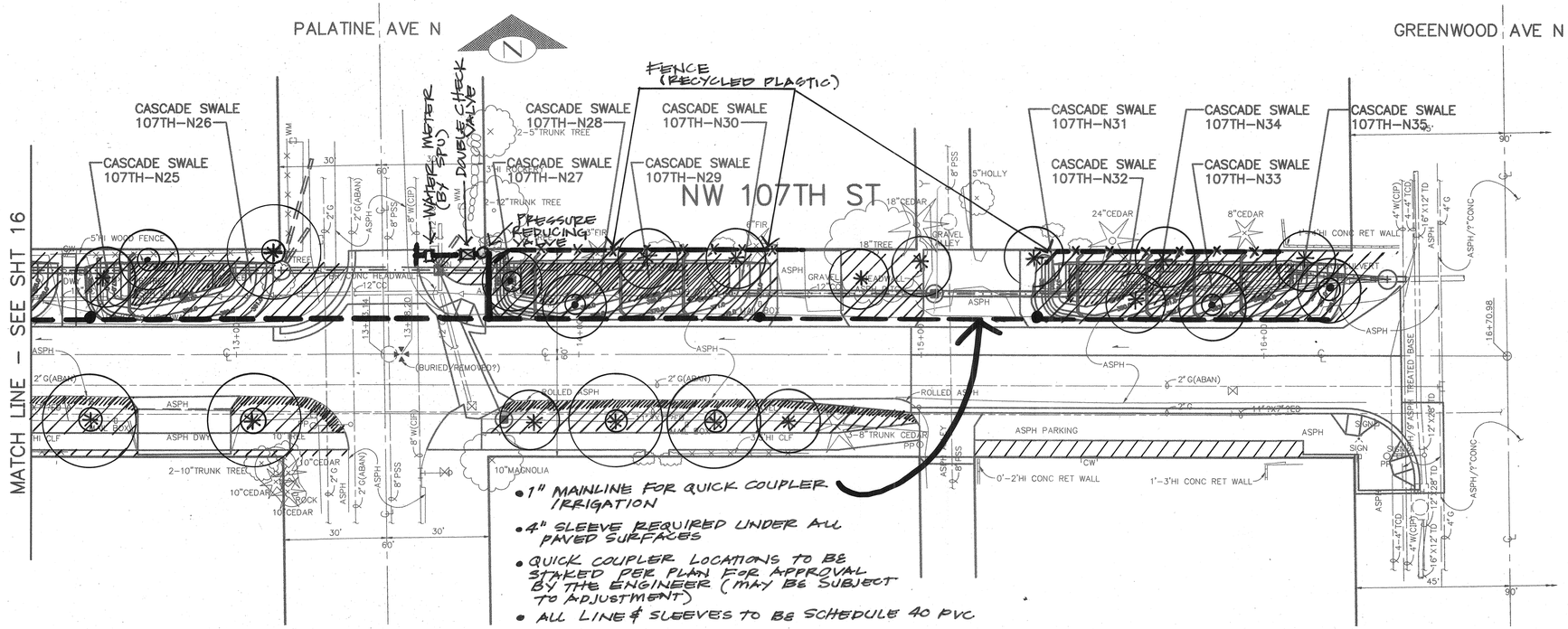
STATE OF WASHINGTON
REGISTERED LANDSCAPE ARCHITECT
SHANE E. DeWALD
CERTIFICATE NO. 473

Seattle Public Utilities
ORDINANCE NO.
FUND:
SCALE: 1" = 20'

City of Seattle
Chuck Clarke, Director
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 16 OF 59



LANDSCAPING NOTES

UNLESS OTHERWISE NOTED:

1. TREE LOCATIONS ARE SUBJECT TO FIELD VERIFICATION BY THE LANDSCAPE ARCHITECT TO ENSURE UTILITY CLEARANCE, SIGHT DISTANCE, COMPATIBILITY WITH VIEWS, SWALE SLOPES ETC.
2. PROJECT INCLUDES 1, 2, AND 3 MAN ROCK PLACEMENT TO BE FIELD-DIRCETED AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION.
3. INSTALLATION OF GRASS OR GROUND COVER SUBJECT TO CONFIRMATION BY ADJACENT PROPERTY OWNER. THE CONTRACTOR SHALL ALLOW 5 WORKING DAYS NOTICE TO COORDINATE FIELD MARKING BY THE ENGINEER.

LANDSCAPING LEGEND

PLANTING AREA PREPARATION – SEE SPECS

ENGINEERED SOIL INSTALLATION (OR SOD) SEE NOTE #3

TREE SYMBOL LEGEND

TREES PROCURED & PLANTED BY OTHERS

- FRAXINUS OXYCARPA 'RAYWOOD' RAYWOOD ASH (OR)
- CERCIDIPHYLLUM JAPONICUM KATSURA TREE
- ACER TRUNCATUM 'KIETHSFORM' NORWEGIAN SUNSET MAPLE (OR)
- ACER TRUNCATUM 'WARRENRED' PACIFIC SUNSET MAPLE
- CORNUS NUTALLI 'EDDIE'S WHITE WONDER' HYBRID DOGWOOD (OR)
- MAGNOLIA 'GALAXY' GALAXY MAGNOLIA
- AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE SERVICEBERRY (OR)
- MAGNOLIA X LOEBNERI 'BALLERINA' BALLERINA MAGNOLIA
- SORBUS AUCUPARIA EUROPEAN MOUNTAIN ASH (OR)
- SORBUS ALNIFOLIA KOREAN MOUNTAIN ASH
- PINUS THUNBERGIANA JAPANESE BLACK PINE (OR)
- PINUS NIGRA AUSTRIAN PINE
- CHAMAECYPARIS OBTUSA HINOKI CYPRESS (OR)
- CORYLUS MAXIMA 'PURPUREA'

NW 107TH ST
LANDSCAPING PLAN

NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK
34213		

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
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STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
SHANE E DeWALD
CERTIFICATE NO. 473

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
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APPROVED
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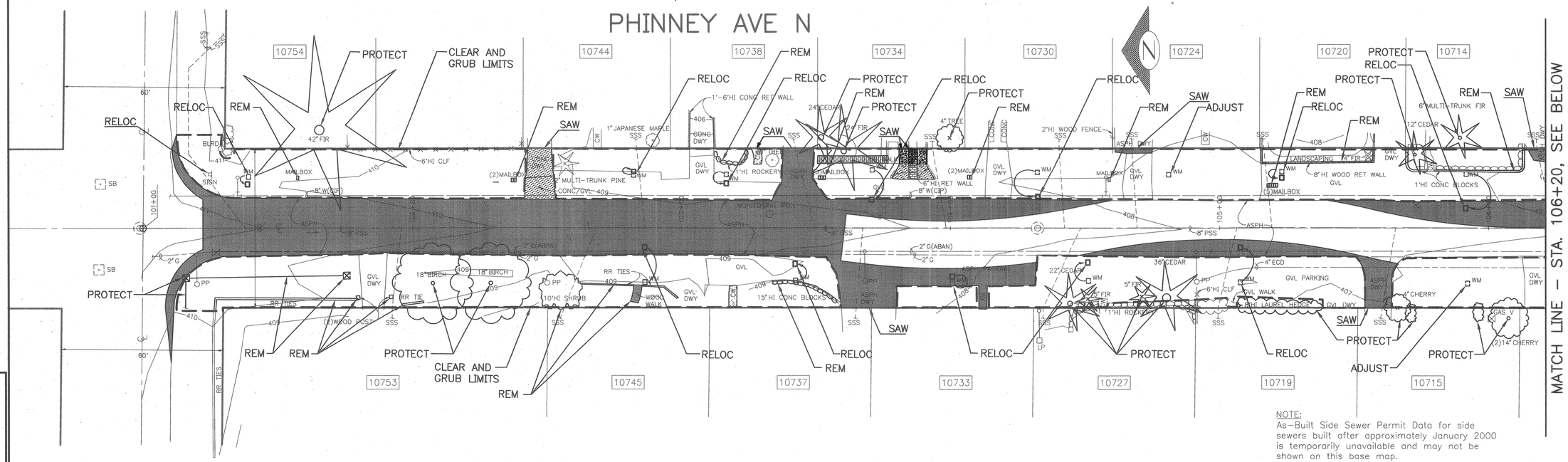
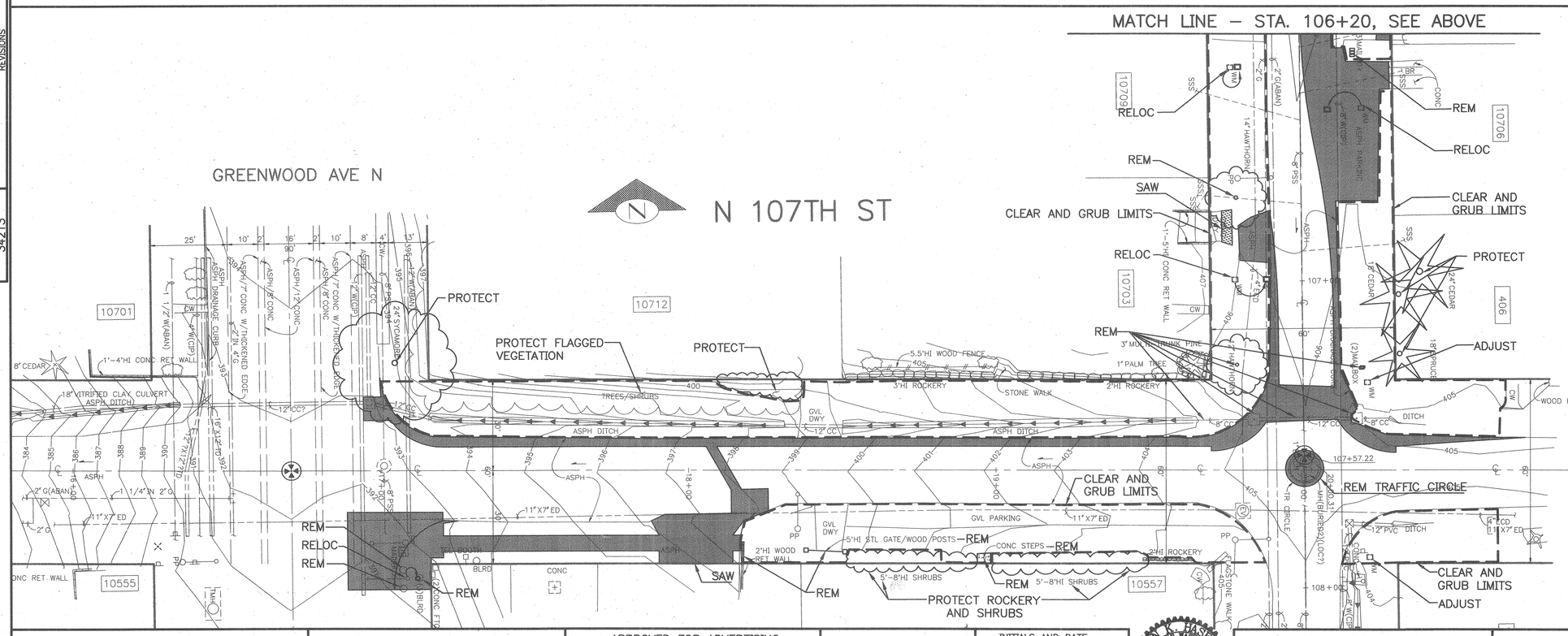
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 17 OF 59





LEGEND

- REMOVE ASPH PAVING
- REMOVE CONC WALK
- REMOVE CONC DWY
- CLEAR AND GRUB LIMITS

NOTES
UNLESS OTHERWISE NOTED:

1. WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SHALL BE BY SPU WATER. FOR WATER METER CONTACT DAN ENRICO, (206) 233-7184, 10 DAYS PRIOR TO ESTABLISHMENT OF THE ROUGH GRADE WITHIN THE TWO-FOOT ROAD SHOULDER (SEE SPECS). FOR HYDRANT CONTACT PAT LEE (206) 618-1318, 15 DAYS PRIOR TO CONSTRUCTION.
2. 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.
3. 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.
4. MAIL BOXES SHALL BE RELOCATED TO CLUSTER MAILBOX, SEE DETAIL 1/58

PHINNEY AVE N/N 107TH ST REMOVAL AND PROTECTION PLAN

NO.	NATURE REVISIONS	DATE	MADE	CHK'D	REV'D

VAULT SERIAL NO. 34213

City of Seattle
Seattle Department of Transportation

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KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

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STATE OF WASHINGTON
20158
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: 1" = 20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 18 OF 59

N 110TH ST

PHINNEY AVE N

GREENWOOD AVE N

N 107TH ST

PHINNEY AVE N

MATCH LINE – STA. 106+20, SEE BELOW

MATCH LINE – STA. 106+20, SEE ABOVE

INLET, TYPE 250A LOCATION FIELD DIRECTED

CONVEYANCE SWALE PH–E1 (5/54)

CONVEYANCE SWALE PH–E2 (5/54)

BIORETENTION SWALE PH–E3 (1/54)

BIORETENTION SWALE PH–E4 (1/54)

BIORETENTION SWALE PH–E5 (1/54)

BIORETENTION SWALE PH–E6 (1/54)

ENGINEERED SOIL BIORETENTION SWALE PH–E7 (3/54)

BIORETENTION SWALE PH–E8 (1/54)

BIORETENTION SWALE PH–E9 (1/54)

STA 105+47.9, LT 23.3'

12' LOG WEIR STA 106+04.1 LT 20.4'

10" CULV STA 106+06.5 LT 21.3'

1 MAN ROCK (TYP) (4/55)

2 MAN ROCK (TYP) (4/55)

DEPRESSION LINE

TRENCH INLET (TYP) (2/56)

TRENCH DRAIN (5/55)

TRENCH OUTLET (TYP) (2/55)

PIPE INLET B (TYP) (4/56)

PIPE OUTLET (TYP) (1/55)

PIPE INLET A (TYP) (1/56)

BERM AREA TYP (6/56)

CONVEYANCE SWALE PH–W7 (5/54)

BIORETENTION SWALE PH–W1 (1/54)

BIORETENTION SWALE PH–W2 (1/54)

BIORETENTION SWALE PH–W3 (1/54)

LOG WEIR, TYP STA 103+46.9 RT 22.6' (3/55)

ENGINEERED SOIL SWALE PH–W4 (3/54)

BIORETENTION SWALE PH–W5 (1/54)

BIORETENTION SWALE PH–W6 (1/54)

NOTE:
As–Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

ENGINEERED SOIL SWALE PH–W9 (3/54)

BIORETENTION SWALE PH–W8 (1/54)

ENGINEERED SOIL SWALE W/ SSD PH–E10 (4/54)

BIORETENTION SWALE 107TH–N41 (1/54)

CASCADE SWALE 107TH–N36

CASCADE SWALE 107TH–N37

CASCADE SWALE 107TH–N38

CASCADE SWALE 107TH–N39

CASCADE SWALE 107TH–N40

WEIR WALL AREA, TYP (1/49)

DEBRIS BARRIER STA 18+57.4 LT 23.0' (1/51)

DEBRIS BARRIER STA 19+15.0 LT 20.2' (1/51)

WEIR WALL #24 STA 17+36.6 LT 20.5'

WEIR WALL #25 STA 17+75.1 LT 21.8'

WEIR WALL #26 STA 18+07.3 LT 20.2'

WEIR WALL #27 STA 18+62.1 LT 22.6'

WEIR WALL #28 STA 19+20.1 LT 22.0'

FLOW MONITORING WEIR, SEE SPEC STA 17+31.4 LT 21.0'

1'HI EARTH BERM (6/56)

OUTLET PIPE STA 18+31.8 LT 21.3' (3/51)

OUTLET PIPE STA 18+93.7 LT 20.1' (3/51)

OUTLET PIPE STA 19+61.8 LT 23.0' =STA 107+38.8 RT 38.2' (3/51)

OUTLET PIPE STA 19+61.3 LT 19.8' (3/51)

STA 107+29.1 RT 22.7'

12" –11¼° HB STA 17+02.3 LT 21.0'

10" –11¼° HB STA 103+83.33 LT 16.3'

10" –11¼° HB STA 106+67.3 RT 25.1'

STA 106+90 RT 19.1'

12' LOG WEIR STA 107+26 RT 21.5'

STA 106+30.9 RT 21.6'

STA 106+36.0 RT 21.5'

STA 106+47.9 RT 25.1'

STA 106+61.5 RT 25.1'

STA 106+44.5 LT 20.3'

STA 106+50.0 LT 18.9'

STA 106+70.4 LT 22.3'

12' LOG WEIR STA 106+90.5 LT 22.7'

STA 106+93.3 LT 22.3'

10" WYE STA 106+97.4 LT 19.2'

STA 101+78.7 RT 14.8'

STA 101+94.3 RT 13.25'

STA 102+65.5 LT 27.6'

STA 102+72.04 LT 27.7'

STA 102+95.6 RT 14.7'

STA 103+16.2 RT 14.9'

STA 103+31.2 LT 20.9'

STA 103+52.2 RT 23.8'

STA 103+58.2 LT 19.0'

STA 103+74.29 LT 17.15'

STA 103+86.8 RT 23.8'

STA 103+99.2 LT 17.95'

STA 104+02.2 RT 24.5'

STA 104+05.2 RT 24.3'

STA 104+07.7 LT 22.1'

STA 104+18.5 RT 24.4'

STA 104+27.8 RT 22.9'

STA 104+28.3 LT 21.3'

STA 104+53.8 LT 24.4'

STA 104+58.7 RT 18.4'

STA 105+20.2 LT 25.3'

STA 105+28.2 RT 17.6'

STA 105+31.5 LT 17.3'

STA 105+50.3 LT 22.5'

STA 105+83.4 LT 15.9'

STA 106+06.5 LT 21.3'

STA 107+02.0 LT 21.0'

STA 107+31.4 LT 19.5'

RIM EL=397.7 5'–8"HI SHRUBS CB, TYPE 240B. IE=395.6, STA 18+20, RT 14.45'

10" CULV

12" CULV

8" W(STR)

8" PSS

12" CC?

24" SYCAMORE

18" CHERRY

12' CEDAR

8" CEDAR

18" BIRCH

42" FIR

24" FIR

4" TREE

2'HI WOOD FENCE

5'HI ROCKERY

5'HI STL GATE/WOOD POSTS

CONC STEPS

GVL PARKING

ASPH PARKING

ASPH DITCH

18" (VITRIFIED CLAY CULVERT ASPH. DITCH)

1'–4"HI CONC RET WALL

5'–8"HI SHRUBS

MULTI–TRUNK PINE

17' PALM TREE

MAPLE

MULTI–TRUNK FIR

WOOD FENCE

MAILBOX

TRAFFIC CIRCLE

LOG WEIR (CONC)

MH TYPE 200B

10701 10753 10744 10745 10738 10737 10734 10733 10730 10727 10724 10720 10719 10714 10715 10555 10557

LEGEND

- 0% SLOPE SWALE BOTTOM
- BERM SUPPORT AREA, SEE (1/50) & (6/56)
- STREAMBED COBBLES
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- REINFORCED SOIL WRAP WALL, SEE (2/53)
- ROCK FACING MOD, SEE (1/53)

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

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DRAWN DD STAFF	SDOT PROJ. MGR
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CHUCK K. HASEGAWA STATE OF WASHINGTON 20158 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08–17–2004

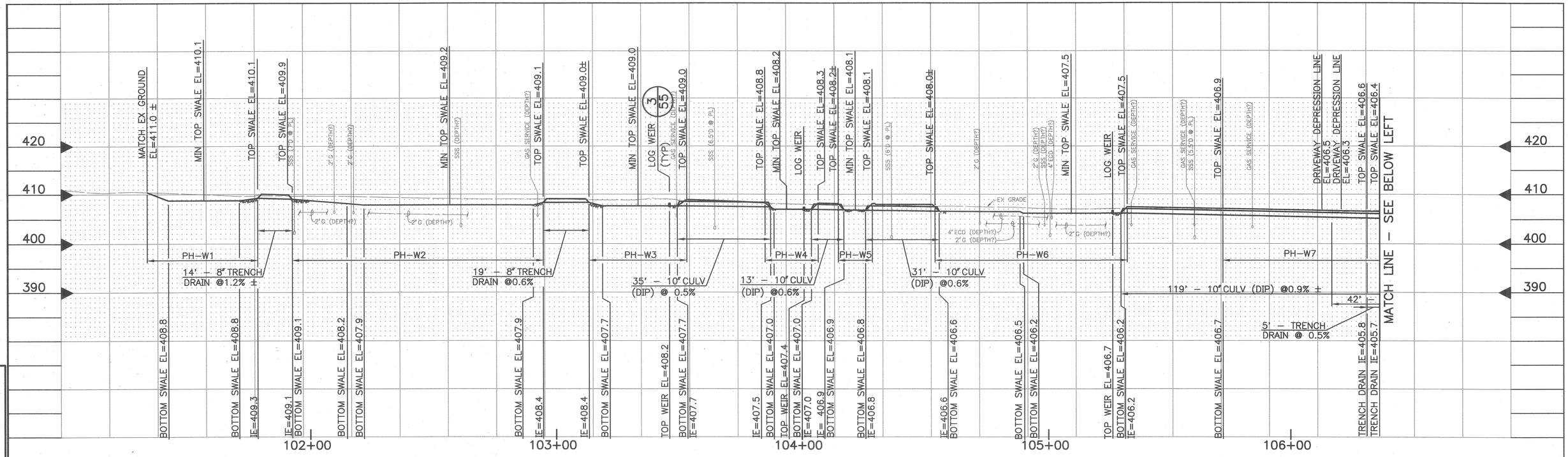
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

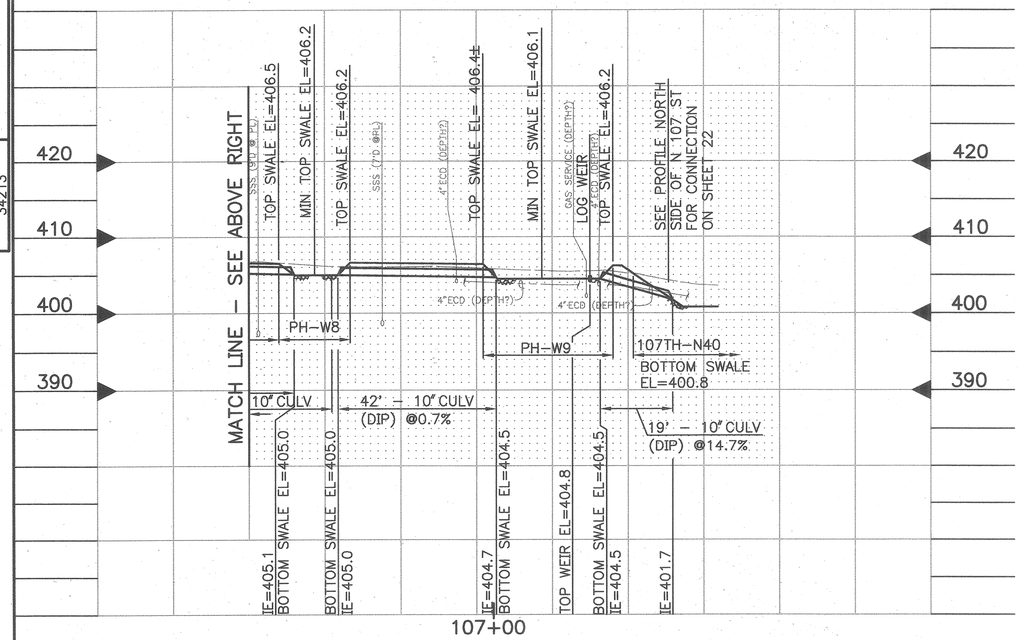
ORDINANCE NO.
FUND:
SCALE:1" =20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N
PHINNEY AVE N/N 107TH ST DRAINAGE PLAN

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 19 OF 59

VAULT SERIAL NO. 34213
NATURE REVISIONS
DATE MARK MADE CHK'D REV'D





NOTE:

CONTRACTOR SHALL VERIFY DEPTH OF ECD (ELECTRICAL CONDUIT) AND REPORT TO ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

PHINNEY AVE N
DRAINAGE PROFILE, WEST SIDE

NO.	NATURE REVISIONS	MADE	CHK'D	REVD

VAULT SERIAL NO.	DATE	MARK
34213		

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

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EXPIRES 08-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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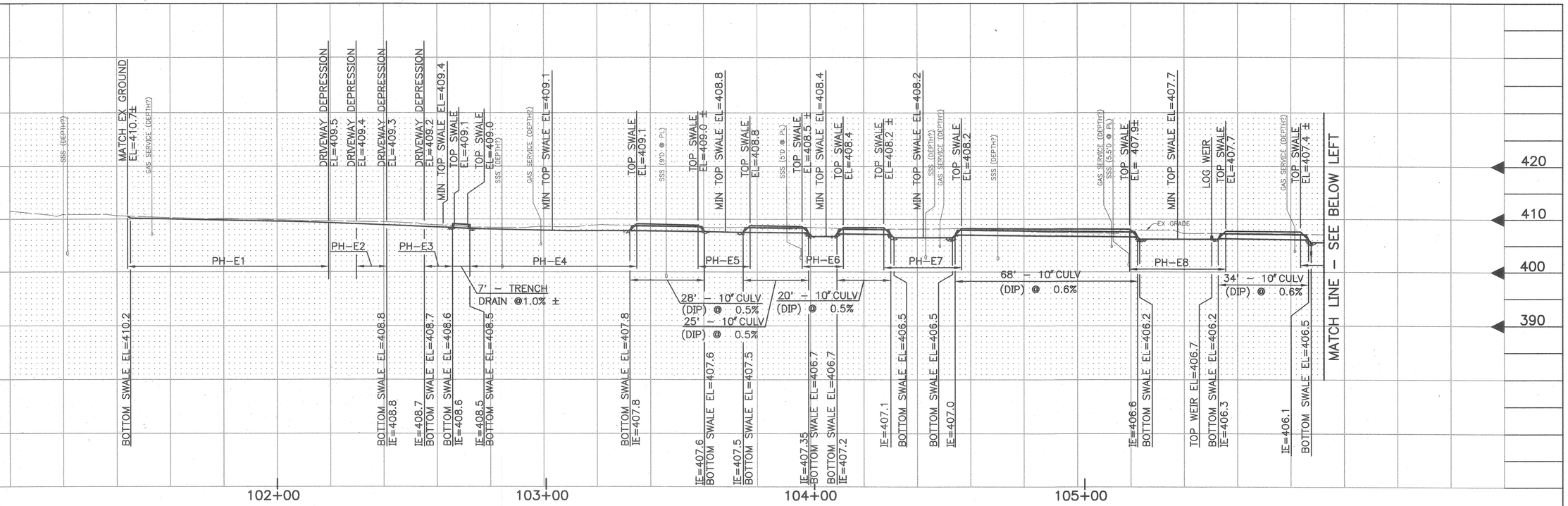
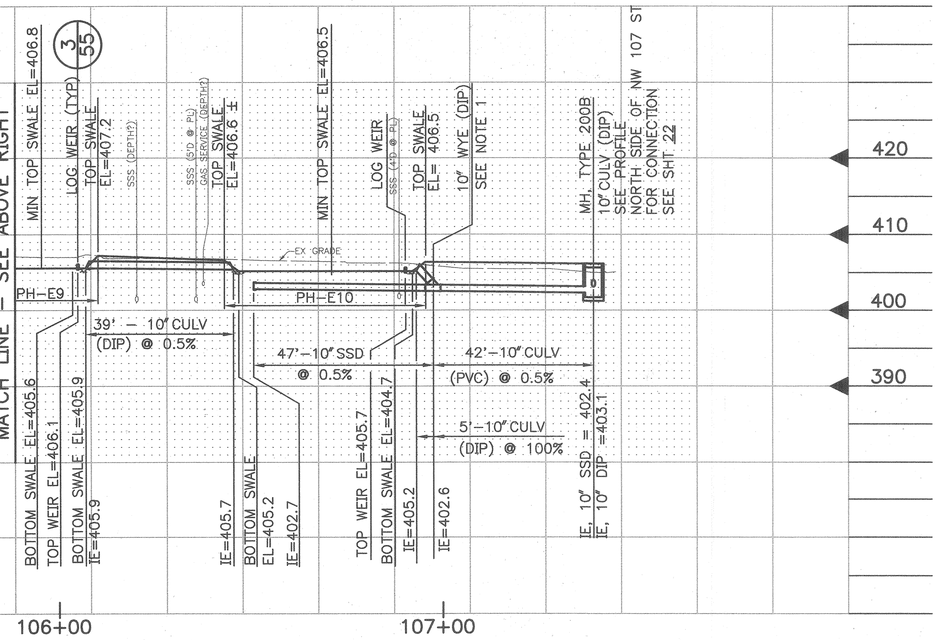
SCALE:H:1"=20' V:1"=10' INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 20 OF 59





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VAULT SERIAL NO. 34213 | DATE | MARK

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GLENN L. HASEGAWA STATE OF WASHINGTON 20158 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

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City of Seattle
Chuck Clarke, Director

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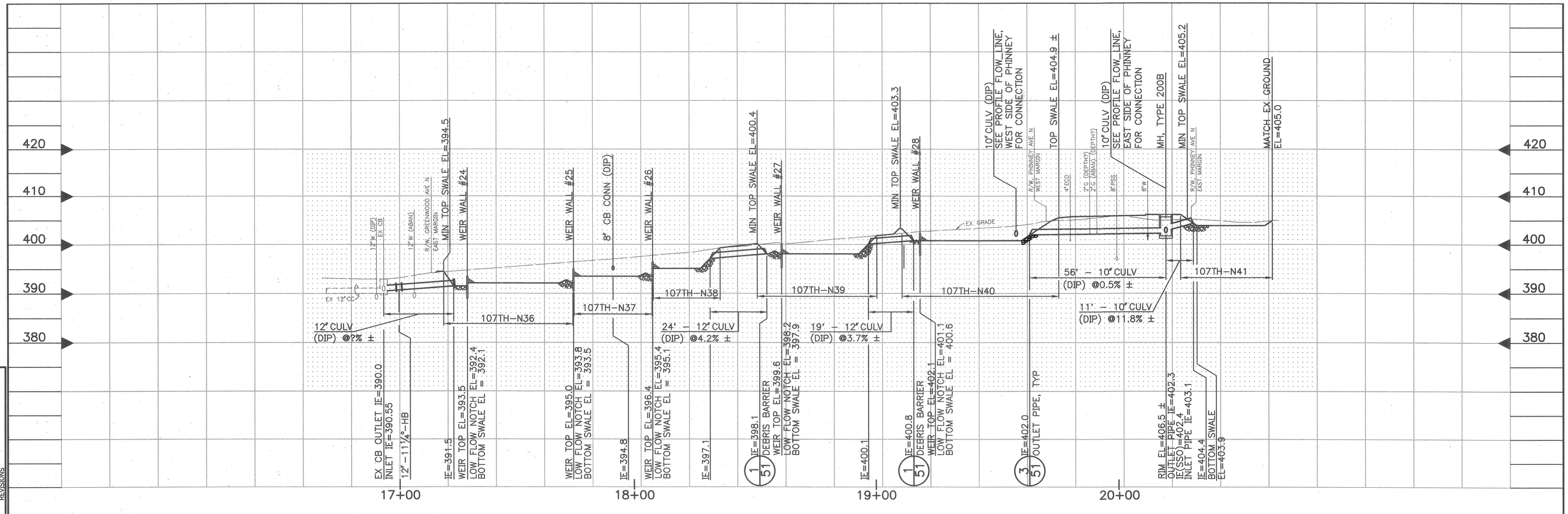
PHINNEY AVE N
DRAINAGE PROFILE, EAST SIDE

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 21 OF 59



VAULT SERIAL NO.	DATE	MARK	NATURE OF REVISIONS	MADE	CHK'D	REV'D
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GLENN L. HASEGAWA
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N 107TH ST
DRAINAGE PROFILE, NORTH SIDE

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 22 OF 59

N 110TH ST

PHINNEY AVE N

CLUSTERED MAILBOXES 1/58

PT 6+10.71 STA 101+50.23 (ML)

PRC 5+66.47 STA 101+94.23 (ML) RT. 3.90'

PC 4+93.38 STA 102+67.04 (ML) RT. 6.14'

PT 3+90.86 STA 103+68.88 (ML) LT. 5.67'

PRC 3+08.96 STA 104+50.31 (ML) LT. 1.73'

PRC 2+03.95 STA 105+54.44 (ML) LT. 2.90'

DEPRESSION LINE SLOPE OF DRAIN (TYP)

TEMP CONST EASEMENT

DEPRESSION LINE SLOPE TO DRAIN

MODIFIED CURB & GUTTER (NO CURB)

TRUNCATED DOMES

ASPH 1 / ASPH 2 / ASPH 3

CR=5" / CR= 8' / CR=8"

MATCH LINE – STA. 106+55, SEE ABOVE

NOTE:
As-Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

SECTION A-A
PHINNEY AVE NW
SCALE: 1" = 5'

SECTION B-B
PHINNEY AVE NW
SCALE: 1" = 5'

GREENWOOD AVE N

N 107TH ST

MODIFIED CW W/ MONOLITHIC CURB

MODIFIED CURB & GUTTER (NO CURB)

2% / 2" VERT.

