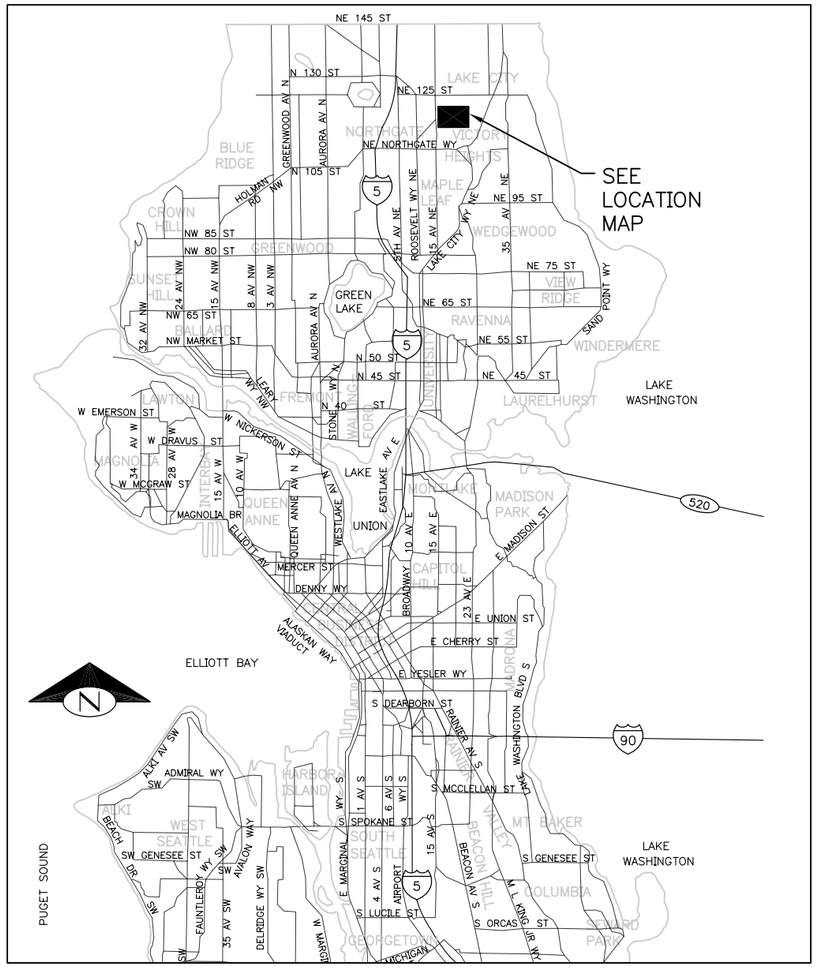


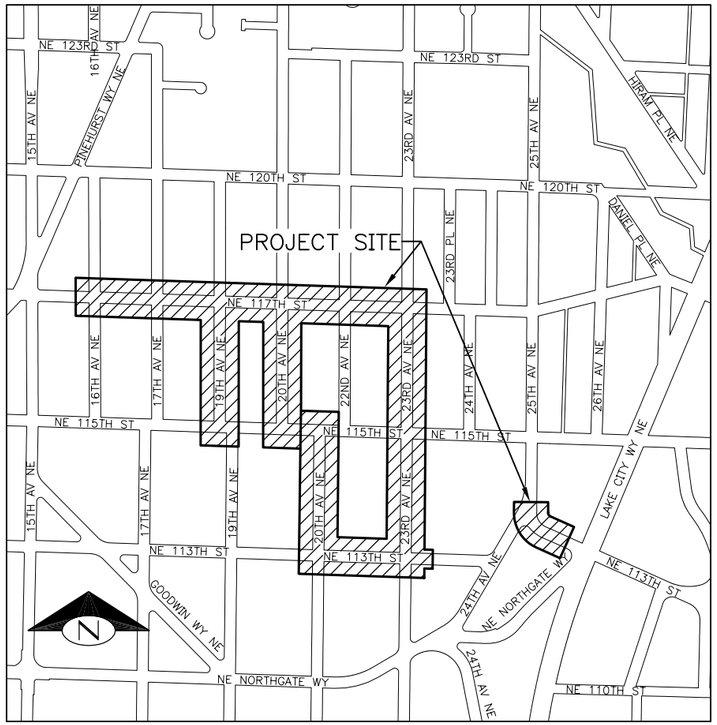
VICINITY MAP

1 0 1 2

SCALE: 1″ = 1 MILE

H: NAD 83/91 (GPS)
V: NAVD-88

CITY DATUM/NAVD88 DIFFERENCE:
THE CITY OF SEATTLE DATUM IS 9.7 FEET LOWER THAN NAVD-88



LOCATION MAP

SCALE: 1″ = 400'

DETAIL & 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	PROJECT VICINITY & LOCATION MAP, DETAIL & SECTION REFERENCING, SURVEY DATUM BLOCK & SHEET INDEX
2	DRAINAGE, GRADING, PAVING, WATER & T.E.S.C. NOTES
3	SOIL INVESTIGATION LOCATIONS
4	TESC PLAN (TYP) INFORMATIONAL ONLY
5	19TH AVE NE – REMOVAL, RELOCATE & PROTECTION PLAN
6	19TH AVE NE – DRAINAGE PLAN
7	19TH AVE NE – DRAINAGE PROFILE
8	19TH AVE NE – PAVING PLAN
9	19TH AVE NE – PAVING PROFILE
10	19TH AVE NE – LANDSCAPING PLAN
11	20TH AVE NE (NE 117TH/NE 115TH ST) – REMOVAL, RELOCATE & PROTECTION PLAN
12	20TH AVE NE (NE 117TH/NE 115TH ST) – DRAINAGE PLAN
13	20TH AVE NE (NE 117TH/NE 115TH ST) – DRAINAGE PROFILE
14	20TH AVE NE (NE 117TH/NE 115TH ST) – PAVING PLAN
15	20TH AVE NE (NE 117TH/NE 115TH ST) – PAVING PROFILE
16	20TH AVE NE (NE 117TH/NE 115TH ST) – LANDSCAPING PLAN
17	20TH AVE NE (NE 115TH/NE 113TH ST) – REMOVAL, RELOCATE & PROTECTION PLAN
18	20TH AVE NE (NE 115TH/NE 113TH ST) – DRAINAGE PLAN
19	20TH AVE NE (NE 115TH/NE 113TH ST) – DRAINAGE PROFILE
20	20TH AVE NE (NE 115TH/NE 113TH ST) – PAVING PLAN
21	20TH AVE NE (NE 115TH/NE 113TH ST) – PAVING PROFILE
22	20TH AVE NE (NE 115TH/NE 113TH ST) – LANDSCAPING PLAN
23–24	23RD AVE NE – REMOVAL, RELOCATE & PROTECTION PLAN 1/2 & 2/2
25–26	23RD AVE NE – DRAINAGE PLAN 1/2 & 2/2
27–28	23RD AVE NE – DRAINAGE PROFILE 1/2 & 2/2
29	23RD AVE NE (NE 117TH/NE 115TH ST) – PAVING PLAN 1/2
30	23RD AVE NE (NE 115TH/NE 113TH ST) – PAVING PLAN 2/2
31	23RD AVE NE (NE 117TH/NE 115TH ST) – PAVING PROFILE 1/2
32	23RD AVE NE (NE 115TH/NE 113TH ST) – PAVING PROFILE 2/2
33–34	23RD AVE NE – LANDSCAPING PLAN 1/2 & 2/2
35	NE 113TH ST – REMOVAL, RELOCATE & PROTECTION PLAN
36	NE 113TH ST – DRAINAGE PLAN
37	NE 113TH ST – DRAINAGE PROFILE
38	NE 113TH ST – PAVING PLAN
39	NE 113TH ST – PAVING PROFILE
40	NE 113TH ST – LANDSCAPING PLAN
41–42	NE 117TH ST – REMOVAL, DRAINAGE, & PAVING PLAN 1/2 & 2/2
43–44	NE 117TH ST – DRAINAGE PROFILE 1/2 & 2/2
45–46	NE 117TH ST – LANDSCAPING PLAN 1/2 & 2/2
47–49	DRAINAGE DETAILS
50–52	PAVING CROSS SECTIONS 1/3, 2/3 & 3/3
53	PAVING, STAIRWAY, AND HANDRAIL DETAILS
54	MAILBOX DETAILS
55	25TH AVE NE – REMOVAL & DRAINAGE DETAILS
56	25TH AVE NE – DRAINAGE PLAN & PROFILE

MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. 34459

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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	DES. CONST. GJS
DRAWN CDI 4/12/2006	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2005	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.

MASAO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, DIrector

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

PROJECT VICINITY & LOCATION MAP, DETAIL & SECTION REFERENCING, SURVEY DATUM BLOCK & SHEET INDEX

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 1 OF 56

GENERAL NOTES
UNLESS OTHERWISE NOTED:

1. WORK SHALL PROGRESS IN FOUR PHASES AS DETAILED BELOW (SEE SPEC):
   PHASE 1 – 19TH AVE NE AND 23RD AVE NE, NORTH OF NE 115TH ST;
   PHASE 2 – 20TH AVE NE, NORTH OF NE 115TH ST AND 23RD AVE NE, SOUTH OF NE 115TH ST;
   PHASE 3 – 20TH AVE NE, SOUTH OF NE 115TH ST AND NE 113TH ST,
   BETWEEN 20TH AVE NE AND 23RD AVE NE;
   PHASE 4 – NE 117TH ST BETWEEN 16TH AVE NE AND 23RD AVE NE

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 SHALL USE CLASS C BEDDING WHEN CROSSING UNDER PAVEMENT AND SHOULDER AREAS. 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.
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. ALL EXCAVATION ADJACENT TO CITY LIGHT POLES OR OTHER INSTALLATIONS SHALL COMPLY WITH WASHINGTON ADMINISTRATIVE CODE (WAC), SAFETY STANDARD FOR CONSTRUCTION WORK, PART N. SITE SAFETY PROCEDURES AND EXCAVATION PROTECTIVE SYSTEM SHALL SPECIFICALLY COMPLY WITH WAC 296-155-650, EXCAVATION, TRENCHING AND SHORING.
11. PVC PIPE AND FITTINGS SHALL BE PER ASTM D 1785, SCH 40 WITH EITHER RUBBER GASKETT JOINTS OR SOLVENT WELDED JOINTS. PVC PSS AND PSD PIPES SHALL BE TESTED FOR EXCESSIVE DEFLECTION WITH A MANDREL PER SECTION 7-17.3(4) OF THE SPECIFICATIONS.
12. STRUCTURE STATIONING ON PLAN VIEWS MEASURED FROM RIGHT-OF-WAY CENTERLINE TO CENTER OF STRUCTURE.
13. 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.

LANDSCAPING NOTES
UNLESS OTHERWISE NOTED:

1. 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.
2. SWALE LOCATIONS SHOWN ON LANDSCAPING PLANS ARE FOR INFORMATION ONLY. CONTRACTOR SHOULD REFER TO DRAINAGE PLANS FOR SWALE LOCATIONS.

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. ALL BERMS ARE 2.5:1 SLOPE MIN. UNLESS OTHERWISE NOTED.
8. GRADING WITHIN SWALES SHALL BE 3:1 UNLESS OTHERWISE NOTED.

WATER NOTES
UNLESS OTHERWISE NOTED:

1. THE CONTRACTOR SHALL MAKE ALL NECESSARY EXCAVATIONS, SHORINGS, AND BACKFILLS, AND PROVIDE ANY EQUIPMENT AND OPERATORS REQUIRED FOR MOVING AND LOWERING THE COMPONENT PARTS OF SPU CREW WORK ON WATER MAINS INTO POSITION (INCLUDING CONNECTIONS, SERVICE TRANSFERS AND HYDRANTS). THE CONTRACTOR SHALL ALSO PROVIDE ALL TRAFFIC CONTROL FOR ANY SPU CREW WORK. THE CONTRACTOR SHALL DO ALL TEMPORARY AND PERMANENT BLOCKING. IN SOME CASES, THIS WORK WILL NEED TO BE COMPLETED ON SATURDAYS OR OFF-HOURS.
2. WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SHALL BE BY SPU WATER CREWS. FOR WATER METER AND SERVICE WORK CONTACT DAVE GUARIN AT (206) 386-1827, 10 DAYS PRIOR TO ESTABLISHMENT OF ROUGH GRADE WITHIN THE TWO-FOOT ROAD SHOULDER (SEE SPECS). FOR HYDRANT ADJUSTMENTS AND RELOCATIONS CONTACT DAN ENRICO, (206) 233-7184, 15 DAYS PRIOR TO CONSTRUCTION.
3. SHEAR PADS SHALL BE PLACED AROUND ALL EXISTING AND PROPOSED WATER HYDRANTS. SEE CITY OF SEATTLE STD. PLAN #311.
4. IN THE OFFICIAL CONSTRUCTION SCHEDULE THE CONTRACTOR SHALL ALLOW 3-DAYS PER CONSTRUCTION BLOCK FOR SPU WATER CREWS TO PERFORM SERVICE WORK. PLEASE CONTACT DAVE GUARIN AT (206) 386-1827 TO COORDINATE.
5. THE CONTRACTOR SHALL NOT DAMAGE, REPAIR, ALTER, DISMANTLE OR OPERATE ANY SPU WATER MAINS, SERVICES, HYDRANTS, TEST STATIONS OR VALVES. WORK TO BE PERFORMED BY SPU, THE CONTRACTOR SHALL CONTACT DAN ENRICO AT (206) 233-7184 15 DAYS IN ADVANCE TO ARRANGE FOR SCHEDULING THE WORK.

GAS NOTES
UNLESS OTHERWISE NOTED:

1. CONTRACTOR TO COORDINATE TIMING OF GAS MAIN AND SURVICE RELOCATION WITH TOM BROBST, PSE, (360) 394-6635.
2. CONTRACTOR SHALL ADJUST VALVES TO NEW GRADE AS NEEDED.

PAVING NOTES
UNLESS OTHERWISE NOTED:

1. ALL WORK SHALL CONFORM TO THE 2003 CITY OF SEATTLE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION; THE CITY OF SEATTLE STANDARD PLANS, 2003 EDITION; AND SEATTLE DEPARTMENT OF TRANSPORTATION, DIRECTOR'S RULE 2004-02 VERSION FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
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. FOR CONCRETE STEPS WITH LESS THAN 4 RISERS, SEE STANDARD PLAN 441.
10. CONTRACTOR SHALL NOTIFY ENGINEER AT LEAST 48 HOURS IN ADVANCE FOR SOIL COMPACTION. AFTER SOIL COMPACTION TESTING AND OBTAINMENT OF IN-PLACE SOIL SAMPLES, 48 HOURS WILL BE REQUIRED TO PROCESS SAMPLES. CONTRACTOR SHALL NOT PROCEED WITH SUBSEQUENT RELATED WORK INCLUDING PAVING UNTIL ACCEPTABLE TEST RESULTS ARE OBTAINED. ANY COSTS ASSOCIATED WITH DELAYS AS RESULT OF NON-COMPLIANCE WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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; EPOXY COATED, 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.

SURVEY NOTES
UNLESS OTHERWISE NOTED:

1. STATIONING AND OFFSETS ON DRAINAGE PLAN AND PROFILES ARE RELATIVE TO SURVEY MONUMENT ALIGNMENT.
2. STATIONING AND OFFSETS ON PAVING PLAN AND PROFILES ARE RELATIVE TO PROPOSED ROADWAY CONSTRUCTION CENTERLINE.
3. ALL PROPERTY CORNER'S WITHIN THE PROJECT AREA SHALL BE REFERENCED OUT BY A SPU LAND SURVEYOR.

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

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

VAULT SERIAL NO. 34459

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

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

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST. GJS
DRAWN CDI 4/12/2005	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2005	RECEIVED
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.	REVISED AS BUILT

MASAKO HIRANO, 31234, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE: NONE
APPROVED
INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 2 OF 56

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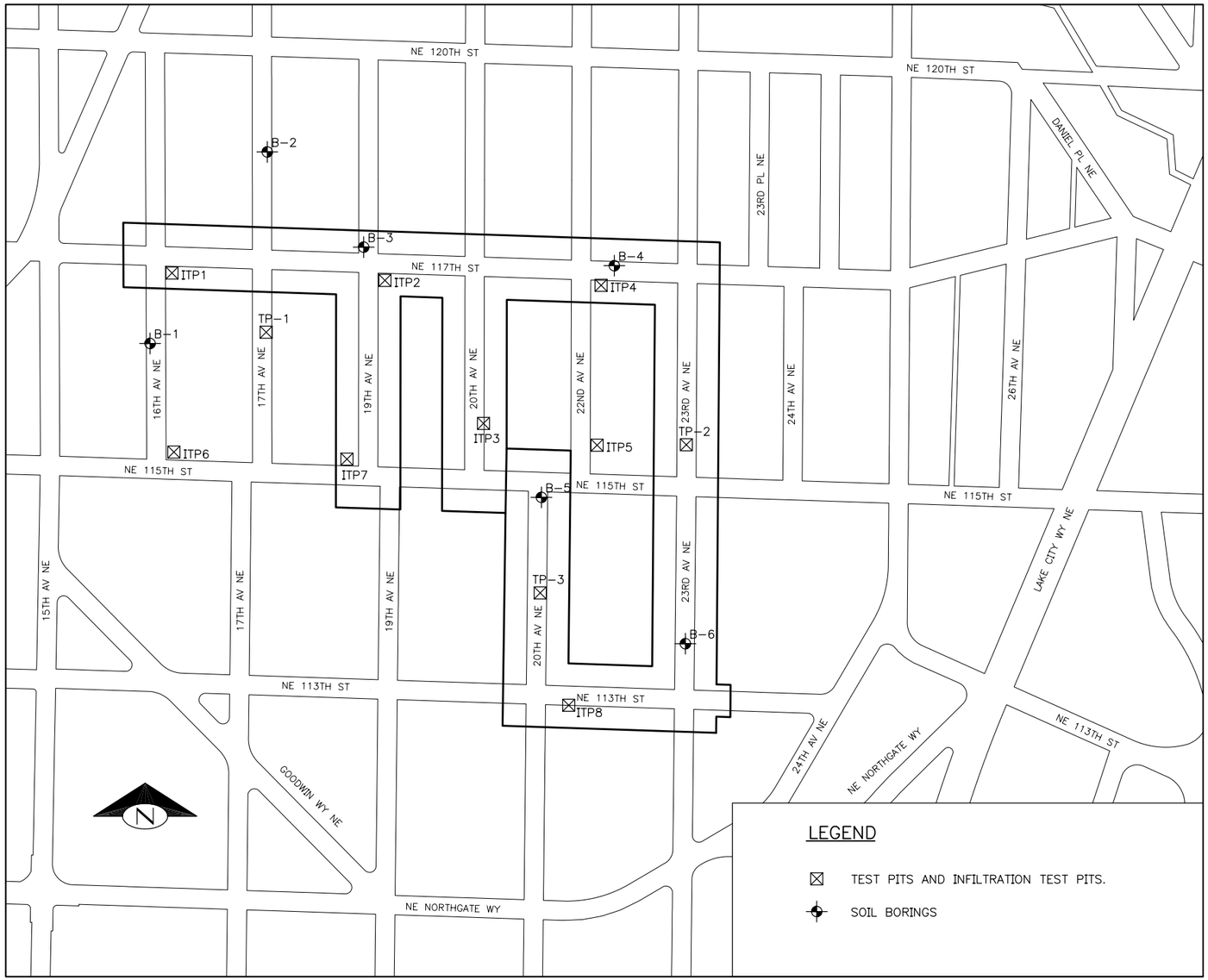

SOIL INVESTIGATION LOCATIONS

NOTE:

SOIL BORING LOGS ARE INCLUDED IN THE APPENDIX OF THE PROJECT MANUAL. A GEOTECH REPORT IS AVAILABLE FOR REVIEW IN THE SPU RECORDS VAULT.