PRC 0+96.27
STA 106+61.27 (ML)
LT. 4.98'

PC 0+45.33
STA 107+11.89 (ML)

MONOLITHIC CURB & SIDEWALK

10' DIA TRAFFIC CIRCLE TYPE 415

PAVING LEGEND
UNLESS OTHERWISE NOTED:

- ASPH 1 – 3" CL A OVER 6" RECYCLED ASPH (MNRL AGGR TYPE 2 SHALL BE ADDED TO MEET MIN 6" DEPTH.)
- ASPH 2 – 2" CL A OVERLAY
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- ASPH 4 – 2" CL A OVER 6" CL E OVER 6" MNRL AGGR TYPE 2
- CW – TYPE 420A OR MODIFIED CONC WALK W/MONOLITHIC CURB SEE SPECS. (2/57)
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED CURB & GUTTER TYPE 410B
- 4" MINERAL AGGREGATE TYPE 2

PHINNEY AVE N/N 107TH ST
PAVING PLAN

NATURE	MADE	CHK'D	REV'D
REVISIONS			

VAULT SERIAL NO.	DATE	MARK
3423		

P:\STREET\TWD9041\C300329_PHINNEY_PAV_P23.DWG

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Seattle Department of Transportation

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CHARLES C. JOHNSON
STATE OF WASHINGTON
24618
REGISTERED PROFESSIONAL ENGINEER
6-10-03
EXPIRES 03/16/2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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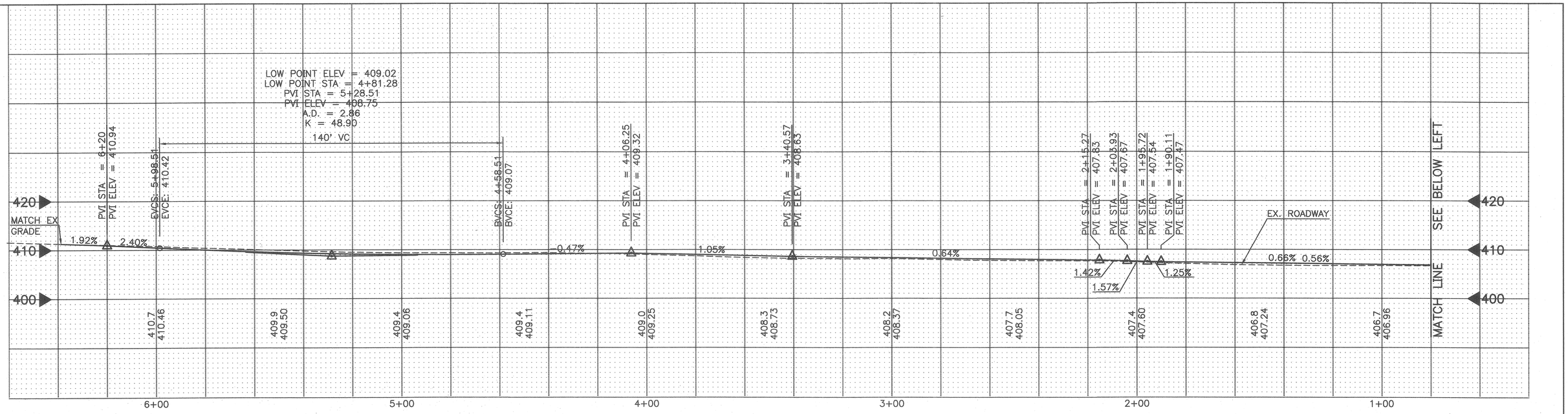
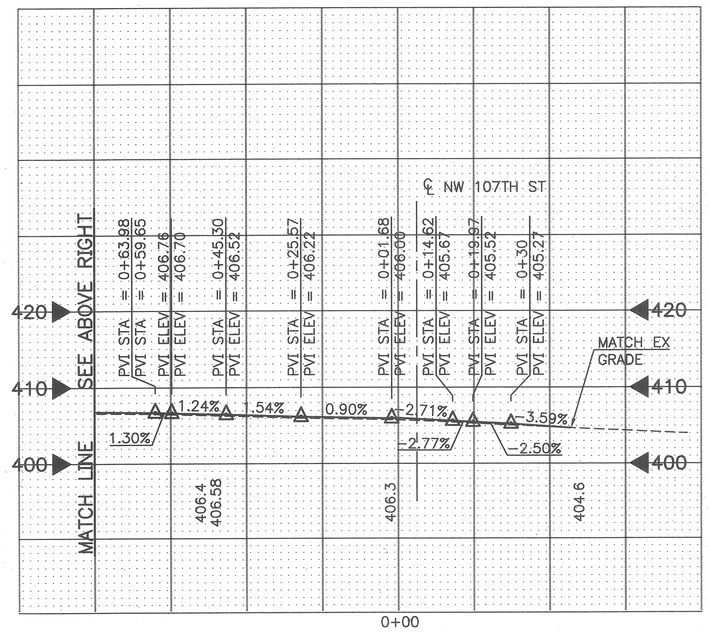
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 23 OF 59





SUPERELEVATIONS/CROSS SLOPE PERCENTAGES AND TRANSITION

PHINNEY AVE N

WEST SIDE			EAST SIDE		
% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄	START STATION	END STATION
MATCH EXISTING	0+00	0+19.5	MATCH EXISTING	0+00	0+19.5
4	0+19.5	4+40	2	0+19.5	6+38.9
TRANSITION	4+40	4+90			
2	4+90	6+38.9			

PHINNEY AVE N
PAVING PROFILE

City of Seattle
Seattle Department of Transportation

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MICHAEL C. JOHNSON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 03/19/2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
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FUND#
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BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W
CO C300329
VAULT PLAN NO. 777-580
SHEET 24 OF 59

VAULT SERIAL NO. 34213
DATE
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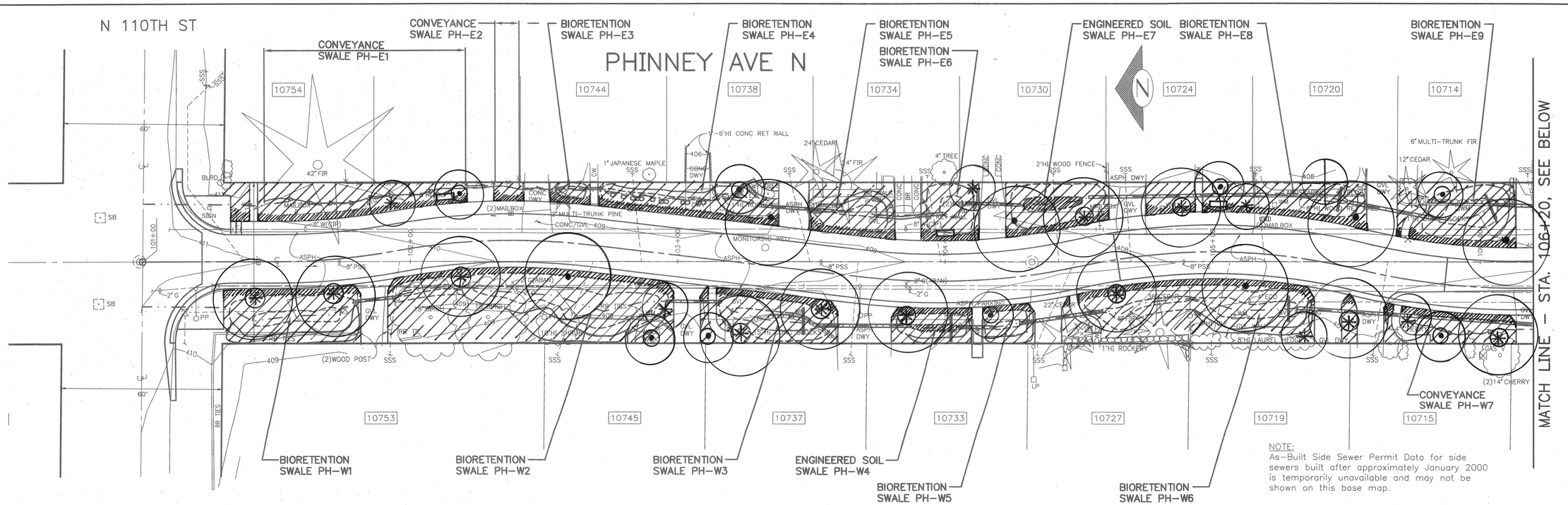
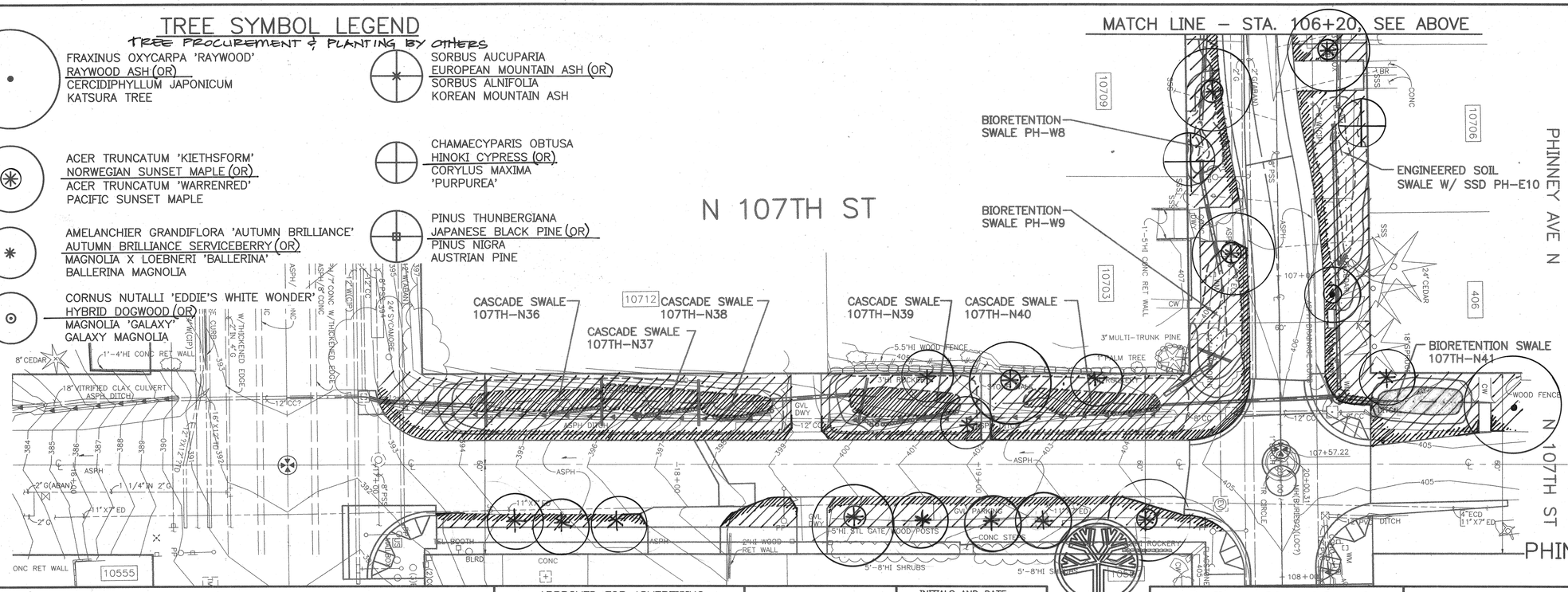


TREE SYMBOL LEGEND

TREE PROCUREMENT & PLANTING BY OTHERS

- FRAXINUS OXYCARPA 'RAYWOOD' — RAYWOOD ASH (OR) — CERCIDIPHYLLUM JAPONICUM KATSURA TREE
- SORBUS AUCUPARIA — EUROPEAN MOUNTAIN ASH (OR) — SORBUS ALNIFOLIA KOREAN MOUNTAIN ASH
- ACER TRUNCATUM 'KIETHSFORM' — NORWEGIAN SUNSET MAPLE (OR) — ACER TRUNCATUM 'WARRENRED' PACIFIC SUNSET MAPLE
- CHAMAECYPARIS OBTUSA — HINOKI CYPRESS (OR) — CORYLUS MAXIMA 'PURPUREA'
- AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE' — AUTUMN BRILLIANCE SERVICEBERRY (OR) — MAGNOLIA X LOEBNERI 'BALLERINA' BALLERINA MAGNOLIA
- PINUS THUNBERGIANA — JAPANESE BLACK PINE (OR) — PINUS NIGRA AUSTRIAN PINE
- CORNUS NUTALLI 'EDDIE'S WHITE WONDER' — HYBRID DOGWOOD (OR) — MAGNOLIA 'GALAXY' GALAXY MAGNOLIA



LANDSCAPING LEGEND

- PLANTING AREA PREPARATION - SEE SPECS
- ENGINEERED SOIL INSTALLATION (OR SOD) (SEE NOTE #3)

LANDSCAPING NOTES

UNLESS OTHERWISE NOTED:

1. TREE LOCATIONS ARE SUBJECT TO FIELD VERIFICATION BY THE LANDSCAPE ARCHITECT TO ENSURE UTILITY CLEARANCE, SIGHT DISTANCE, COMPATIBILITY WITH VIEWS, SWALE SLOPES ETC.
2. PROJECT INCLUDES 1, 2, AND 3 MAN ROCK PLACEMENT TO BE FIELD-DIRCETED AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION.
3. INSTALLATION OF GRASS OR GROUND COVER SUBJECT TO CONFIRMATION BY ADJACENT PROPERTY OWNER. THE CONTRACTOR SHALL ALLOW 5 WORKING DAYS NOTICE TO COORDINATE FIELD-MARKING BY THE ENGINEER.

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STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
SHANE E DeWALD
CERTIFICATE NO. 473

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 25 OF 59

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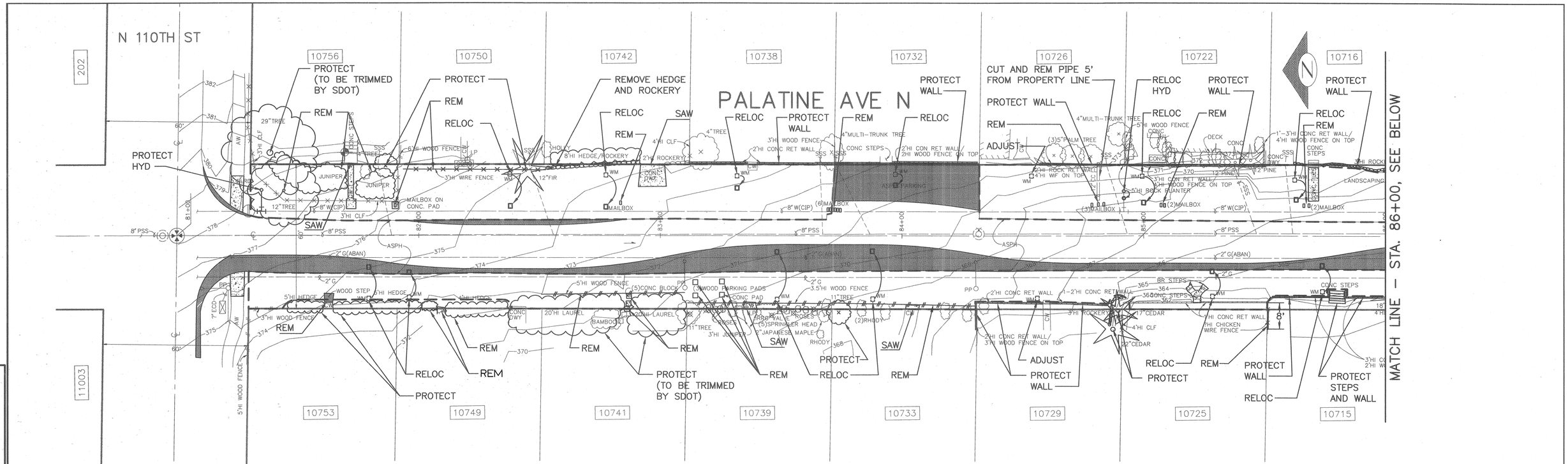

LEGEND

- REMOVE ASPH PAVING
- REMOVE CONC WALK
- REMOVE CONC DWY
- CLEAR AND GRUB LIMITS

NOTES

UNLESS OTHERWISE NOTED:

1. WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SHALL BE BY SPU WATER. FOR WATER METER CONTACT DAN ENRICO, (206) 233-7184, 10 DAYS PRIOR TO ESTABLISHMENT OF THE ROUGH GRADE WITHIN THE TWO-FOOT ROAD SHOULDER (SEE SPECS). FOR HYDRANT CONTACT PAT LEE (206) 618-1318, 15 DAYS PRIOR TO CONSTRUCTION.
2. 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.
3. 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.

PALATINE AVE N
REMOVAL AND PROTECTION PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
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Seattle Department of Transportation

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GLENN K. HASEGAWA
STATE OF WASHINGTON
20153
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

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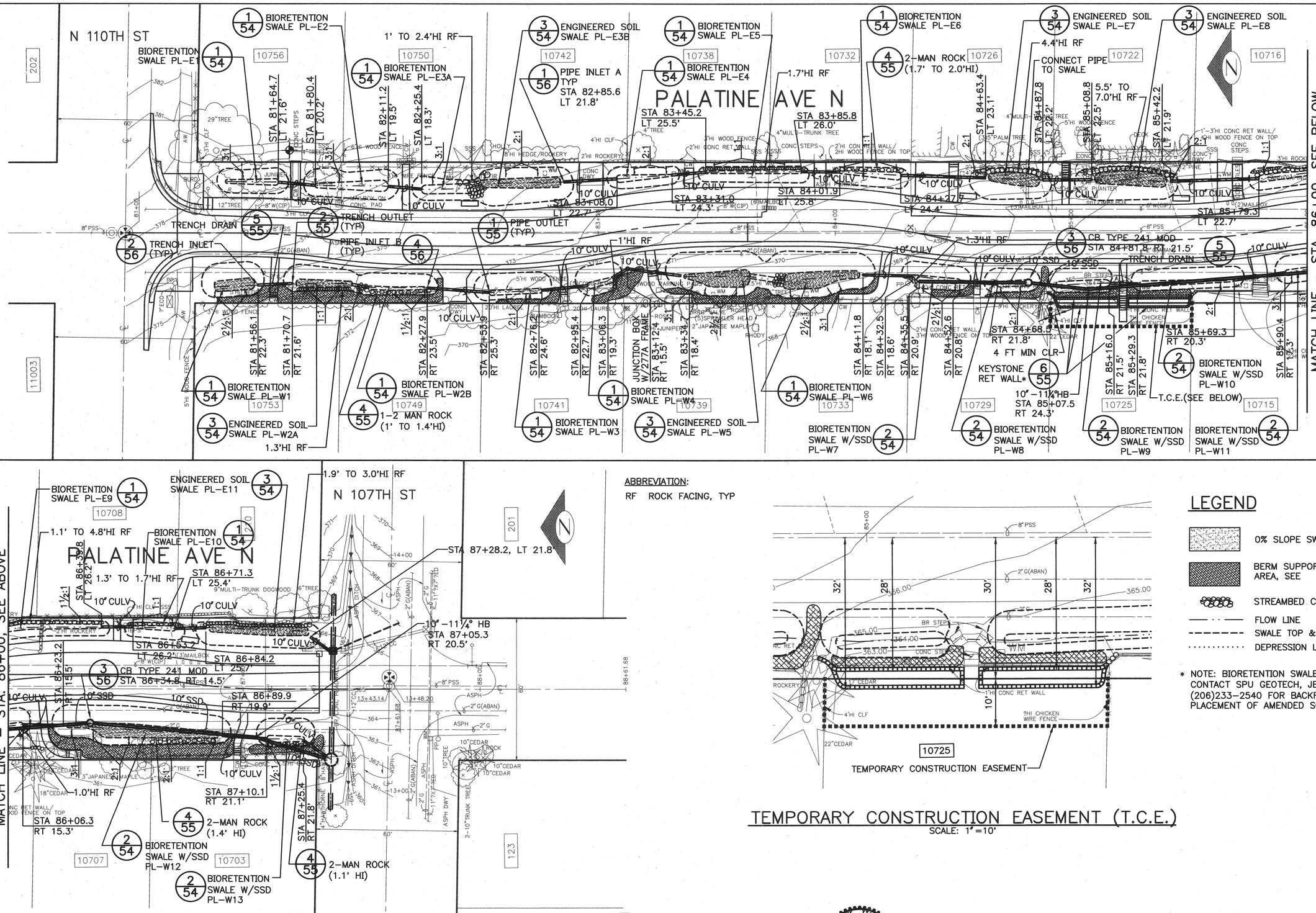
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W
CO C300329
VAULT PLAN NO. 777-580
SHEET 26 OF 59



ABBREVIATION:

RF ROCK FACING, TYP

TEMPORARY CONSTRUCTION EASEMENT (T.C.E.)

SCALE: 1"=10'

LEGEND

- 0% SLOPE SWALE BOTTOM
- BERM SUPPORT AREA, SEE 6/56
- STREAMBED COBBLES
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE

* NOTE: BIORETENTION SWALE PL–W9 & PL–W10: CONTACT SPU GEOTECH, JEFF FOWLER @ (206)233–2540 FOR BACKFILL APPROVAL PRIOR TO PLACEMENT OF AMENDED SOIL.

PALATINE AVE N DRAINAGE PLAN

NO.	NATURE REVISIONS	DATE	MARK

VAULT SERIAL NO. 32213

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STATE OF WASHINGTON 20168 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08–17–2004

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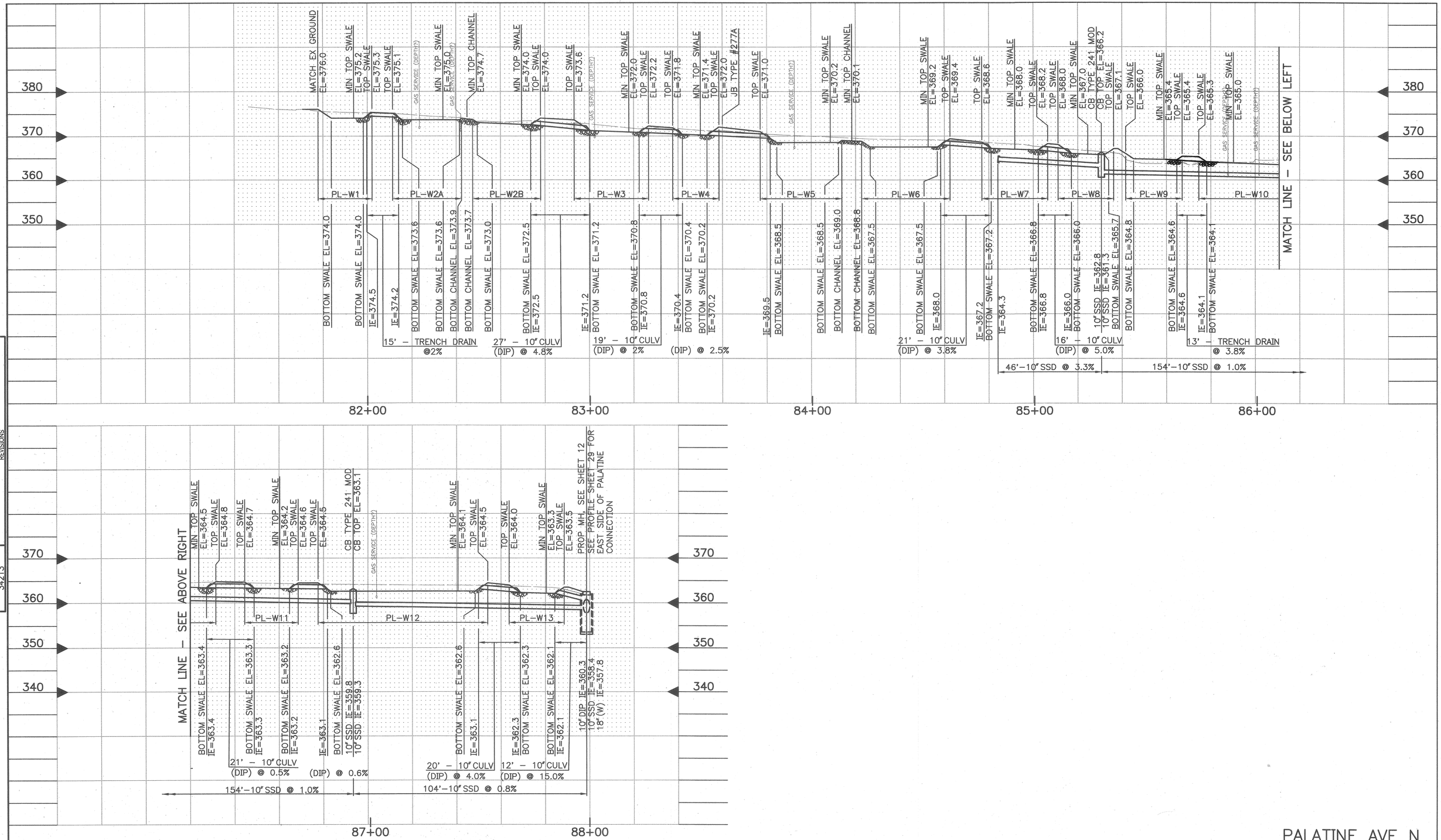
SHEET 27 OF 59



PALATINE AVE N
DRAINAGE PROFILE, WEST SIDE

NO.	NATURE REVISIONS	MARK	DATE	MADE	CHK'D	REVD

VAULT SERIAL NO. 34213

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GLENN HARRAMAN
STATE OF WASHINGTON
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REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

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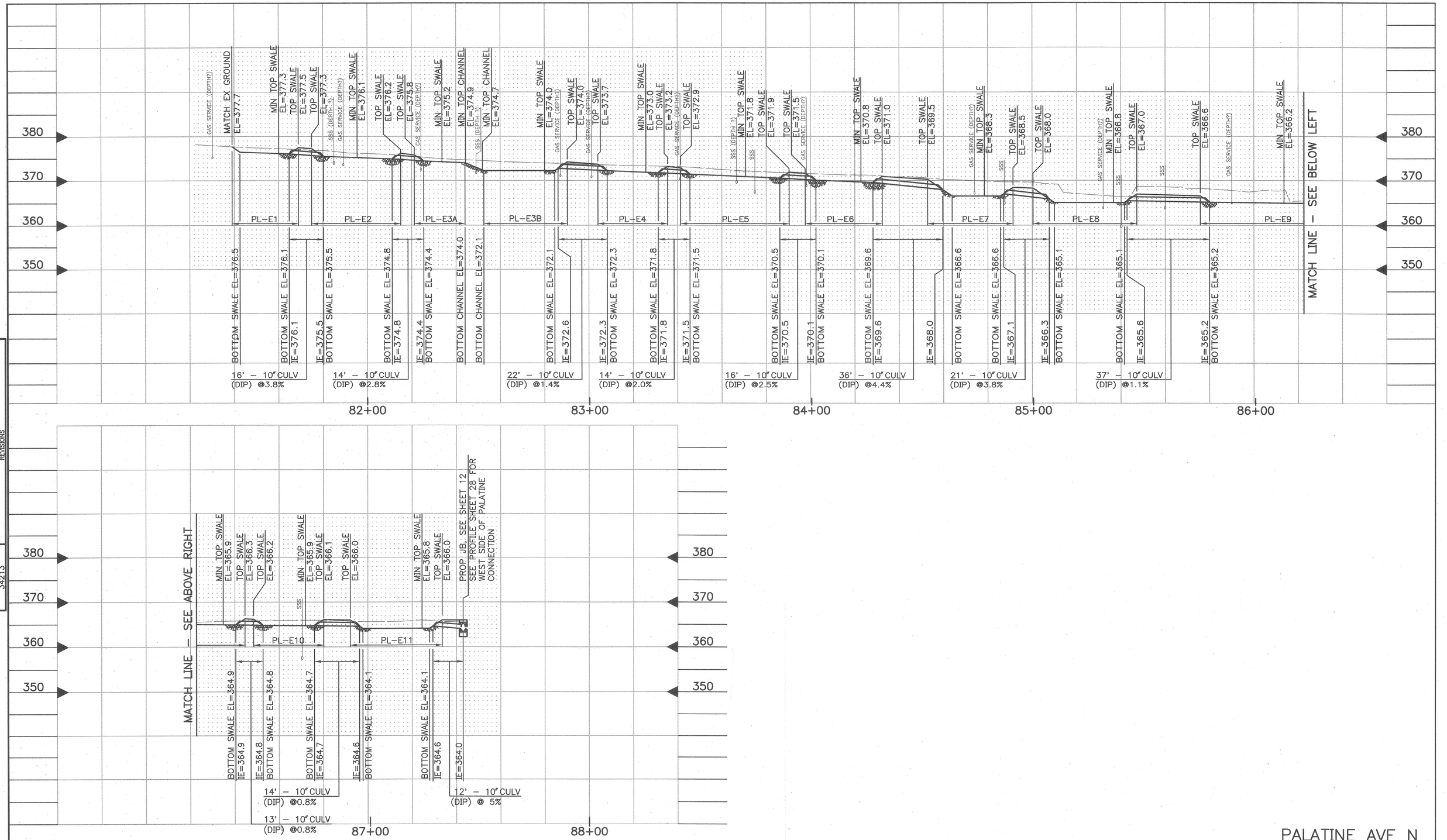
VAULT PLAN NO. 777-580
SHEET 28 OF 59



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GLENN R. HASCHAK STATE OF WASHINGTON 20158 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

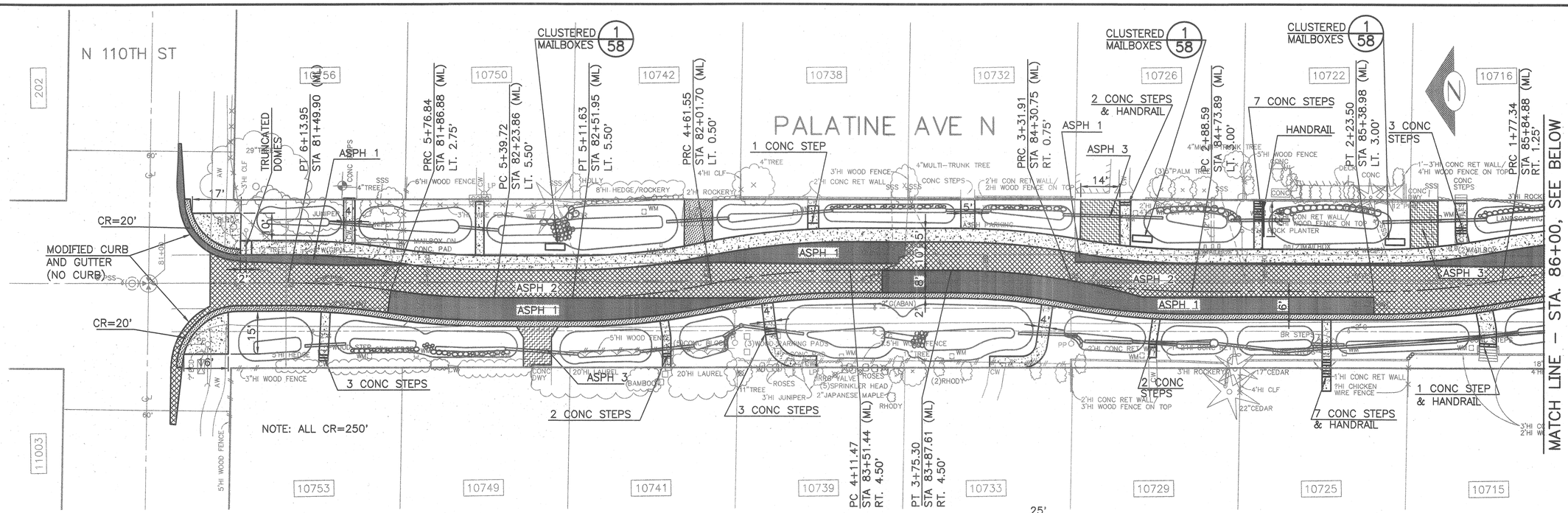
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

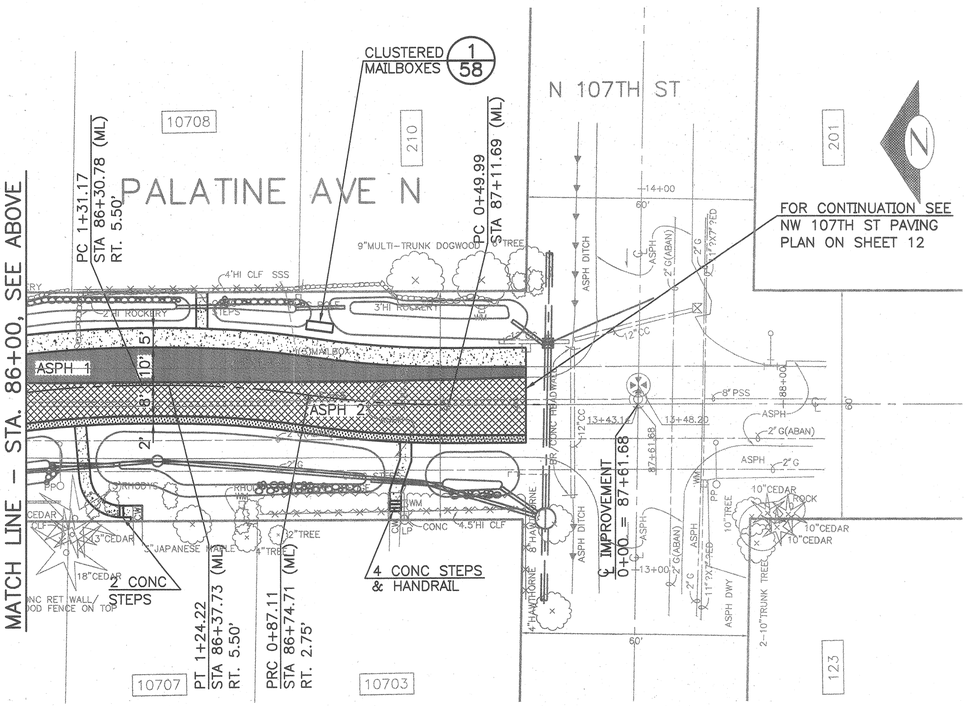
ORDINANCE NO.
APPROVED
FUND:
SCALE:H:1"=20' V:1"=10'
INSPECTOR'S BOOK

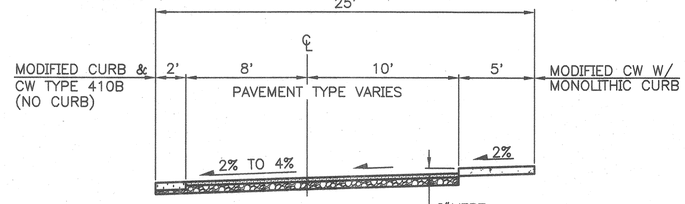
PALATINE AVE N
DRAINAGE PROFILE, EAST SIDE

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 29 OF 59







TYPICAL SECTION
PALATINE AVE NW
SCALE: 1" = 5'

SUPERELEVATIONS/CROSS SLOPE PERCENTAGES AND TRANSITION
PALATINE AVE N

WEST SIDE			EAST SIDE		
% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄	START STATION	END STATION
MATCH EXISTING	0+00	0+19.5	MATCH EXISTING	0+00	0+19.5
4	0+19.5	0+65	4	0+19.5	0+90
TRANSITION	0+65	1+15	TRANSITION	0+90	1+15
2	1+15	1+50	3	1+15	1+50
TRANSITION	1+50	2+00	TRANSITION	1+50	1+75
4	2+00	6+41.9	4	1+75	2+75
			TRANSITION	2+75	3+00
			3	3+00	3+30
			TRANSITION	3+30	3+55
			4	3+55	4+00
			TRANSITION	4+00	4+25
			3	4+25	5+75
			TRANSITION	5+75	6+00
			4	6+00	6+41.9

PAVING LEGEND
UNLESS OTHERWISE NOTED:

- ASPH 1 – 3" CL A OVER 6" RECYCLED ASPH (MNRL AGGR TYPE 2 SHALL BE ADDED TO MEET MIN 6" DEPTH.)
- ASPH 2 – 2" CL A OVERLAY
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- ASPH 4 – 2" CL A OVER 6" CL E OVER 6" MNRL AGGR TYPE 2
- CW – TYPE 420A OR MODIFIED CONC WALK W/MONOLITHIC CURB SEE SPECS. (2/57)
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED CURB & GUTTER TYPE 410B
- 4" MINERAL AGGREGATE TYPE 2

PALATINE AVE N
PAVING PLAN

NO.	DATE	MADE/CHK'D	REVD

VAULT SERIAL NO. 3423 | DATE | MARK | NATURE OF REVISIONS

P:\STREET\TWD9041\C300329_PALATINE_PAV_P30.DWG

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED 6/10/03
CHECKED
DRAWN DJM
CHECKED TMR

INITIALS AND DATE
REVIEWED:
DES. SDOT
CONST PROJ. MGR
RECEIVED
REVISED AS BUILT

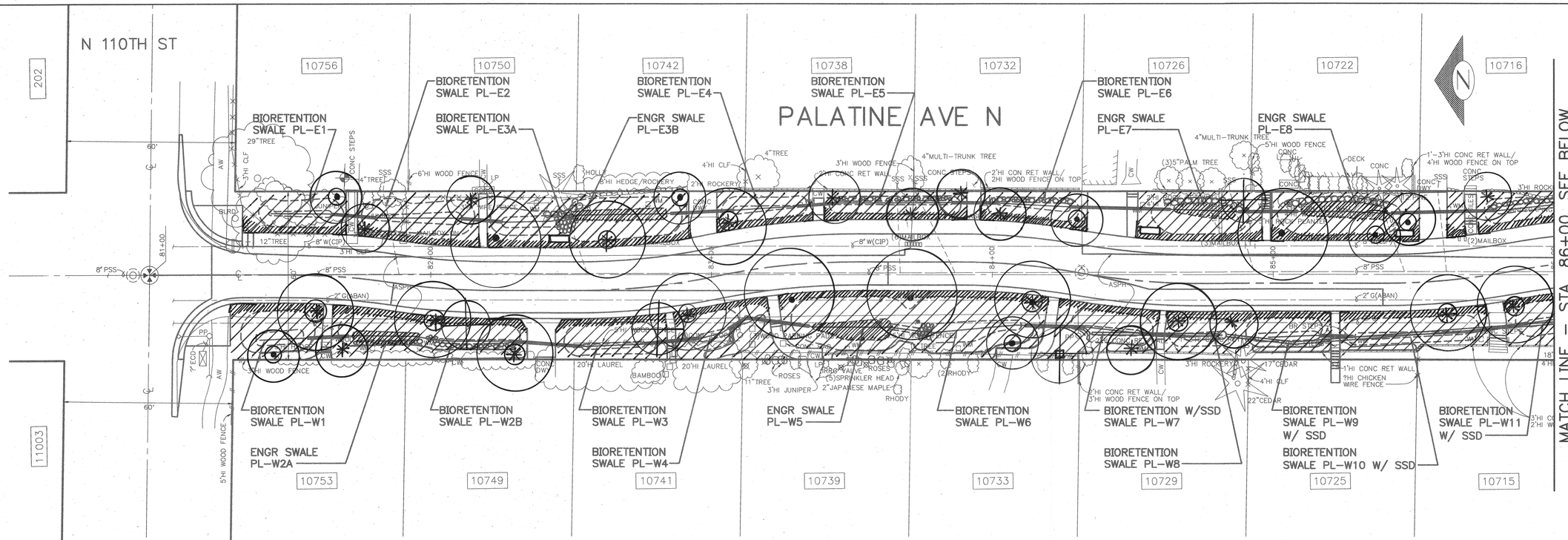
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTIN 0-02.3 OF THE PROJECT MANUAL.

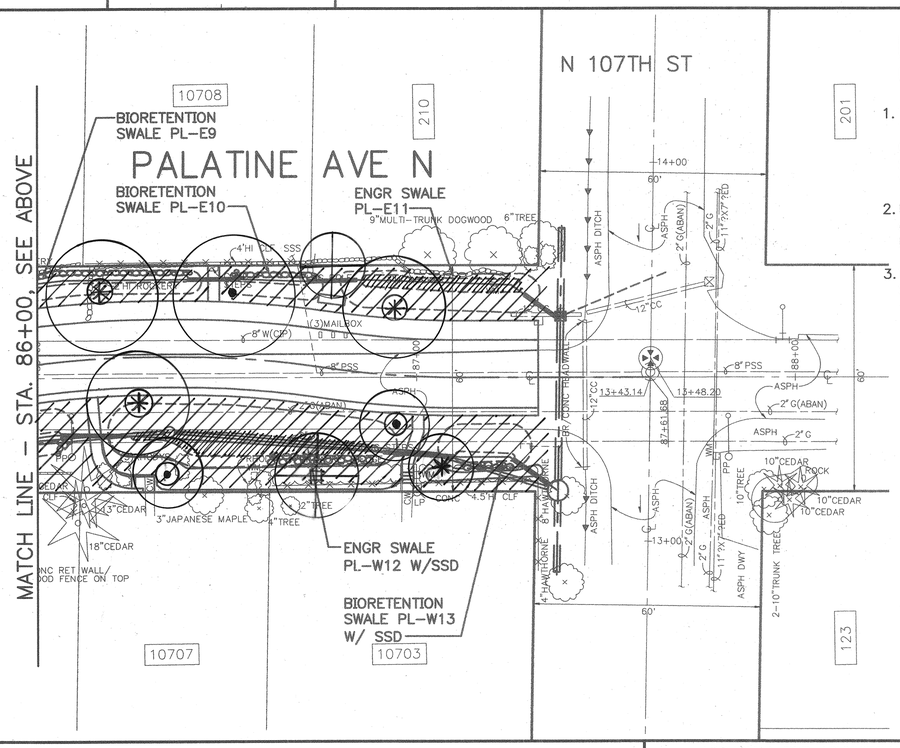
STATE OF WASHINGTON · RICHARD C. JOHNSON · 24816 · REGISTERED PROFESSIONAL ENGINEER · 6-10-03
EXPIRES 03/16/2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE: H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 30 OF 59





LANDSCAPING NOTES
UNLESS OTHERWISE NOTED:

1. TREE LOCATIONS ARE SUBJECT TO FIELD VERIFICATION BY THE LANDSCAPE ARCHITECT TO ENSURE UTILITY CLEARANCE, SIGHT DISTANCE, COMPATIBILITY WITH VIEWS, ETC. CONTRACTOR SHALL FIELD STAKE TREE LOCATIONS PER PLAN (W/ 2"x2"x2' WOOD STAKES) AND SHALL NOTIFY ENGINEER TO ALLOW 5 WORKING DAY'S TO COORDINATE VERIFICATION.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION.
3. INSTALLATION OF GRASS ALONG STREET EDGE WILL BE FIELD DIRECTED. THE CONTRACTOR SHALL ALLOW 5 WORKING DAY'S NOTICE TO COORDINATE FIELD MARKING BY THE ENGINEER.

LANDSCAPING LEGEND

PLANTING AREA PREPARATION - SEE SPECS

ENGINEERED SOIL INSTALLATION (OR SOD) (SEE NOTE #3)

TREE SYMBOL LEGEND
TREE PROCUREMENT & PLANTING BY OTHERS

FRAXINUS OXYCARPA 'RAYWOOD' RAYWOOD ASH (OR)

CERCIDIPHYLLUM JAPONICUM KATSURA TREE

ACER TRUNCATUM 'KIETHSFORM' NORWEGIAN SUNSET MAPLE (OR)

ACER TRUNCATUM 'WARRENRED' PACIFIC SUNSET MAPLE

CORNUS NUTALLI 'EDDIE'S WHITE WONDER' HYBRID DOGWOOD (OR)

MAGNOLIA 'GALAXY' GALAXY MAGNOLIA

AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE SERVICEBERRY (OR)

MAGNOLIA X LOEBNERI 'BALLERINA' BALLERINA MAGNOLIA

SORBUS AUCUPARIA EUROPEAN MOUNTAIN ASH (OR)

SORBUS ALNIFOLIA KOREAN MOUNTAIN ASH

PINUS THUNBERGIANA JAPANESE BLACK PINE (OR)

PINUS NIGRA AUSTRIAN PINE

CHAMAECYPARIS OBTUSA HINOKI CYPRESS (OR)

CORYLUS MAXIMA 'PURPUREA'

PALATINE AVE N LANDSCAPING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE OF REVISIONS	MADE	CHK'D	REV'D
34213						

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
DESIGNED	
CHECKED DQP	5/22/13
DRAWN	
CHECKED	

INITIALS AND DATE	
REVIEWED:	
DES.	CONST.
SDOT RJS	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

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

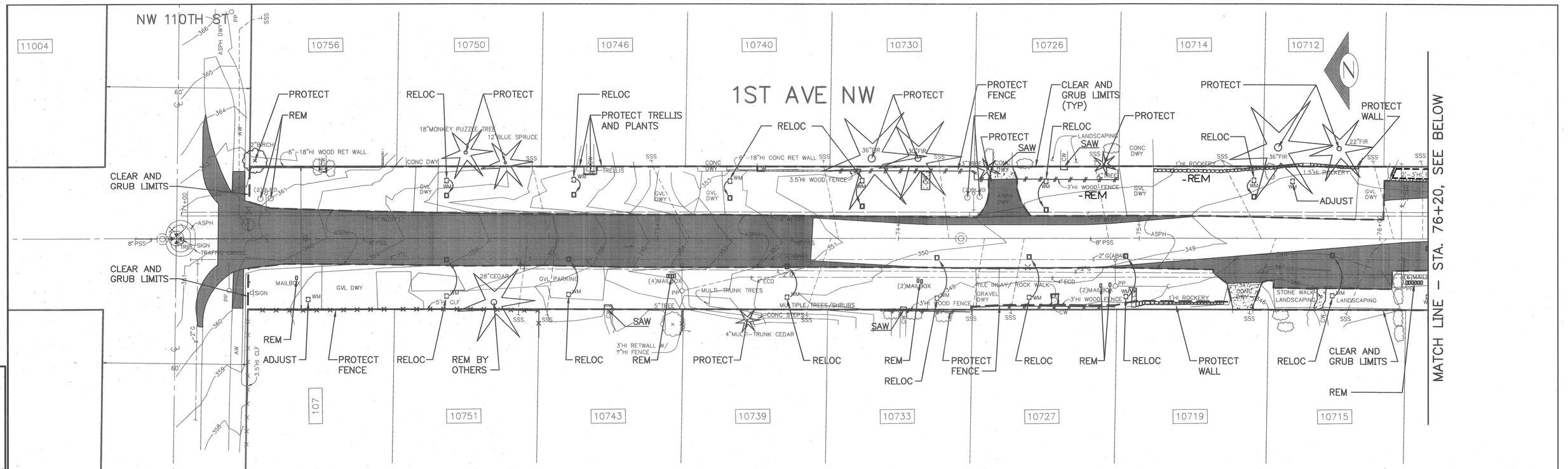
STATE OF WASHINGTON
REGISTERED LANDSCAPE ARCHITECT
SHANE E DeWALD
CERTIFICATE NO. 473

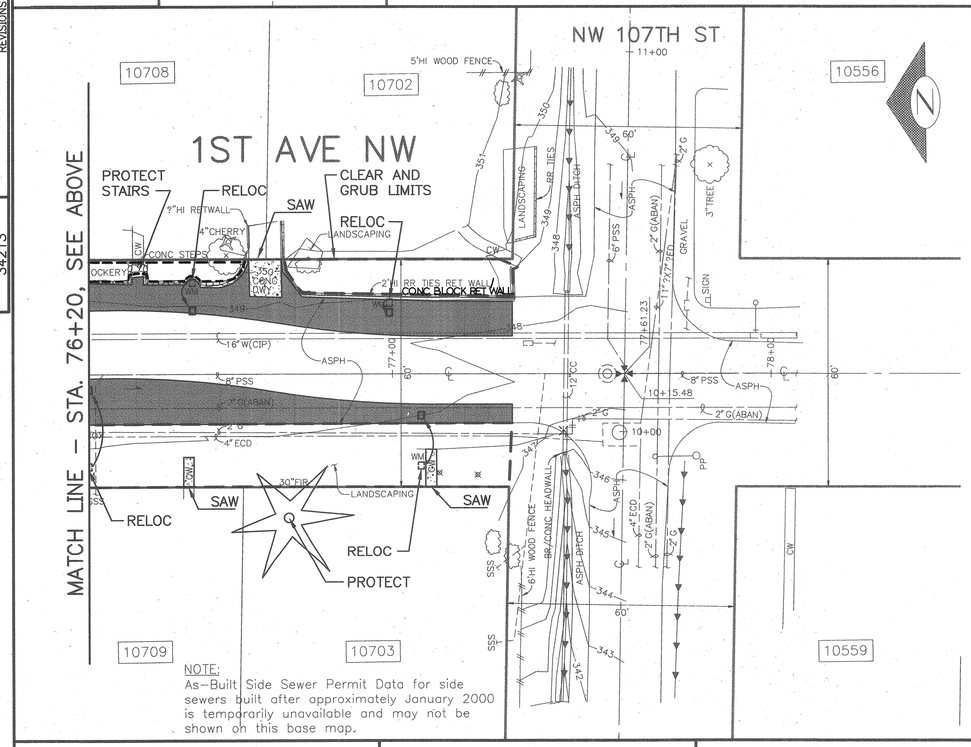
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE:H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 31 OF 59





NOTE:
As-Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

LEGEND

- REMOVE ASPH PAVING
- REMOVE CONC WALK
- REMOVE CONC DWY
- CLEAR AND GRUB LIMITS

NOTES
UNLESS OTHERWISE NOTED:

1. WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SHALL BE BY SPU WATER. FOR WATER METER CONTACT DAN ENRICO, (206) 233–7184, 10 DAYS PRIOR TO ESTABLISHMENT OF THE ROUGH GRADE WITHIN THE TWO–FOOT ROAD SHOULDER (SEE SPECS). FOR HYDRANT CONTACT PAT LEE (206) 618–1318, 15 DAYS PRIOR TO CONSTRUCTION.
2. 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.
3. 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.
4. MAIL BOXES SHALL BE RELOCATED TO CLUSTER MAILBOX, SEE DETAIL 1/58

1ST AVE NW
REMOVAL AND PROTECTION PLAN

NO.	NATURE REVISIONS	DATE	MADE	CHK'D	REV'D

VAULT SERIAL NO. 34213

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	SRC	REVIEWED:	
CHECKED		DES.	
		SDOT	
DRAWN	JLR	CONST.	
CHECKED	LMJT	PROJ. MGR.	
		RECEIVED	
		REVISED AS BUILT	

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

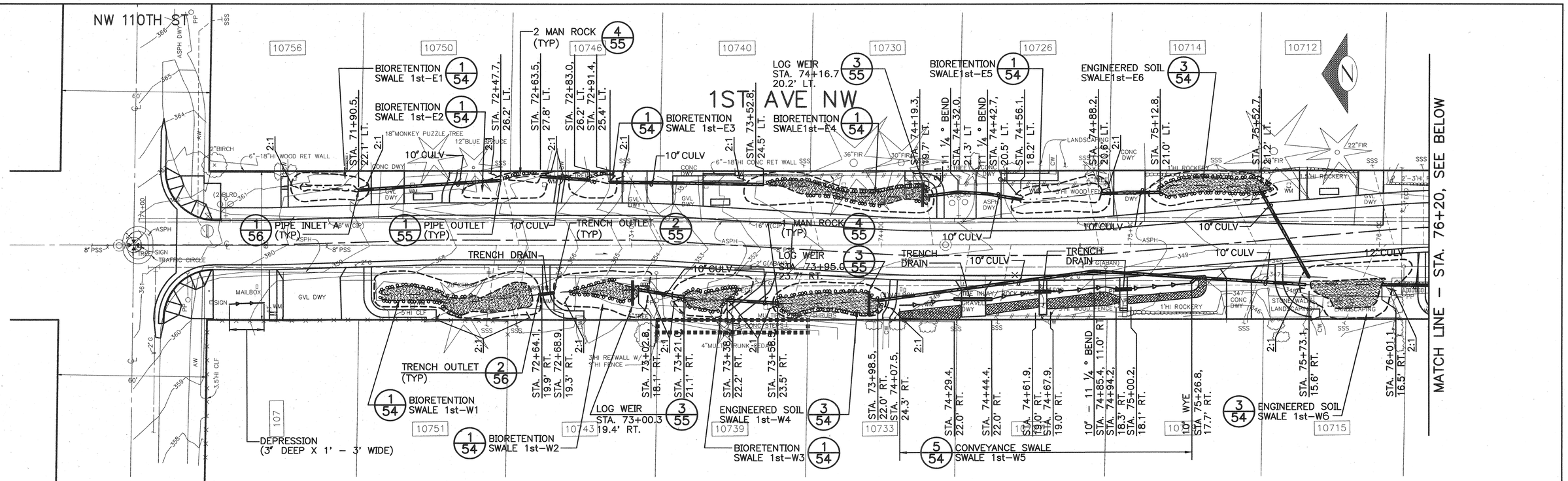
GLENN A. NAKATSU — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 09-17-2004

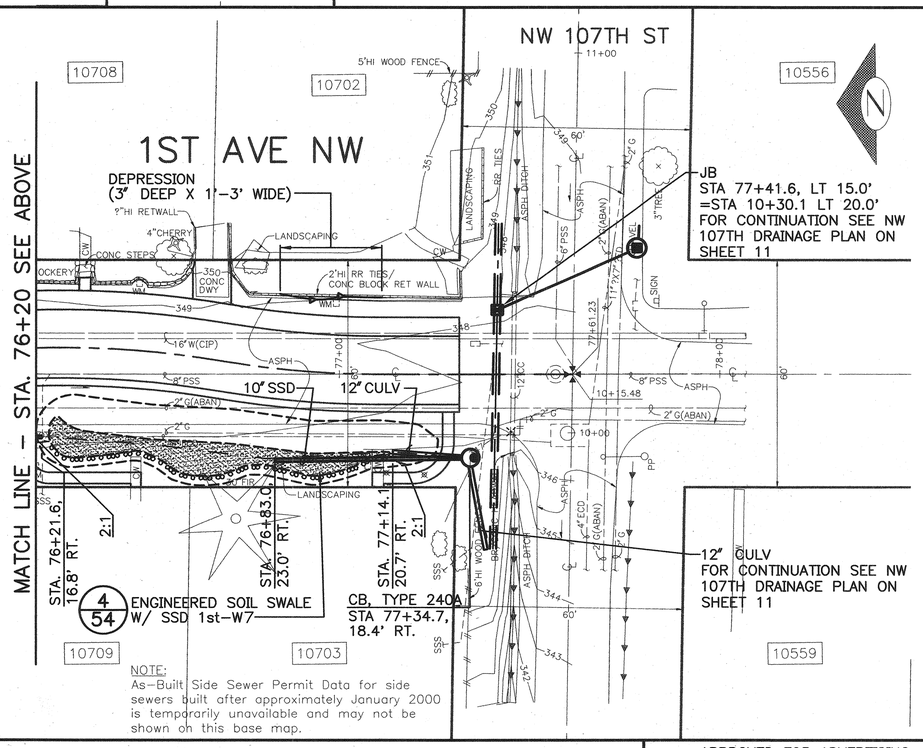
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE:H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 32 OF 59





NOTE:
As–Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

LEGEND

- 0% SLOPE SWALE BOTTOM
- BERM SUPPORT AREA, SEE (6/56)
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE

1ST AVE NW DRAINAGE PLAN

NATURE OF REVISIONS	DATE	MARK

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
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CHECKED	TT
DRAWN	JLA
CHECKED	TMR

INITIALS AND DATE	
REVIEWED: DES.	CONST.
SDOT	PROJ. MGR.
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.