SOIL INVESTIGATION LOCATIONS

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459						

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DRAWN CCH 4/12/2005
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INITIALS AND DATE
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MASAKO HIRANO
STATE OF WASHINGTON
31234
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

PINEHURST GREEN GRID
NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 3 OF 56

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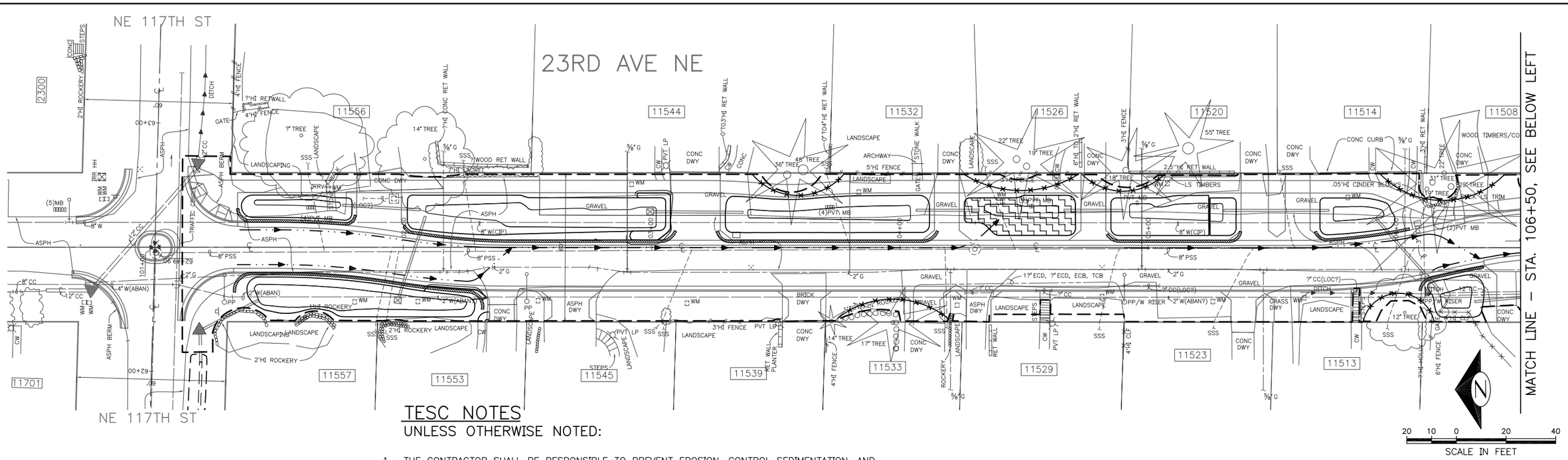

TESC NOTES

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 ANY CONSTRUCTION ACTIVITIES:

   * 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 AND SHALL IDENTIFY MEASURES FOR STABILIZATION AND MAINTENANCE (CLEAN–OUT) OF NEWLY CONSTRUCTED SWALE AREAS IF PROPOSED FOR USE TO SETTLE SEDIMENT. SWALES USED AS A TEMPORARY SEDIMENTATION CELL SHALL BE EXCAVATED FROM EX GROUND UP TO 1.5' DEEP.

   * 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. SEE SPECIFICATIONS FOR RESTORATION MEASURES IF SEDIMENT ENTERS SWALES.

   * 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 TEMPORARY WATER POLLUTION/ EROSION/ SEDIMENT CONTROL TECHNIQUES.

LEGEND

- INLET SEDIMENTATION TRAP
- FILTER FABRIC PROTECTION
- CONSTRUCTION ORANGE FENCE
- COIR ROLL OR TEMP EARTH BERM
- TEMPORARY SEDIMENTATION CELLS
- TEMPORARY DEPRESSION
- CLEAR AND GRUB LIMITS

INFORMATION ONLY
TESC PLAN (TYP)

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

VAULT SERIAL NO. 34459

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

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED
CHECKED
DRAWN CDH 4/12/2006
CHECKED TMR 4/12/2005

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

MASATO FUJIWARA — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 4 OF 56

P:\Utility\C333202_Control_Dwgs\Plot_Files\C333202_P04_TYP_TESC.dwg [PLAN X1] – lwang© Sep–15–05 8:

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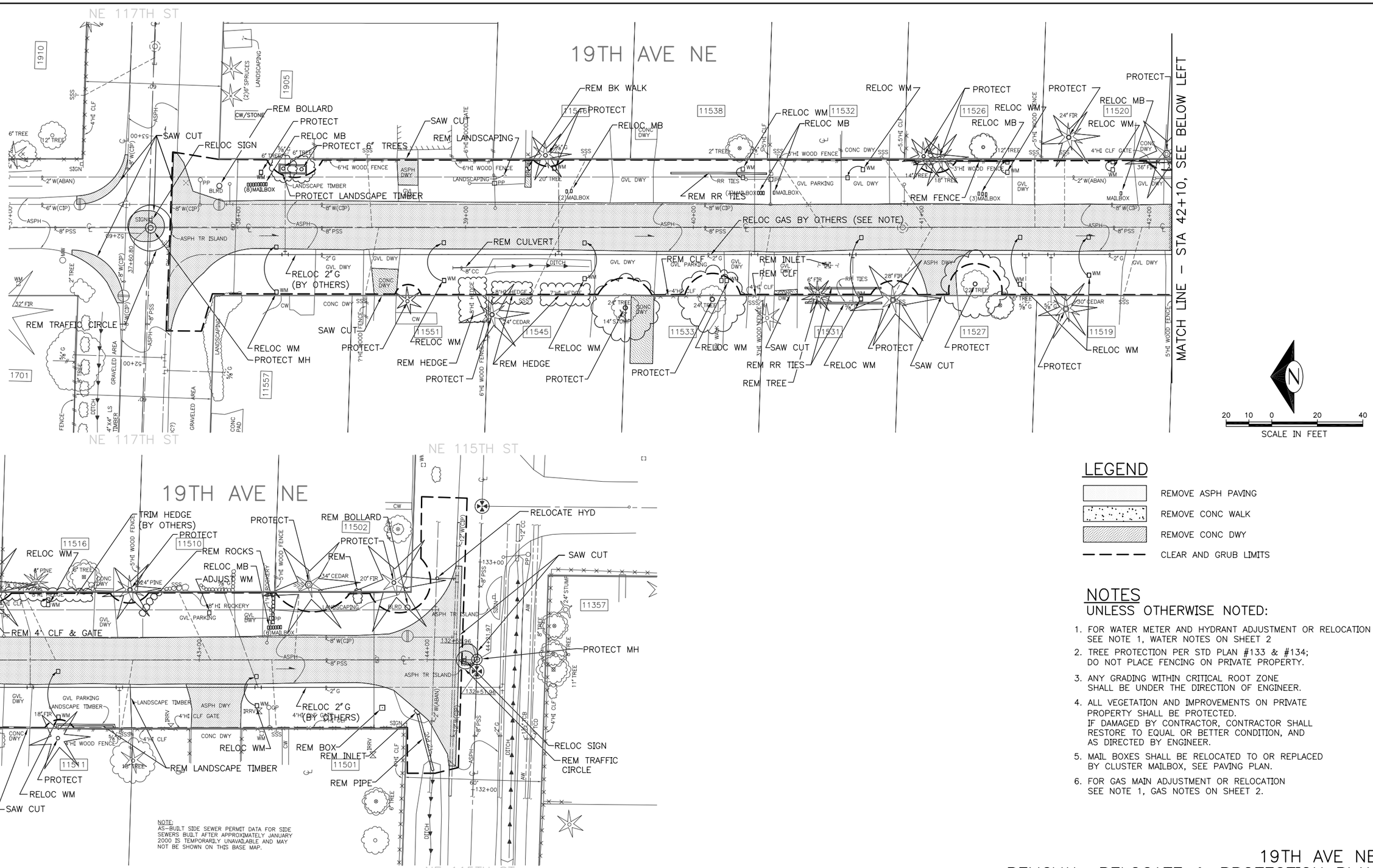

20 10 0 20 40
SCALE IN FEET

LEGEND

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

NOTES

UNLESS OTHERWISE NOTED:

1. FOR WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SEE NOTE 1, WATER NOTES ON SHEET 2
2. TREE PROTECTION PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY.
3. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
4. 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.
5. MAIL BOXES SHALL BE RELOCATED TO OR REPLACED BY CLUSTER MAILBOX, SEE PAVING PLAN.
6. FOR GAS MAIN ADJUSTMENT OR RELOCATION SEE NOTE 1, GAS NOTES ON SHEET 2.

19TH AVE NE
REMOVAL, RELOCATE & PROTECTION PLAN

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

VAULT SERIAL NO. 34459

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

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	
DESIGNED	
CHECKED	
DRAWN	CDI 4/12/2005
CHECKED	TMR 4/12/2005

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

MASATO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: H.= 20'

APPROVED
INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO

VAULT PLAN NO. 777-606

SHEET 5 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P05_19Ave_Rem.dwg [PLAN X1] - HwangC Sep-15-05 8:11am

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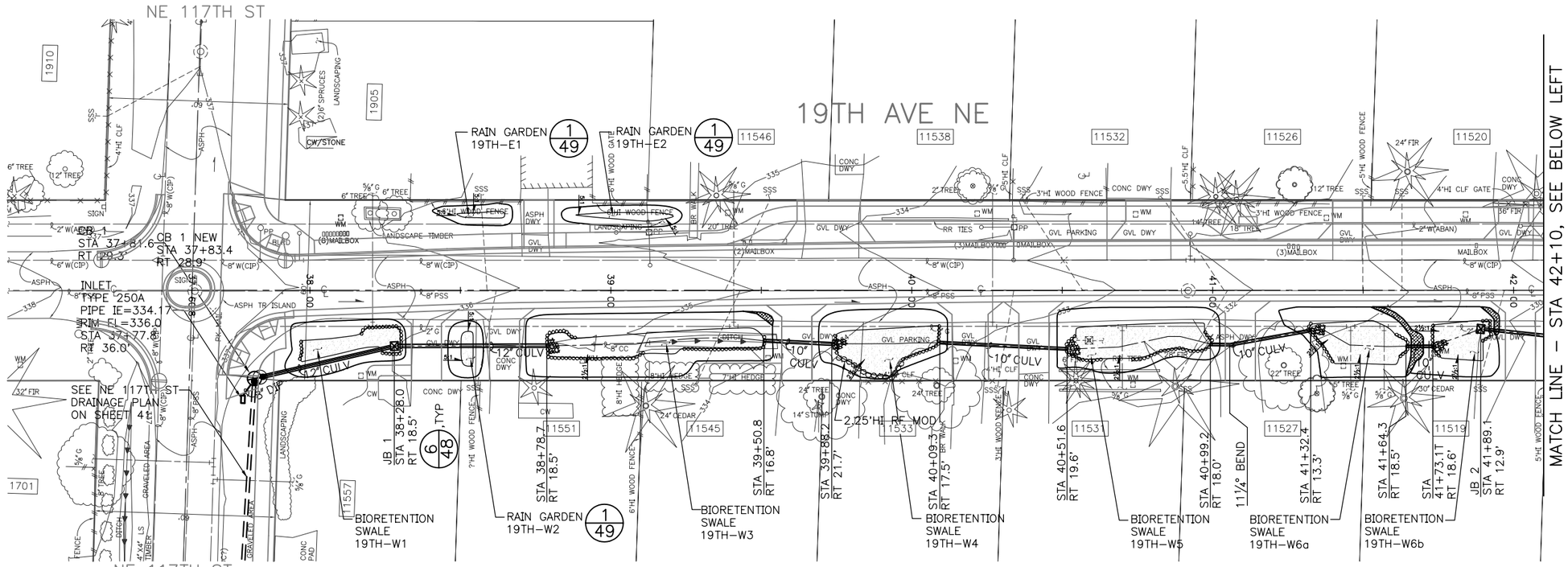

20 10 0 20 40
SCALE IN FEET

LEGEND:

- BIORETENTION SWALE/RAINGARDEN, 0% SLOPE SWALE BOTTOM, SEE (1/47) (1/49)
- BERM SUPPORT AREA, SEE EARTH BERM (5/48)
- FLOW LINE
- SWALE/RAIN GARDEN TOP & BOTTOM
- ROCK FACING, 1' HIGH (3/47)
- ROCK FACING, MOD (5/47)
- STREAMBED COBBLES, SEE PIPE INLET A (1/48), PIPE INLET B (3/48), PIPE OUTLET A (2/48), & PIPE OUTLET B (4/48)

19TH AVE NE
DRAINAGE PLAN

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

VAULT SERIAL NO. 34459

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
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CHECKED	DES. CONST. GJS
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EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 6 OF 56

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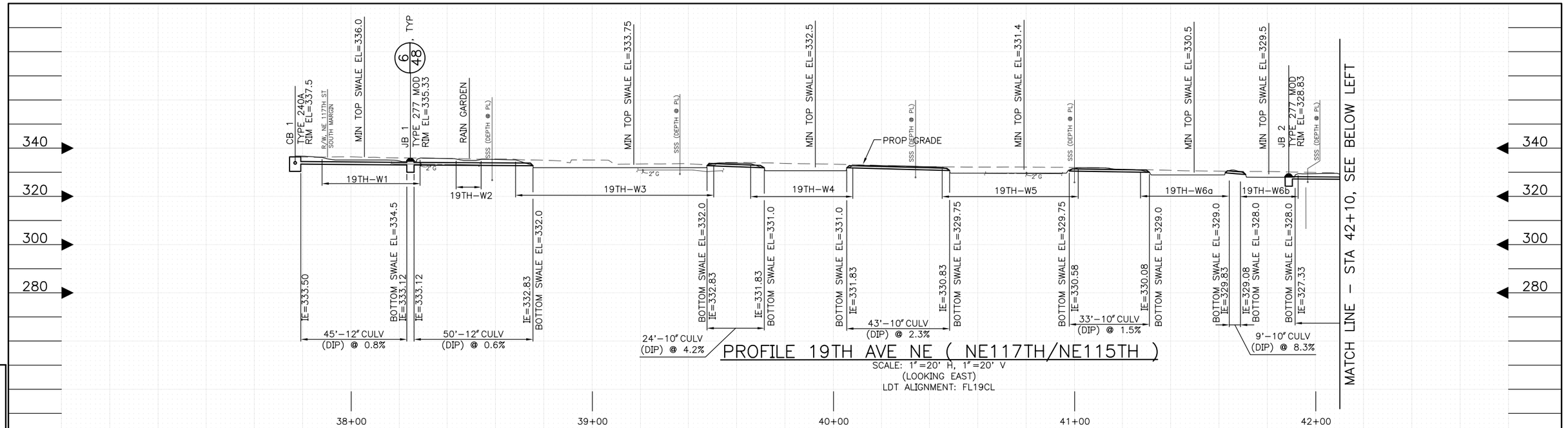
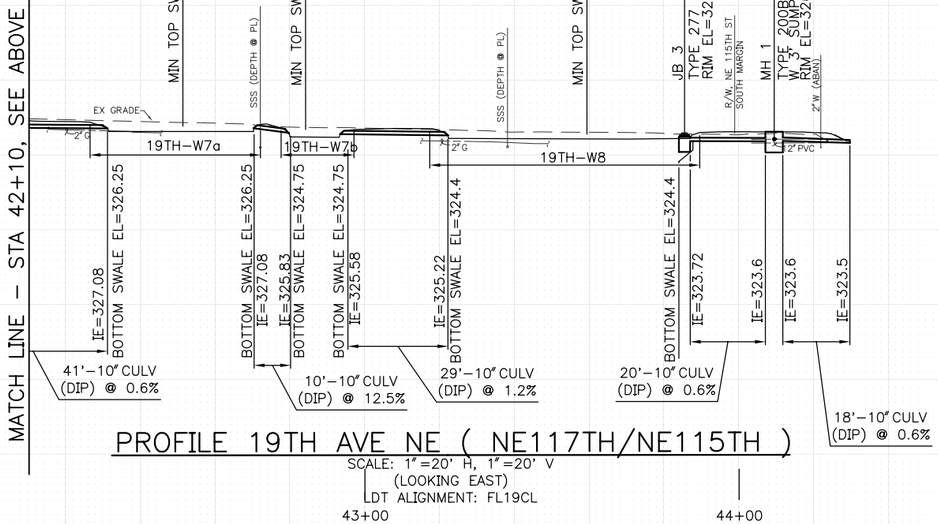


PROFILE 19TH AVE NE (NE117TH/NE115TH)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL19CL



PROFILE 19TH AVE NE (NE117TH/NE115TH)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL19CL

NOTES:

1. PROFILE VIEW DIMENSIONS SHOULD NOT BE USED FOR SCALING.
   PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.

19TH AVE NE
DRAINAGE PROFILE

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

VAULT SERIAL NO. 344459

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	DES. CONST. GJS
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MASATO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID
NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 7 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P07_19Ave_PR.dwg [PLAN X1] – HwangC Sep–15–06 8:4

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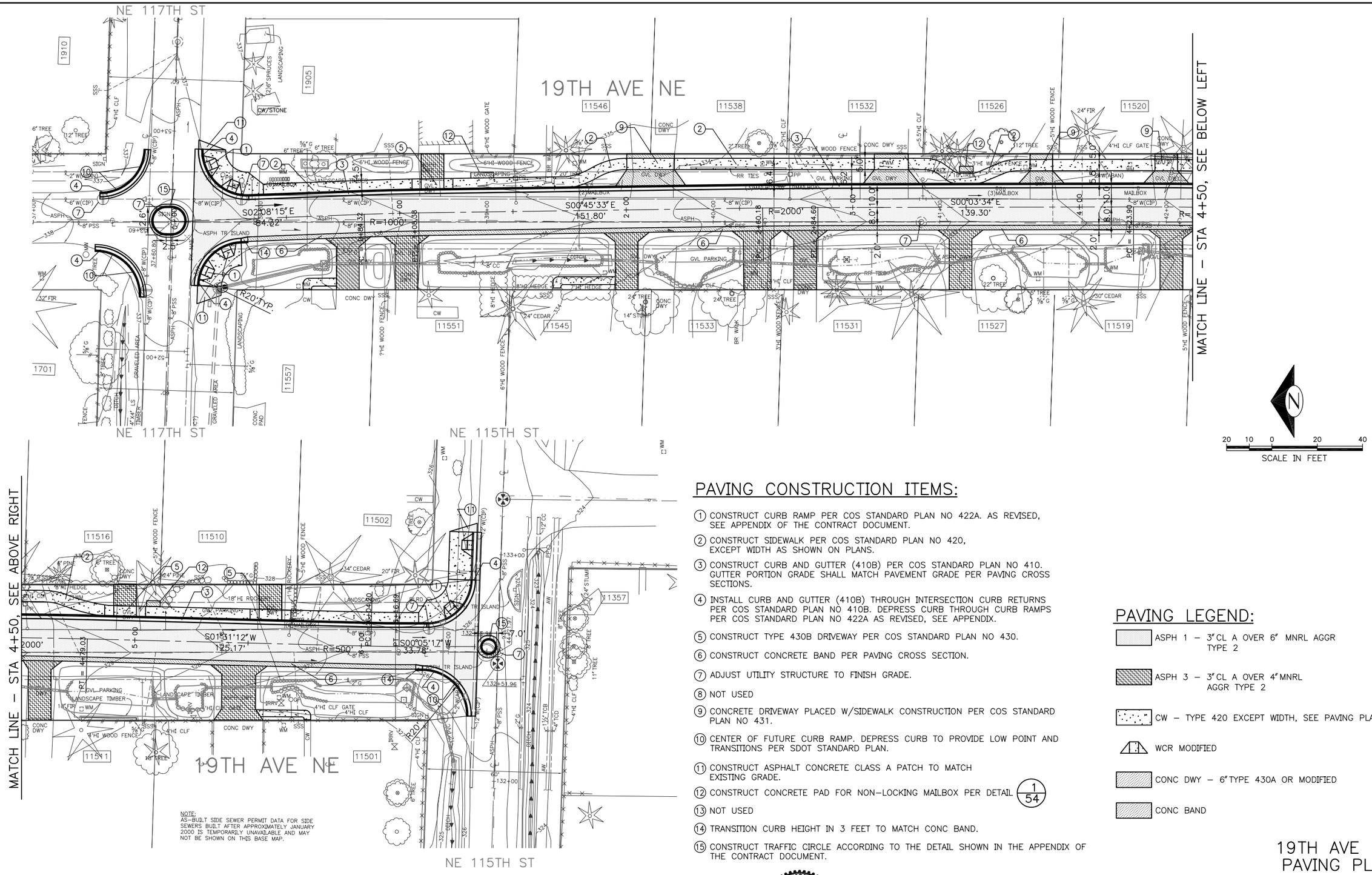

NOTE:
AS-BUILT SIDE SEWER PERMIT DATA FOR SIDE SEWERS BUILT AFTER APPROXIMATELY JANUARY 2000 IS TEMPORARILY UNAVAILABLE AND MAY NOT BE SHOWN ON THIS BASE MAP.