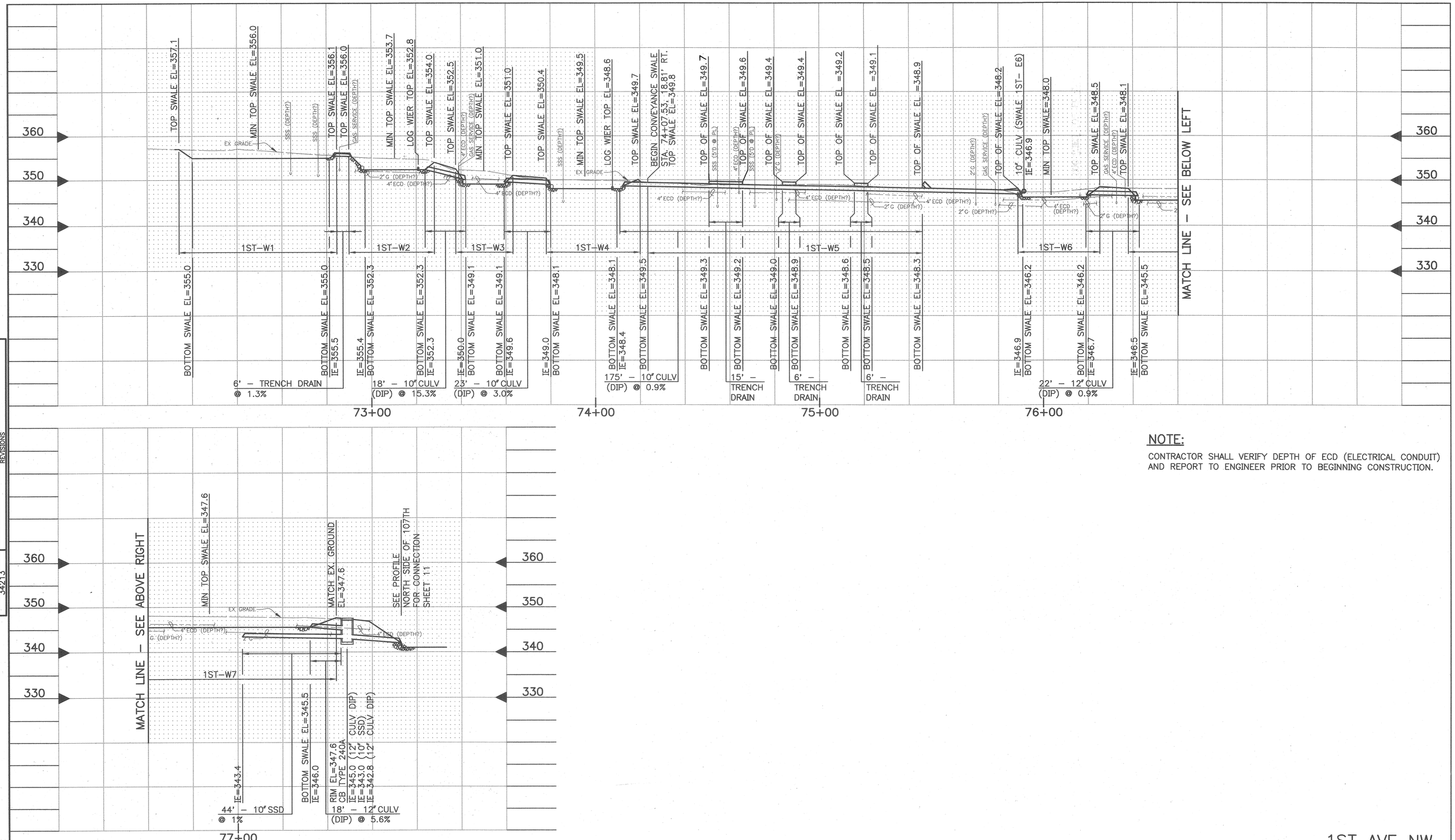
CHUCK K. HASEGAWA — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 09–17–2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE:H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 33 OF 59



NOTE:

CONTRACTOR SHALL VERIFY DEPTH OF ECD (ELECTRICAL CONDUIT) AND REPORT TO ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

1ST AVE NW
DRAINAGE PROFILE, WEST SIDE

NO.	DATE	MARK	NATURE REVISIONS

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE
DESIGNED SEC	5/22/03	REVIEWED:
CHECKED JD		DES. CONST.
DRAWN JLA		SDOT PROJ. MGR.
CHECKED LMJT		RECEIVED
		REVISED AS BUILT

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

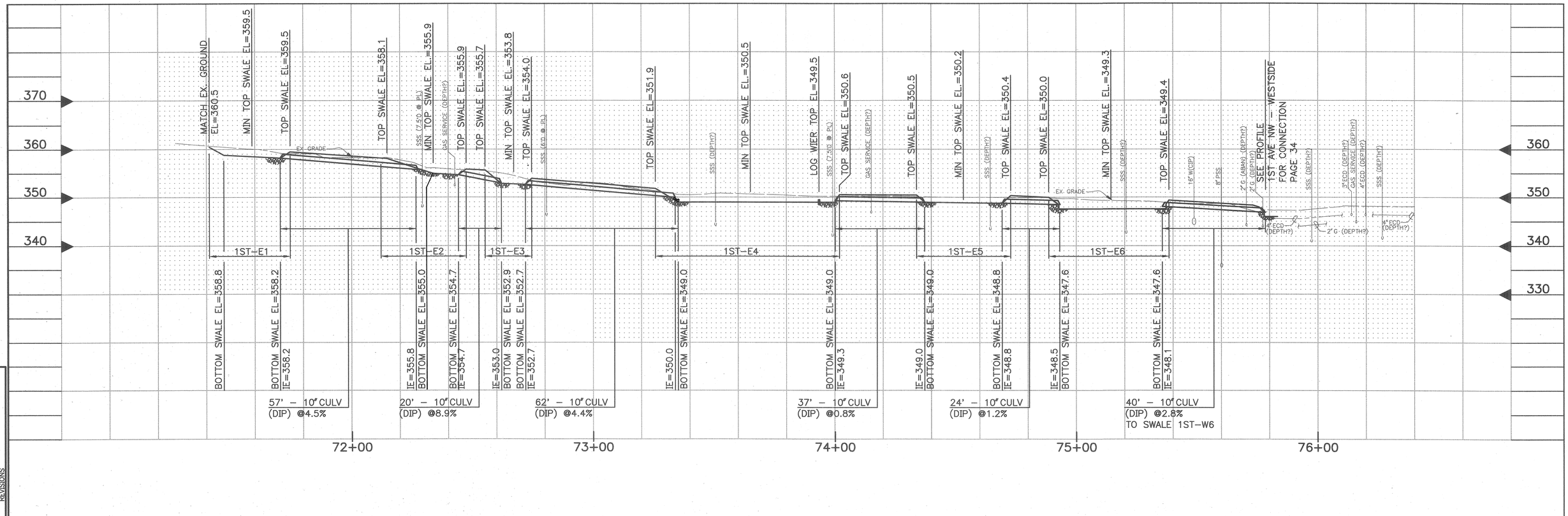
GLENN K. HASEGAWA
STATE OF WASHINGTON
20155
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO. APPROVED
FUND:
SCALE:H:1"=20' V:1"=10' INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 34 OF 59



1ST AVE NW
DRAINAGE PROFILE, EAST SIDE

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

APPROVED FOR ADVERTISING
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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

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DIRECTOR, CONTRACTING SERVICES

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DESIGNED SRC
CHECKED JO 5/22/03
DRAWN JLA
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

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

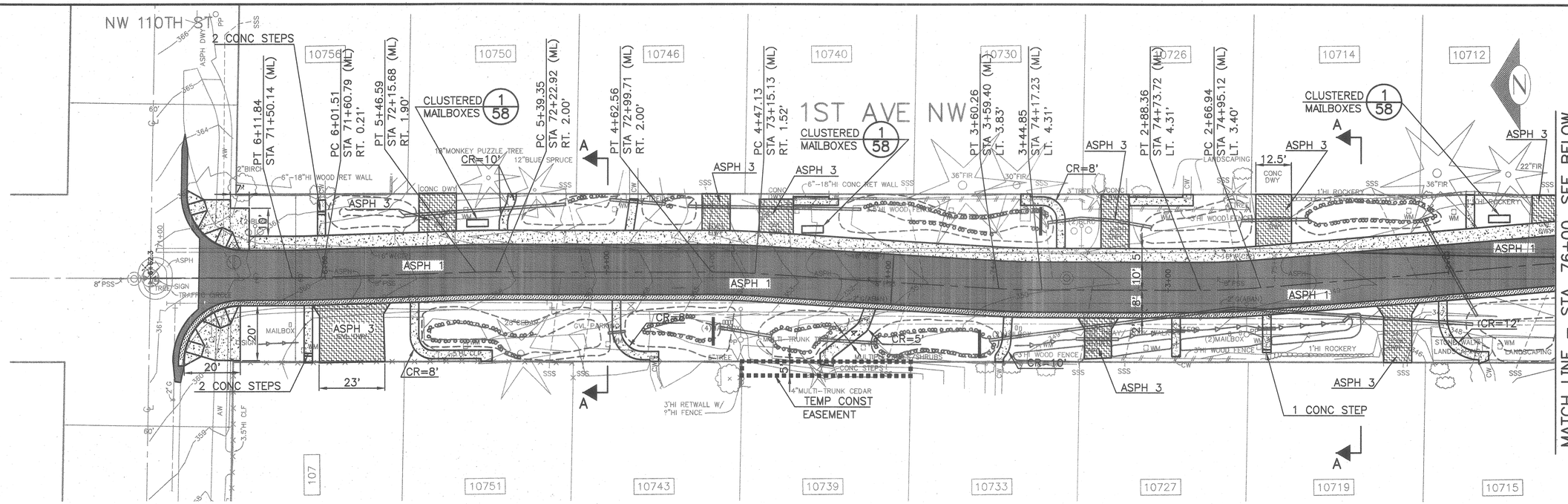
GLENN K. HASEGAWA
STATE OF WASHINGTON
20158
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

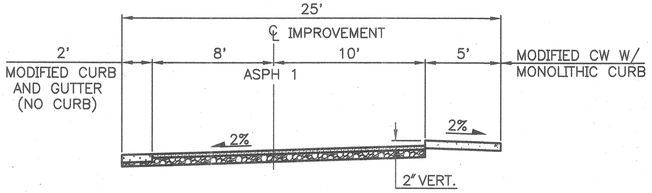
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
APPROVED
FUND:
SCALE:H:1"=20' V:1"=10'
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 35 OF 59





SECTION A–A
1ST AVE NW
SCALE: 1" = 5'

NOTE:
As–Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

PAVING LEGEND
UNLESS OTHERWISE NOTED:

- ASPH 1 – 3" CL A OVER 6" RECYCLED ASPH (MNRL AGGR TYPE 2 SHALL BE ADDED TO MEET MIN 6" DEPTH.)
- ASPH 2 – 2" CL A OVERLAY
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- ASPH 4 – 2" CL A OVER 6" CL E OVER 6" MNRL AGGR TYPE 2
- CW – TYPE 420A OR MODIFIED CONC WALK W/MONOLITHIC CURB SEE SPECS. (2/57)
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED CURB & GUTTER TYPE 410B
- 4" MINERAL AGGREGATE TYPE 2

1ST AVE NW
PAVING PLAN

VAULT SERIAL NO. 3423 | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	6/10/03	REVIEWED: DES.	CONST.
CHECKED		SDOT	PROJ. MGR.
DRAWN	DJM	RECEIVED	
CHECKED	TMR	REVISED AS BUILT	

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

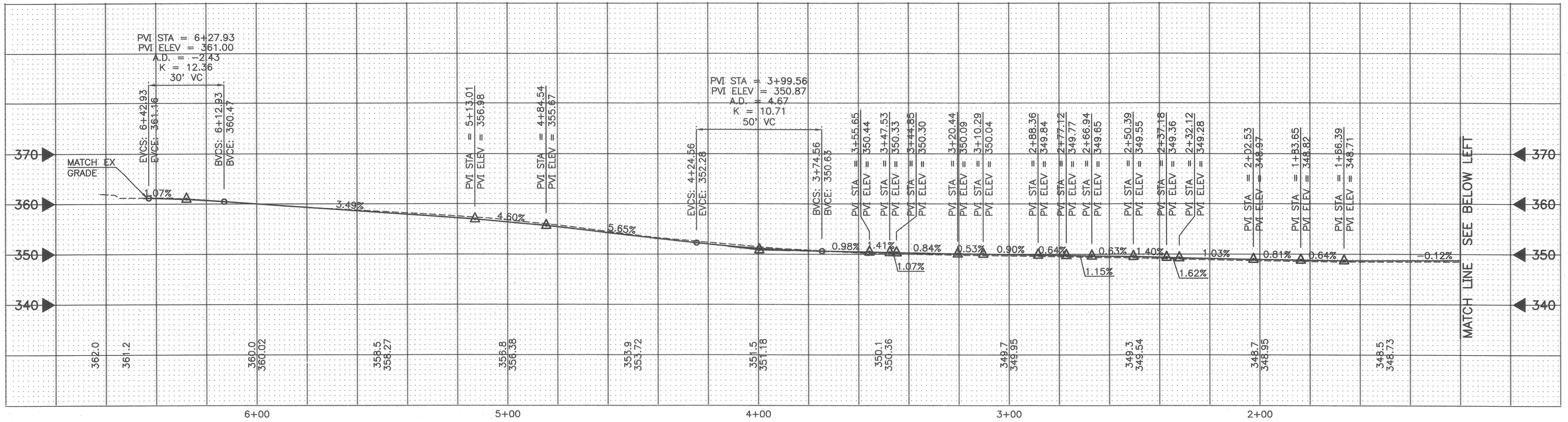
STATE OF WASHINGTON 24616 6-10-03 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 03/19/2004

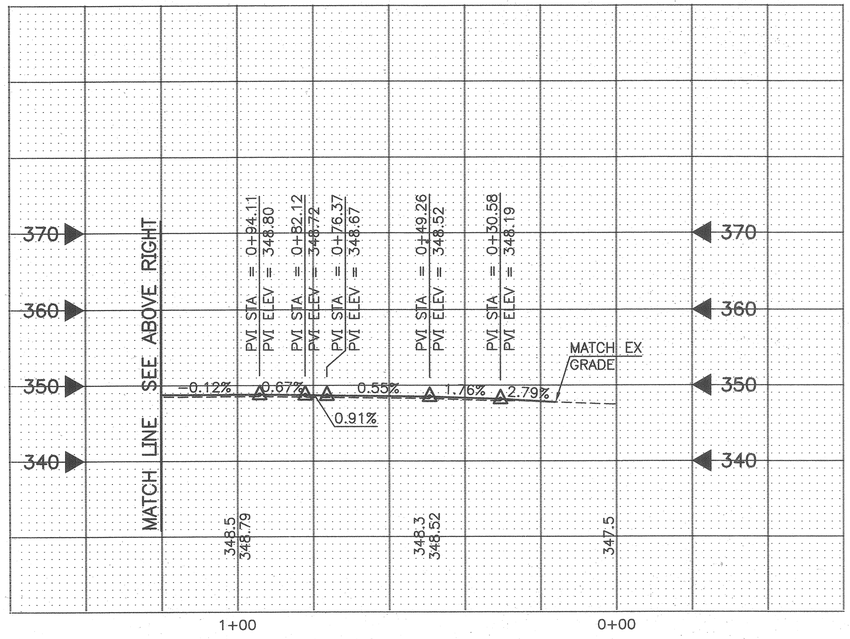
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 36 OF 59





SUPERELEVATIONS/CROSS SLOPE PERCENTAGES AND TRANSITION

1ST AVE N

WEST SIDE			EAST SIDE			SIDEWALK		
% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄	START STATION	END STATION
MATCH EXISTING	0+00	0+19.5	MATCH EXISTING	0+00	0+19.5			
2	0+19.5	1+40	2	0+19.5	6+45.3	MATCH EXISTING		
TRANSITION	1+40	1+90				TO STREET	0+19.5	3+40
4	1+90	3+40				TRANSITION	3+40	3+90
TRANSITION	3+40	3+90				TO R/W LINE	3+90	5+10
2	3+90	5+30				TRANSITION	5+10	5+60
TRANSITION	5+30	5+80				TO STREET	5+60	6+45.3
4	5+80	6+10						
TRANSITION	6+10	6+45.3						

1ST AVE NW
PAVING PROFILE

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS
34213			

MADE	CHK'D	REV'D

P:\STREET\TWD9041\1ST-PROFILE.DWG

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	5/22/03	REVIEWED: DES.	CONST.
CHECKED		SDOT	PROJ. MGR.
DRAWN	KMJT	RECEIVED	
CHECKED		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.

MICHAEL C. JORGENSEN — STATE OF WASHINGTON — 19616 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 03/19/2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

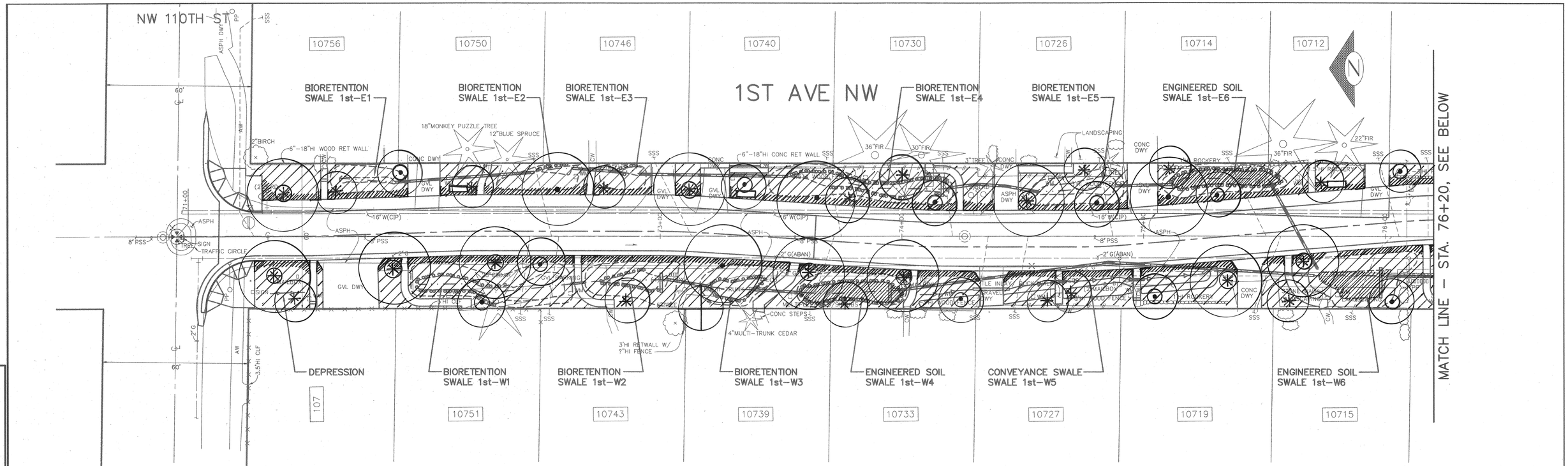
ORDINANCE NO.
FUND:
APPROVED
SCALE: H:1"=20' V:1"=10'
INSPECTOR'S BOOK

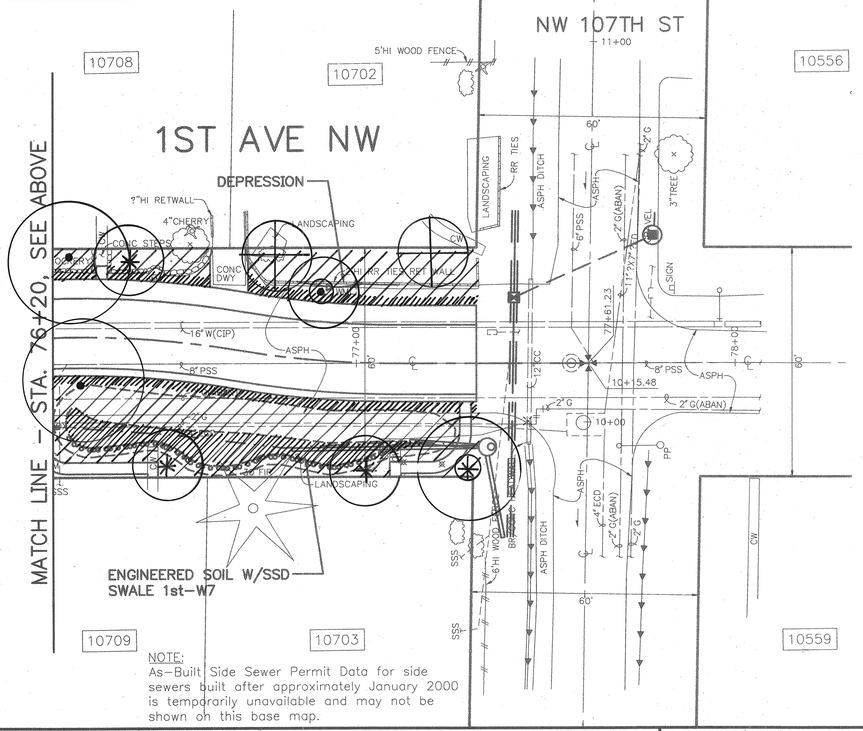
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO.		
	PC	C300329
	R/W	
	CO	C300329

VAULT PLAN NO. 777-580

SHEET 37 OF 59





NOTE:
As–Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

LANDSCAPING NOTES
UNLESS OTHERWISE NOTED:

1. TREE LOCATIONS ARE SUBJECT TO FIELD VERIFICATION BY THE LANDSCAPE ARCHITECT TO ENSURE UTILITY CLEARANCE, SIGHT DISTANCE, COMPATIBILITY WITH VIEWS, ETC. CONTRACTOR SHALL FIELD STAKE TREE LOCATIONS PER PLAN (W/ 2"x2"x2' WOOD STAKES) AND SHALL NOTIFY ENGINEER TO ALLOW 5 WORKING DAY'S TO COORDINATE VERIFICATION.
2. PROJECT INCLUDES 1, 2, AND 3–MAN ROCK PLACEMENT TO BE FIELD–DIRECTED AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION.
3. INSTALLATION OF GRASS ALONG STREET EDGE WILL BE FIELD DIRECTED. THE CONTRACTOR SHALL ALLOW 5 WORKING DAY'S NOTICE TO COORDINATE FIELD MARKING BY THE ENGINEER.

LANDSCAPING LEGEND

PLANTING AREA PREPARATION - SEE SPECS

ENGINEERED SOIL INSTALLATION (OR SOD) SEE NOTE #3

TREE SYMBOL LEGEND
TREE PROCUREMENT & PLANTING BY OTHERS

FRAXINUS OXYCARPA 'RAYWOOD' RAYWOOD ASH (OR)
CERCIDIPHYLLUM JAPONICUM KATSURA TREE

ACER TRUNCATUM 'KIETHSFORM' NORWEGIAN SUNSET MAPLE (OR)
ACER TRUNCATUM 'WARRENRED' PACIFIC SUNSET MAPLE

CORNUS NUTALLI 'EDDIE'S WHITE WONDER' HYBRID DOGWOOD (OR)
MAGNOLIA 'GALAXY' GALAXY MAGNOLIA

AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE SERVICEBERRY (OR)
MAGNOLIA X LOEBNERI 'BALLERINA' BALLERINA MAGNOLIA

SORBUS AUCUPARIA EUROPEAN MOUNTAIN ASH (OR)
SORBUS ALNIFOLIA KOREAN MOUNTAIN ASH

PINUS THUNBERGIANA JAPANESE BLACK PINE (OR)
PINUS NIGRA AUSTRIAN PINE

CHAMAECYPARIS OBTUSA HINOKI CYPRESS (OR)
CORYLUS MAXIMA 'PURPUREA'

1ST AVE NW LANDSCAPING PLAN

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED 5/20/03	DES. CONST.
DRAWN	SDOT PROJ. MGR.
CHECKED	RECEIVED
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTIN 0–02.3 OF THE PROJECT MANUAL.	REVISED AS BUILT

STATE OF WASHINGTON
REGISTERED LANDSCAPE ARCHITECT
SHANE E DeWALD
CERTIFICATE NO. 473

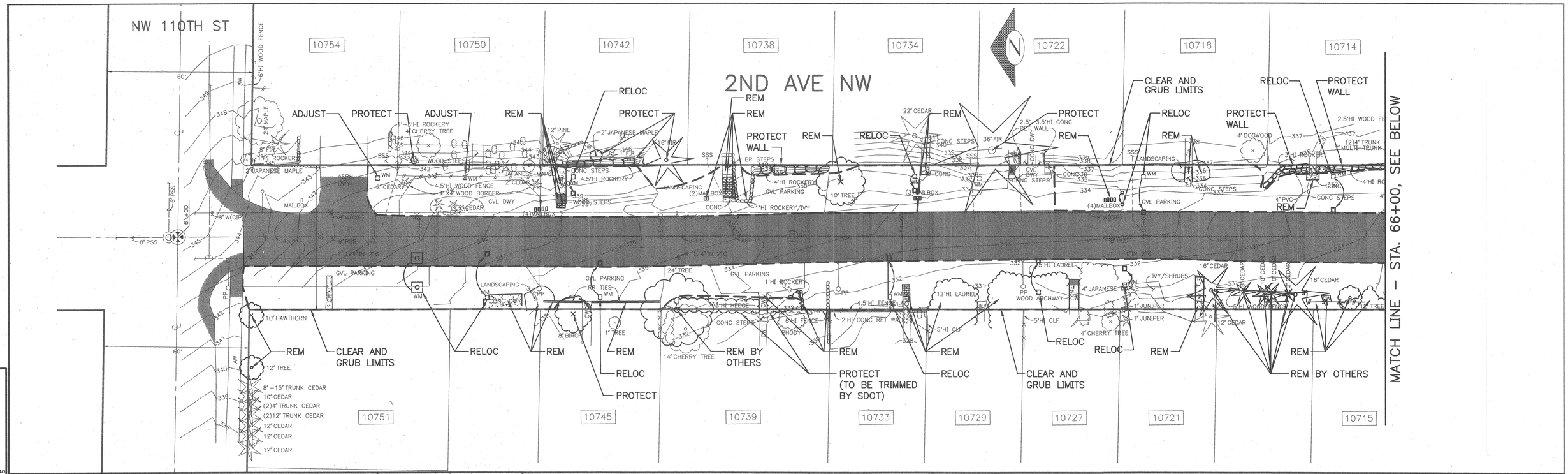
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

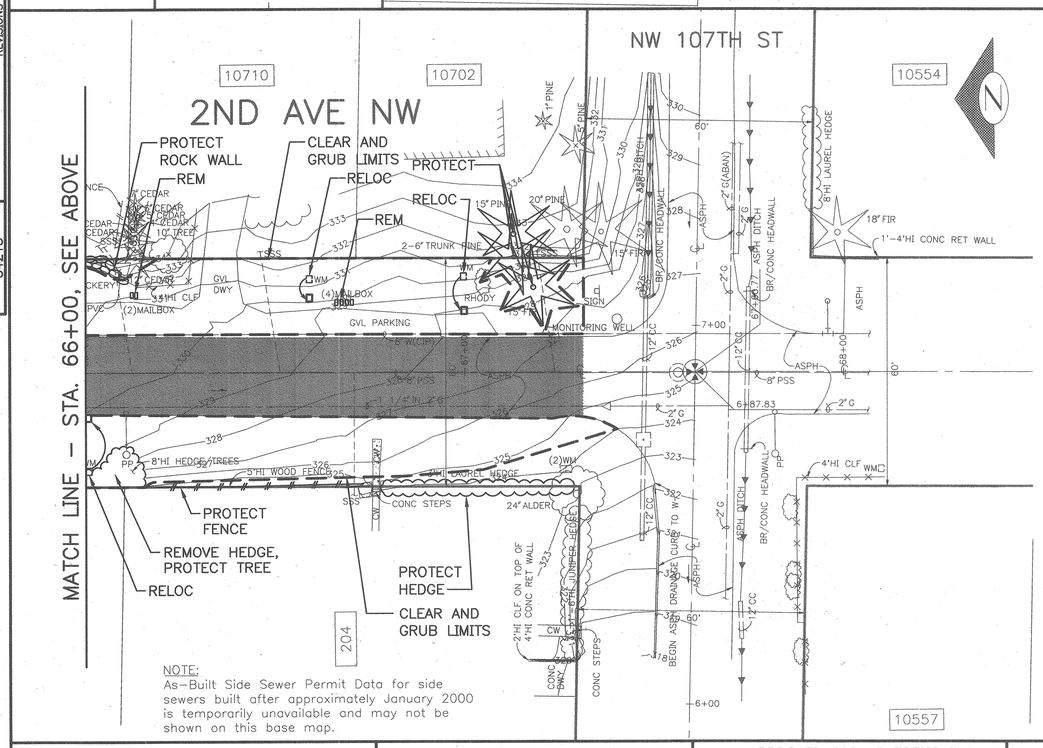
ORDINANCE NO. APPROVED
FUND:
SCALE:H:1"=20' INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 38 OF 59

VAULT SERIAL NO.	MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						





NOTE:
As-Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

LEGEND

- REMOVE ASPH PAVING
- REMOVE CONC WALK
- REMOVE CONC DWY
- SAWCUT/REMOVE
- CLEAR AND GRUB LIMITS

NOTES

UNLESS OTHERWISE NOTED:

1. WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SHALL BE BY SPU WATER. FOR WATER METER CONTACT DAN ENRICO, (206) 233-7184, 10 DAYS PRIOR TO ESTABLISHMENT OF THE ROUGH GRADE WITHIN THE TWO-FOOT ROAD SHOULDER (SEE SPECS). FOR HYDRANT CONTACT PAT LEE (206) 618-1318, 15 DAYS PRIOR TO CONSTRUCTION.
2. 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.
3. 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.
4. MAIL BOXES SHALL BE RELOCATED TO CLUSTER MAILBOX, SEE DETAIL 1/58

2ND AVE NW
REMOVAL AND PROTECTION PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED mhL 5/22/03
CHECKED TT
DRAWN TLY
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

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

GLENN K. HASEGAWA
STATE OF WASHINGTON
20158
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE:H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 39 OF 59

NW 110TH ST

2ND AVE NW

NW 107TH ST

STA 63+34.0 LT 17.6'

STA 63+20.6 LT 18.8'

JB TYPE 277B MOD STA 64+02.9 LT24.6'

STA 65+24.6 LT 15.2'

STA 65+10.4 LT 19.7'

JB TYPE 277B MOD STA 65+59.3 LT 21.0'

STA 65+76.8, LT 18.7'

(8/56) JB TYPE 277B MOD (TYP) STA 61+55.0, RT 23.9'

(1/54) BIORETENTION SWALE 2nd–E1

(1/54) BIORETENTION SWALE 2nd–E2

(1/54) BIORETENTION SWALE 2nd–E3

(1/54) BIORETENTION SWALE 2nd–E4

(1/54) BIORETENTION SWALE 2nd–E5

(1/54) BIORETENTION SWALE 2nd–W1

(1/54) BIORETENTION SWALE 2nd–W2

(1/54) BIORETENTION SWALE 2nd–W3

(1/54) BIORETENTION SWALE 2nd–W4

(1/54) BIORETENTION SWALE 2nd–W5

(1/54) BIORETENTION SWALE 2nd–W6

(1/54) BIORETENTION SWALE 2nd–W7

(1/54) BIORETENTION SWALE 2nd–W8

(1/54) BIORETENTION SWALE 2nd–W9

(1/55) PIPE OUTLET (TYP)

(1/56) PIPE INLET A (TYP)

(1/54) 1' HIGH RF (TYP)

NO SLOPE

2.0' HIGH RF

2.5' HIGH RF

3.5' HIGH RF

10" CULV

2:1

STA 61+72.9 RT 21.9'

JB TYPE 277B MOD STA 61+96.1 RT 24.0'

STA 62+19.8 RT 22.9'

STA 62+48.5 RT 17.6'

STA 62+65.9 RT 18.1'

JB TYPE 277B MOD STA 63+31.3 RT 22.3'

STA 63+85.2 RT 19.1'

STA 64+03.5 RT 14.9'

JB TYPE 277B MOD STA 64+28.3 RT 16.6'

STA 64+51.9 RT 18.2'

STA 64+66.3 RT 22.7'

STA 64+78.7 RT 23.8'

JB TYPE 277B MOD STA 65+16.6 RT 26.5'

JB TYPE 277B MOD STA 65+68.6 RT 25.3'

MATCH LINE – STA. 66+00, SEE BELOW

JB TYPE 277B MOD STA 66+12.8 LT 22.5'

JB TYPE 277B MOD STA 67+05.4 LT 23.0'

STA 66+62.1 LT 24.5'

BIORETENTION SWALE 2nd–E6

STA 67+05.8 LT 16.5'

BIORETENTION SWALE 2nd–W10

BIORETENTION SWALE 2nd–W11

JB TYPE 277B MOD STA 66+03.1, RT 25.3'

STA 66+17.2, RT 22.8'

JB TYPE 277B MOD STA 66+69.0 RT 18.6'

STA 66+81.2 RT 21.9'

JB TYPE 277B MOD STA 67+26.4 RT 17.4'

MH STA 67+35.4, RT 16.6' =STA 6+70.8, LT 24.0' FOR CONTINUATION SEE NW 107TH DRAINAGE PLAN ON SHEET 10

MATCH LINE – STA. 66+00, SEE ABOVE

NOTE:
As–Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

LEGEND

- 0% SLOPE SWALE BOTTOM
- BERM SUPPORT AREA, SEE (6/56)
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE

ABBREVIATION:
RF ROCK FACING

2ND AVE NW DRAINAGE PLAN

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

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED mhL 5/22/03
CHECKED TT
DRAWN TLY
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
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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.