PAVING CONSTRUCTION ITEMS:

1. CONSTRUCT CURB RAMP PER COS STANDARD PLAN NO 422A. AS REVISED, SEE APPENDIX OF THE CONTRACT DOCUMENT.
2. CONSTRUCT SIDEWALK PER COS STANDARD PLAN NO 420, EXCEPT WIDTH AS SHOWN ON PLANS.
3. CONSTRUCT CURB AND GUTTER (410B) PER COS STANDARD PLAN NO 410. GUTTER PORTION GRADE SHALL MATCH PAVEMENT GRADE PER PAVING CROSS SECTIONS.
4. INSTALL CURB AND GUTTER (410B) THROUGH INTERSECTION CURB RETURNS PER COS STANDARD PLAN NO 410B. DEPRESS CURB THROUGH CURB RAMPS PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX.
5. CONSTRUCT TYPE 430B DRIVEWAY PER COS STANDARD PLAN NO 430.
6. CONSTRUCT CONCRETE BAND PER PAVING CROSS SECTION.
7. ADJUST UTILITY STRUCTURE TO FINISH GRADE.
8. NOT USED
9. CONCRETE DRIVEWAY PLACED W/SIDEWALK CONSTRUCTION PER COS STANDARD PLAN NO 431.
10. CENTER OF FUTURE CURB RAMP. DEPRESS CURB TO PROVIDE LOW POINT AND TRANSITIONS PER SDOT STANDARD PLAN.
11. CONSTRUCT ASPHALT CONCRETE CLASS A PATCH TO MATCH EXISTING GRADE.
12. CONSTRUCT CONCRETE PAD FOR NON-LOCKING MAILBOX PER DETAIL 1/54
13. NOT USED
14. TRANSITION CURB HEIGHT IN 3 FEET TO MATCH CONC BAND.
15. CONSTRUCT TRAFFIC CIRCLE ACCORDING TO THE DETAIL SHOWN IN THE APPENDIX OF THE CONTRACT DOCUMENT.

PAVING LEGEND:

- ASPH 1 – 3" CL A OVER 6" MNRL AGGR TYPE 2
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- CW – TYPE 420 EXCEPT WIDTH, SEE PAVING PLANS
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED
- CONC BAND

19TH AVE NE
PAVING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459						

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P08_19Ave_PV.dwg [PLAN X1] – HwangC Sep-15-05 8:41am

TETRA TECH/KCM
1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20
BY:
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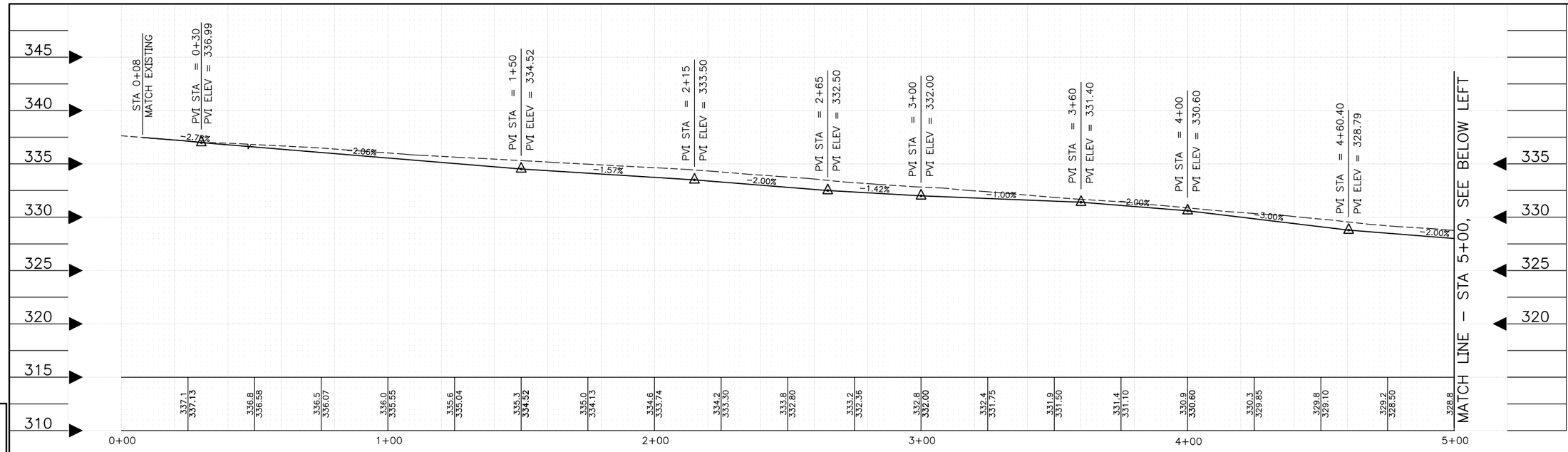
MARK HOPKINSON
STATE OF WASHINGTON
27612
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/11/

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

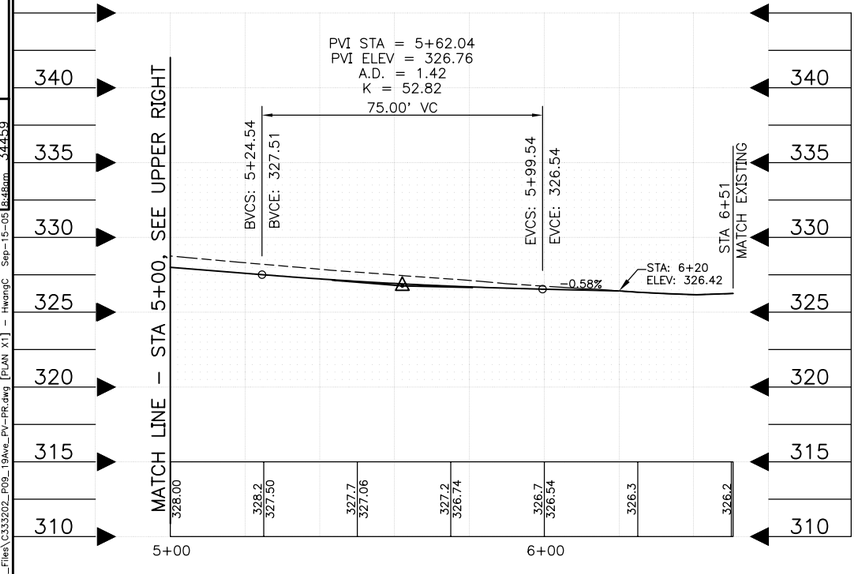
PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 8 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | C333202_Proj-View-Map | C333202_19THS_PV00 | C333202_19TH AVE_SD00 | C333202_Paving_Legend_1 |



PROPOSED ROADWAY CONSTRUCTION CENTERLINE PROFILE "PV19SCL"



CROSS SLOPE PERCENTAGES AND TRANSITION. SEE ROADWAY SECTIONS ON SHEET 50

PROJECT: C333202–LDT_19TH_CD, ALIGNMENT: PV19SCL

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+00.00	0+25.00	MATCH EXISTING	0+00.00	0+25	2%, TOWARDS STREET ALWAYS. SEE SPOT ELEVATIONS AT THE INTERSECTION.		
2, TOWARDS WEST SWALE	0+25	5+85.00	2, TOWARDS WEST SWALE	0+25	5+85			
2, TOWARDS WEST SWALE	5+86	6+20	TRANSITION FROM 2% TO SWALE TO 2% TO EAST SIDEWALK. SEE CROWN SECTION ON SHEET 50.	5+86	6+15			
			2, TOWARDS EAST SIDEWALK	6+15	6+20			

19TH AVE NE
PAVING PROFILE

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

NO.	DATE	MARK

VAULT SERIAL NO. 344459
e-Mailed: Sep-15-05 [PLAN X1] - HwongC

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1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

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MARK HOPKINSON
STATE OF WASHINGTON
27612
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EXPIRES 04/11/

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO. APPROVED
FUND:
SCALE: H: 1"=20' V: 1"=5' INSPECTOR'S BOOK

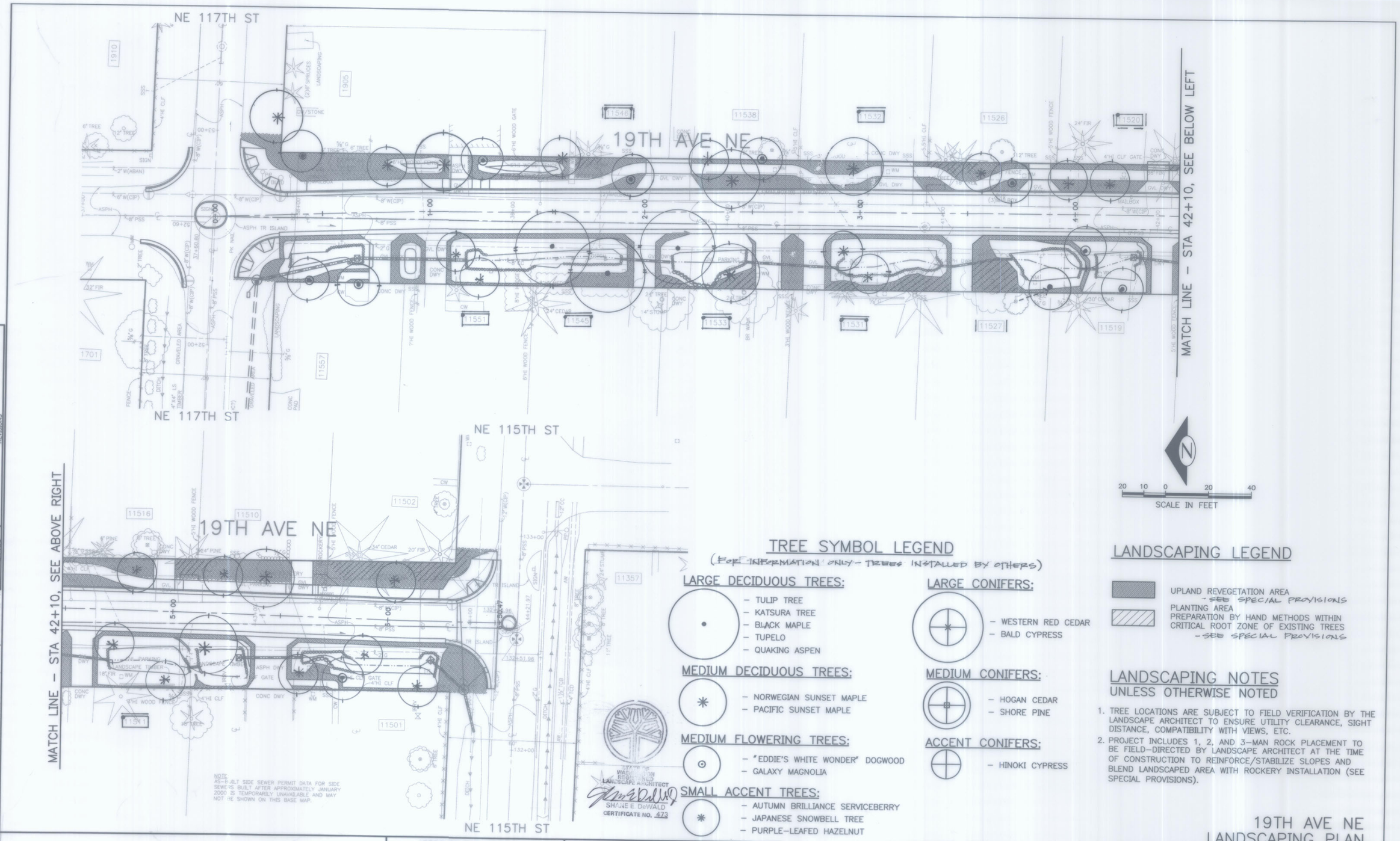
PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO

VAULT PLAN NO. 777–606

SHEET 9 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_19THS_PV_PR00 |



TREE SYMBOL LEGEND

(FOR INFORMATION ONLY – TREES INSTALLED BY OTHERS)

LARGE DECIDUOUS TREES:
- TULIP TREE
- KATSURA TREE
- BLACK MAPLE
- TUPELO
- QUAKING ASPEN

MEDIUM DECIDUOUS TREES:
- NORWEGIAN SUNSET MAPLE
- PACIFIC SUNSET MAPLE

MEDIUM FLOWERING TREES:
- "EDDIE'S WHITE WONDER" DOGWOOD
- GALAXY MAGNOLIA

SMALL ACCENT TREES:
- AUTUMN BRILLIANCE SERVICEBERRY
- JAPANESE SNOWBELL TREE
- PURPLE-LEAFED HAZELNUT

LARGE CONIFERS:
- WESTERN RED CEDAR
- BALD CYPRESS

MEDIUM CONIFERS:
- HOGAN CEDAR
- SHORE PINE

ACCENT CONIFERS:
- HINOKI CYPRESS

LANDSCAPING LEGEND

UPLAND REVEGETATION AREA – SEE SPECIAL PROVISIONS

PLANTING AREA PREPARATION BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES – SEE SPECIAL PROVISIONS

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.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED BY LANDSCAPE ARCHITECT AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION (SEE SPECIAL PROVISIONS).

19TH AVE NE
LANDSCAPING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459						

Property of City of Seattle
777-606-10

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

NAME OR INITIALS AND DATE
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DRAWN CCH 4/12/05
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Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE: H.= 20'
APPROVED
INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 10 OF 56

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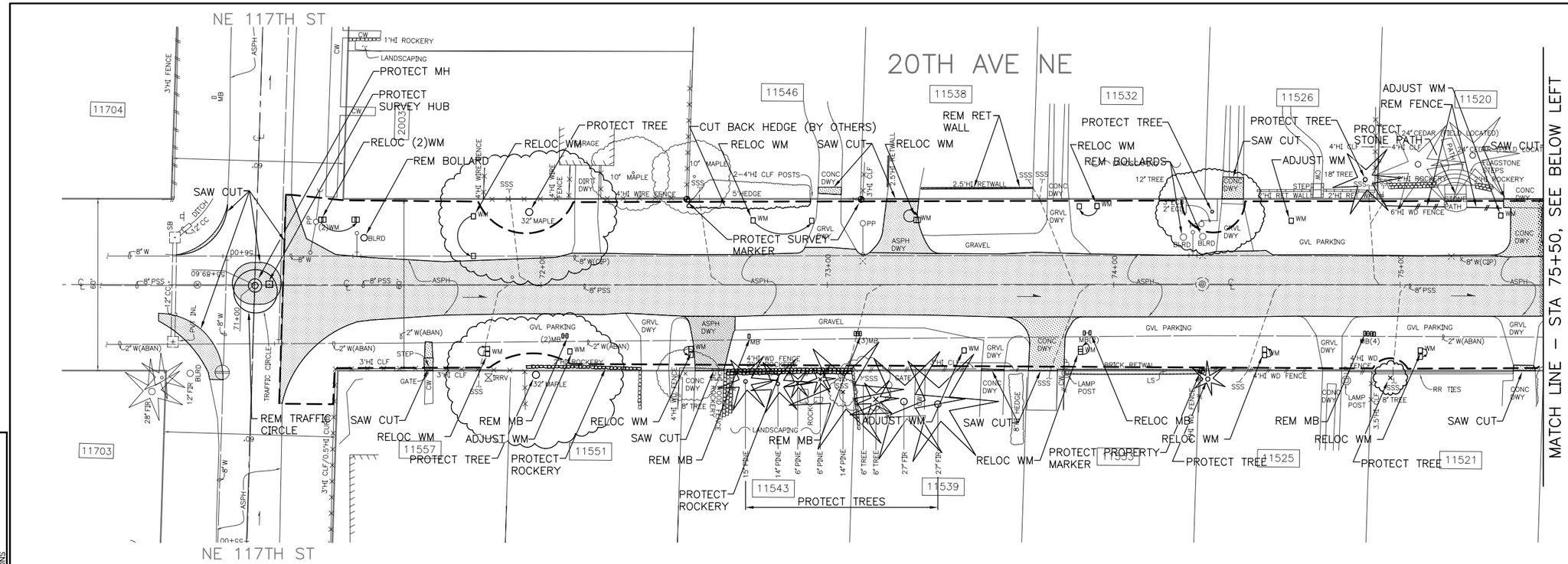
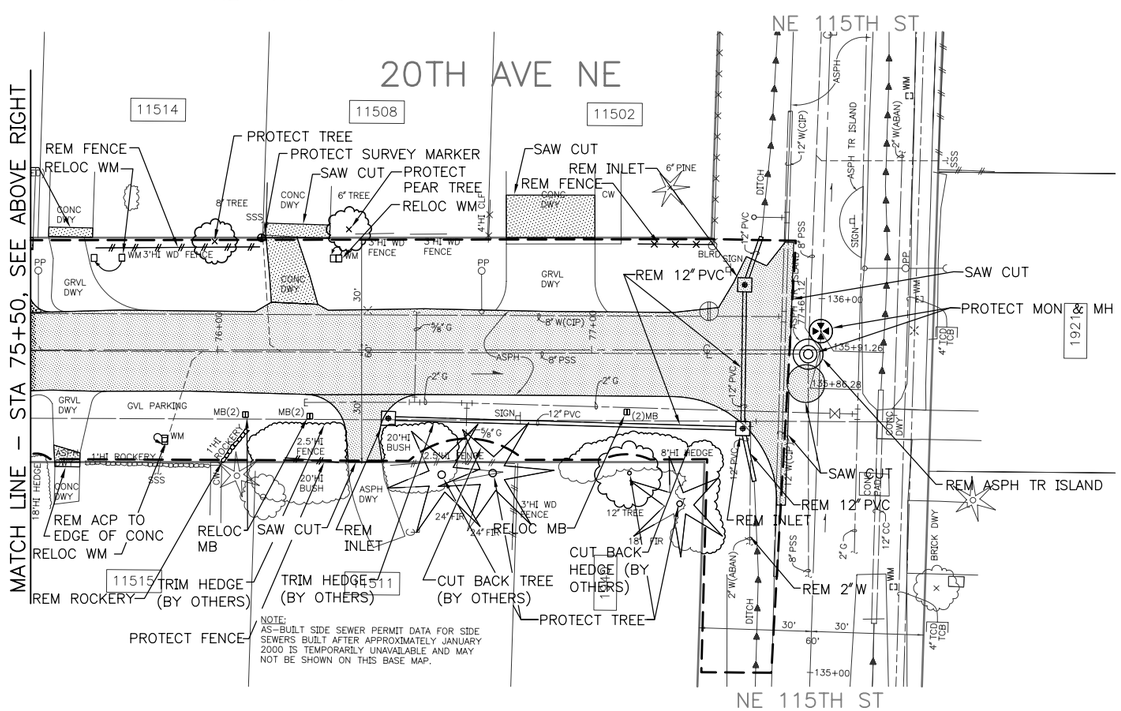
Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | C333202_Proj-View-Map | C333202_19TH AVE_SD00 | C333202_19THS_PV00 | Legend_LD |





LEGEND

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

NOTES

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1. FOR WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SEE NOTE 1, WATER NOTES ON SHEET 2
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6. FOR GAS MAIN ADJUSTMENT OR RELOCATION SEE NOTE 1, GAS NOTES ON SHEET 2.