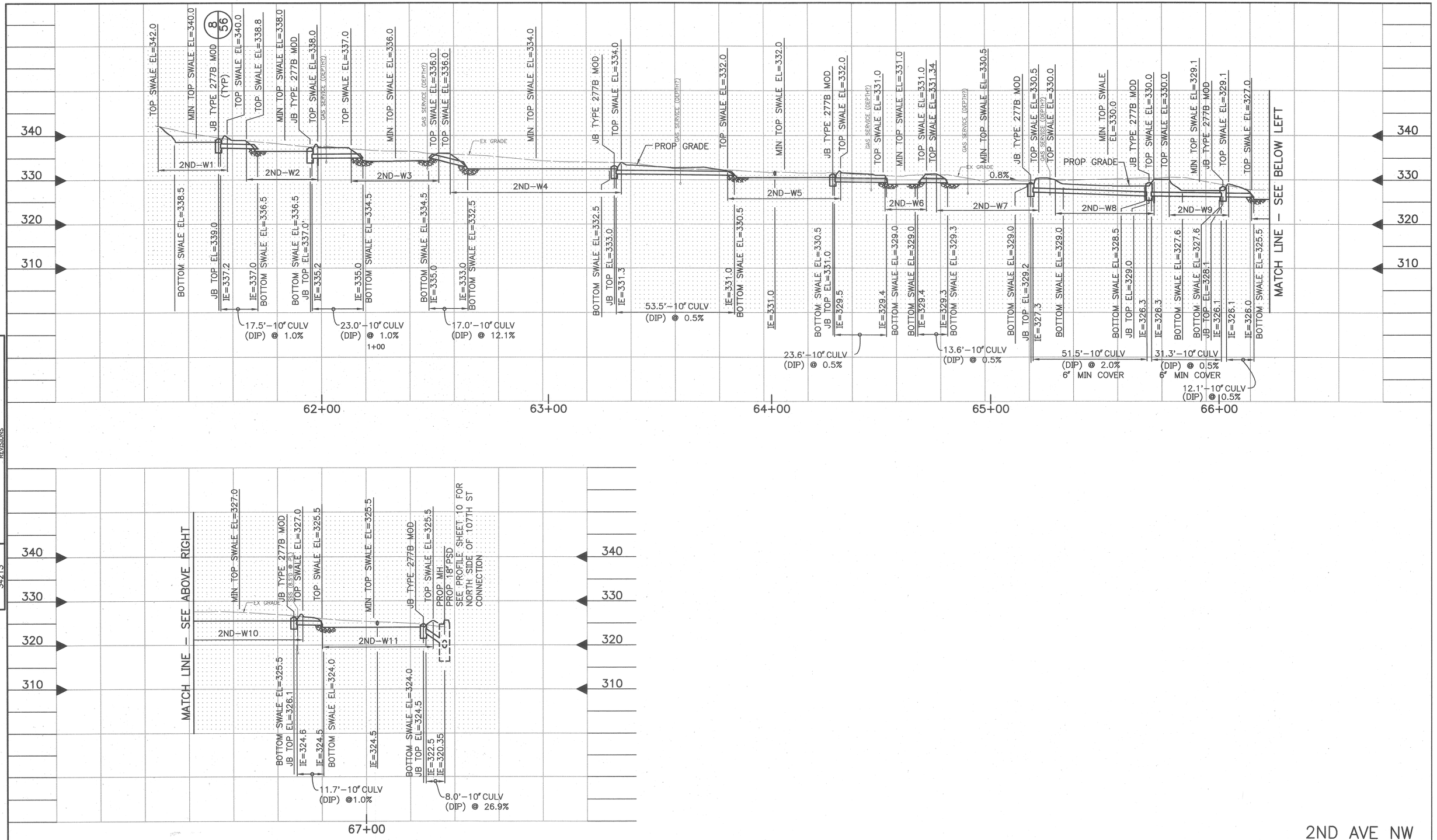
GLENN A. EASTMAN — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06–17–2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE:H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 40 OF 59



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

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
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CHECKED	TT 5/22/03
DRAWN	TLY
CHECKED	LMJT

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REVISED AS BUILT	

GLENN L. HASEGAWA STATE OF WASHINGTON 20156 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

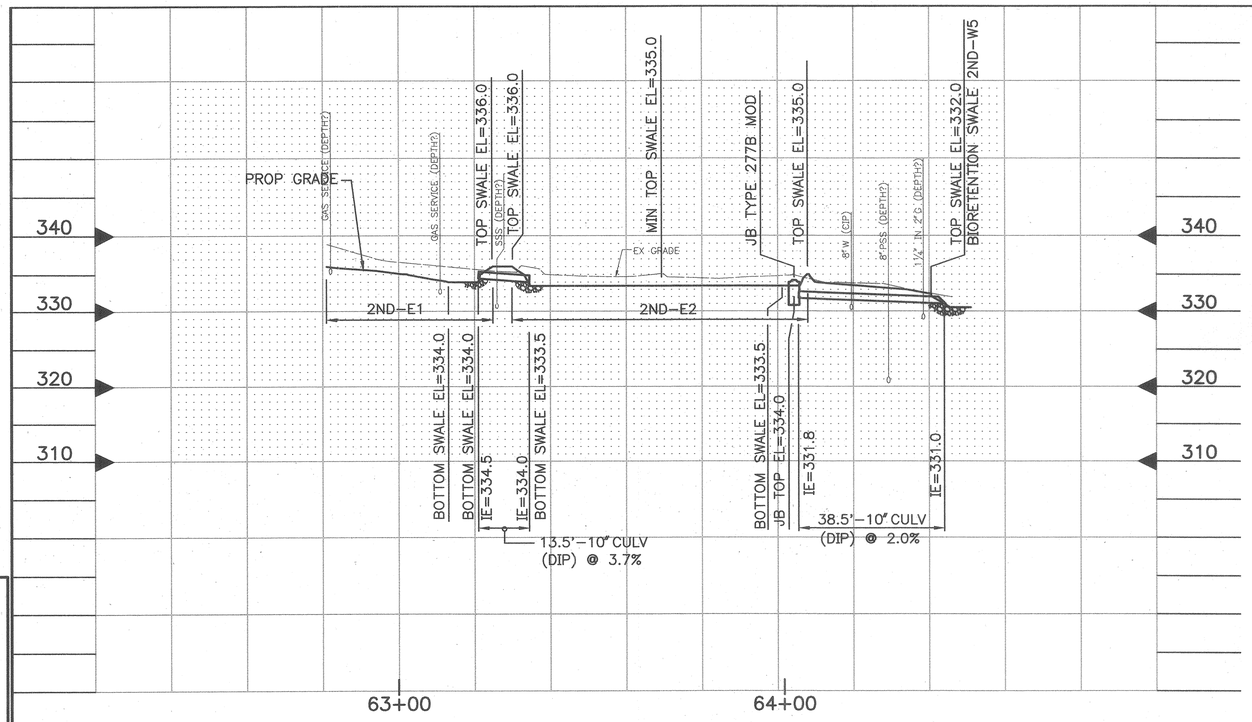
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

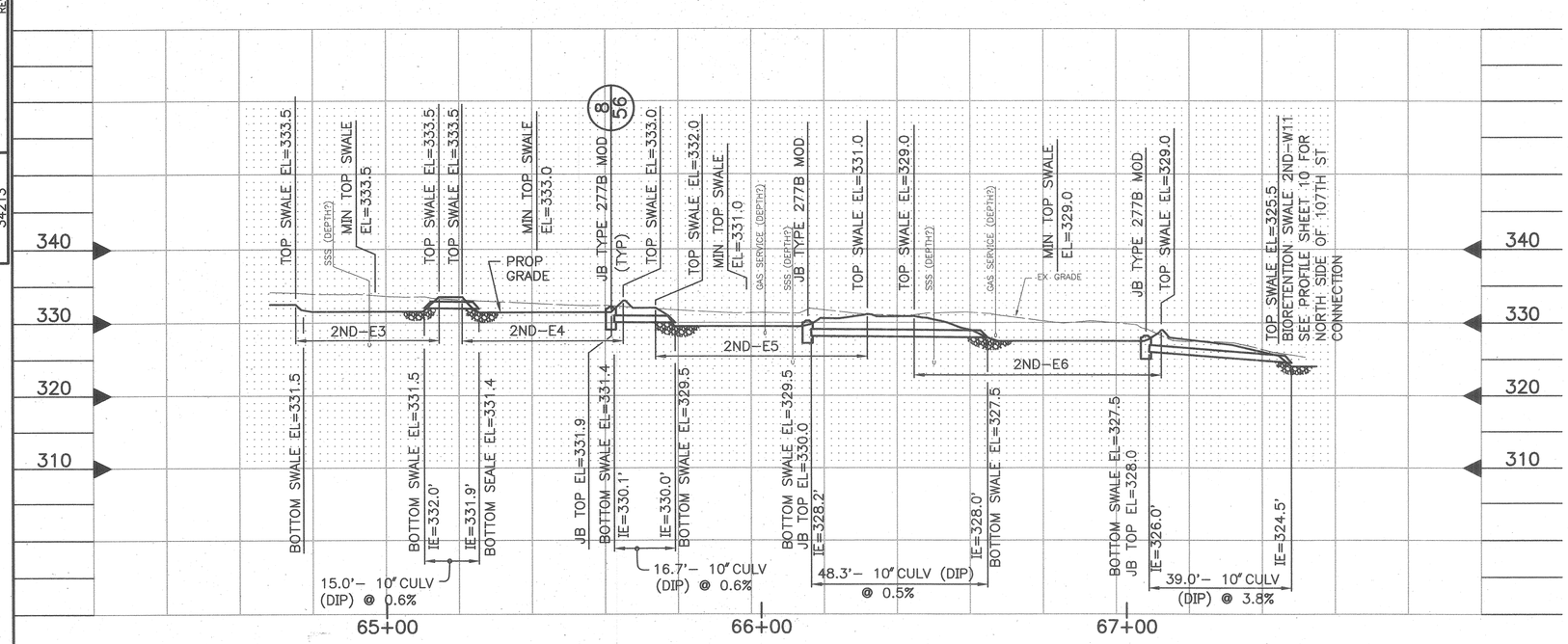
ORDINANCE NO.
FUND:
APPROVED
SCALE:H:1"=20' V:1"=10'
INSPECTOR'S BOOK

2ND AVE NW
DRAINAGE PROFILE, WEST SIDE

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 41 OF 59





NO.	DATE	MARK	NATURE OF REVISIONS	MADE CHK'D	REV'D

VAULT SERIAL NO. 34213

2ND AVE NW
DRAINAGE PROFILE, EAST SIDE

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
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INITIALS AND DATE
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GLENN K. HASEGAWA
STATE OF WASHINGTON
20158
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

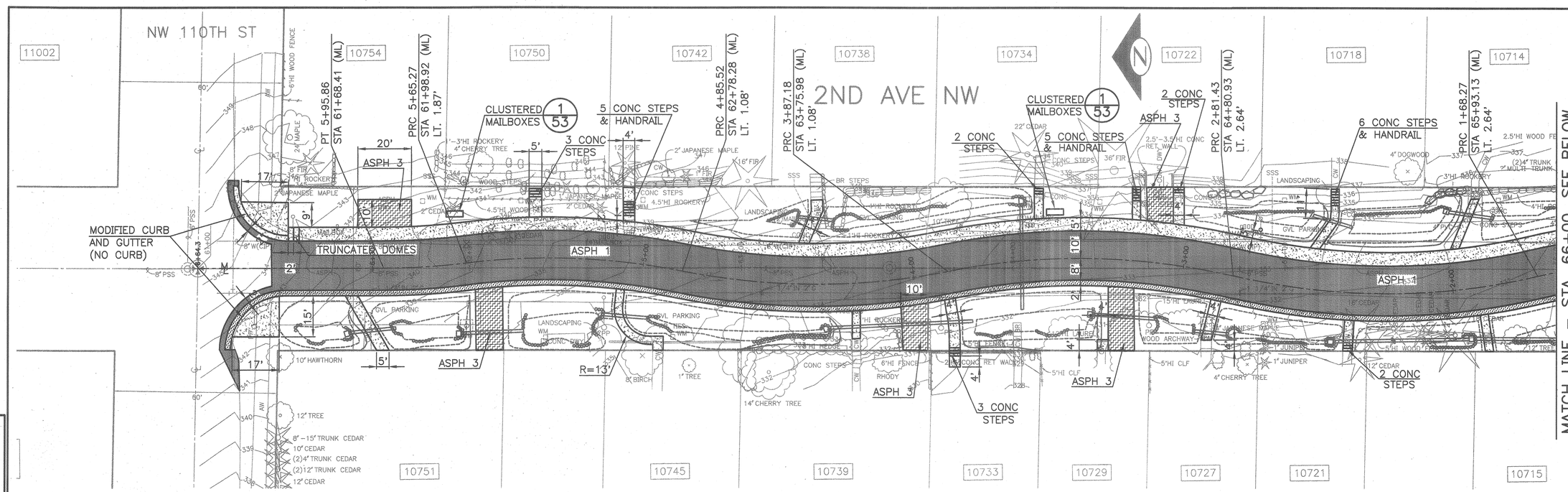
ORDINANCE NO.
APPROVED
FUND:
SCALE:H:1"=20' V:1"=10'
INSPECTOR'S BOOK

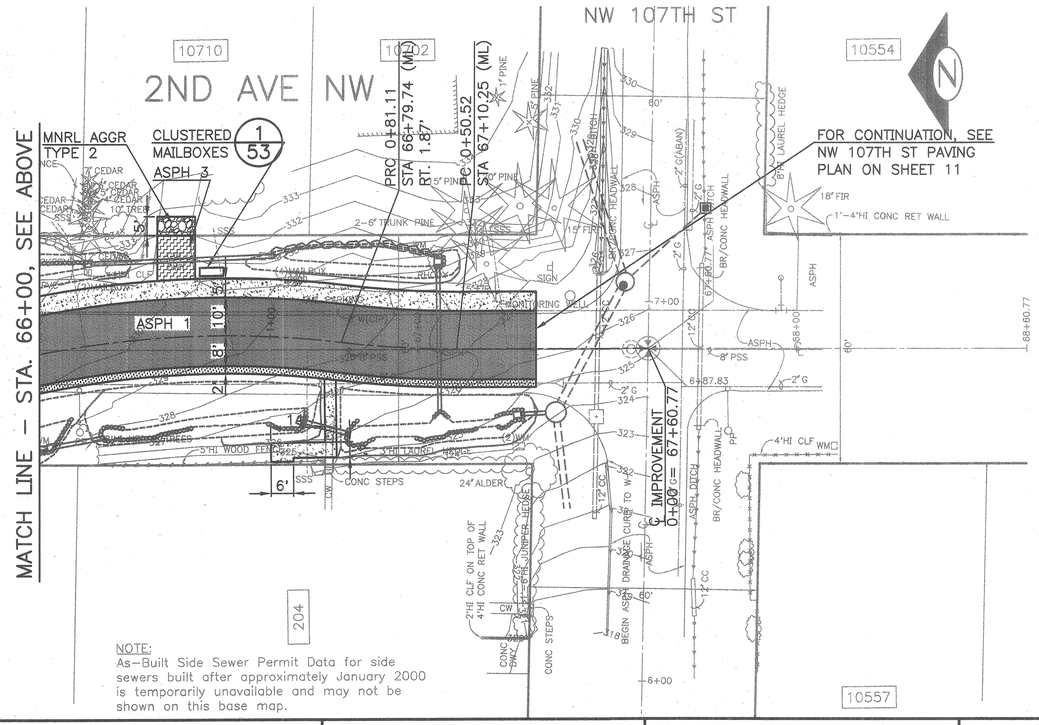
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W
CO C300329

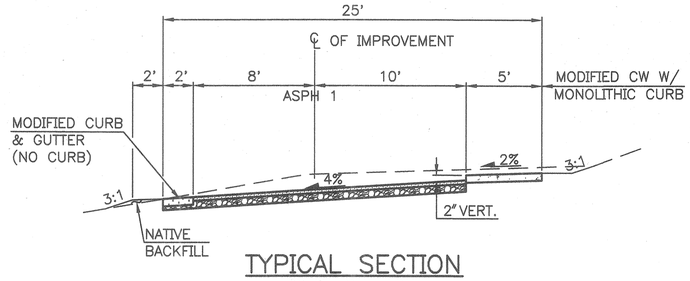
VAULT PLAN NO. 777-580

SHEET 42 OF 59





NOTE:
As-Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.



TYPICAL SECTION
2ND AVE NW
NW 107TH ST TO NW 110TH ST
SCALE: 1" = 5'

PAVING LEGEND
UNLESS OTHERWISE NOTED:

- ASPH 1 – 3" CL A OVER 6" RECYCLED ASPH (MNRL AGGR TYPE 2 SHALL BE ADDED TO MEET MIN 6" DEPTH.)
- ASPH 2 – 2" CL A OVERLAY
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- ASPH 4 – 2" CL A OVER 6" CL E OVER 6" MNRL AGGR TYPE 2
- CW – TYPE 420A OR MODIFIED CONC WALK W/MONOLITHIC CURB SEE SPECS. 2/57
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED CURB & GUTTER TYPE 410B
- 4" MINERAL AGGREGATE TYPE 2

2ND AVE NW
PAVING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED 6/10/03
CHECKED
DRAWN DJM
CHECKED TMR

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

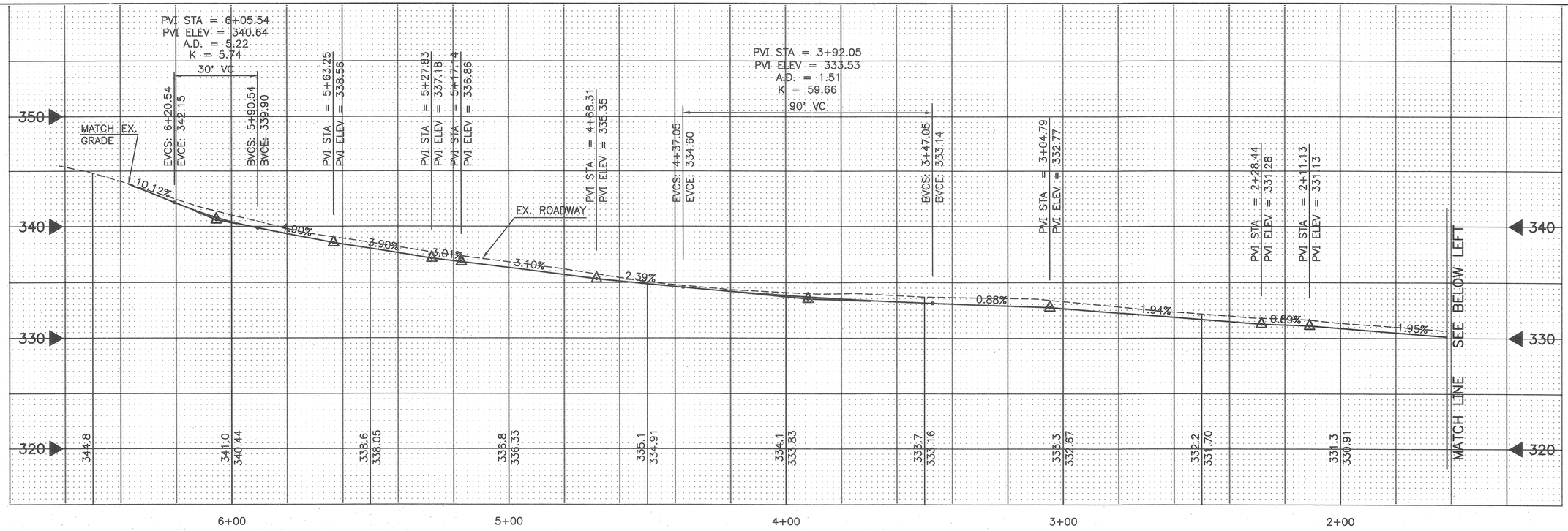
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTIN 0-02.3 OF THE PROJECT MANUAL.

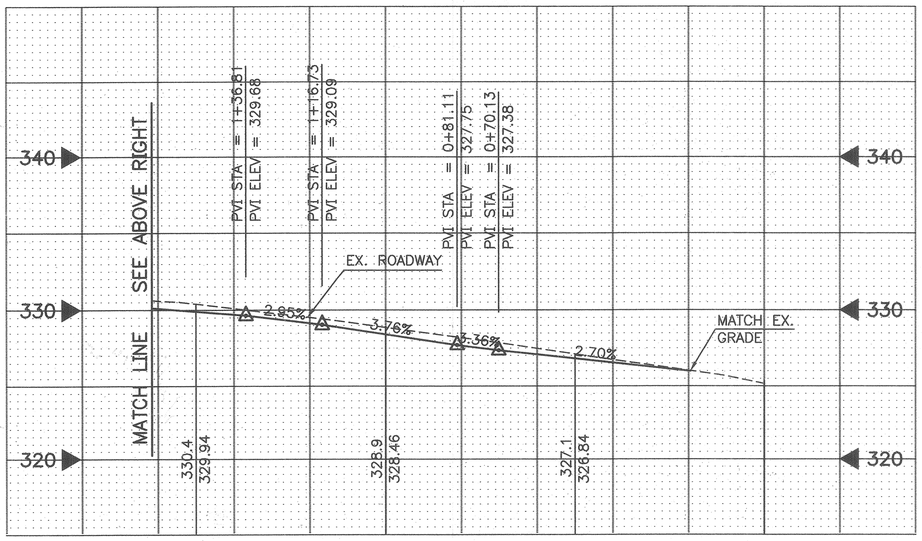
CHAEL C. JOHNSON
STATE OF WASHINGTON
24616
REGISTERED PROFESSIONAL ENGINEER
6-10-03
EXPIRES 03/19/2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE: H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W
CO C300329
VAULT PLAN NO. 777-580
SHEET 43 OF 59





2ND AVE NW
PAVING PROFILE

City of Seattle Seattle Department of Transportation	APPROVED FOR ADVERTISING KENNETH J. NAKATSU DEPARTMENT OF EXECUTIVE ADMINISTRATION SEATTLE, WASHINGTON 20 BY: DIRECTOR, CONTRACTING SERVICES	NAME OR INITIALS AND DATE DESIGNED CHECKED 5/22/03 DRAWN CHECKED LMJT	INITIALS AND DATE REVIEWED: DES. SDOT CONST. PROJ. MGR. RECEIVED REVISED AS BUILT	Seattle Public Utilities City of Seattle Chuck Clarke, Director ORDINANCE NO. FUND: SCALE: H:1"=20' V:1"=5' APPROVED INSPECTOR'S BOOK	BROADVIEW GREEN GRID 4TH AVE NW TO PHINNEY AVE N

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

MICHAEL C. JOHNSON STATE OF WASHINGTON 24611 REGISTERED PROFESSIONAL ENGINEER 5/21/03 EXPIRES 03/19/2004

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 44 OF 59

VAULT SERIAL NO. 34213 | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

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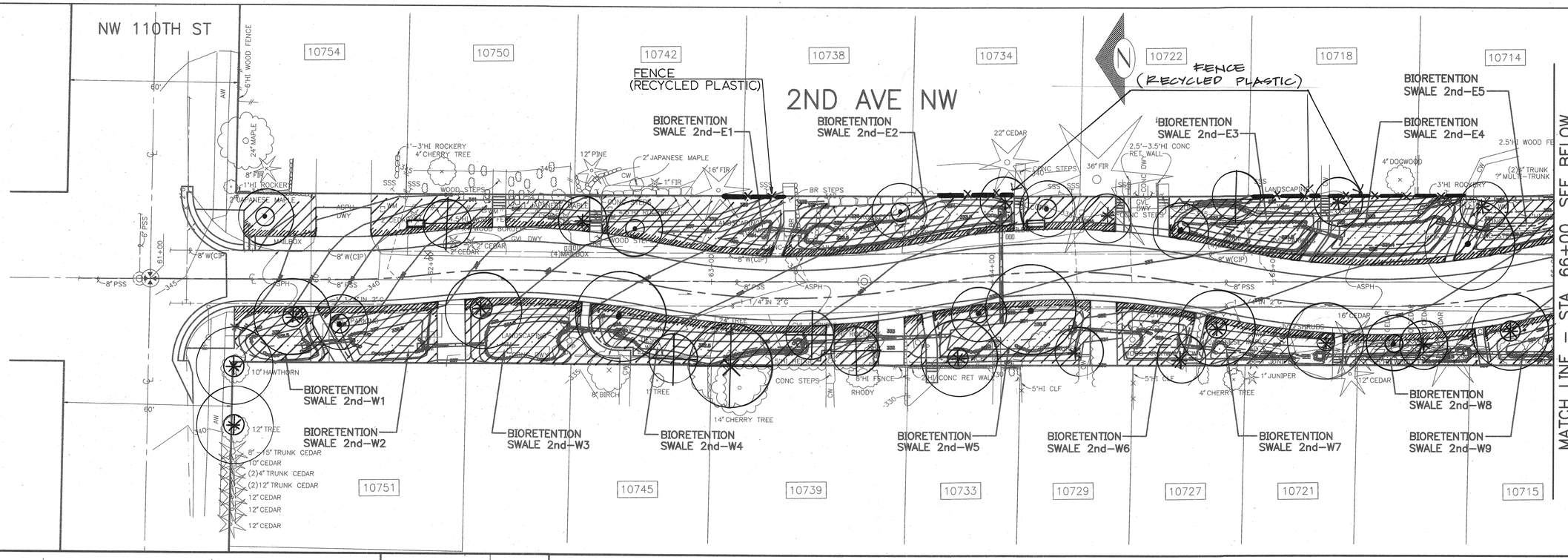

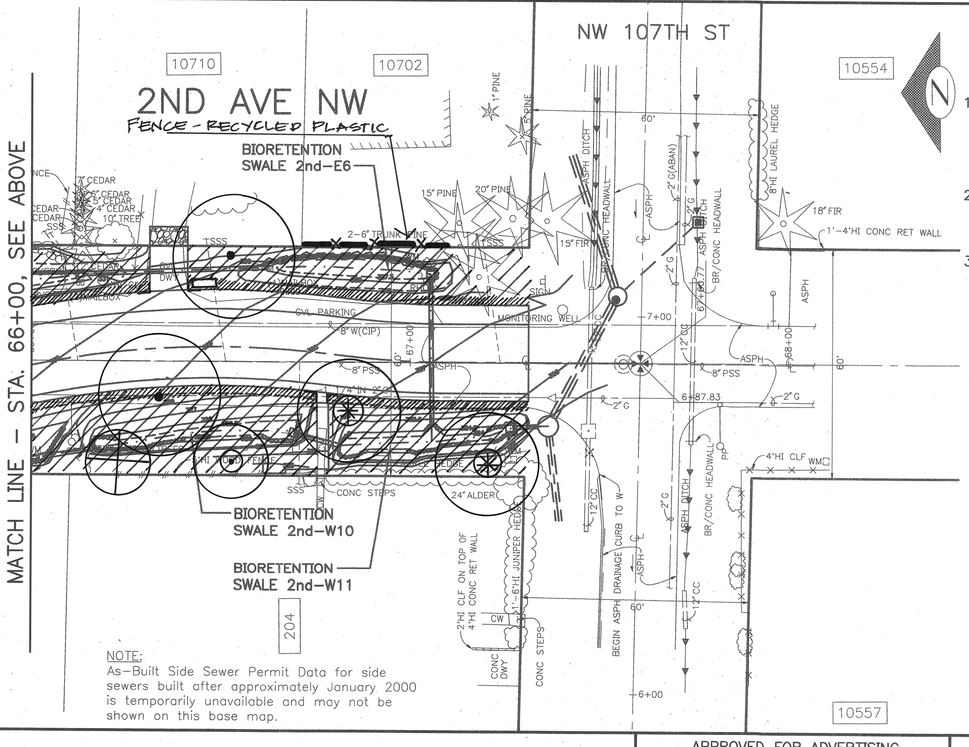

NOTE:
As-Built Side Sewer Permit Data for side sewers built after approximately January 2000 is temporarily unavailable and may not be shown on this base map.