20TH AVE NE (NE 117TH/NE 115TH ST) REMOVAL, RELOCATE & PROTECTION PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459	10:30am					

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

NAME OR INITIALS AND DATE
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DRAWN CCH 4/12/2005
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MASAKO HIRANO
STATE OF WASHINGTON
31234
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO.
FUND:
SCALE: H.= 20'
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PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 11 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P11_20Ave(N)_Rem.dwg [PLAN X1] – HwangC Sep-15-05

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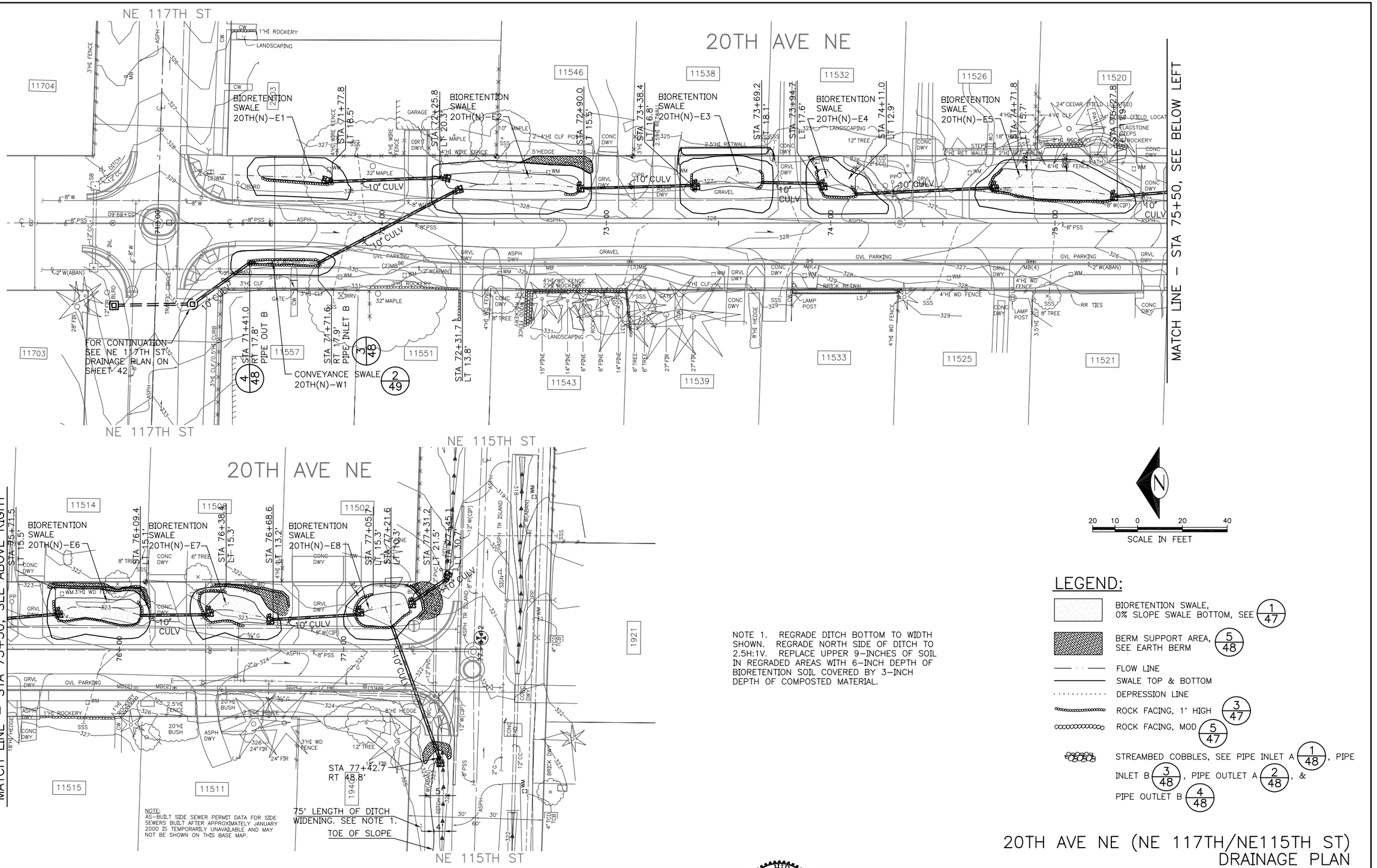

NOTE 1. REGRADE DITCH BOTTOM TO WIDTH SHOWN. REGRADE NORTH SIDE OF DITCH TO 2.5H:1V. REPLACE UPPER 9–INCHES OF SOIL IN REGRADED AREAS WITH 6–INCH DEPTH OF BIORETENTION SOIL COVERED BY 3–INCH DEPTH OF COMPOSTED MATERIAL.

20 10 0 20 40
SCALE IN FEET

LEGEND:

- BIORETENTION SWALE, 0% SLOPE SWALE BOTTOM, SEE 1/47
- BERM SUPPORT AREA, SEE EARTH BERM 5/48
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- ROCK FACING, 1' HIGH 3/47
- ROCK FACING, MOD 5/47
- STREAMBED COBBLES, SEE PIPE INLET A 1/48, PIPE INLET B 3/48, PIPE OUTLET A 2/48, & PIPE OUTLET B 4/48

20TH AVE NE (NE 117TH/NE115TH ST) DRAINAGE 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	DES. CONST. GJS
DRAWN CDI 4/12/2006	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2006	RECEIVED
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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.

MASAO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

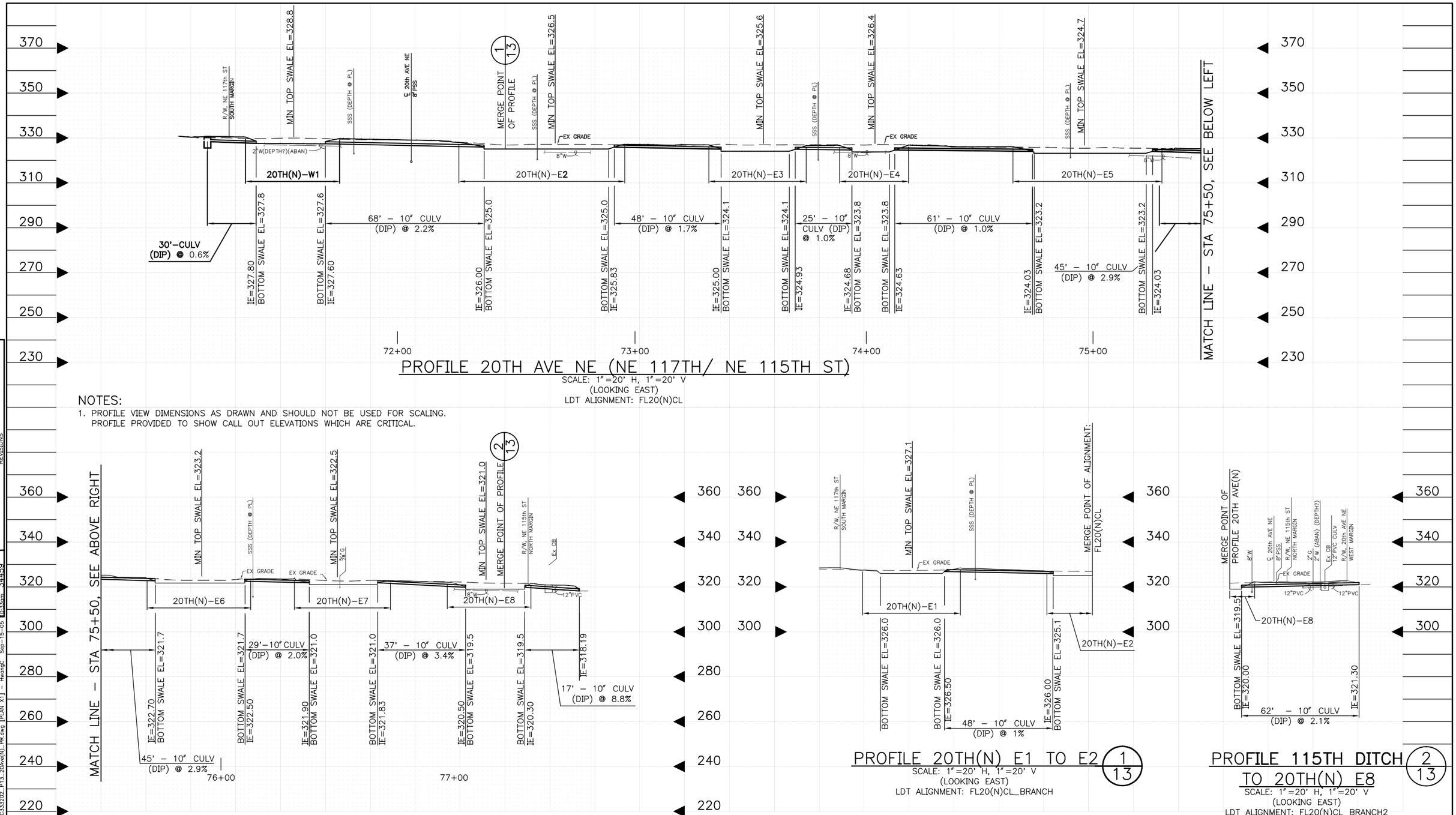
JOB NO.: PC C333202; R/W; CO
VAULT PLAN NO. 777–606
SHEET 12 OF 56

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

VAULT SERIAL NO. 344.59

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P12_20thAve(N)_SD.dwg [PLAN X1] – HwangC Sep–15–05

Xref Filename: | C333202_SPU–PlnSht | C333202_BS00_Complete | C333202_Proj–View–Map | 20thAVE(N)_SD00 | C333202_20THN_PV00 | Legend_SD | C333202_117th_PV00 |



PROFILE 20TH AVE NE (NE 117TH/ NE 115TH ST)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL20(N)CL

NOTES:

1. PROFILE VIEW DIMENSIONS AS DRAWN AND SHOULD NOT BE USED FOR SCALING. PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.

PROFILE 20TH AVE NE (NE 117TH/ NE 115TH ST)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL20(N)CL

PROFILE 20TH(N) E1 TO E2 (1 13)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL20(N)CL_BRANCH

PROFILE 115TH DITCH TO 20TH(N) E8 (2 13)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL20(N)CL_BRANCH2

20TH AVE NE (NE 117TH/NE 115TH ST) DRAINAGE PROFILE

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		DES.	CONST. GJS
DRAWN	CDI 4/12/2009	SDOT	PROJ. MGR. KAW
CHECKED	TMR 4/12/2005	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.

MASAO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 13 OF 56

MARK	DATE	REVISIONS	MADE	CHK'D	REV'D
VAULT SFEPAL NO. 34459		NATURE			

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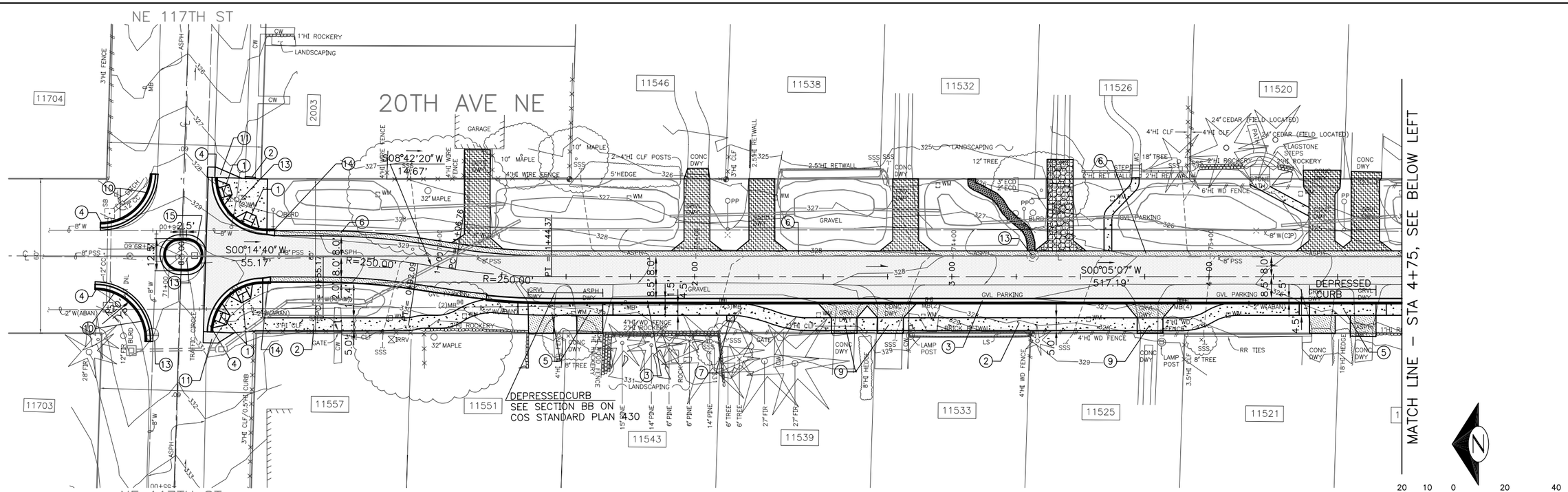

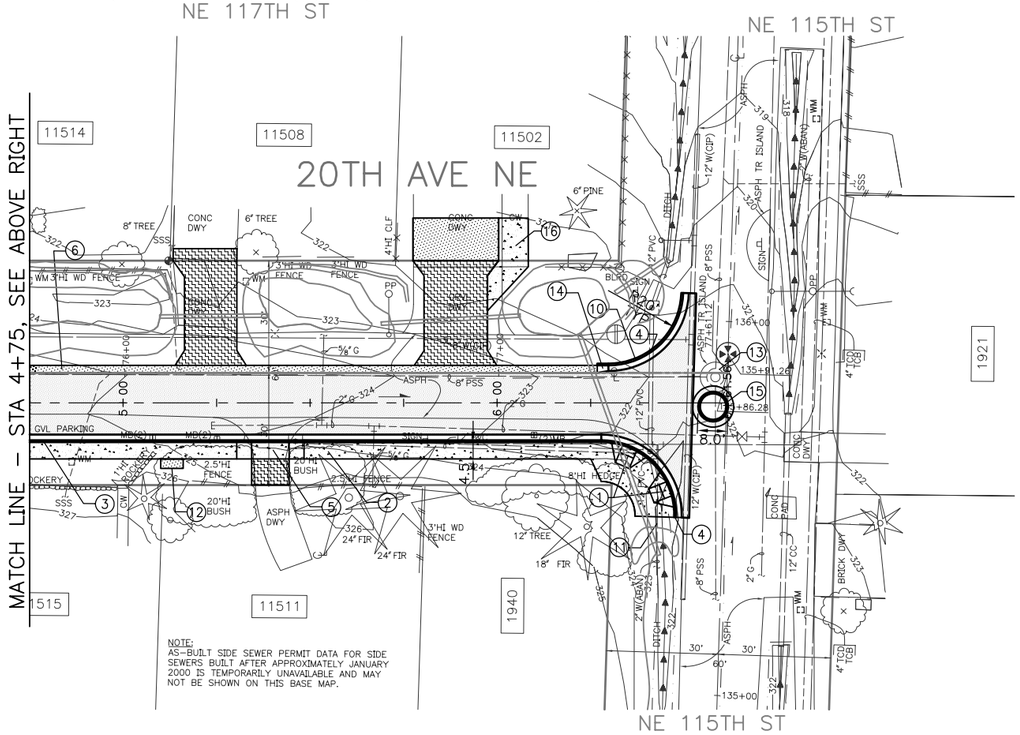

PAVING CONSTRUCTION ITEMS:

1. CONSTRUCT CURB RAMP PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX OF THE CONTRACT DOCUMENT.
2. CONSTRUCT SIDEWALK PER COS STANDARD PLAN NO 420, EXCEPT WIDTH AS SHOWN ON PLANS.
3. CONSTRUCT CURB AND GUTTER (410B) PER COS STANDARD PLAN NO 410. GUTTER PORTION GRADE SHALL MATCH PAVEMENT GRADE PER PAVING CROSS SECTION.
4. INSTALL CURB AND GUTTER (410B) THROUGH INTERSECTION CURB RETURNS PER COS STANDARD PLAN NO 410B. DEPRESS CURB THROUGH CURB RAMPS PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX.
5. CONSTRUCT TYPE 430B DRIVEWAY PER COS STANDARD PLAN NO 430.
6. CONSTRUCT CONCRETE BAND, PER PAVING CROSS SECTION.
7. CONSTRUCT CONCRETE PAD FOR LOCKING MAILBOX PER DETAIL 3/54
8. NOT USED
9. CONCRETE DRIVEWAY PLACED W/SIDEWALK CONSTRUCTION PER COS STANDARD PLAN NO 431.
10. CENTER OF FUTURE CURB RAMP. DEPRESS CURB TO PROVIDE LOW POINT AND TRANSITIONS PER SDOT STANDARD PLAN.
11. CONSTRUCT ASPHALT CONCRETE CLASS A PATCH TO MATCH EXISTING GRADE.
12. NON-LOCKING MAILBOX PER DETAIL 1/54 WITHOUT ROOF STRUCTURE
13. ADJUST UTILITY STRUCTURE TO FINISH GRADE.
14. TRANSITION CURB HEIGHT IN 3 FEET TO MATCH CONCRETE BAND.
15. CONSTRUCT TRAFFIC CIRCLE ACCORDING TO THE DETAIL SHOWN IN THE APPENDIX OF THE CONTRACT DOCUMENT.
16. CONSTRUCT CONCRETE WALK. MATCH EXISTING WIDTH AND EXTEND AS SHOWN. SET GRADE AT 3/4" BELOW DRIVEWAY GRADE AT MATCH LINE AND SLOPE TO DRAIN.

PAVING LEGEND:

- ASPH 1 - 3"CL A OVER 6" MNRL AGGR TYPE 2
- ASPH 3 - 3"CL A OVER 4" MNRL AGGR TYPE 2
- CW - TYPE 420 EXCEPT WIDTH, SEE PAVING PLANS
- WCR MODIFIED
- CONC DWY - 6" TYPE 430A OR MODIFIED
- CONC BAND
- GRAVEL GEOGRID
- WOOD CHIP WALK

20TH AVE NE (NE 117TH/NE 115TH ST) PAVING PLAN

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

VAULT SERIAL NO. 34459

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TETRA TECH/ KCM
1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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		DES. MHL	CONST. GJS
DRAWN	CDI 4/12/2005	SDOT	PROJ. MGR. KAW
CHECKED	TMR 4/12/2005	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.

STATE OF WASHINGTON · MARK HOPKINSON · 27612 · REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/11/

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: H.= 20'

APPROVED
INSPECTOR'S BOOK

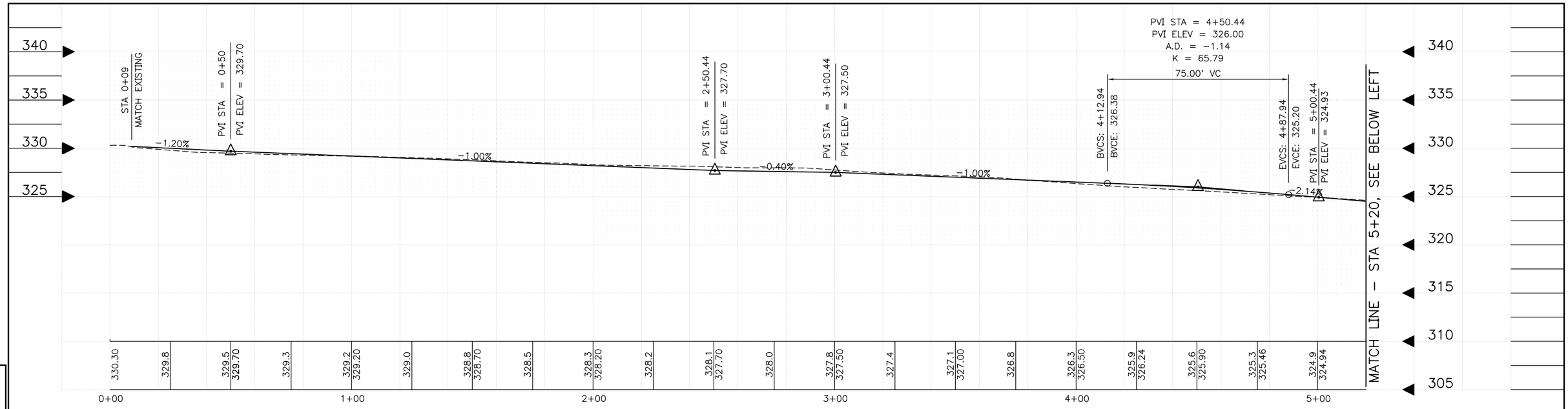
PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO

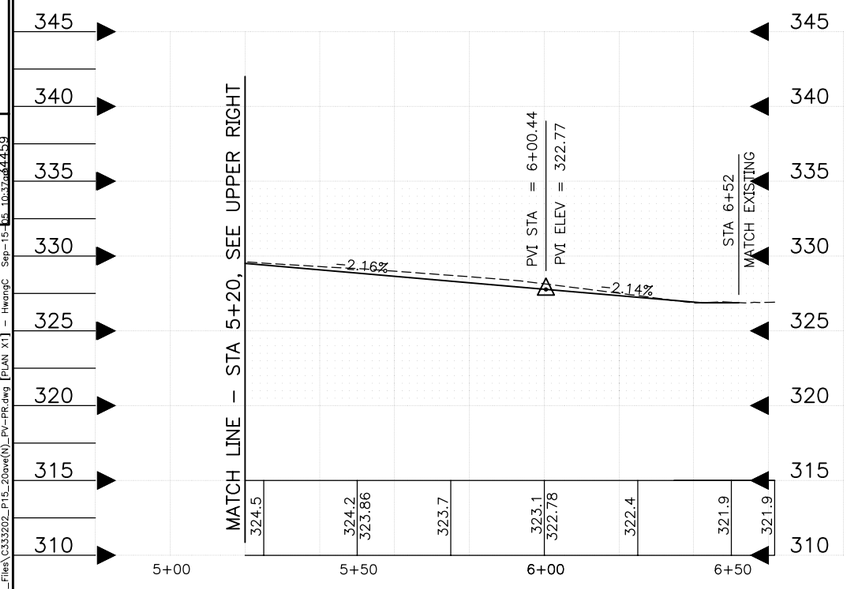
VAULT PLAN NO. 777-606

SHEET 14 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | C333202_Proj-View-Map | C333202_20THN_PV00 | 20thAVE(N)_SD00 | C333202_Paving_Legend_2 |



PROPOSED ROADWAY CONSTRUCTION CENTERLINE PROFILE "20THN"



CROSS SLOPE PERCENTAGES AND TRANSITION, SEE ROADWAY SECTIONS ON SHEET 50

PROJECT:C333202–LDT_ 20THN_CD, ALIGNMENT: 20THN

WEST SIDE			EAST SIDE			SIDEWALK		
% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄	START STATION	END STATION
SEE SPOT ELEVATION ON PLAN	0+08	0+25	SEE SPOT ELEVATION ON PLAN	0+08	0+25			
2, TOWARDS EAST SWALE	0+25	6+37.5	2, TOWARDS EAST SWALE	0+25	6+37.5	CURB RETURNS, SEE SPOT ELEVATION ON PLAN	0+08	0+25
SEE SPOT ELEVATION ON PLAN	6+37.5	6+42.5	SEE SPOT ELEVATION ON PLAN	6+37.5	6+42.5			
						2% TO STREET	0+25.00	6+37.5
						SEE SPOT ELEVATION ON PLAN	6+37.5	6+42.57

20TH AVE NE (NE 117TH/NE 115TH ST)
PAVING PROFILE

NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
VAULT SERIAL NO. 44459						

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Xref Filename: | C333202_SPU–PlnSht | C333202_20THN_PV_PR00 |

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Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

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DESIGNED	REVIEWED:
CHECKED	DES. MHL CONST. GJS
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CHECKED TMR 4/12/2005	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.

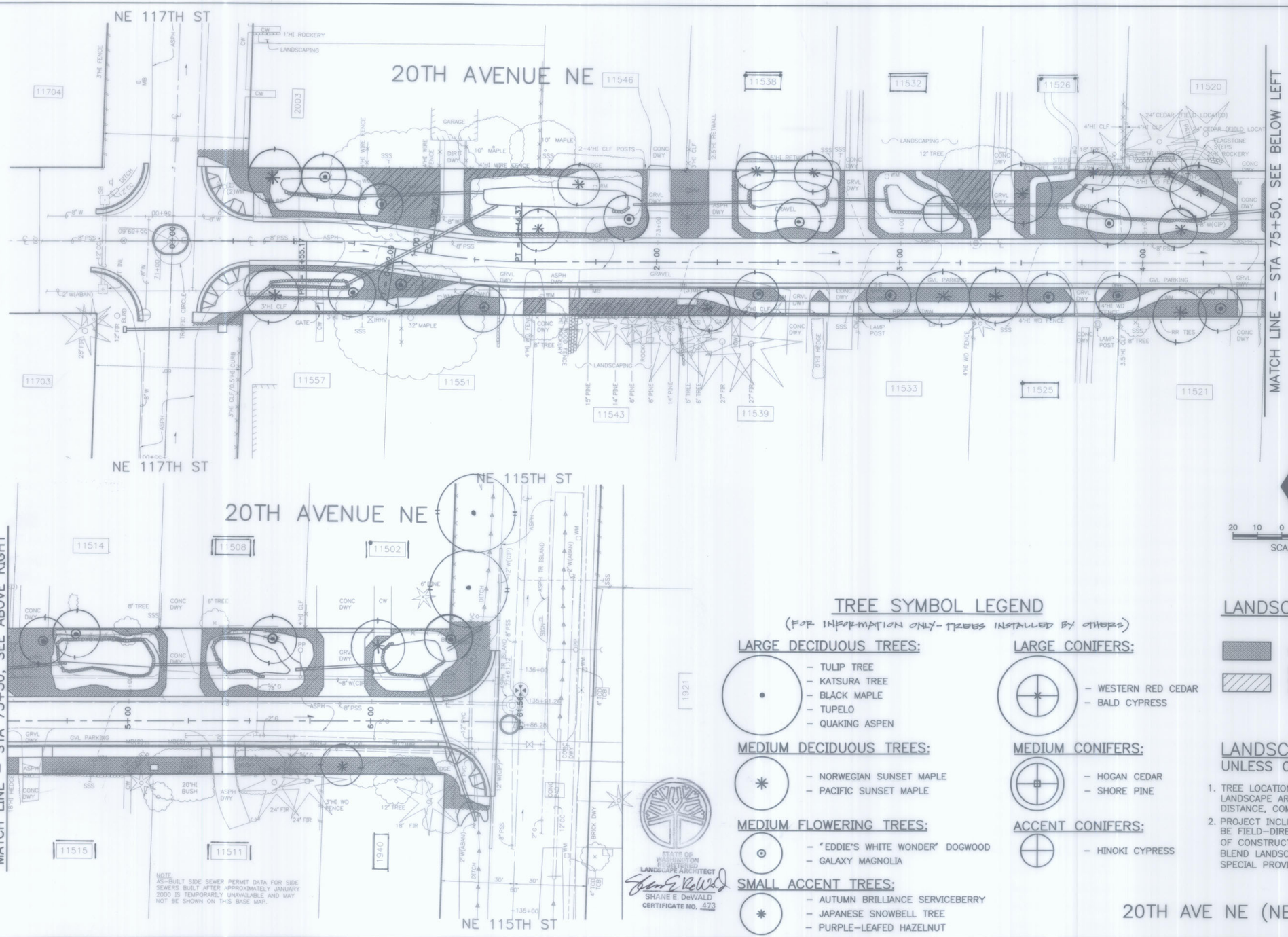
MARK T. HOPKINSON
STATE OF WASHINGTON
27612
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/11/

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO. APPROVED
FUND:
SCALE: H: 1"=20' V: 1"=5' INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 15 OF 56



TREE SYMBOL LEGEND

(FOR INFORMATION ONLY - TREES INSTALLED BY OTHERS)

LARGE DECIDUOUS TREES:
- TULIP TREE
- KATSURA TREE
- BLACK MAPLE
- TUPELO
- QUAKING ASPEN

MEDIUM DECIDUOUS TREES:
- NORWEGIAN SUNSET MAPLE
- PACIFIC SUNSET MAPLE

MEDIUM FLOWERING TREES:
- "EDDIE'S WHITE WONDER" DOGWOOD
- GALAXY MAGNOLIA

SMALL ACCENT TREES:
- AUTUMN BRILLIANCE SERVICEBERRY
- JAPANESE SNOWBELL TREE
- PURPLE-LEAFED HAZELNUT

LARGE CONIFERS:
- WESTERN RED CEDAR
- BALD CYPRESS

MEDIUM CONIFERS:
- HOGAN CEDAR
- SHORE PINE

ACCENT CONIFERS:
- HINOKI CYPRESS

LANDSCAPING LEGEND

UPLAND REVEGETATION AREA - SEE SPECIAL PROVISIONS

PLANTING AREA PREPARATION BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES - SEE SPECIAL PROVISIONS

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.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED BY LANDSCAPE ARCHITECT AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION (SEE SPECIAL PROVISIONS).

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

20TH AVE NE (NE 117TH/NE 115TH ST)
LANDSCAPING PLAN

MADE	CHK'D	REVD

VAULT SERIAL NO. 34459 | DATE | MARK | NATURE OF REVISIONS

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: DES. CONST. GJS SDOT PROJ. MGR. KAW
CHECKED	
DRAWN CEH 4/12/05	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.

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 16 OF 56

Property of City of Seattle
777-606-16

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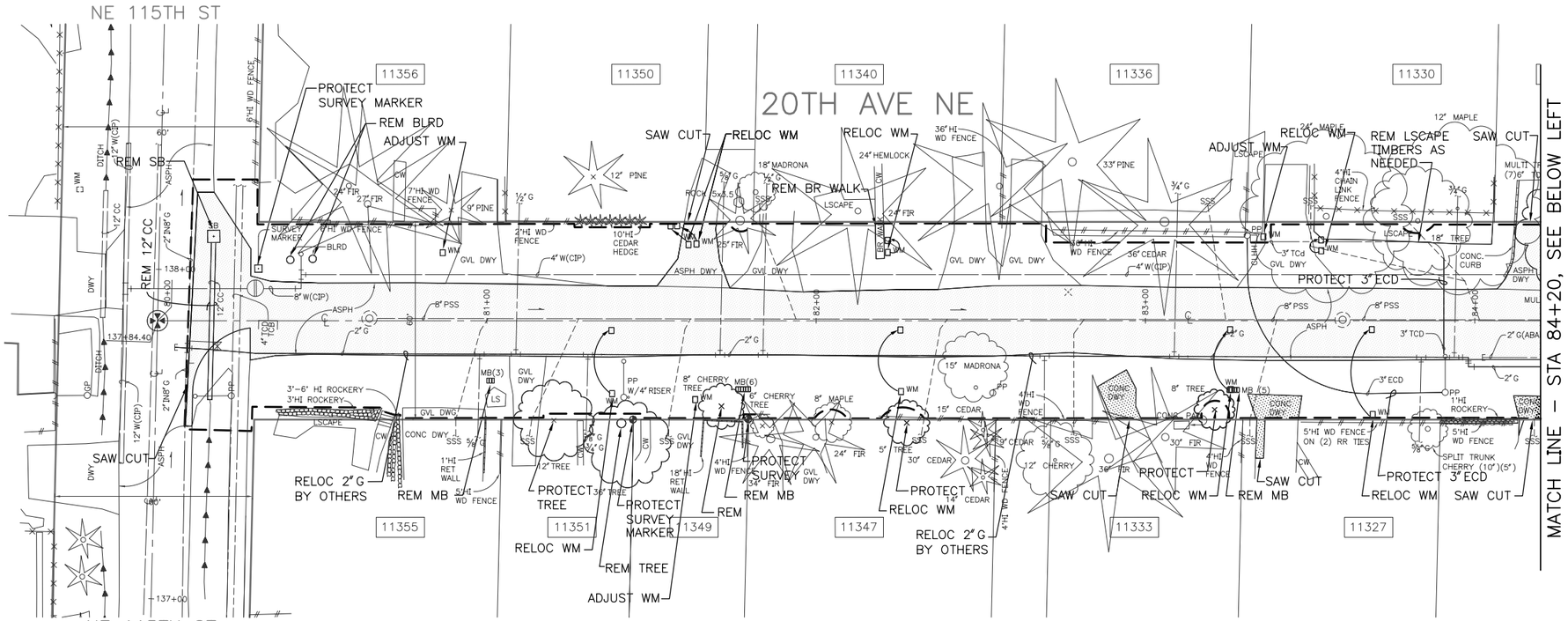
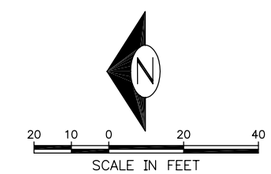




LEGEND

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

NOTES

UNLESS OTHERWISE NOTED:

1. FOR WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SEE NOTE 1, WATER NOTES ON SHEET 2
2. TREE PROTECTION PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY.
3. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
4. 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.
5. MAIL BOXES SHALL BE RELOCATED TO OR REPLACED BY CLUSTER MAILBOX, SEE PAVING PLAN.
6. FOR GAS MAIN ADJUSTMENT OR RELOCATION SEE NOTE 1, GAS NOTES ON SHEET 2.

20TH AVE NE (NE 115TH/NE 113TH ST) REMOVAL, RELOCATE & PROTECTION PLAN

APPROVED FOR ADVERTISING KENNETH J. NAKATSU DEPARTMENT OF EXECUTIVE ADMINISTRATION SEATTLE, WASHINGTON 20 BY: DIRECTOR, CONTRACTING SERVICES	NAME OR INITIALS AND DATE DESIGNED CHECKED DRAWN CCH 4/12/2005 CHECKED TMR 4/12/2005	INITIALS AND DATE REVIEWED: DES. CONST. GJS SDOT PROJ. MGR. KAW RECEIVED REVISED AS BUILT	MASAKO HIRANO STATE OF WASHINGTON 31234 REGISTERED PROFESSIONAL ENGINEER EXPIRES 11/06/2006

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.