LANDSCAPING NOTES
UNLESS OTHERWISE NOTED:

1. TREE LOCATIONS ARE SUBJECT TO FIELD VERIFICATION BY THE LANDSCAPE ARCHITECT TO ENSURE UTILITY CLEARANCE, SIGHT DISTANCE, COMPATIBILITY WITH VIEWS, ETC. CONTRACTOR SHALL FIELD STAKE TREE LOCATIONS PER PLAN (W/ 2"x2"x2' WOOD STAKES) AND SHALL NOTIFY ENGINEER TO ALLOW 5 WORKING DAY'S TO COORDINATE VERIFICATION.
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3. INSTALLATION OF GRASS ALONG STREET EDGE WILL BE FIELD DIRECTED. THE CONTRACTOR SHALL ALLOW 5 WORKING DAY'S NOTICE TO COORDINATE FIELD MARKING BY THE ENGINEER.

LANDSCAPING LEGEND

- PLANTING AREA PREPARATION - SEE SPECS
- ENGINEERED SOIL INSTALLATION (OR SOD) (SEE NOTE #3)

TREE SYMBOL LEGEND
TREE PROCUREMENT & PLANTING BY OTHERS

- FRAXINUS OXYCARPA 'RAYWOOD' RAYWOOD ASH (OR)
  CERCIDIPHYLLUM JAPONICUM KATSURA TREE
- ACER TRUNCATUM 'KIETHSFORM' NORWEGIAN SUNSET MAPLE (OR)
  ACER TRUNCATUM 'WARRENRED' PACIFIC SUNSET MAPLE
- CORNUS NUTALLI 'EDDIE'S WHITE WONDER' HYBRID DOGWOOD (OR)
  MAGNOLIA 'GALAXY' GALAXY MAGNOLIA
- AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE SERVICEBERRY (OR)
  MAGNOLIA X LOEBNERI 'BALLERINA' BALLERINA MAGNOLIA
- SORBUS AUCUPARIA EUROPEAN MOUNTAIN ASH (OR)
  SORBUS ALNIFOLIA KOREAN MOUNTAIN ASH
- PINUS THUNBERGIANA JAPANESE BLACK PINE (OR)
  PINUS NIGRA AUSTRIAN PINE
- CHAMAECYPARIS OBTUSA HINOKI CYPRESS (OR)
  CORYLUS MAXIMA 'PURPUREA'

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY: DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
DESIGNED	5/22/03
CHECKED	
DRAWN	
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.

INITIALS AND DATE	
REVIEWED:	
DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

STATE OF WASHINGTON
REGISTERED LANDSCAPE ARCHITECT
SHANE E DeWALD
CERTIFICATE NO. 473

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

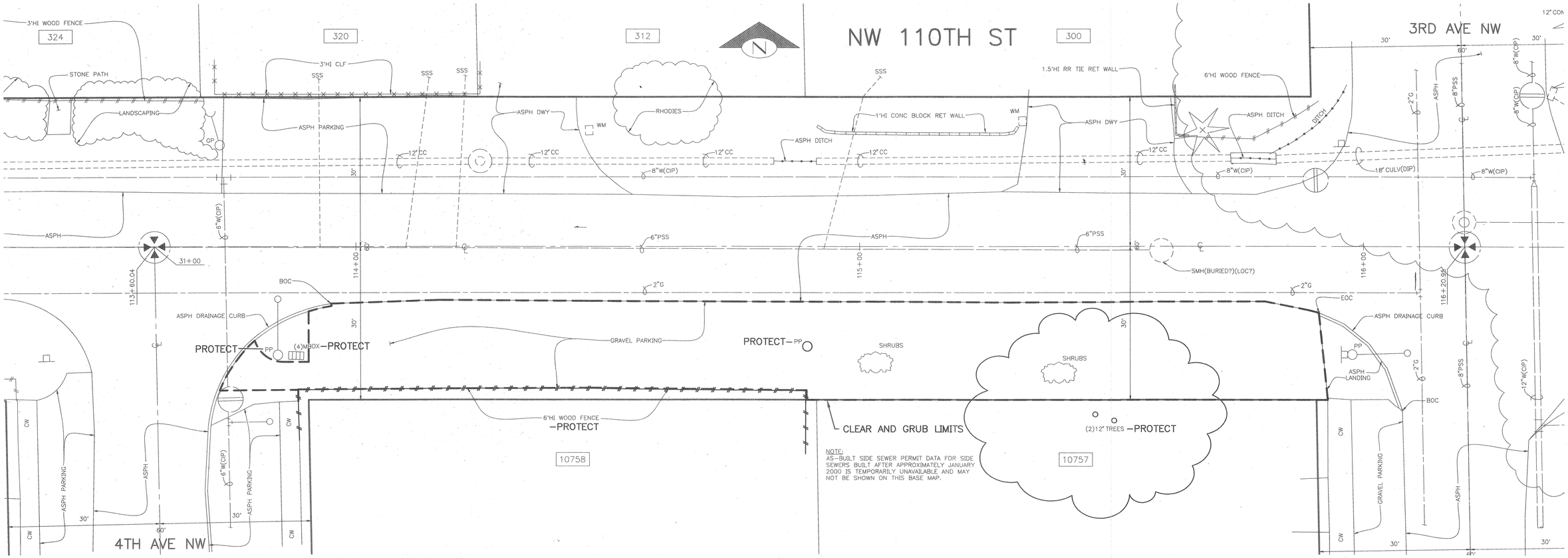
ORDINANCE NO.
FUND:
SCALE: H:1"=20'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

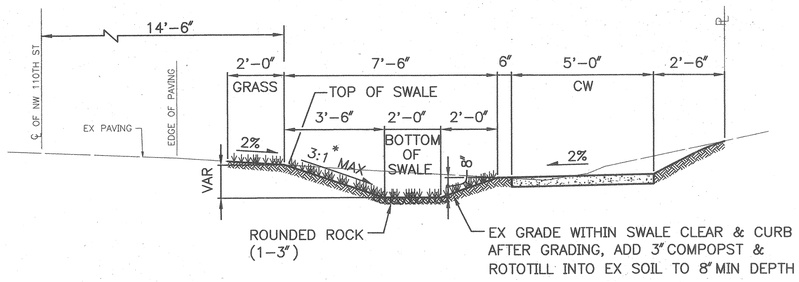
JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 45 OF 59

2ND AVE NW LANDSCAPING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						



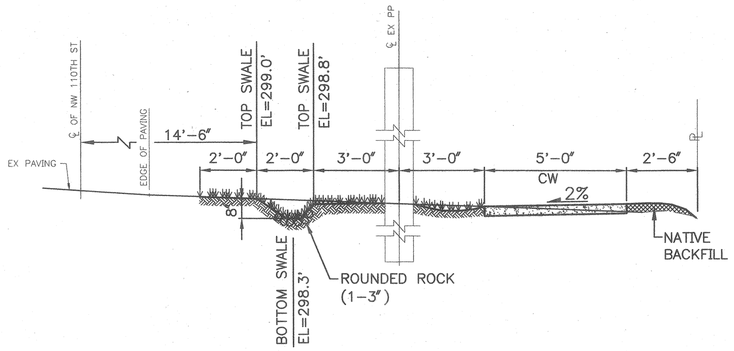
NOTE:
AS-BUILT SIDE SEWER PERMIT DATA FOR SIDE SEWERS BUILT AFTER APPROXIMATELY JANUARY 2000 IS TEMPORARILY UNAVAILABLE AND MAY NOT BE SHOWN ON THIS BASE MAP.



X-SECTION (TYP) 47

SCALE: 3/8" = 1'-0"

NOTE:
* SWALE SLOPE GRADING SHALL BE 3:1 UNLESS OTHERWISE INDICATED ON PLANS AFTER ROUGH GRADING COMPLETED.



SECTION A-A 47

SCALE: 3/8" = 1'-0"

LEGEND

- REMOVE ASPH
- SAWCUT/REMOVE
- CLEAR AND GRUB LIMITS

NOTES
UNLESS OTHERWISE NOTED:

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.

FOR DRAINAGE PLAN SEE SHT 48

NW 110TH ST
REMOVAL & PROTECTION PLAN

NO.	REVISIONS	MADE	CHK'D	REV'D

NO.	MARK	DATE

VAULT SERIAL NO. 34213

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED CM 5/20/03	REVIEWED:
CHECKED	DES. CONST.
DRAWN TV	SDOT PROJ. MGR.
CHECKED LMJT	RECEIVED
	REVISED AS BUILT

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

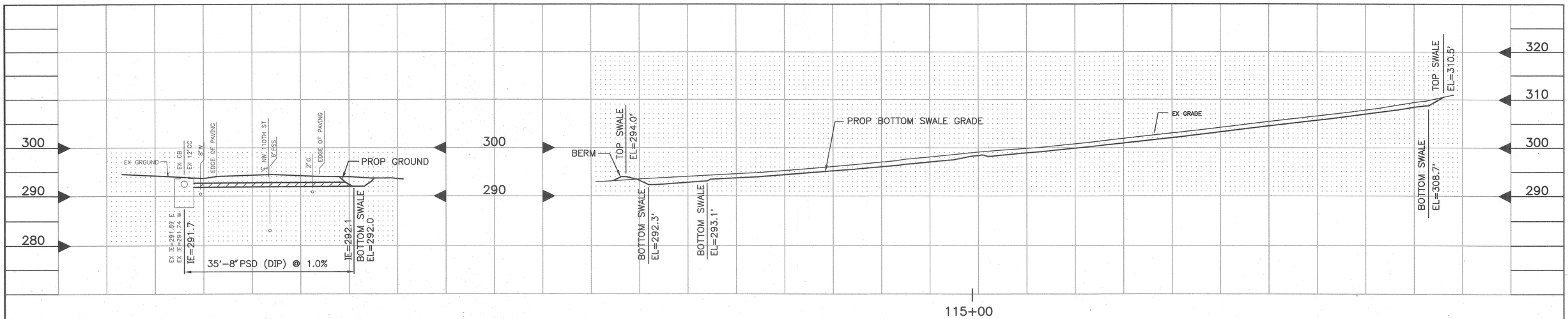
GLENN L. HASHIMOTO
STATE OF WASHINGTON
20158
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

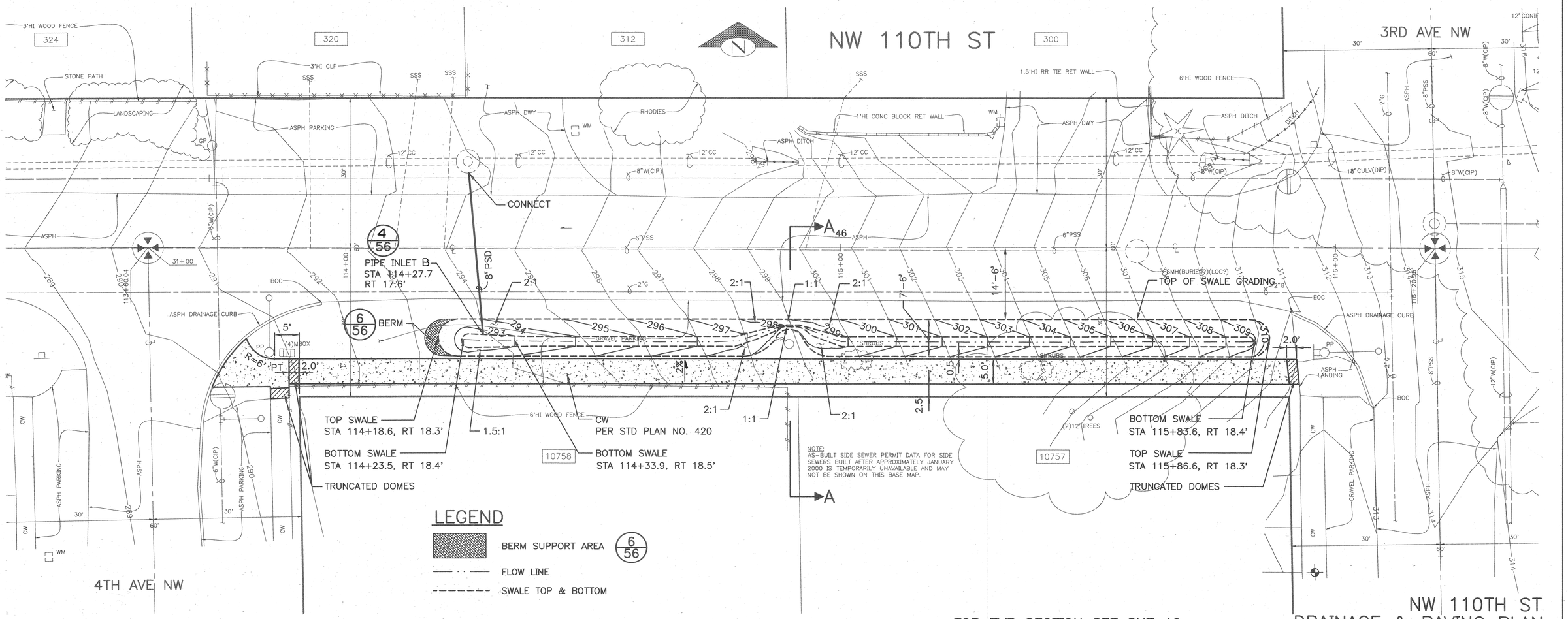
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: 1" = 10'
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 46 OF 59





LEGEND

- BERM SUPPORT AREA (6/56)
- FLOW LINE
- SWALE TOP & BOTTOM

FOR TYP SECTION SEE SHT 46

NW 110TH ST DRAINAGE & PAVING PLAN

NATURE OF REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. 34213

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
DESIGNED CY	5/20/03
CHECKED YH	
DRAWN TLY	
CHECKED LMJT	

INITIALS AND DATE	
REVIEWED:	
DES. BZ	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

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GLENN K. HASEGAWA
STATE OF WASHINGTON
20158
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

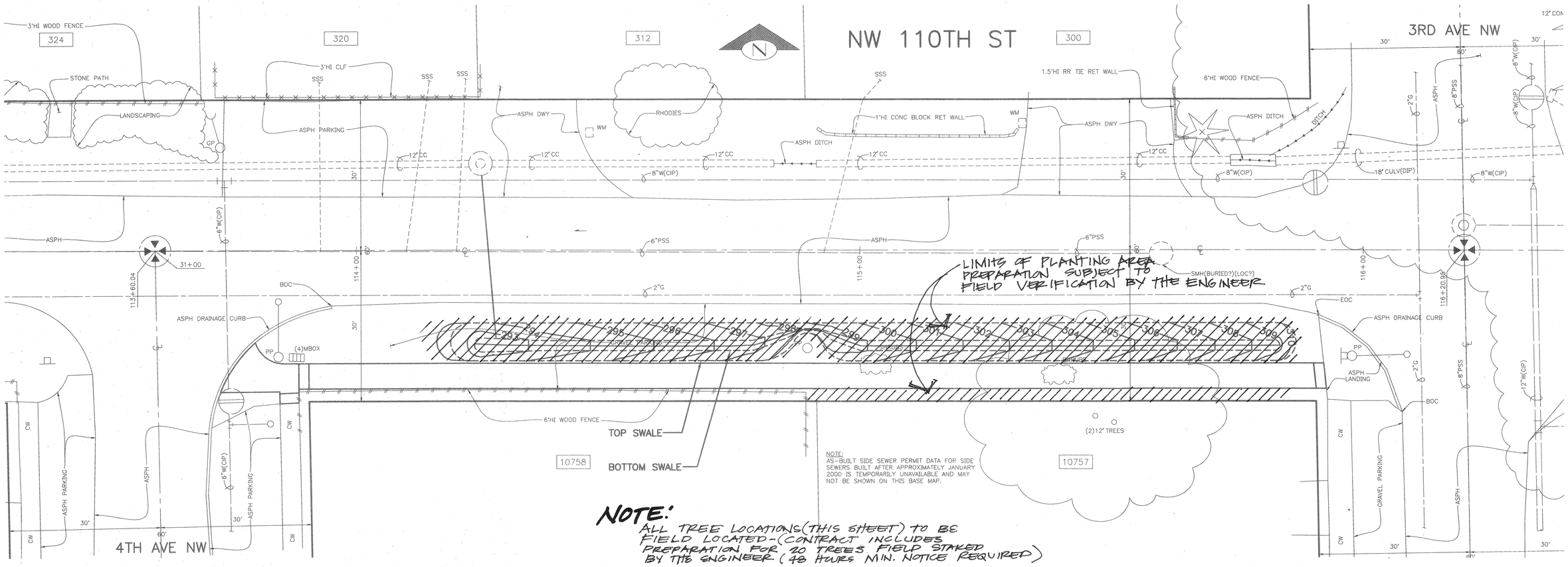
ORDINANCE NO.
APPROVED
FUND:
SCALE: H:1"=10' V:1"=10'
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO.
PC C300329
R/W
CO C300329

VAULT PLAN NO. 777-580

SHEET 47 OF 59



NOTE:
AS-BUILT SIDE SEWER PERMIT DATA FOR SIDE SEWERS BUILT AFTER APPROXIMATELY JANUARY 2000 IS TEMPORARILY UNAVAILABLE AND MAY NOT BE SHOWN ON THIS BASE MAP.

NOTE:
ALL TREE LOCATIONS (THIS SHEET) TO BE FIELD LOCATED - (CONTRACT INCLUDES PREPARATION FOR 20 TREES FIELD STAKED BY THE ENGINEER (48 HOURS MIN. NOTICE REQUIRED)

TREE SYMBOL LEGEND

- FRAXINUS OXYCARPA 'RAYWOOD' RAYWOOD ASH OR
  CERCIDIPHYLLUM JAPONICUM KATSURA TREE
- ACER TRUNCATUM 'KIETHSFORM' NORWEGIAN SUNSET MAPLE OR
  ACER TRUNCATUM 'WARRENRED' PACIFIC SUNSET MAPLE
- CORNUS NUTALLI 'EDDIE'S WHITE WONDER' HYBRID DOGWOOD OR
  MAGNOLIA 'GALAXY' GALAXY MAGNOLIA
- AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE' AUTUMN BRILLIANCE SERVICEBERRY OR
  MAGNOLIA X LOEBNERI 'BALLERINA' BALLERINA MAGNOLIA
- SORBUS AUCUPARIA EUROPEAN MOUNTAIN ASH OR
  SORBUS ALNIFOLIA KOREAN MOUNTAIN ASH
- PINUS THUNBERGIANA JAPANESE BLACK PINE OR
  PINUS NIGRA AUSTRIAN PINE
- CHAMAECYPARIS OBTUSA HINOKI CYPRESS OR
  CORYLUS MAXIMA 'PURPUREA'

LANDSCAPING NOTES

UNLESS OTHERWISE NOTED:

1. TREE LOCATIONS ARE SUBJECT TO FIELD VERIFICATION BY THE LANDSCAPE ARCHITECT TO ENSURE UTILITY CLEARANCE, SIGHT DISTANCE, COMPATIBILITY WITH VIEWS, SWALE SLOPES ETC.
2. PROJECT INCLUDES 1, 2, AND 3 MAN ROCK PLACEMENT TO BE FIELD-DIRCETED AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION.
3. INSTALLATION OF GRASS OR GROUND COVER SUBJECT TO CONFIRMATION BY ADJACENT PROPERTY OWNER.

LANDSCAPING LEGEND

- PLANTING AREA PREPARATION - SEE SPECS
- ENGINEERED SOIL INSTALLATION (OR SOD) - SEE NOTE # 3

NOTE:
AREA REQUIRING PLANTING AREA PREPARATION OR ENGINEERED SOIL THIS SHEET TO BE FIELD MARKED BY THE ENGINEER

NW 110TH ST
LANDSCAPING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
DESIGNED	
CHECKED	5/22/03
DRAWN	
CHECKED	

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INITIALS AND DATE	
REVIEWED: DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

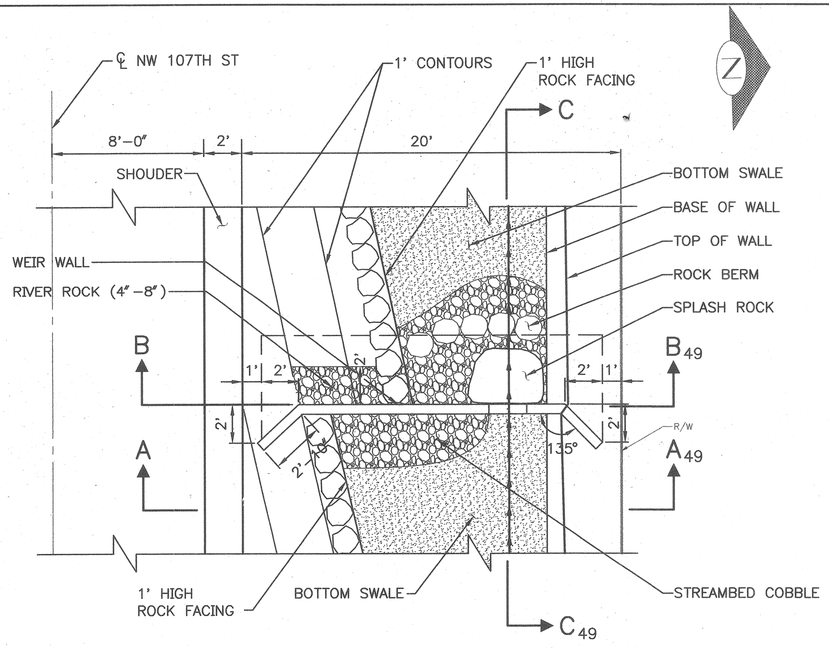
STATE OF WASHINGTON
REGISTERED LANDSCAPE ARCHITECT
SHANE E DeWALD
CERTIFICATE NO. 473

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: 1" = 10'
APPROVED
INSPECTOR'S BOOK

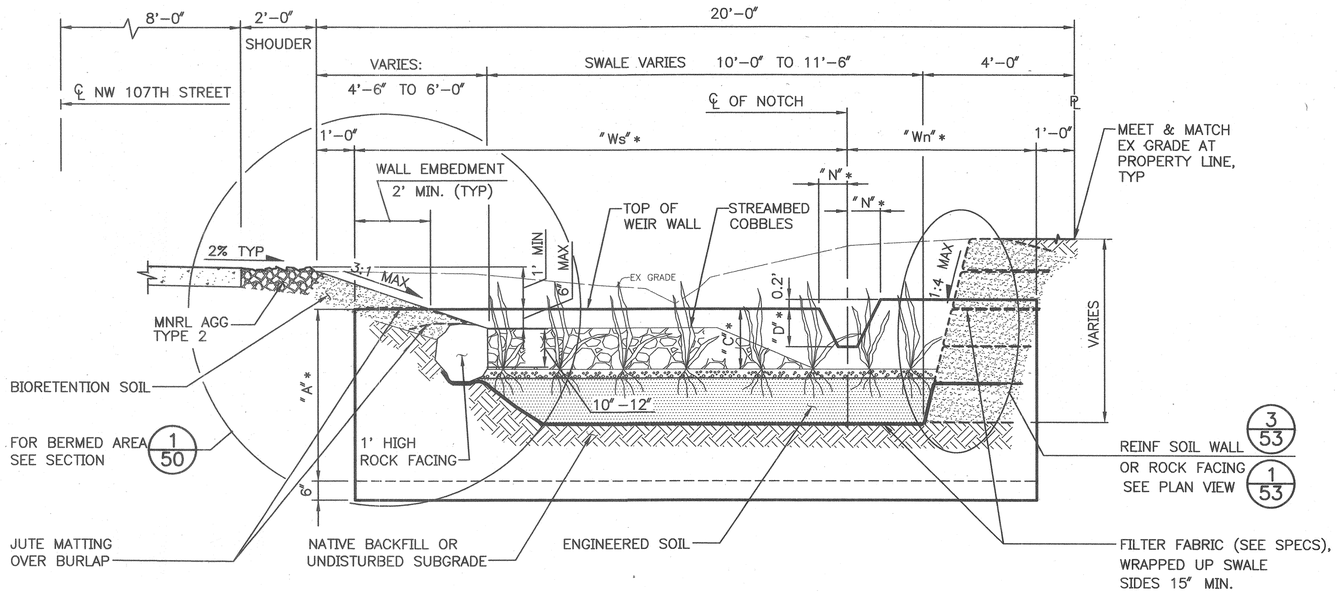
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO.	
PC	C300329
R/W	
CO	C300329
VAULT PLAN NO.	777-580
SHEET	48 OF 59



PLAN–WEIR WALL (1 / 8–13,19)

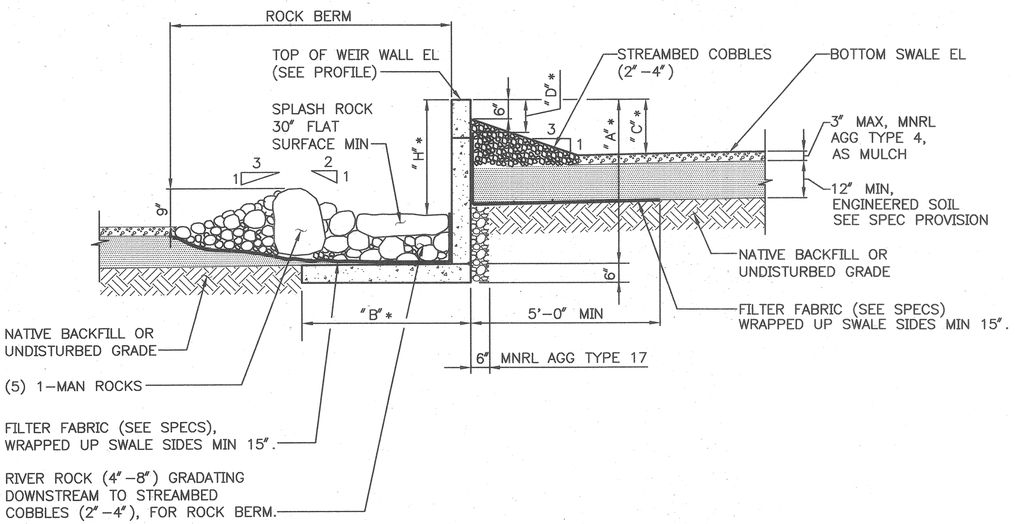
SCALE: 1/4" = 1'-0"



SECTION A–A 49 ~ CASCADE SWALE, TYP

SCALE: 1/2" = 1'-0"

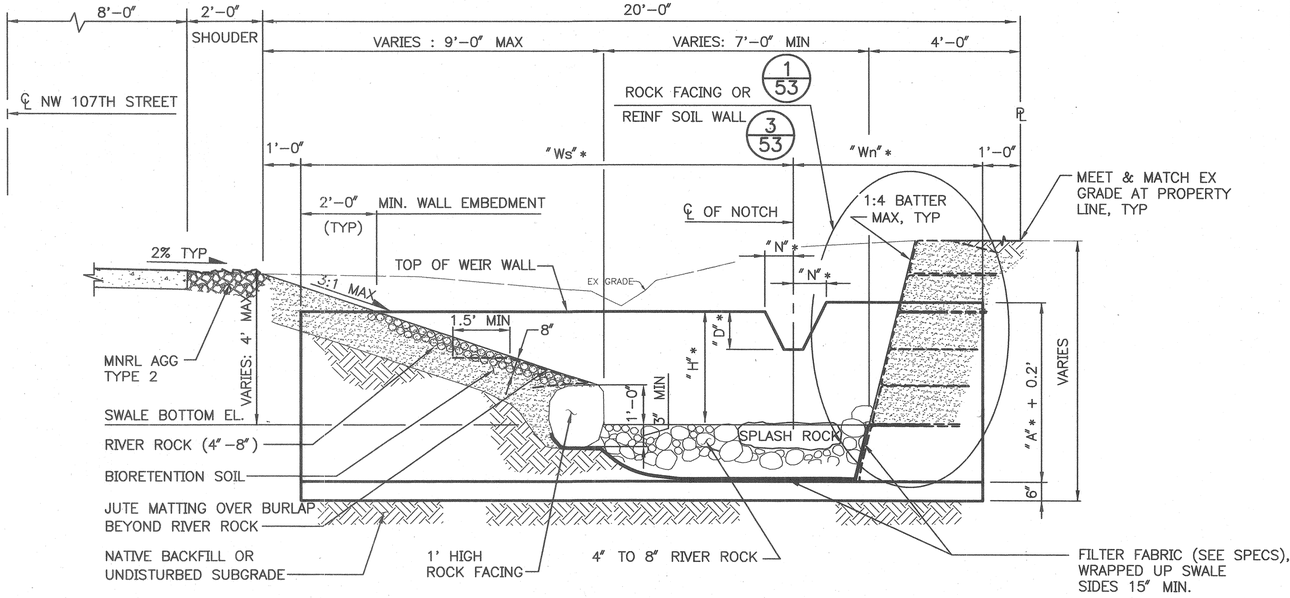
* SEE WEIR WALL INDEX TABLE SHT 50



SECTION C–C 49 ~ WEIR WALL, TYP

SCALE: 1/2" = 1'-0"

* SEE WEIR WALL INDEX TABLE SHT 50



SECTION B–B 49 ~ CASCADE SWALE, TYP

SCALE: 1/2" = 1'-0"

* SEE WEIR WALL INDEX TABLE SHT 50

NOTE:

1. SPLASH ROCK SHALL BE MIN 30" IN ANY HORIZONTAL DIRECTION & MIN 6" DEEP.

NW 107TH ST CASCADE DRAINAGE DETAILS

NO.	NATURE REVISIONS	DATE	MARK	MADE CHK'D	REV'D
VAULT SERIAL NO. 34213					

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED SR 5/22/03
CHECKED YJ
DRAWN CM JCJ
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