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

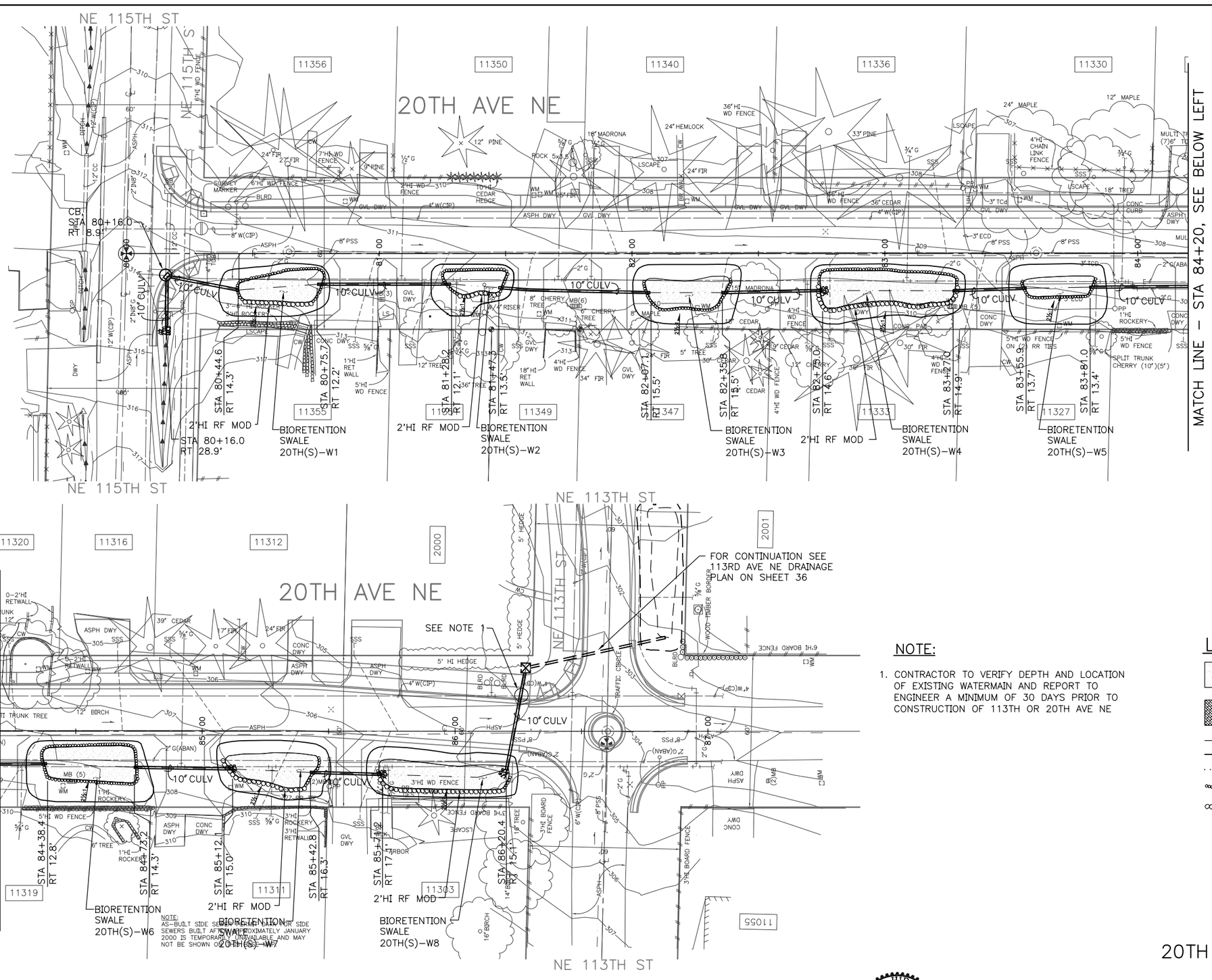
PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 17 OF 56

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
10:39am 34459						

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P17_20Ave(S)_REM.dwg [PLAN X1] - HwangC Sep-15-05

Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | c333202_rem-legend | C333202_Proj-View-Map | C333202_113th_REM00 | C333202_20th(S)_REM00 |



NOTE:

1. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING WATERMAIN AND REPORT TO ENGINEER A MINIMUM OF 30 DAYS PRIOR TO CONSTRUCTION OF 113TH OR 20TH AVE NE

20 10 0 20 40
SCALE IN FEET

LEGEND:

- BIORETENTION SWALE, 0% SLOPE SWALE BOTTOM, SEE 1/47
- BERM SUPPORT AREA, SEE EARTH BERM 5/48
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- ROCK FACING, 1' HIGH 3/47
- ROCK FACING, MOD 5/47
- STREAMBED COBBLES, SEE PIPE INLET A 1/48, PIPE INLET B 3/48, PIPE OUTLET A 2/48, & PIPE OUTLET B 4/48

20TH AVE NE (NE 115TH/NE 113 ST) DRAINAGE PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
0:40am 34459						

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P18_20Ave(S)_SD.dwg [PLAN X1] – HwangC Sep-15-05

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

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CCH 4/12/2005	RECEIVED
CHECKED TMR 4/12/2005	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.

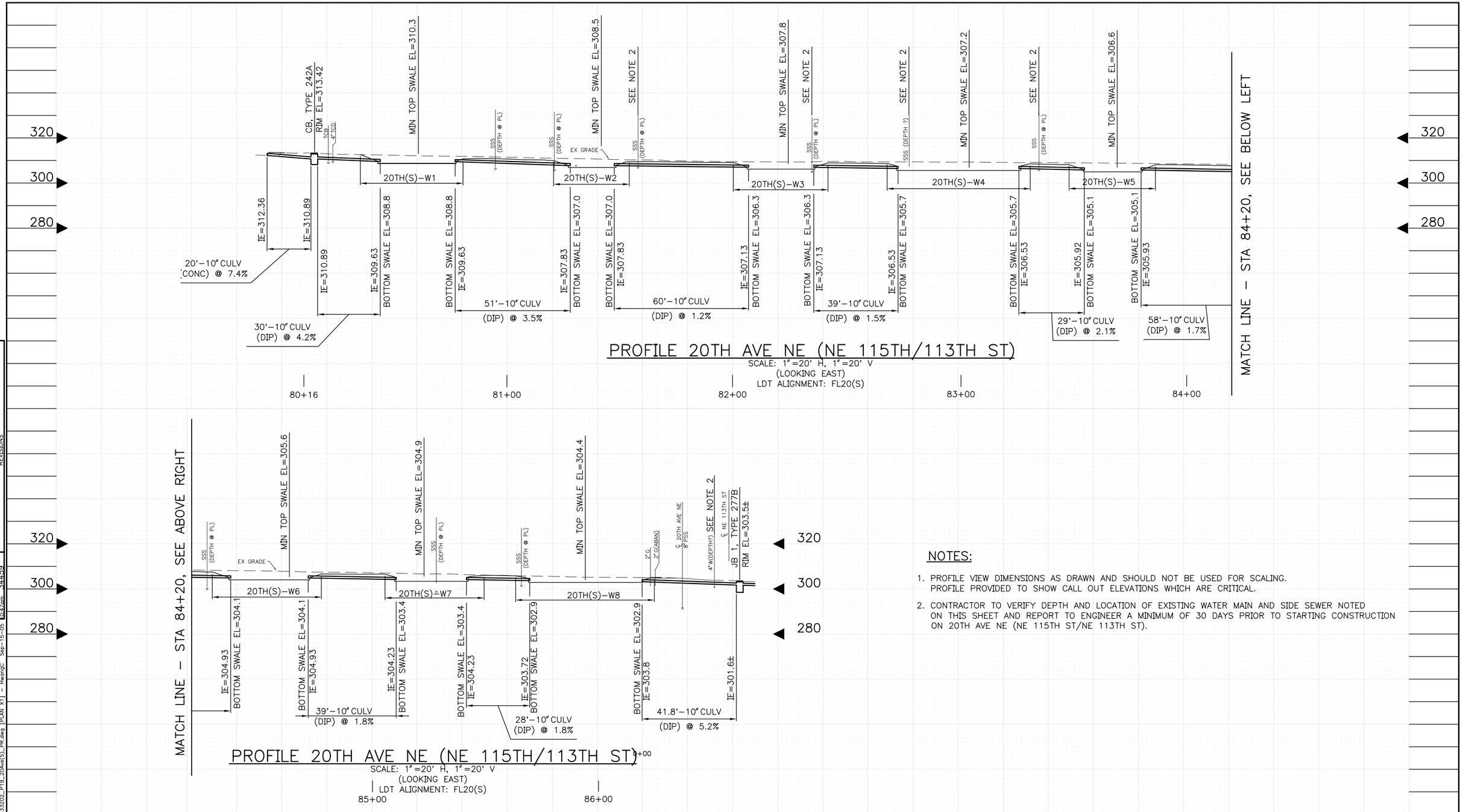
MASAKO HIRANO, STATE OF WASHINGTON, 31234, REGISTERED PROFESSIONAL ENGINEER, EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777–606
SHEET 18 OF 56

Xref Filename: | C333202_SPU–PlnSht | C333202_BS00_Complete | C333202_Proj–View–Map | Legend_SD | C333202_20THS_PV00 | C333202_113TH_PV00 | C333202_20th(S)_SD00 |



PROFILE 20TH AVE NE (NE 115TH/113TH ST)
SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL20(S)

PROFILE 20TH AVE NE (NE 115TH/113TH ST)
SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL20(S)

NOTES:

1. PROFILE VIEW DIMENSIONS AS DRAWN AND SHOULD NOT BE USED FOR SCALING. PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.
2. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING WATER MAIN AND SIDE SEWER NOTED ON THIS SHEET AND REPORT TO ENGINEER A MINIMUM OF 30 DAYS PRIOR TO STARTING CONSTRUCTION ON 20TH AVE NE (NE 115TH ST/NE 113TH ST).

20TH AVE NE (NE 115TH/NE 113TH ST)
DRAINAGE PROFILE

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

NAME OR INITIALS AND DATE
DESIGNED
CHECKED
DRAWN CCH 4/12/2005
CHECKED TMR 4/12/2005

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

MASAKO HIRANO
STATE OF WASHINGTON
31234
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

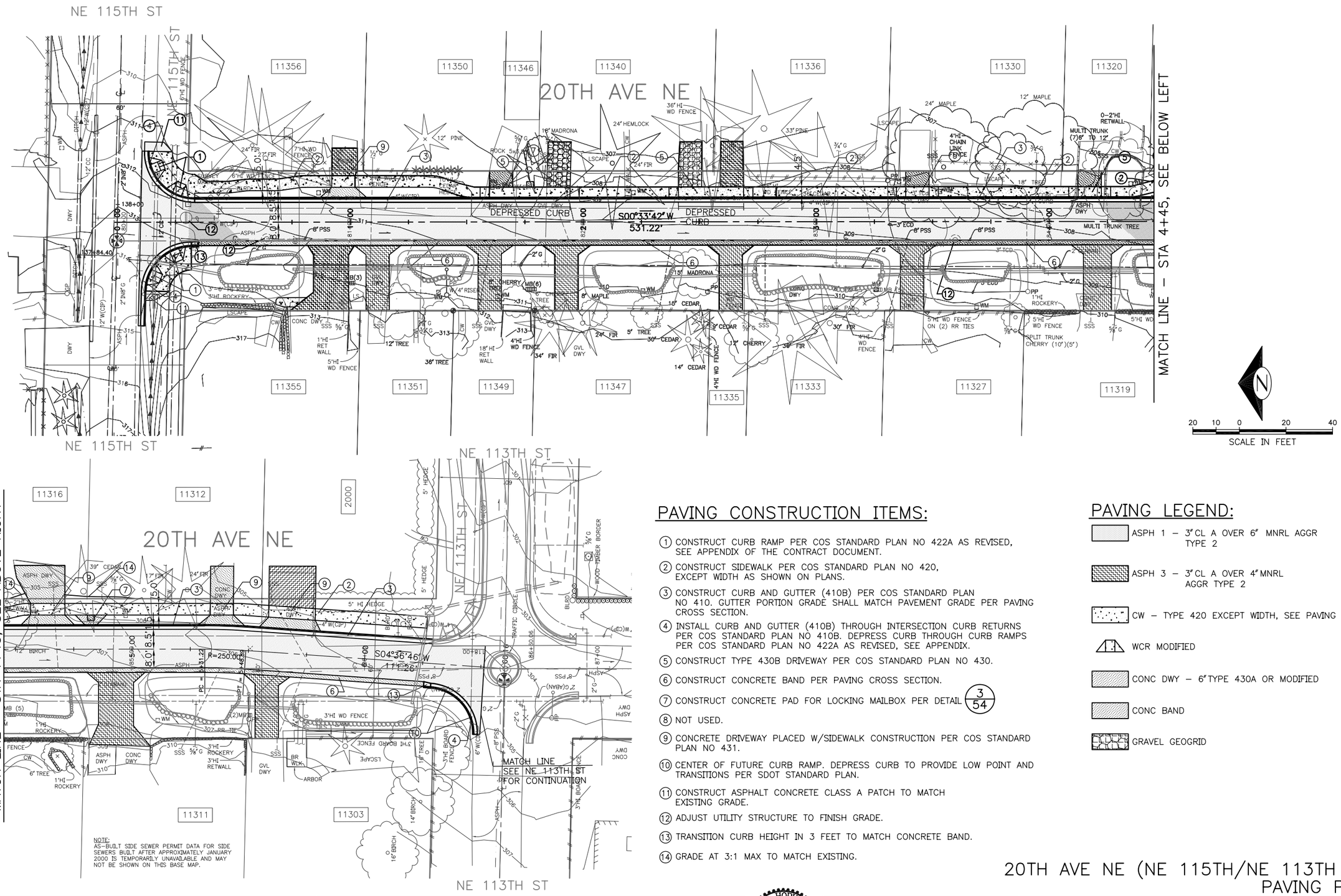
PINEHURST GREEN GRID
NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 19 OF 56

VAULT SERIAL NO. 34459
D:47am 34459
NATURE REVISIONS
DATE MARK MADE CHK'D REV'D

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P19_20Ave(S)_PR.dwg [PLAN X1] - HwangC Sep-15-05

Xref Filename: | C333202_SPU-PlnSht | C333202_20th(S)_PR00 |



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 CONSTRUCTION ITEMS:

1. CONSTRUCT CURB RAMP PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX OF THE CONTRACT DOCUMENT.
2. CONSTRUCT SIDEWALK PER COS STANDARD PLAN NO 420, EXCEPT WIDTH AS SHOWN ON PLANS.
3. CONSTRUCT CURB AND GUTTER (410B) PER COS STANDARD PLAN NO 410. GUTTER PORTION GRADE SHALL MATCH PAVEMENT GRADE PER PAVING CROSS SECTION.
4. INSTALL CURB AND GUTTER (410B) THROUGH INTERSECTION CURB RETURNS PER COS STANDARD PLAN NO 410B. DEPRESS CURB THROUGH CURB RAMPS PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX.
5. CONSTRUCT TYPE 430B DRIVEWAY PER COS STANDARD PLAN NO 430.
6. CONSTRUCT CONCRETE BAND PER PAVING CROSS SECTION.
7. CONSTRUCT CONCRETE PAD FOR LOCKING MAILBOX PER DETAIL 3/54
8. NOT USED.
9. CONCRETE DRIVEWAY PLACED W/SIDEWALK CONSTRUCTION PER COS STANDARD PLAN NO 431.
10. CENTER OF FUTURE CURB RAMP. DEPRESS CURB TO PROVIDE LOW POINT AND TRANSITIONS PER SDOT STANDARD PLAN.
11. CONSTRUCT ASPHALT CONCRETE CLASS A PATCH TO MATCH EXISTING GRADE.
12. ADJUST UTILITY STRUCTURE TO FINISH GRADE.
13. TRANSITION CURB HEIGHT IN 3 FEET TO MATCH CONCRETE BAND.
14. GRADE AT 3:1 MAX TO MATCH EXISTING.

PAVING LEGEND:

- ASPH 1 – 3" CL A OVER 6" MNRL AGGR TYPE 2
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- CW – TYPE 420 EXCEPT WIDTH, SEE PAVING PLANS
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED
- CONC BAND
- GRAVEL GEOGRID

20TH AVE NE (NE 115TH/NE 113TH ST) PAVING PLAN

MARK	DATE	NATURE
		REVISIONS
		MADE BY/CHK'D REV'D

VAULT SERIAL NO. 344459

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1917 First Avenue
Seattle, Washington 98101
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KENNETH J. NAKATSU
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DESIGNED		REVIEWED:	
CHECKED		DES. MHL	CONST. GJS
		SDOT	PROJ. MGR. KAW
DRAWN CDI 4/12/2006		RECEIVED	
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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.

MARK HOPKINSON STATE OF WASHINGTON 27612 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/11/

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: H.= 20'

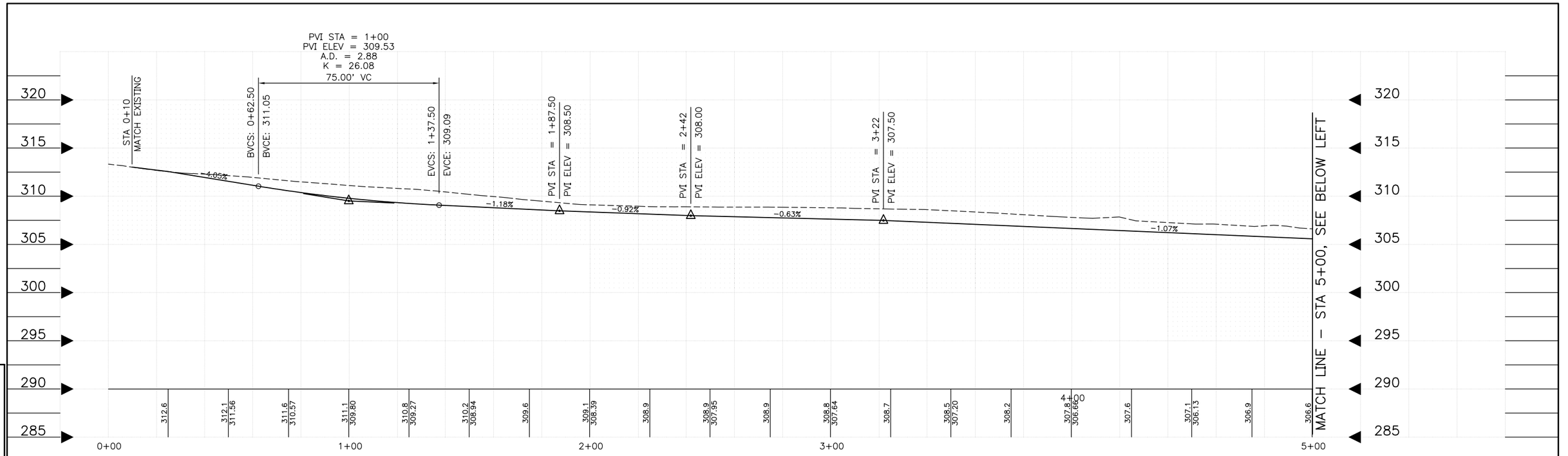
APPROVED
INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

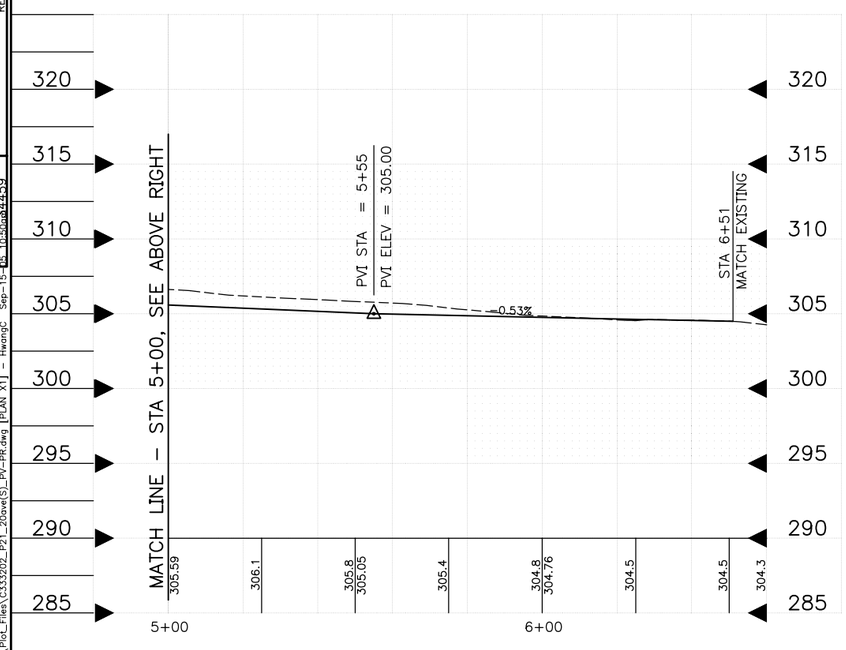
JOB NO. PC C333202 R/W CO

VAULT PLAN NO. 777-606

SHEET 20 OF 56



PROPOSED ROADWAY CONSTRUCTION CENTERLINE PROFILE "PV20SCL"



SUPERELEVATIONS/CROSS SLOPE PERCENTAGES AND TRANSITION

PROJECT: C333202-LDTCD20THS, ALIGNMENT:PV20SCL

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+25	MATCH EXISTING	0+00	0+25	SEE SPOT ELEVATION	0+00	0+25
2% TO WEST SWALE	0+25	6+30	2% TO WEST SWALE	0+25	6+30	2% TOWARDS STREET	0+25	6+30
MATCH EXISTING	6+30	6+60	MATCH EXISTING	6+30	6+60	SEE SPOT ELEVATION	6+30	6+60
SEE SPOT ELEVATIONS AT INTERSECTION ON PLAN			SEE SPOT ELEVATIONS AT INTERSECTION ON PLAN			SEE SPOT ELEVATIONS AT INTERSECTION ON PLAN		

20TH AVE NE (NE 115TH/NE 113TH ST)
PAVING PROFILE

MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. 44459

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DIRECTOR, CONTRACTING SERVICES

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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.

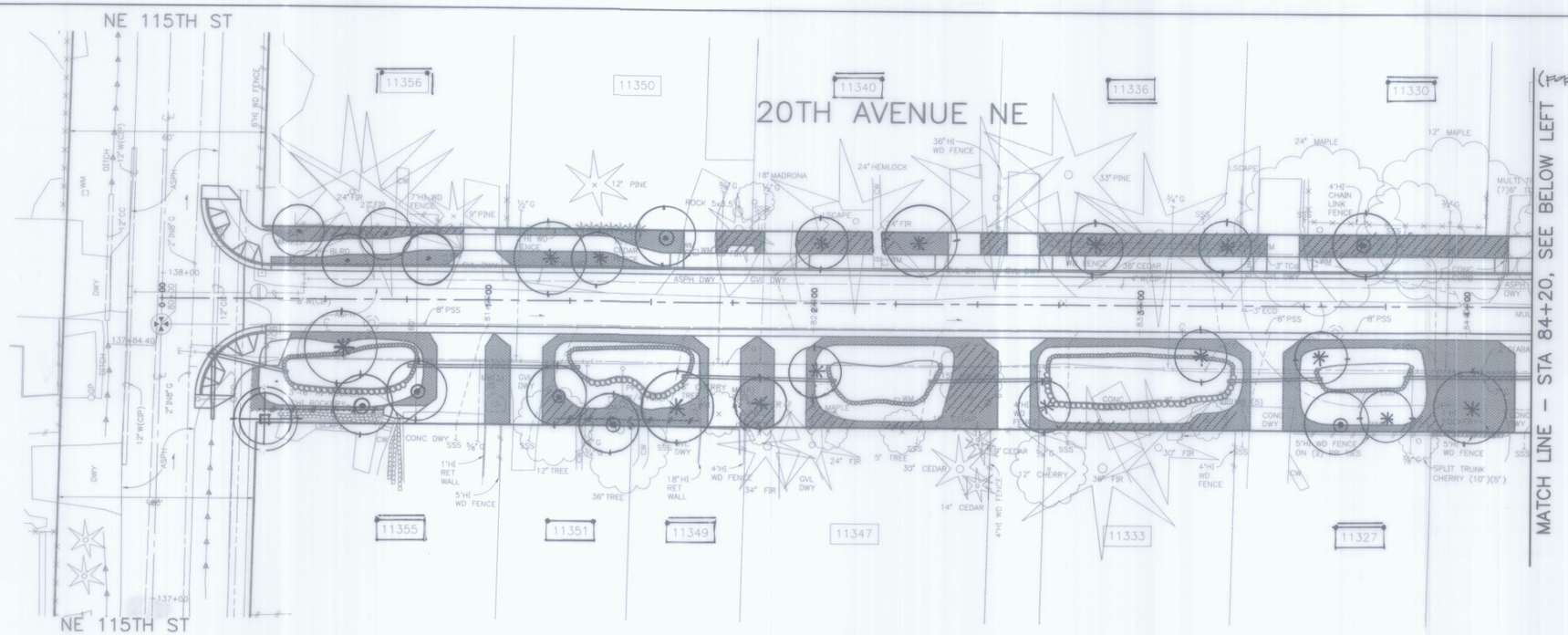
MARK HOPKINSON
STATE OF WASHINGTON
27612
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/11/

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO. APPROVED
FUND:
SCALE: H: 1"=20' V: 1"=5' INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 21 OF 56



TREE SYMBOL LEGEND

(FOR INFORMATION ONLY - TREES INSTALLED BY OTHERS)

LARGE DECIDUOUS TREES:
- TULIP TREE
- KATSURA TREE
- BLACK MAPLE
- TUPELO
- QUAKING ASPEN

MEDIUM DECIDUOUS TREES:
- NORWEGIAN SUNSET MAPLE
- PACIFIC SUNSET MAPLE

MEDIUM FLOWERING TREES:
- "EDDIE'S WHITE WONDER" DOGWOOD
- GALAXY MAGNOLIA

SMALL ACCENT TREES:
- AUTUMN BRILLIANCE SERVICEBERRY
- JAPANESE SNOWBELL TREE
- PURPLE-LEAFED HAZELNUT

LARGE CONIFERS:
- WESTERN RED CEDA
- BALD CYPRESS

MEDIUM CONIFERS:
- HOGAN CEDAR
- SHORE PINE

ACCENT CONIFERS:
- HINOKI CYPRESS

N

20 10 0 20 40
SCALE IN FEET

LANDSCAPING LEGEND

UPLAND REVEGETATION AREA
-SEE SPECIAL PROVISIONS

PLANTING AREA
PREPARATION BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES
-SEE SPECIAL PROVISIONS

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.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED BY LANDSCAPE ARCHITECT AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION (SEE SPECIAL PROVISIONS).

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

20TH AVE NE (NE 115TH/NE 113TH ST) LANDSCAPING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459						

Property of City of Seattle
777-606-22

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SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

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DESIGNED	REVIEWED:
CHECKED	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CLH 4/12/05	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.

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 22 OF 56

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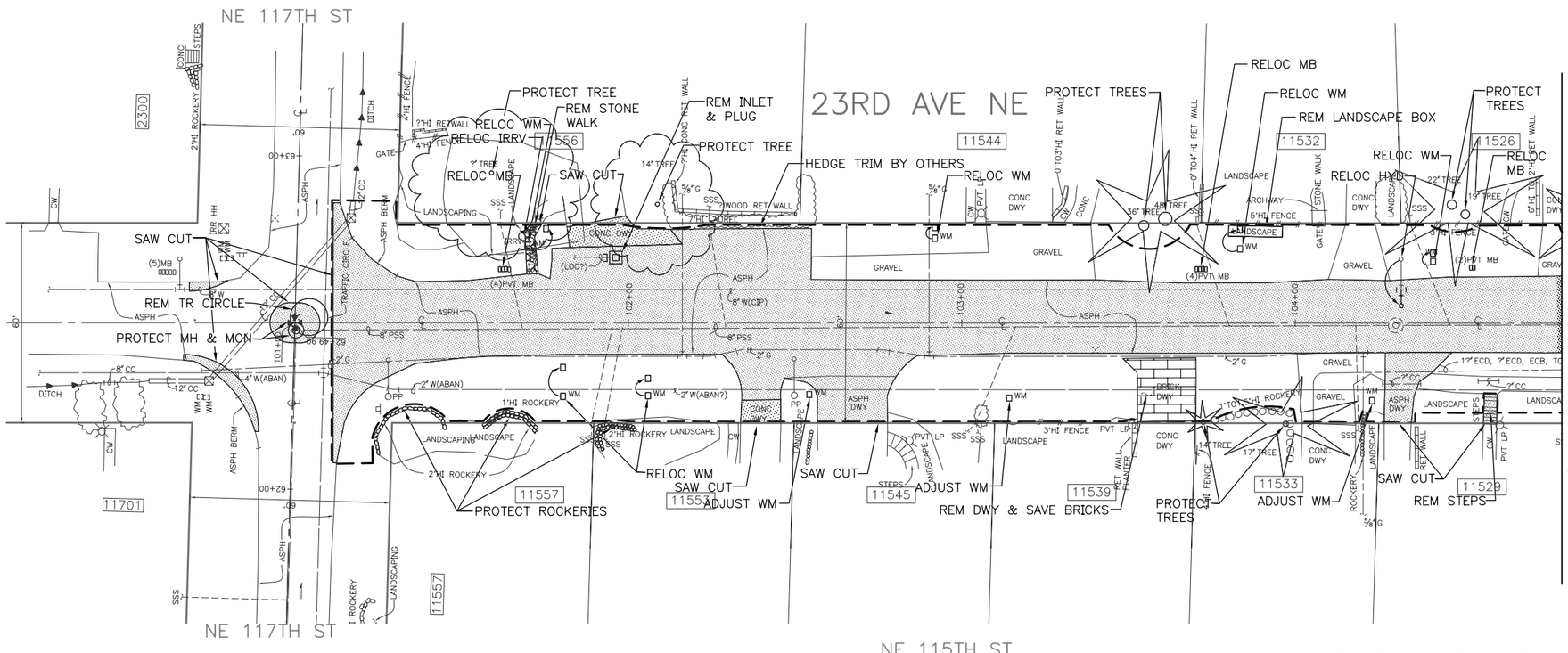

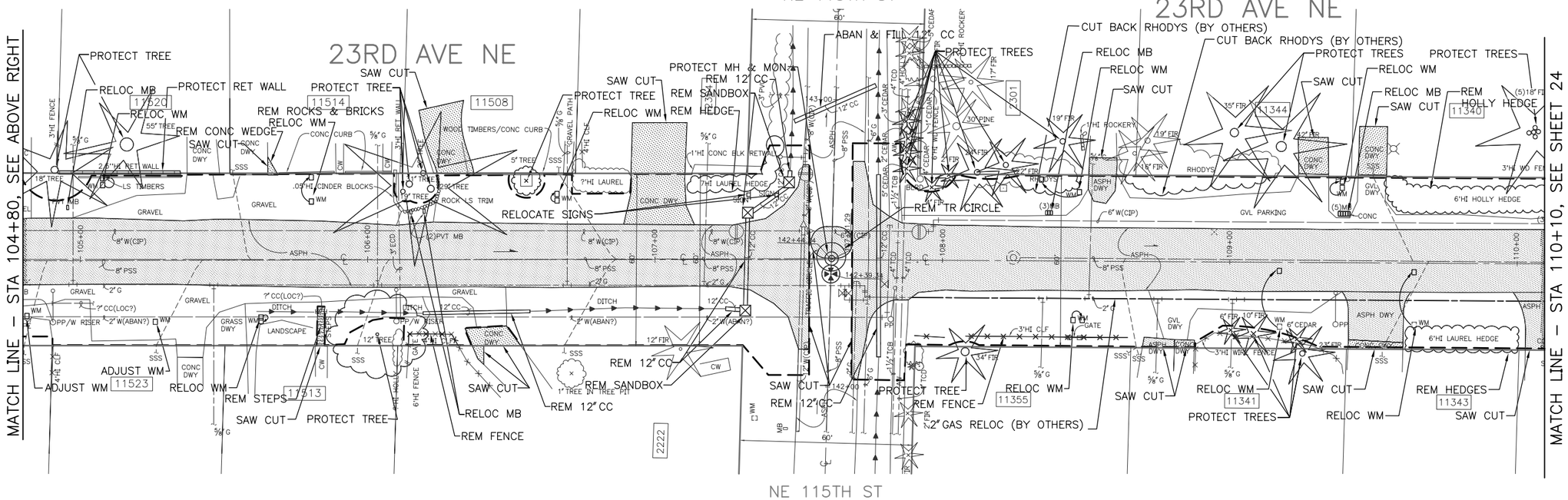

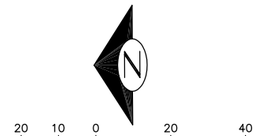

LEGEND

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

NOTES

UNLESS OTHERWISE NOTED:

1. FOR WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SEE NOTE 1, WATER NOTES ON SHEET 2
2. TREE PROTECTION PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY.
3. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
4. 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.
5. MAIL BOXES SHALL BE RELOCATED TO OR REPLACED BY CLUSTER MAILBOX, SEE PAVING PLAN.
6. FOR GAS MAIN ADJUSTMENT OR RELOCATION SEE NOTE 1, GAS NOTES ON SHEET 2.

23RD AVE NE
REMOVAL, RELOCATE & PROTECTION PLAN 1/2

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

VAULT SEQUAL NO. 14459

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

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MASATO HIGUCHI — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 23 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P23-24_23Ave_Rem.dwg [PLAN X1] - HwangC Sep-15-06 10:52:20am

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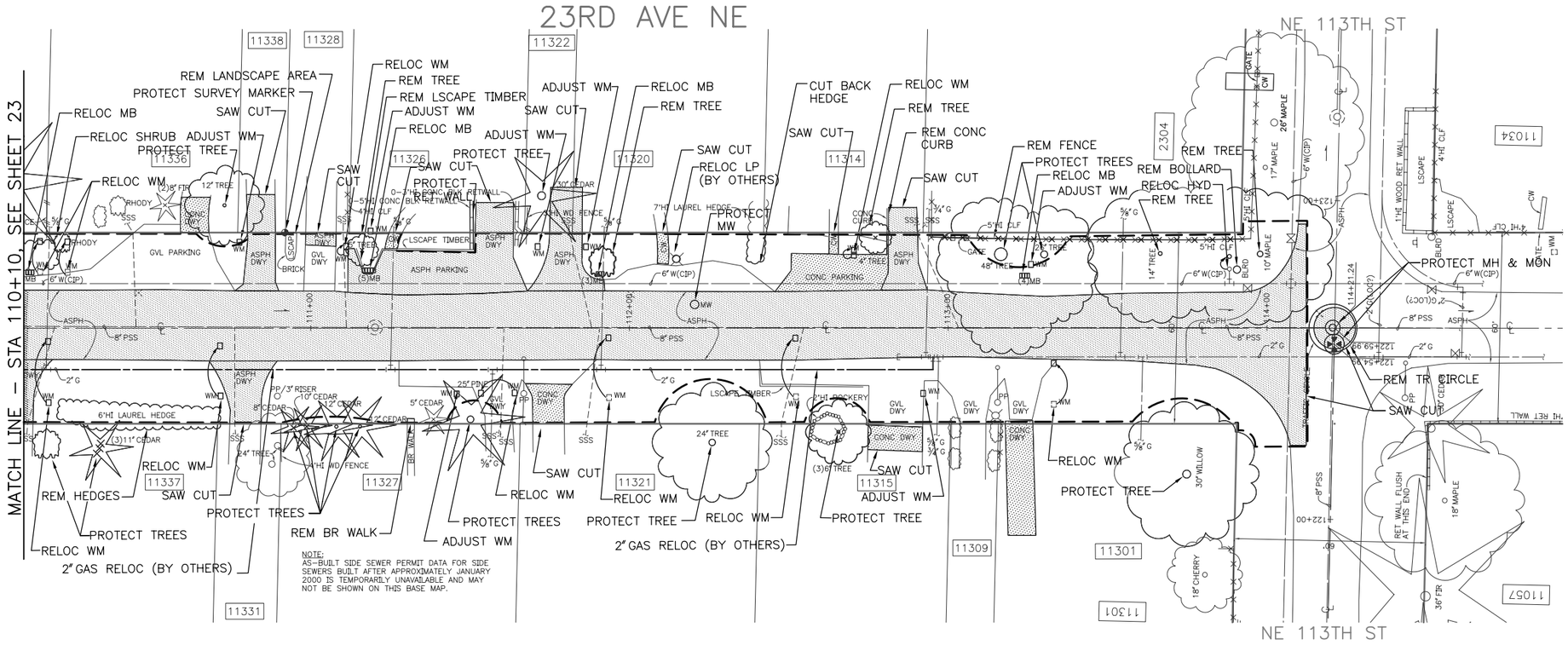

LEGEND

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

NOTES

UNLESS OTHERWISE NOTED:

1. FOR WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SEE NOTE 1, WATER NOTES ON SHEET 2
2. TREE PROTECTION PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY.
3. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
4. 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.
5. MAIL BOXES SHALL BE RELOCATED TO OR REPLACED BY CLUSTER MAILBOX, SEE PAVING PLAN.
6. FOR GAS MAIN ADJUSTMENT OR RELOCATION SEE NOTE 1, GAS NOTES ON SHEET 2.