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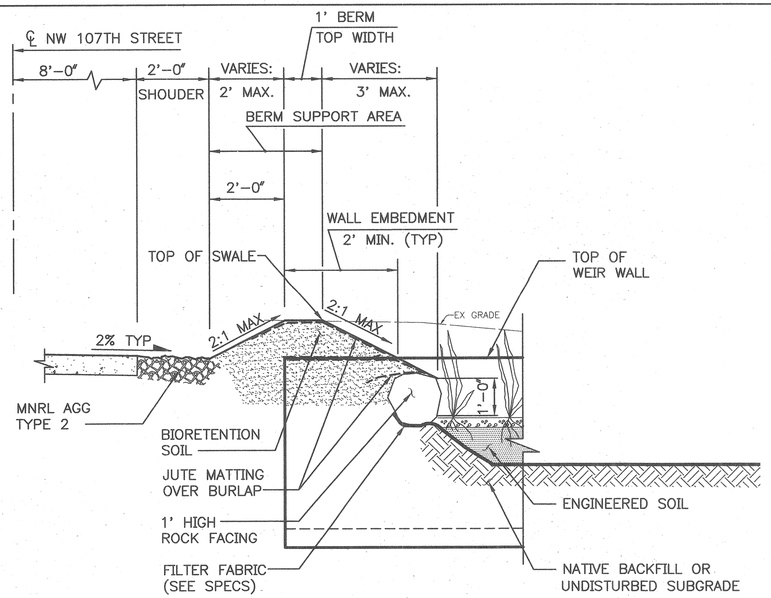
GLENN A. HASEGAWA — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 08-17-2004

Seattle Public Utilities
ORDINANCE NO.
FUND:
SCALE:NOTED

City of Seattle
Chuck Clarke, Director
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 49 OF 59



BERMED AREA SECTION 1/49

SCALE: ½" = 1'–0"

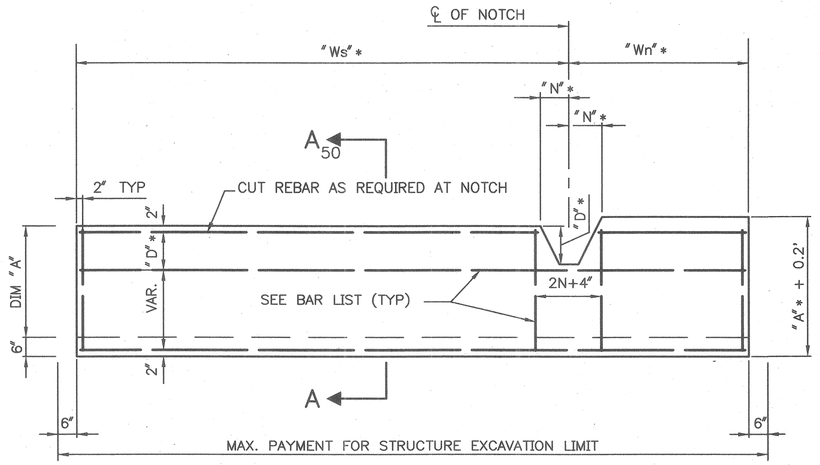
WEIR WALL INDEX TABLE

(ALL DIMENSIONS IN FEET)

WEIR WALL NO.	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "Ws"	DIM "Wn"	DIM "N"	DIM "H"
1	4.33	6.5	1.5	1.5	13	5	0.33	3
2	4.33	6.5	1.5	1.5	12	6	0.33	3
3	4.33	6.5	1.5	1.5	11	7	0.33	3
4	4.33	6.5	1.5	1.5	12	6	0.33	3
5	4.33	6.5	1.33	1	13	5	0.33	3
6	4.33	6.5	1.33	1	12	6	0.33	3
7	3.33	3.75	1.33	1	10	7	0.33	2
8	3.33	3.75	1.33	1	11	6	0.33	2
9	3.33	3.75	1.33	1	12	5	0.33	2
10	4.33	6.5	1.33	1	12	6	0.33	3
11	4.33	6.5	1.33	1	11	7	0.33	3
12	4.33	6.5	1.33	1	12	6	0.33	3
13	3.33	3.75	1.33	1	12	5	0.33	2
14	4.33	6.5	1.33	1	12	6	0.33	3
15	2.83	2.25	1.33	1	10	7	0.33	1.5
16	3.33	3.75	1.33	1	11	6	0.33	2
17	3.33	3.75	1.33	1	12	5	0.33	2
18	4.33	6.5	1.33	1	12	6	0.33	3
19	4.33	6.5	1.33	1	11	7	0.33	3
20	3.33	3.75	1.5	1.33	11	6	0.33	2
21	4.33	6.5	1.5	1.33	13	5	0.33	3
22	4.33	6.5	1.5	1.33	12	6	0.33	3
23	4.33	6.5	1.5	1.33	11	7	0.33	3
24	2.83	2.25	1.5	1.33	9.4	5.6	0.25	1.5
25	4.33	6.5	1.5	1	8.7	6.3	0.25	3
26	4.33	6.5	1.5	1	7.2	7.8	0.25	3
27	2.83	2.25	1.5	1	9.2	5.8	0.25	1.5
28	4.33	6.5	1.5	1	6.4	8.6	0.25	3

BAR LIST

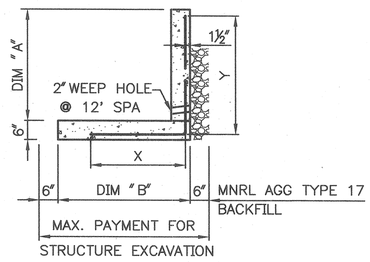
A	X	Y	DIAGRAM
2.83'	2.0'	3.0'	(4) #4, #4@1'–6" OC
3.33'	3.50'	3.50'	#4@1'–6" OC
4.33'	6.25'	4.50'	(7) #4, #4@1'–0" OC



ELEVATION ~ WEIR WALL 2/8–13,19

SCALE: ½" = 1'–0"

* SEE WEIR WALL INDEX TABLE



SECTION A–A 50

SCALE: ½" = 1'–0"

NOTE:

1. CONTRACTOR SHALL PROVIDE ENGINEER WITH THREE (3) WEEKS NOTICE PRIOR TO FORMING WEIR WALLS. NOTCH DIMENSIONS MAY BE MODIFIED BY ENGINEER.
2. SLOPE ON SIDES OF NOTCH SHALL BE 4V:1H

NW 107TH ST CASCADE DRAINAGE DETAILS

VAULT SERIAL NO. 34213

NO.	DATE	MARK	NATURE OF REVISIONS	MADE	CHK'D	REV'D

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED SR 5/22/03
CHECKED 4J
DRAWN CM JCJ
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
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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.

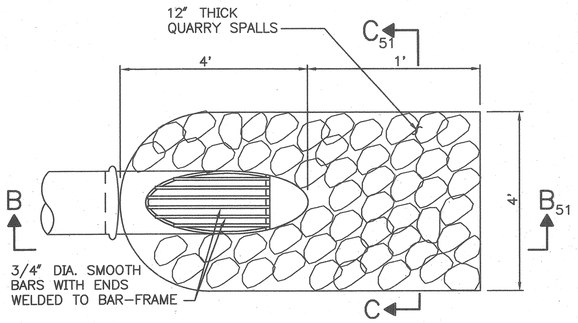
GLENN T. HASEGAWA
STATE OF WASHINGTON
20158
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

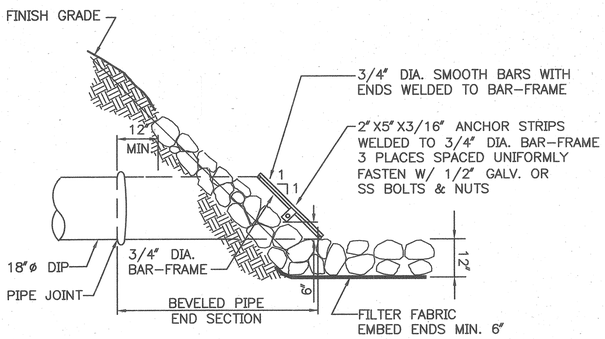
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 50 OF 59

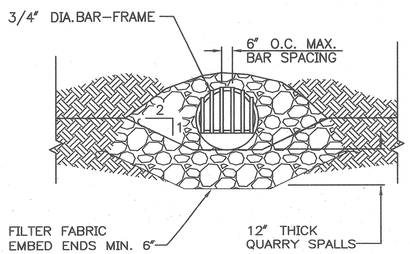


DEBRIS BARRIER 1 / 8-13,19
N.T.S.

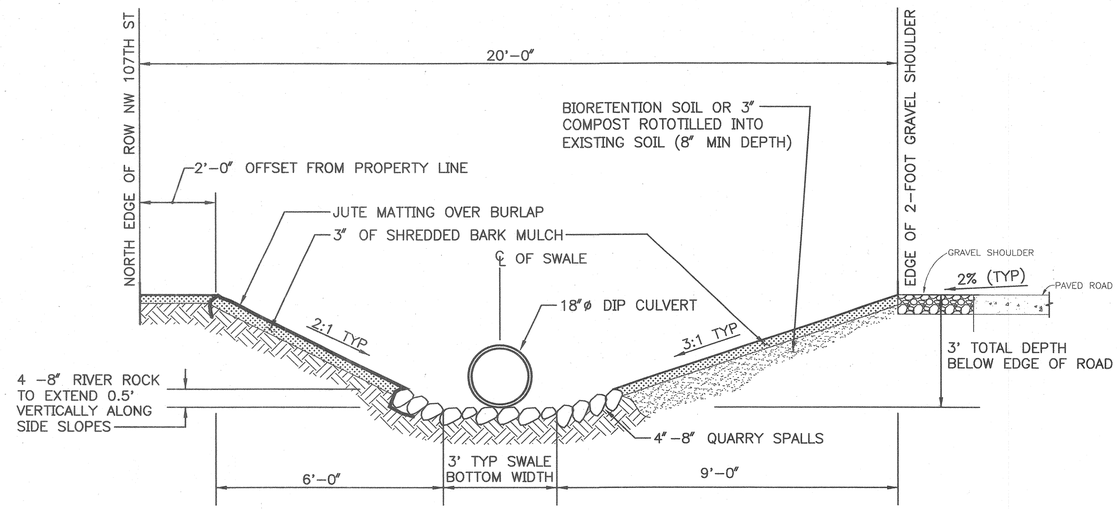
NOTE:
ALL STEEL PARTS MUST BE
GALVANIZED OR STAINLESS STEEL



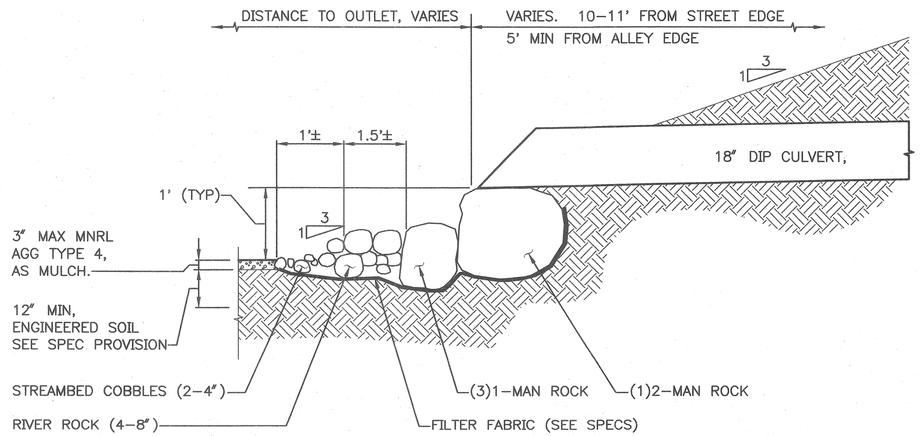
SECTION B-B 51
N.T.S.



SECTION C-C 51
(BEVELED END SECTION)
N.T.S.



DITCH 2 / 10
(VIEW FACING EAST)
SCALE: 1/2"=1'-0"



OUTLET PIPE (TYP) 3 / 8-13,19
SCALE: 1/2" = 1'-0"

NW 107TH ST
CASCADE DRAINAGE DETAILS

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

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DRAWN CLH JCV
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
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GLENN K. HASEGAWA
STATE OF WASHINGTON
20158
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
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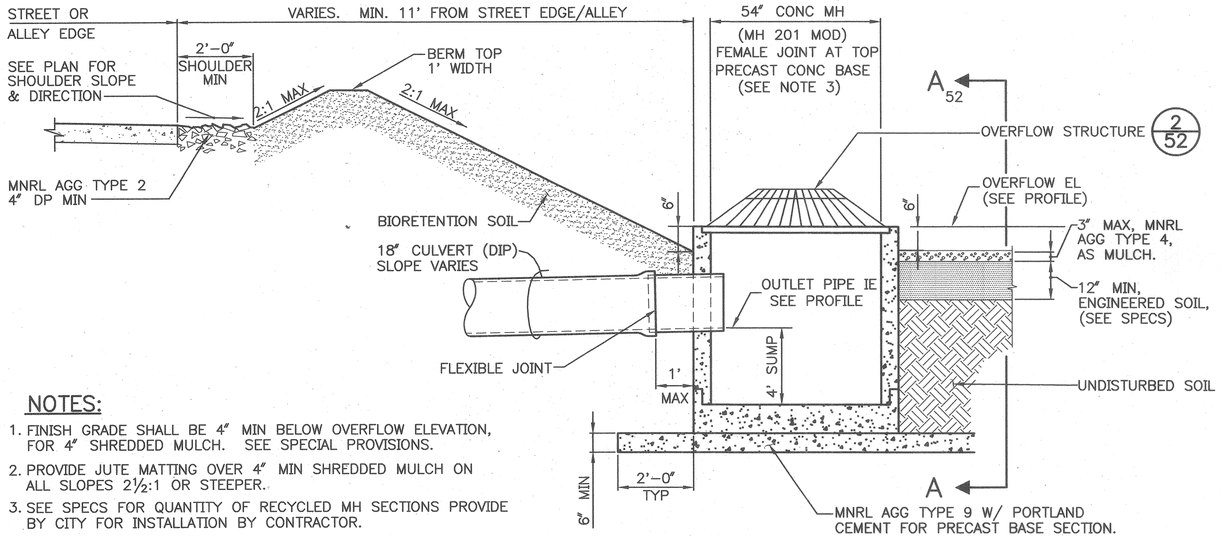
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329
R/W
CO C300329
VAULT PLAN NO. 777-580
SHEET 51 OF 59



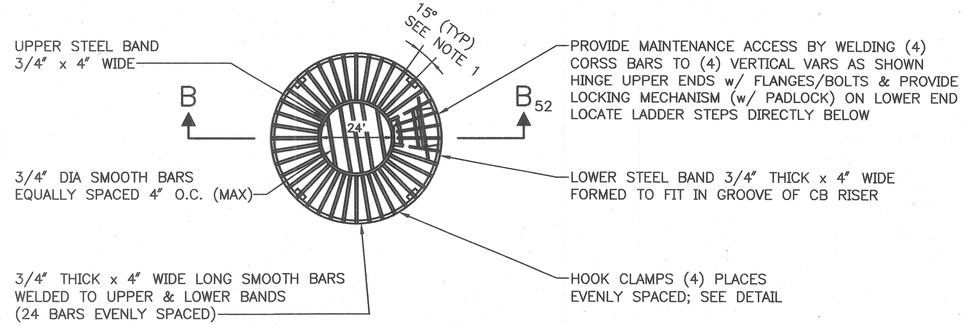
NOTES:

1. FINISH GRADE SHALL BE 4" MIN BELOW OVERFLOW ELEVATION, FOR 4" SHREDDED MULCH. SEE SPECIAL PROVISIONS.
2. PROVIDE JUTE MATTING OVER 4" MIN SHREDDED MULCH ON ALL SLOPES 2½:1 OR STEEPER.
3. SEE SPECS FOR QUANTITY OF RECYCLED MH SECTIONS PROVIDE BY CITY FOR INSTALLATION BY CONTRACTOR.

ELEVATION ~ TYP OUTLET STRUCTURE AREA 1/8,9

(LOOKING NORTH AT ℄ 54" MH)

SCALE: ½" = 1'-0"

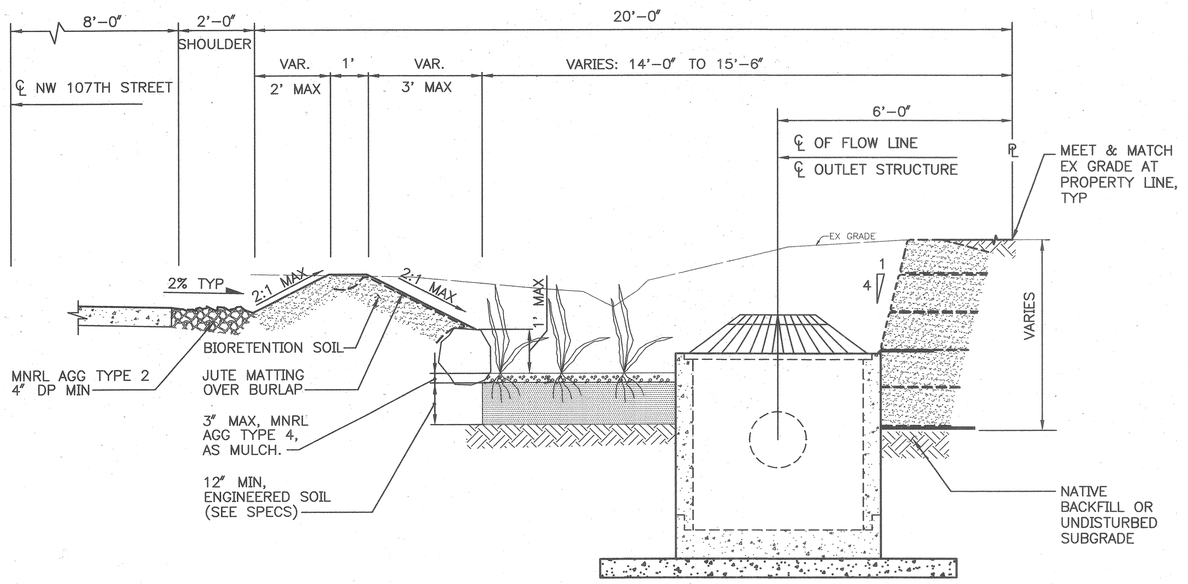


OVERFLOW STRUCTURE 2/52

SCALE: ½" = 1'-0"

NOTES:

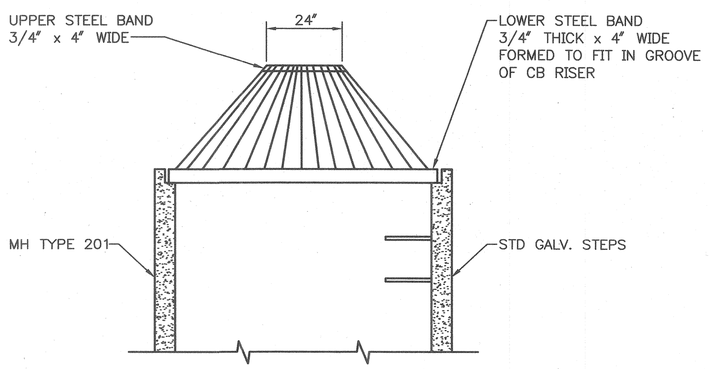
1. DIMENSIONS ARE FOR INSTALLATION ON 54" DIA. CB
2. METAL PARTS: CORROSION RESISTANT; STEEL PARTS GALVANIZED



SECTION A–A 52

(LOOKING DOWNSTREAM TO 54" MH)

SCALE: ½" = 1'-0"



SECTION B–B 52

N.T.S.

NW 107TH ST CASCADE DRAINAGE DETAILS

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

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KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	SR 5/22/03	REVIEWED: DES.	CONST.
CHECKED	YH	SDOT	PROJ. MGR
DRAWN	CM JCJ	RECEIVED	
CHECKED	LMSJT	REVISED AS BUILT	

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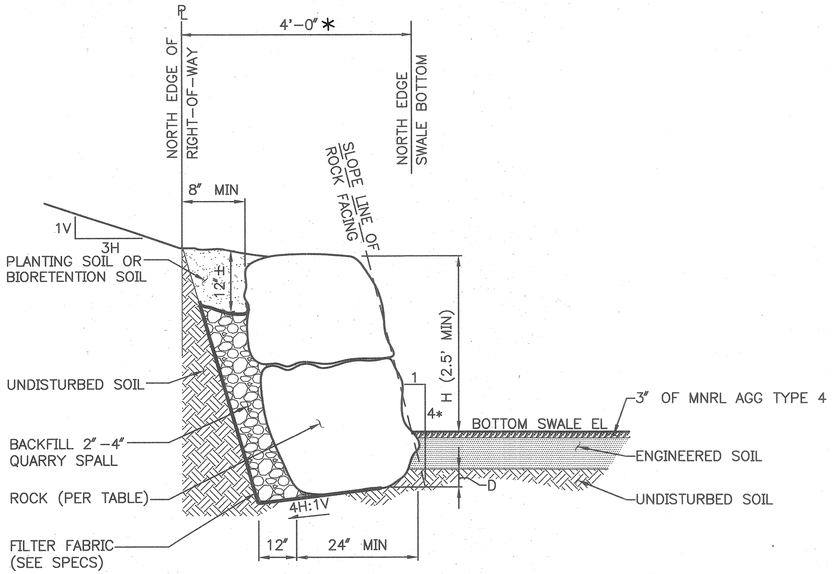
CLARK C. EASTMAN — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 52 OF 59



SECTION

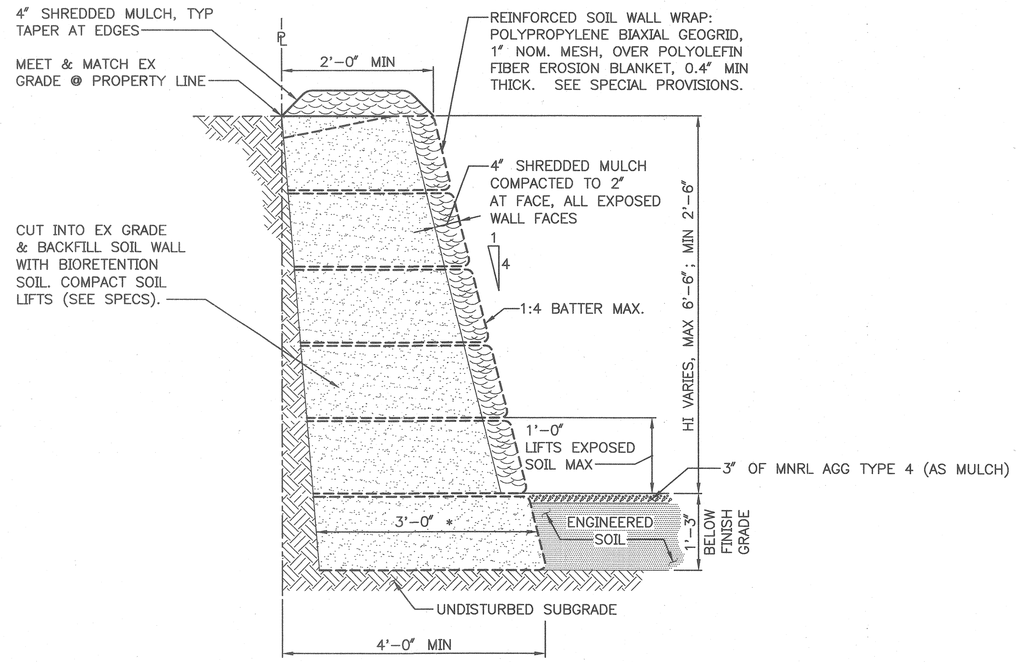
ROCK FACING, MODIFIED (1 / 8–13,19)

N.T.S.

* UNLESS OTHERWISE INDICATED ON PLAN

MINIMUM ROCK SIZES

(H)	SIZE(BASE)	SIZE(TOP)	(D)
2.5'	2–MAN	1–MAN	3"
4'	3–MAN	2–MAN	6"
7'	4–MAN	2–MAN	9"



REINFORCED SOIL WRAP WALL (2 / 8–13)

SCALE: 1" = 1'–0"

* WHEN WALL HEIGHT (H) IS OVER 5'–0", WRAP DEPTH SHALL BE 4'.

NOTE:

1. FACE OF REINF SOIL WALL SHALL BE PLANTED WITH SHRUBS & GROUND COVERS, BY OTHERS.

NW 107TH ST
CASCADE DRAINAGE DETAILS

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED SR 5/20/03
CHECKED
DRAWN dcm JCJ
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

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

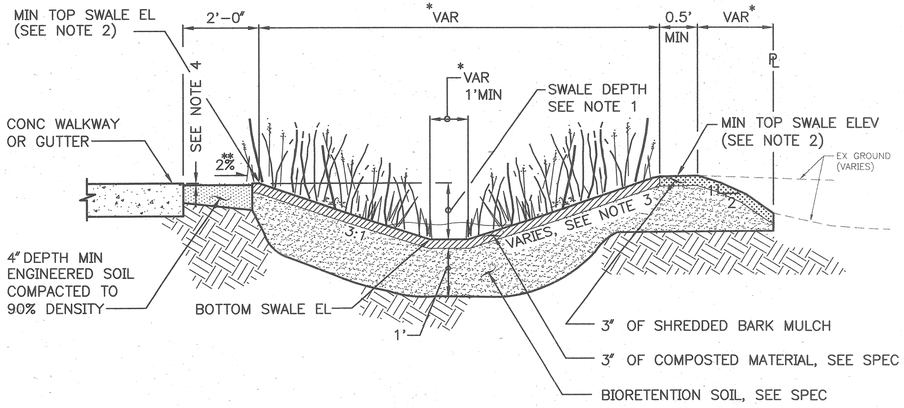
GLENN HASEGAWA — STATE OF WASHINGTON — 20156 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06–17–2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

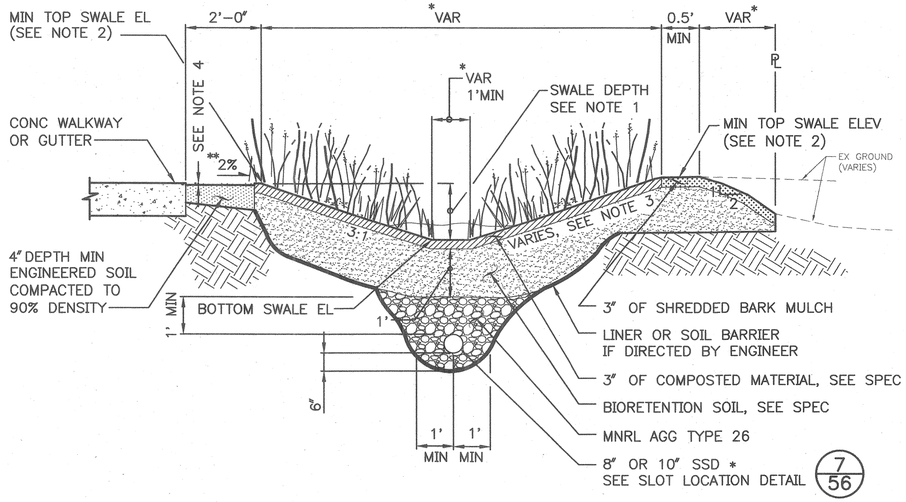
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 53 OF 59



BIORETENTION SWALE (1 / 19,27,33,40)

SCALE: ½" = 1'-0"



BIORETENTION SWALE W/ SSD (2 / 27)

SCALE: ½" = 1'-0"

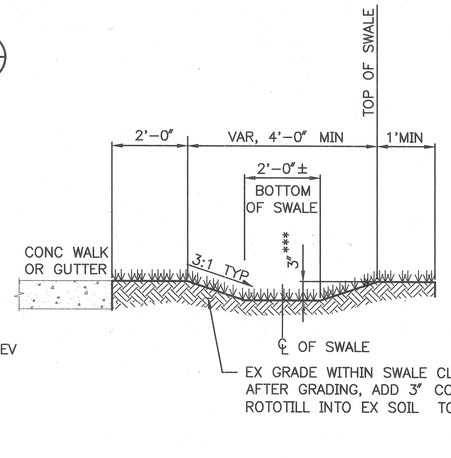
NOTES:

* SEE PLAN VIEW

** WHEN ADJACENT TO EARTH BERM

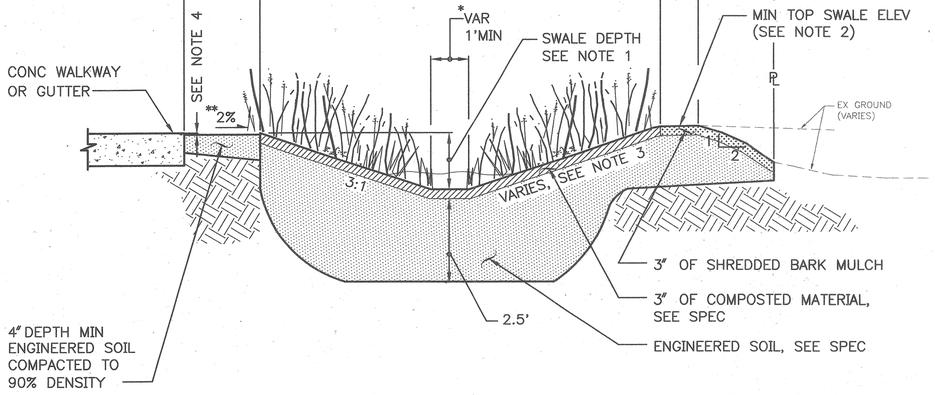
*** AS MEASURED FROM THE LOWER OF THE TWO ADJACENT TOPS OF SWALE.

1. SWALE DEPTH VARIES 8"–30", SEE PROFILE FOR CRITICAL BOTTOM SWALE EL.
2. CRITICAL MIN TOP SWALE EL IS LOWEST ALLOWABLE ELEVATION SURROUNDING SWALE.
3. 3:1 UNLESS OTHERWISE INDICATED ON PLAN.
4. FINISHED GRADE SHALL BE 0.5" MIN BELOW EDGE OF CONCRETE.



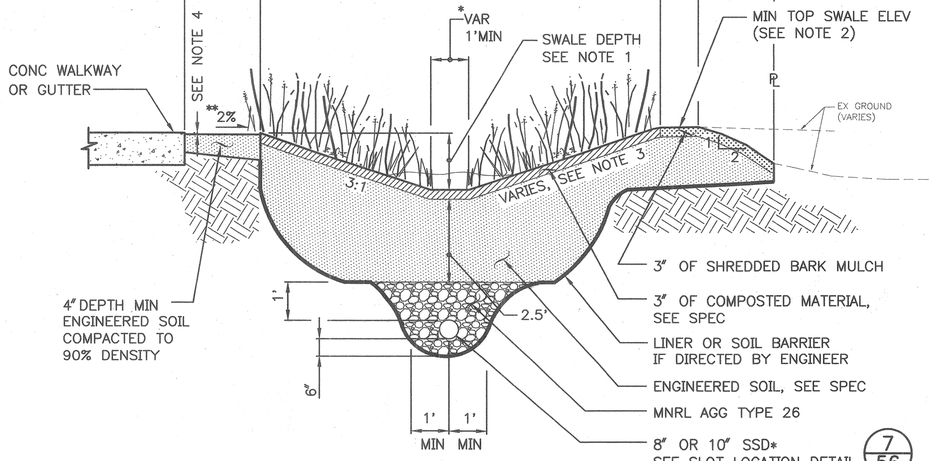
CONVEYANCE SWALE (5 / 19,33)

SCALE: ½" = 1'-0"



ENGINEERED SOIL SWALE (3 / 19,27,33)

SCALE: ½" = 1'-0"



ENGINEERED SOIL SWALE W/ SSD (4 / 19,27,33)

SCALE: ½" = 1'-0"

NATURE OF REVISIONS	MADE	CH'K'D	REV'D

VAULT SERIAL NO.	MARK	DATE
34213		

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	RCQ 5/22/03	REVIEWED:	
CHECKED	MHL	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	JCJ	RECEIVED	
CHECKED	LMNJT	REVISED AS BUILT	

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

GLENN HARAMAKI
STATE OF WASHINGTON
20158
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

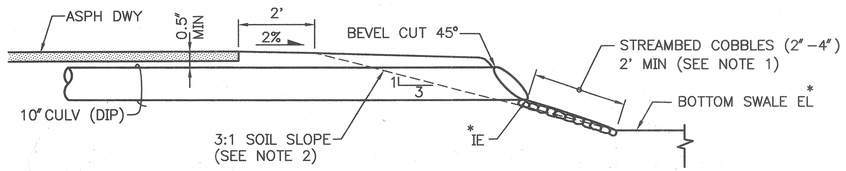
SEA STREET DRAINAGE DETAILS

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

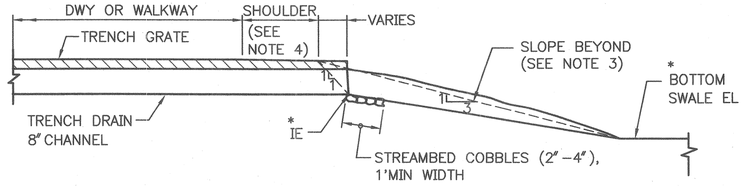
JOB NO. PC C300329 R/W CO C300329

VAULT PLAN NO. 777-580

SHEET 54 OF 59



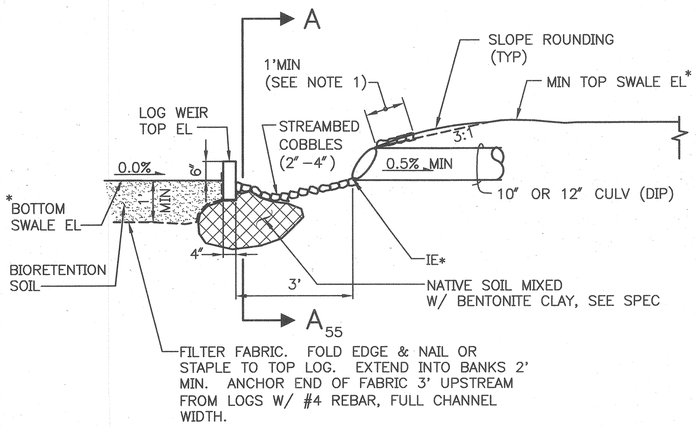
PIPE OUTLET 1
SCALE: ½" = 1'–0"
19,27,33,40



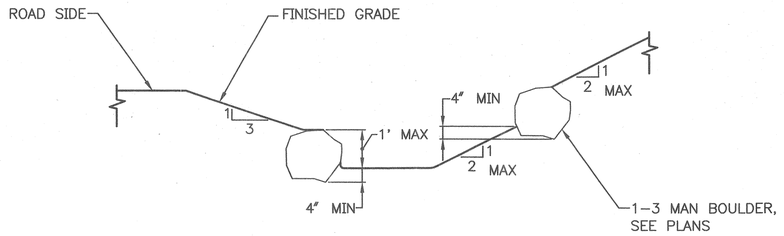
TRENCH OUTLET 2
SCALE: ½" = 1'–0"
19,27,33

NOTES:

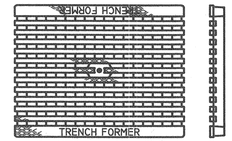
* SEE PROFILE
1. STREAMBED COBBLES SHALL BE PLACED SUCH THAT IT ARMORS A 1–FOOT MINIMUM RADIUS, AS MEASURED FROM OUTSIDE PIPE DIAMETER, FROM BOTTOM ½ OF PIPE.
2. 3H:1V SLOPE BEYOND SHALL TRANSITION TO COVER CULVERT. BERM TO COVER CULVERT, 6" MIN.
3. 3H:1V SLOPE BEYOND SHALL TRANSITION TO TRENCH DRAIN SIDE WALLS. SIDE SLOPES SHALL NOT EXCEED 1:1.
4. DRIVEWAY SHOULDERS ARE 2–FEET. WALKWAY SHOULDERS ARE 1–FOOT.



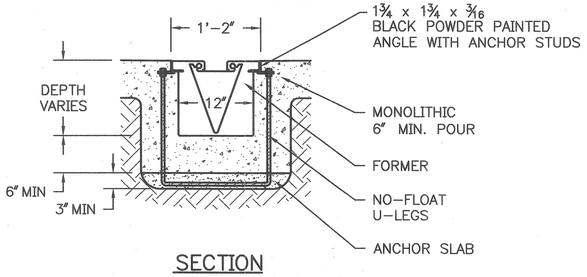
LOG WEIR 3
N.T.S.
19,33



X–MAN ROCK PLACEMENT 4
SCALE: ½" = 1'–0"
TYP



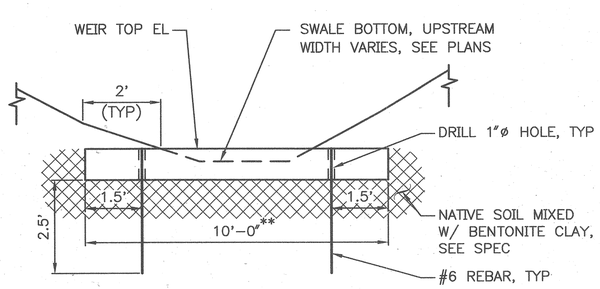
GRATE SURFACE AND SECTION



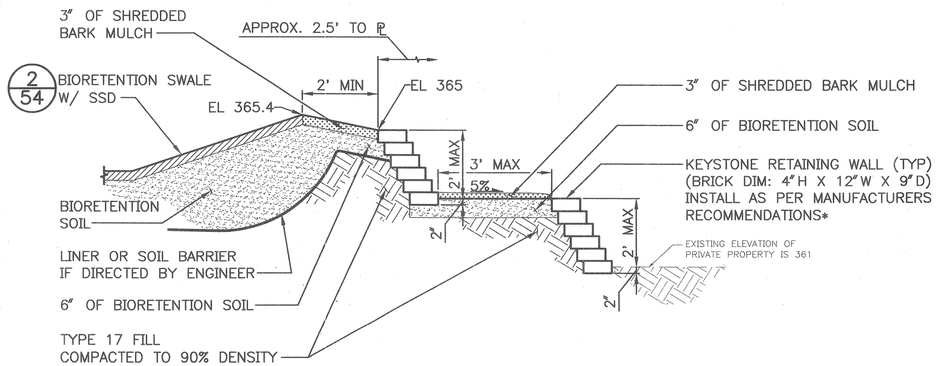
SECTION

TRENCH DRAIN 5
N.T.S.
TYP

PART #	LOAD CLASS	AASHTO RATING	MATERIAL	OPEN AREA	LENGTH IN [M]	WEIGHT Lb [Kg]
1504.14	9.4	H–20	GR.30 C.I.	22%	18 [0.61]	50.9 [23.1]



SECTION A–A 55
SCALE: ½" = 1'–0"
** UNLESS OTHERWISE NOTED ON PLANS.



KEYSTONE RETAINING WALL, PROPERTY 10725 PALATINE 6
SCALE: ½" = 1'–0"
27
* TYPE & COLOR OF BRICKS TO MATCH EXISTING ON PROPERTY

VAULT SERIAL NO. 34213

MARK	DATE	NATURE OF REVISIONS	MADE CHK'D	REV'D

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED YSD PCQ 5/22/03
CHECKED mhL

DRAWN JCJ
CHECKED LMJT

INITIALS AND DATE
REVIEWED:
DES. CONST.
SDOT PROJ. MGR.
RECEIVED
REVISED AS BUILT

ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFI–CATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTIN 0–02.3 OF THE PROJECT MANUAL.

GLENN HASEGAWA
STATE OF WASHINGTON
20156
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 06–17–2004

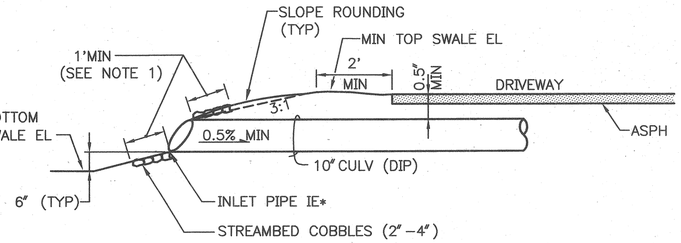
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

SEA STREET DRAINAGE DETAILS

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

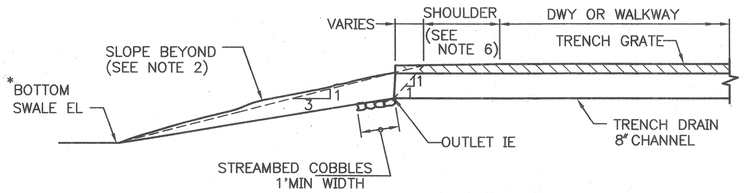
JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777–580
SHEET 55 OF 59



PIPE INLET A (1) 19,27,33,40

SCALE: ½" = 1'-0"

FOR USE ON SWALES WITH 0% SWALE BOTTOM AREA



TRENCH INLET (2) 19,27,33

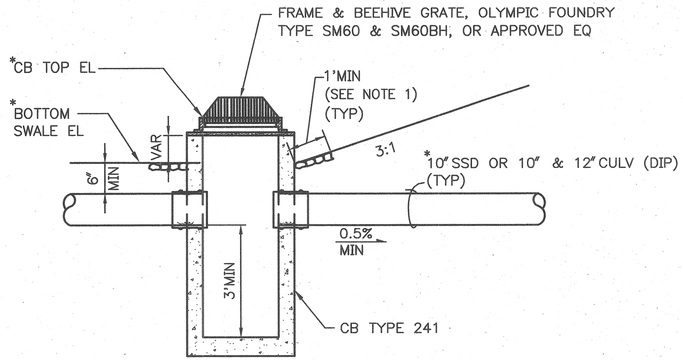
SCALE: ½" = 1'-0"

NOTES:

* SEE PROFILE

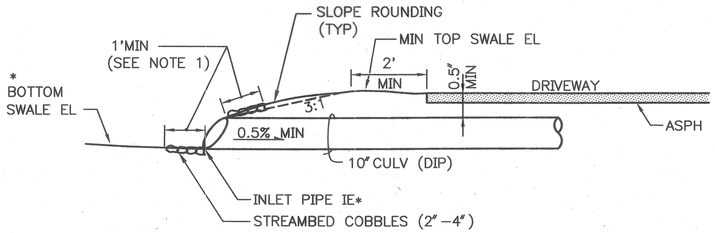
** SEE GENERAL NOTES FOR SLOT SIZES

1. ROUNDED RIVER ROCK SHALL BE PLACED SUCH THAT IT ARMORS A 1-FOOT MINIMUM RADIUS AS MEASURED FROM OUTSIDE PIPE DIAMETER OR BEHIVE GRATE.
2. 3H:1V SLOPE BEYOND SHALL TRANSITION TO TRENCH DRAIN SIDE WALLS. EITHER SIDE SLOPES SHALL NOT EXCEED 1:1.
3. ALL BERM GRADING SHALL BE WITHIN STREET R/W UNLESS ADJUSTMENTS TO PRIVATE PROPERTY ARE IDENTIFIED ON PLAN.
4. 3:1 SLOPE UNLESS OTHERWISE INDICATED ON PLAN
5. MINIMUM TOP OF BERM WIDTH FOR 2ND AVE NW SHALL BE 6".
6. DRIVEWAY SHOULDERS ARE 2-FEET WIDE. WALKWAY SHOULDERS ARE 1-FOOT WIDE



CB TYPE 241, MOD (3) 27

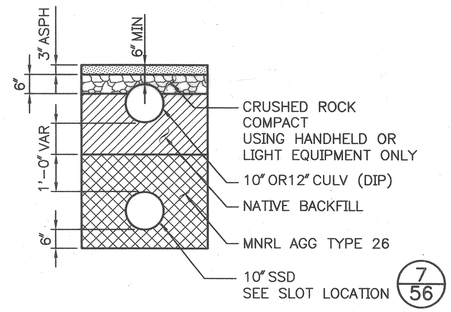
SCALE: ½" = 1'-0"



PIPE INLET B (4) 19,27,33,40

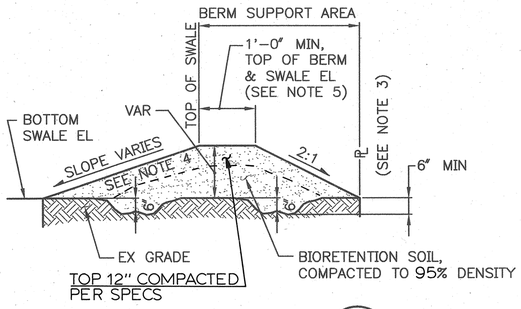
SCALE: ½" = 1'-0"

FOR USE ON SWALES WITH 0% SWALE BOTTOM AREA



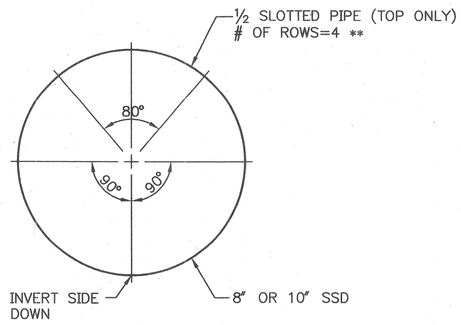
SSD W/ CULV BEDDING (5) TYP

SCALE: ½" = 1'-0"



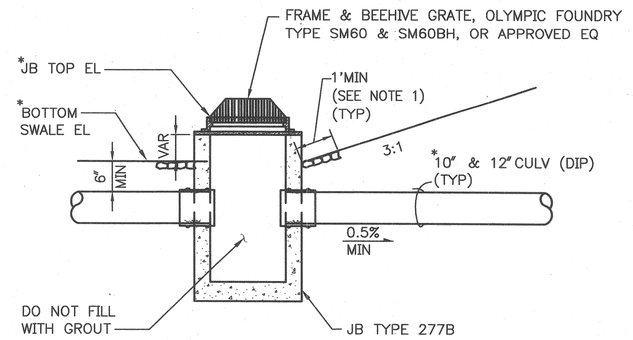
EARTH BERM (6) 19,27,33,40

SCALE: ½" = 1'-0"



SLOT LOCATION DETAIL (7) 54

N.T.S.



JB TYPE 277B, MOD (8) 40

SCALE: ½" = 1'-0"

VAULT SERIAL NO. 34213

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

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED RQ. 5/22/03	REVIEWED:
CHECKED mhL	DES. CONST.
DRAWN JCV	SDOT PROJ. MGR.
CHECKED LMJT	RECEIVED
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTIN 0-02.3 OF THE PROJECT MANUAL.	REVISED AS BUILT

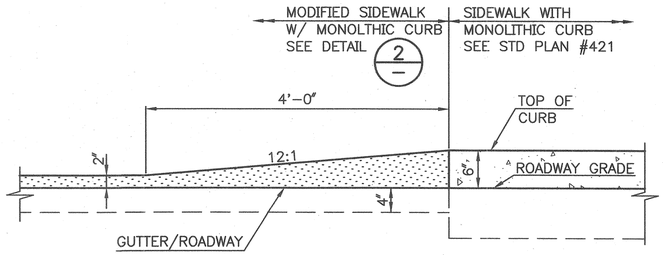
GLENN C. HASEGAWA — STATE OF WASHINGTON — 20156 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

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

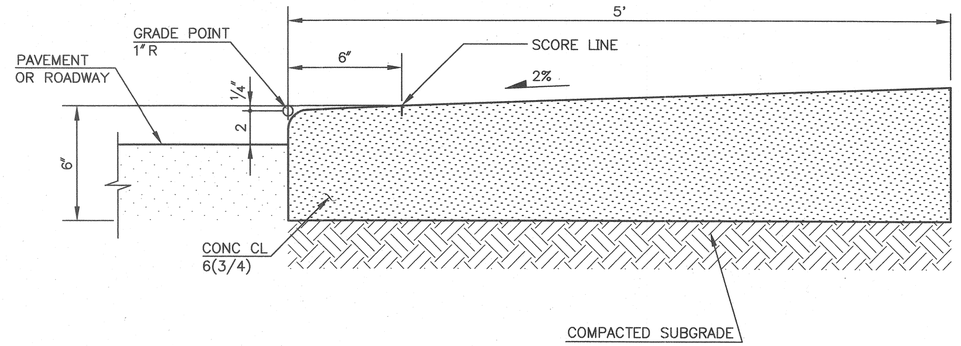
SEA STREET DRAINAGE DETAILS

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 56 OF 59



DETAIL 1
CURB HEIGHT TRANSITION
SCALE: 1" = 1'-0"



DETAIL 2
MODIFIED CONC WALK
W/ MONOLITHIC CURB
SCALE: 3" = 1'-0"

PAVING DETAILS

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34213						

P:\STREET\TWD9041\PAVDETAILS.DWG

City of Seattle
Seattle Department of Transportation

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED ARY	REVIEWED:
CHECKED LMST 5/20/03	DES. RTR CONST.
DRAWN	SDOT PROJ. MGR.
CHECKED	RECEIVED
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTN 0-02.3 OF THE PROJECT MANUAL.	REVISED AS BUILT

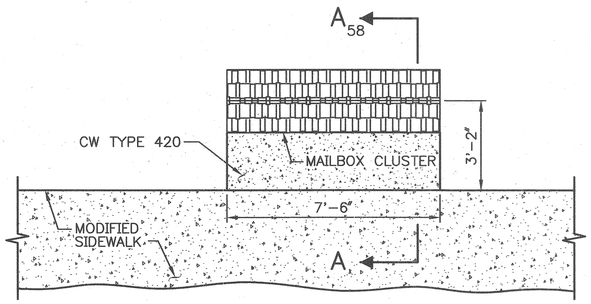
MICHAEL C. JOHNS
STATE OF WASHINGTON
24616
REGISTERED PROFESSIONAL ENGINEER
5/21/03
EXPIRES 03/19/2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

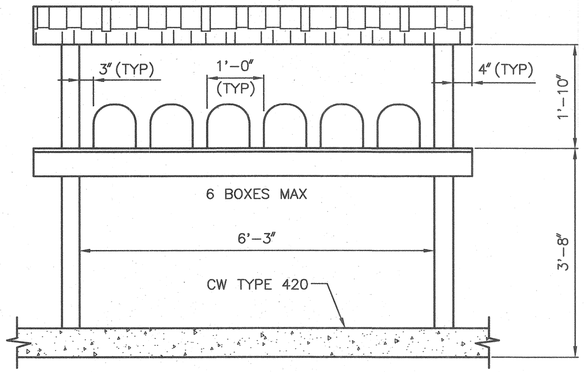
ORDINANCE NO. APPROVED
FUND:
SCALE: AS NOTED INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 57 OF 59



PLAN
SCALE: 3/8" = 1'-0"

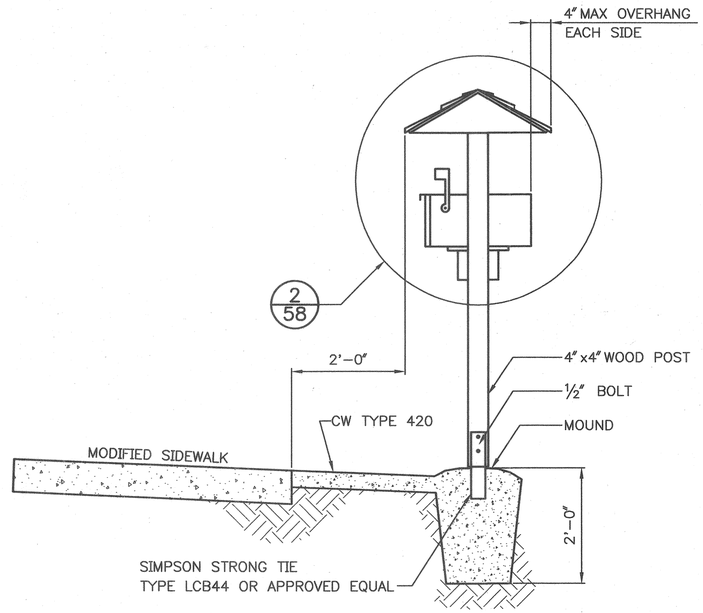


ELEVATION
SCALE: 3/4" = 1'-0"

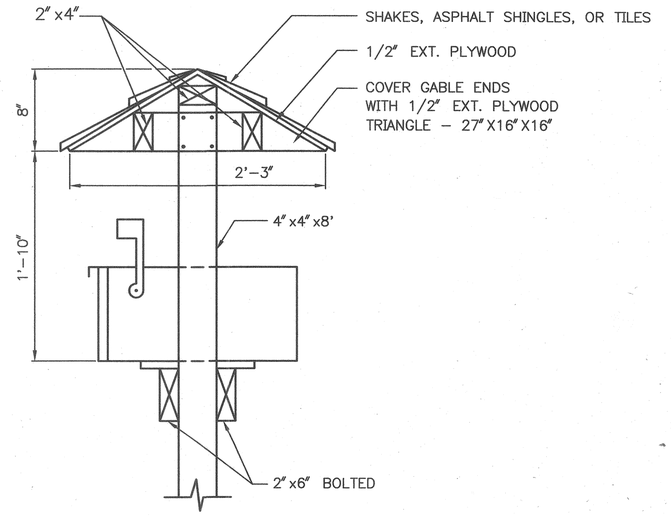
CLUSTER MAILBOX 1 / 23,30,36,43

NOTE:

1. FOR MAILBOX CLUSTER LOCATION SEE PAVING PLAN SHEETS.
2. WOOD POSTS SHALL BE PRESSURE TREATED FIR OR HEMLOCK.



SECTION A-A 58
SCALE: 3/4" = 1'-0"



DETAIL 2 / 58
SCALE: 1 1/2" = 1'-0"

MAILBOX DETAILS

VAULT SERIAL NO. 34213
DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED 5/22/03	REVIEWED: DES. CONST. SDOT PROJ. MGR.
CHECKED	RECEIVED
DRAWN JCJ	REVISED AS BUILT
CHECKED LMJT	

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

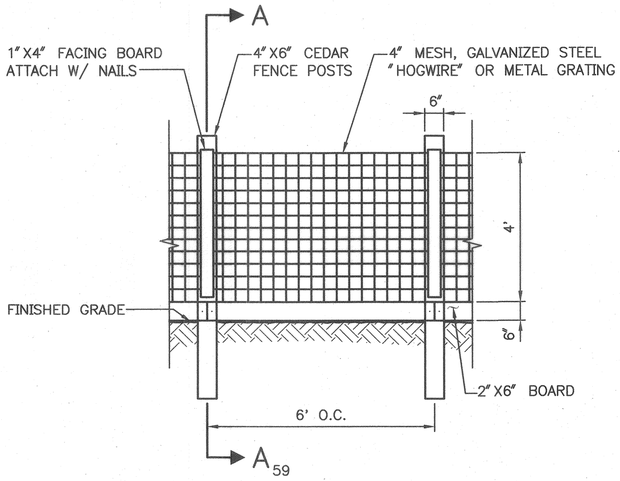
CLARK J. HASCHAK STATE OF WASHINGTON 20158 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 06-17-2004

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE:AS SHOWN
APPROVED
INSPECTOR'S BOOK

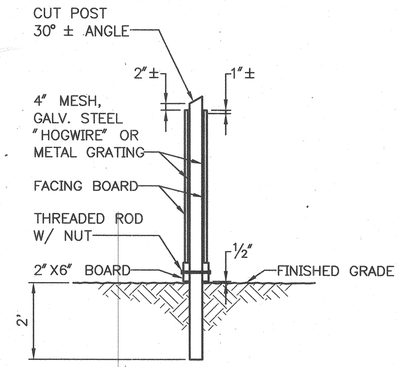
BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO. PC C300329 R/W CO C300329
VAULT PLAN NO. 777-580
SHEET 58 OF 59



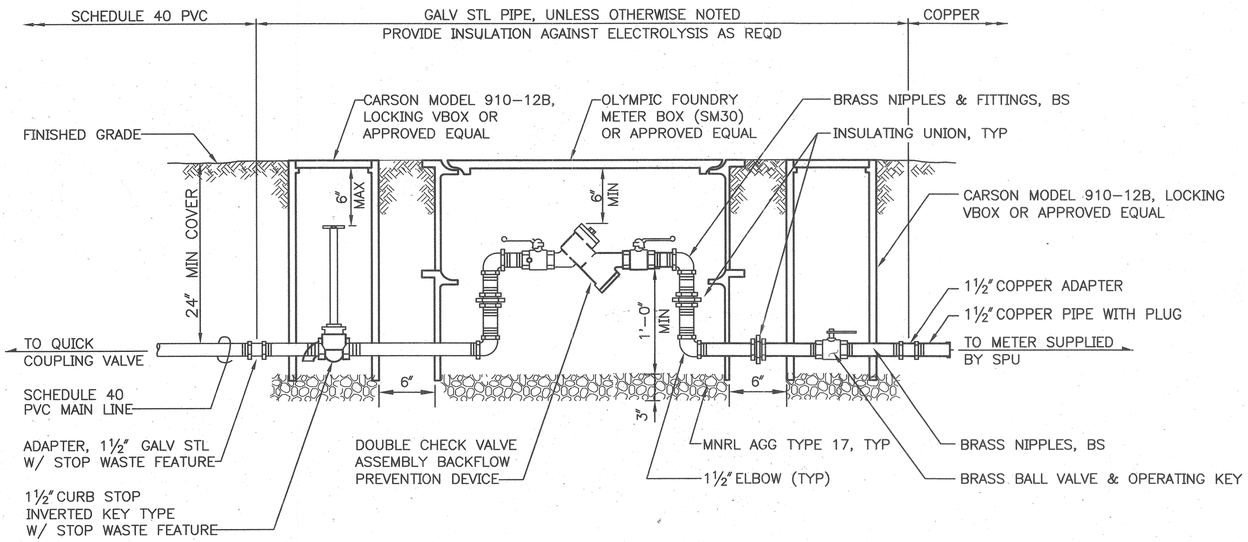
COMPOST FENCE 1 TYP

SCALE: ½" = 1'-0"



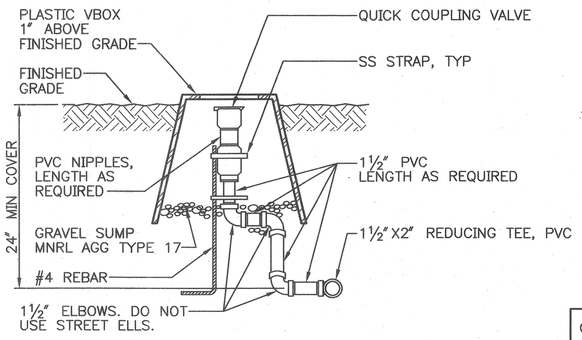
SECTION A–A 59

SCALE: ½" = 1'-0"



POINT OF CONNECTION 2 16,17

N.T.S.



QUICK COUPLING VALVE 3 16,17

N.T.S.

NOTE:

1. THE SYSTEM SHALL HAVE A ¾" 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.

NOTE:

CONTRACTOR SHALL PROVIDE COLORED TACK IN PAVEMENT CLOSEST TO AND OPPOSITE ALL QUICK COUPLING VALVES TO ASSIST WITH FUTURE LOCATING.

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
SHANEE DONALD
CERTIFICATE NO. 473

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
500–1¼"	○	WILKING; 1¼" PRESSURE REDUCING VALVE
		1½" STOP AND WASTE VALVE
44NP (1")	●	RAIN BIRD; 1" QUICK COUPLING VALVE
44K		RAIN BIRD; QUICK COUPLING KEY
SH–1		RAIN BIRD; SWIVEL HOSE ELL (1"x¾")

1 SEE SHEETS 16 & 17
INFRASTRUCTURE NOT REPRESENTED IN SYMBOL FORM ON PLAN SHALL BE LOCATED PER FIELD DIRECTION BY THE ENGINEER.

IRRIGATION DETAILS

NATURE REVISIONS	MARK	DATE	MADE	CHK'D	REV'D

VAULT SERIAL NO. 34213

APPROVED FOR ADVERTISING
KENNETH J. NAKATSU
DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
DESIGNED	
CHECKED	5/20/03
DRAWN	JCJ
CHECKED	LMJT

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

INITIALS AND DATE	
REVIEWED: DES.	CONST.
SDOT	PROJ. MGR.
RECEIVED	
REVISED AS BUILT	

CLARK K. HASHIMOTO
STATE OF WASHINGTON
20158
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 08-17-2004

Seattle Public Utilities
ORDINANCE NO.
FUND:
SCALE: NOTED

City of Seattle
Chuck Clarke, Director
APPROVED
INSPECTOR'S BOOK

BROADVIEW GREEN GRID
4TH AVE NW TO PHINNEY AVE N

JOB NO.
PC C300329
R/W
CO C300329

VAULT PLAN NO.
777–580

SHEET 59 OF 59