23RD AVE NE
REMOVAL & PROTECTION PLAN 2/2

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

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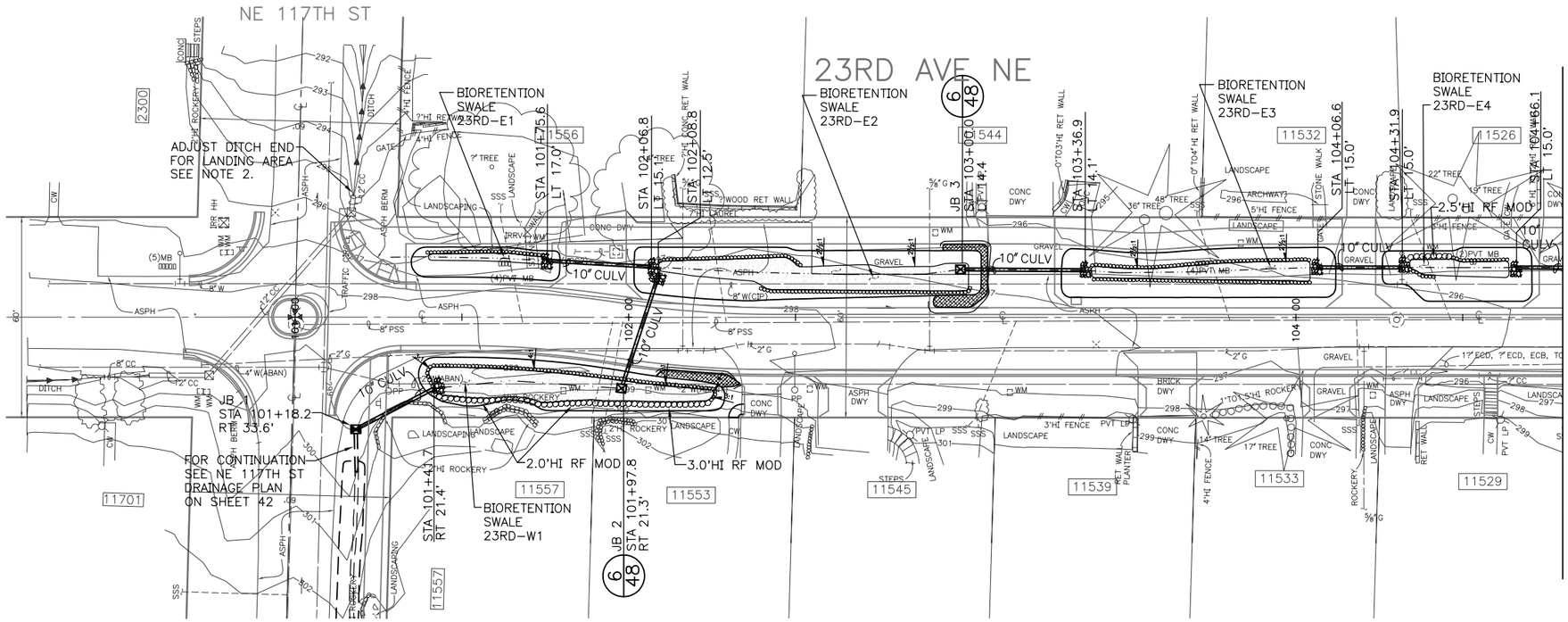
MASAKO HIRANO
STATE OF WASHINGTON
31234
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

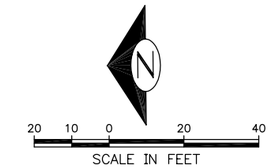
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO. APPROVED
FUND:
SCALE: H.= 20' INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 24 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | C333202_Proj-View-Map | c333202_rem-legend | C333202_23rdAve NE_REM00 |





LEGEND:

- BIORETENTION SWALE, 0% SLOPE SWALE BOTTOM, SEE 1/47
- BERM SUPPORT AREA, SEE EARTH BERM 5/48
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- ROCK FACING, 1' HIGH 3/47
- ROCK FACING, MOD 5/47
- STREAMBED COBBLES, SEE PIPE INLET A 1/48, PIPE INLET B 3/48, PIPE OUTLET A 2/48, & PIPE OUTLET B 4/48

NOTE:

1. REGRADE TO 8" DEEP CONVEYANCE DITCH FOR LENGTH OF PROPERTY AND SEED OR SOD.
2. REGRADE DITCH END TO MATCH LANDING AREA ELEVATION.

23RD AVE NE
DRAINAGE PLAN 1/2

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
10:55am 34459						

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DES. CONST. GJS
SDOT PROJ. MGR. KAW
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MASAKO HIRANO STATE OF WASHINGTON 31234 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 25 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P25-26_23Ave_SD.dwg [PLAN X1] - HwangC Sep-15-05

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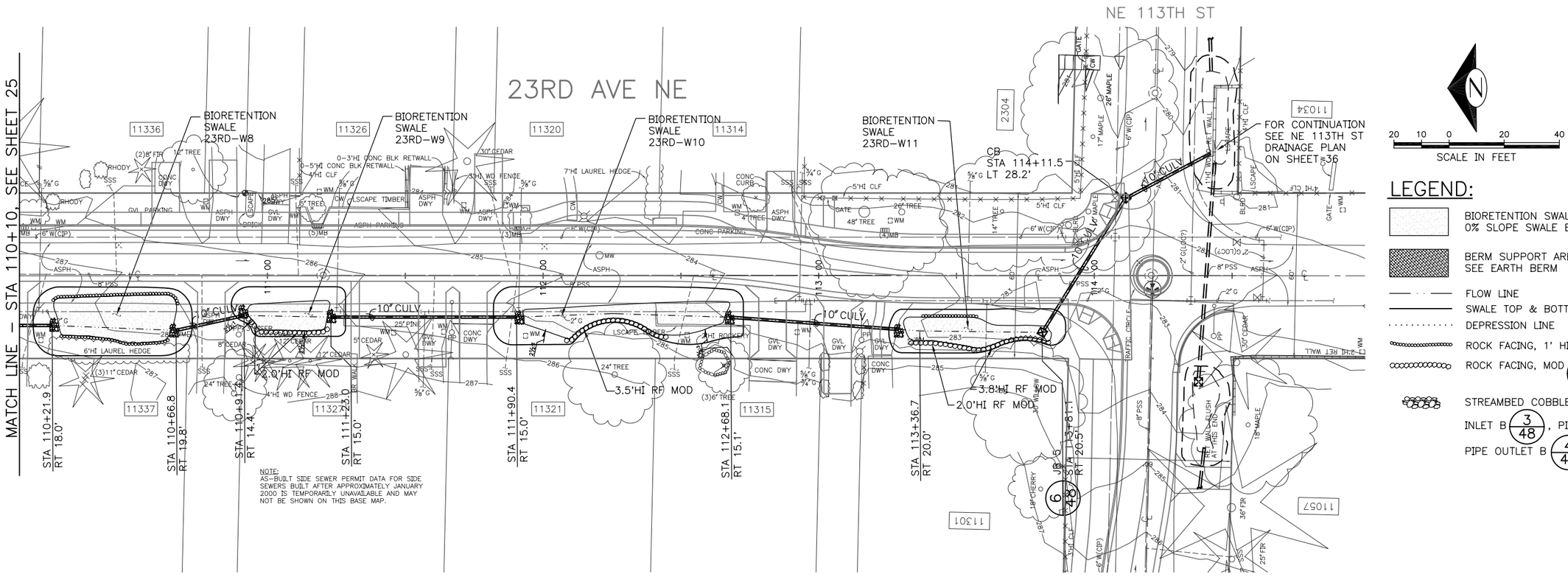

20 10 0 20 40
SCALE IN FEET

LEGEND:

- BIORETENTION SWALE, 0% SLOPE SWALE BOTTOM, SEE 1/47
- BERM SUPPORT AREA, SEE EARTH BERM 5/48
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- ROCK FACING, 1' HIGH 3/47
- ROCK FACING, MOD 5/47
- STREAMBED COBBLES, SEE PIPE INLET A 1/48, PIPE INLET B 3/48, PIPE OUTLET A 2/48, & PIPE OUTLET B 4/48

23RD AVE NE
DRAINAGE PLAN 2/2

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE BY	CHK'D	REV'D
Updated 344459	09-15-05					

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BY:
DIRECTOR, CONTRACTING SERVICES

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DESIGNED	REVIEWED:
CHECKED	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CDI 4/12/2005	RECEIVED
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MASATO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 26 OF 56

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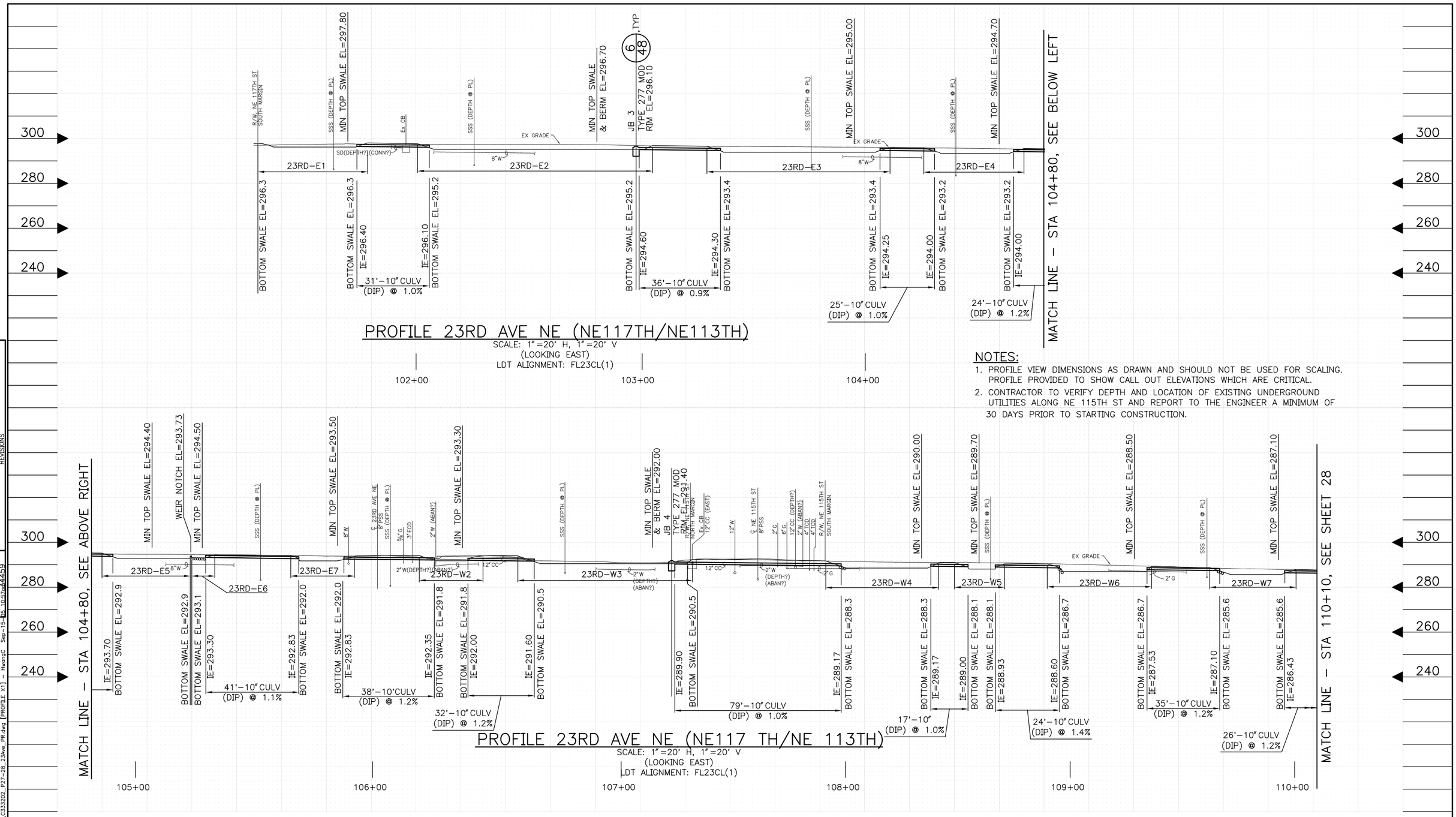

PROFILE 23RD AVE NE (NE117TH/NE113TH)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL23CL(1)

NOTES:

1. PROFILE VIEW DIMENSIONS AS DRAWN AND SHOULD NOT BE USED FOR SCALING. PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.
2. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES ALONG NE 115TH ST AND REPORT TO THE ENGINEER A MINIMUM OF 30 DAYS PRIOR TO STARTING CONSTRUCTION.

PROFILE 23RD AVE NE (NE117 TH/NE 113TH)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL23CL(1)

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

VAULT SERIAL NO. 44459

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P27-28_23Ave_PR.dwg [PROFILE X1] – HwangC Sep-15-

Xref Filename: | C333202_SPU–PlnSht | C333202_23rdAveNE_PR00 |

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

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CDI 4/12/2006	RECEIVED
CHECKED TMR 4/12/2006	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.

NAKATO HIRANO
STATE OF WASHINGTON
31234
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

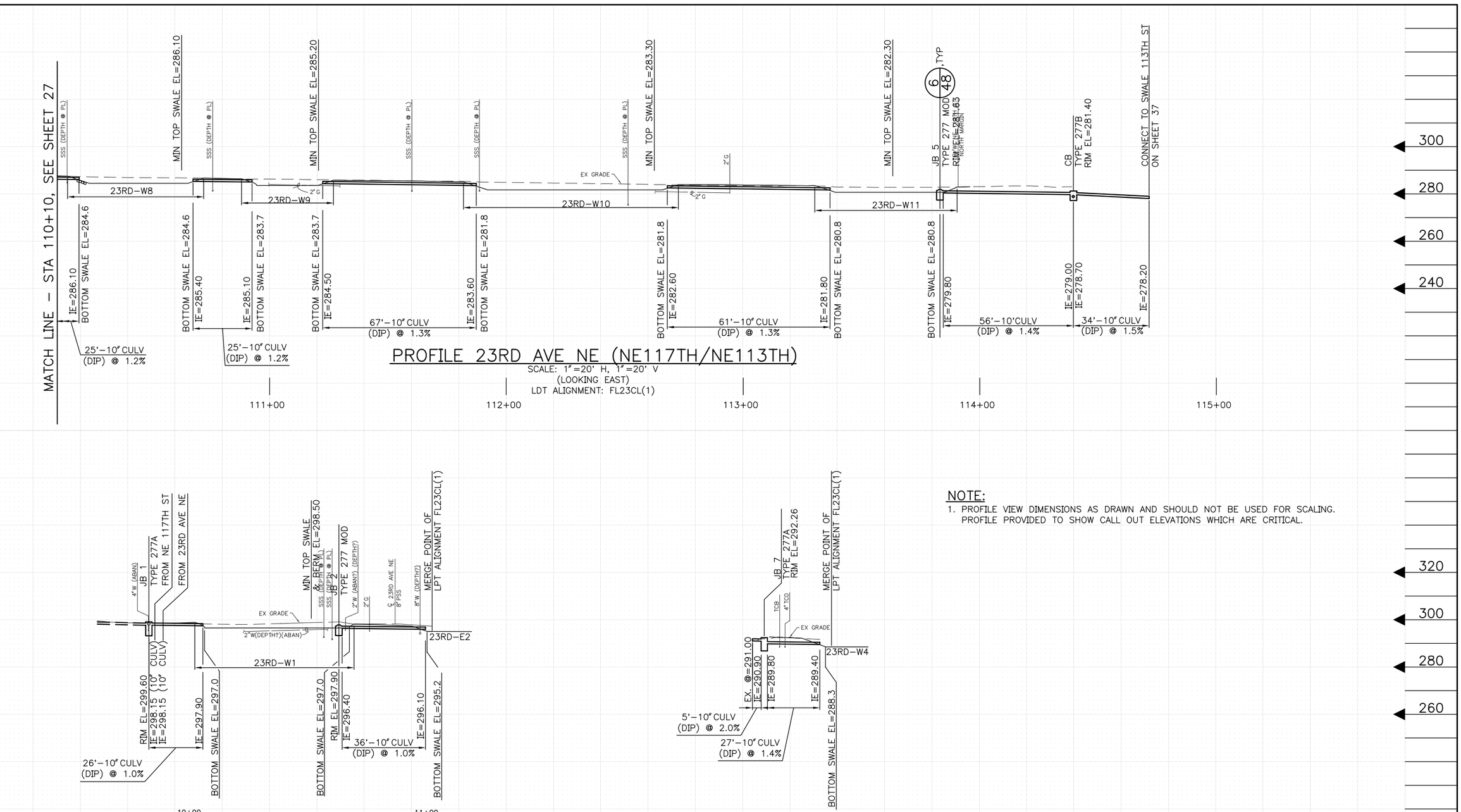
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 27 OF 56

23RD AVE NE
DRAINAGE PROFILE 1/2



PROFILE 23RD AVE NE (NE117TH/NE113TH)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL23CL(1)

PROFILE 117TH DITCH TO 23RD E–1

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL23CL(2)

PROFILE 115TH DITCH TO 23RD W–4

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL23CL(3)

NOTE:
1. PROFILE VIEW DIMENSIONS AS DRAWN AND SHOULD NOT BE USED FOR SCALING. PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.

23RD AVE NE
DRAINAGE PROFILE 2/2

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DIRECTOR, CONTRACTING SERVICES

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DRAWN	CDI 4/12/2005
CHECKED	TMR 4/12/2005

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

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MASATO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

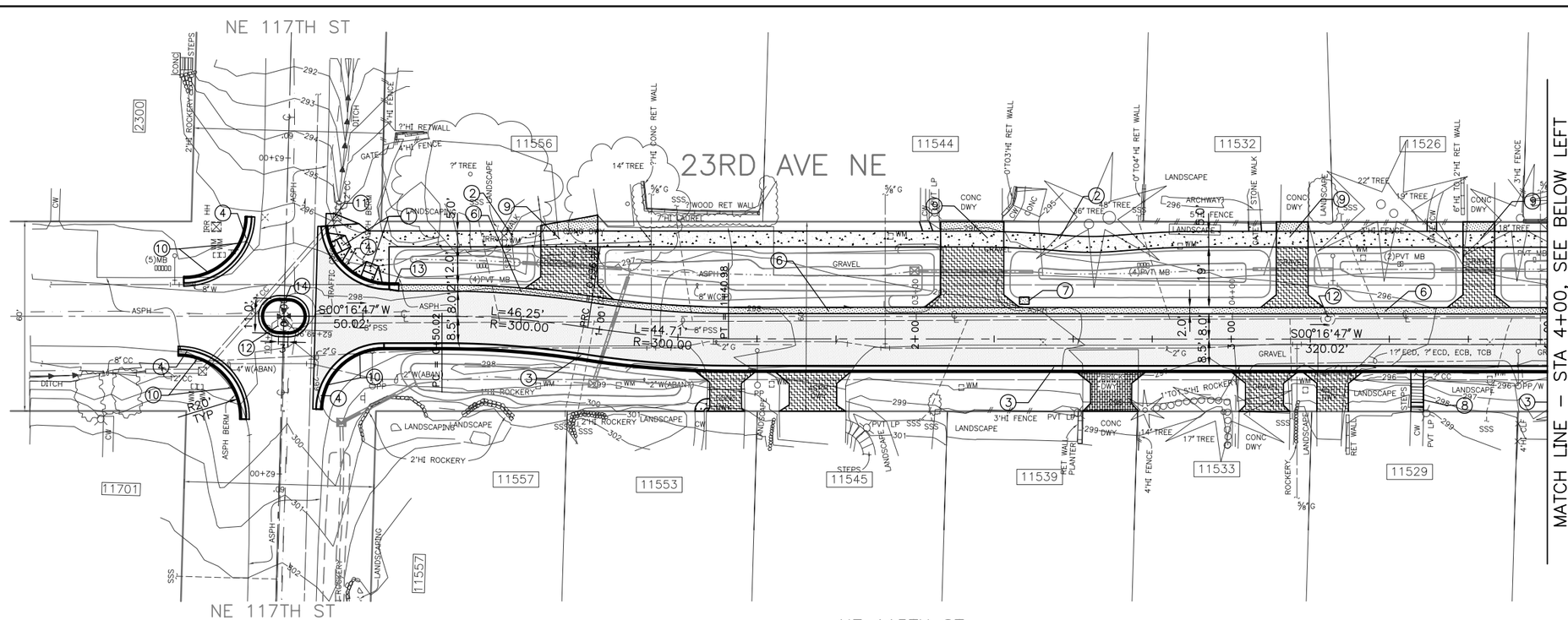
JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 28 OF 56

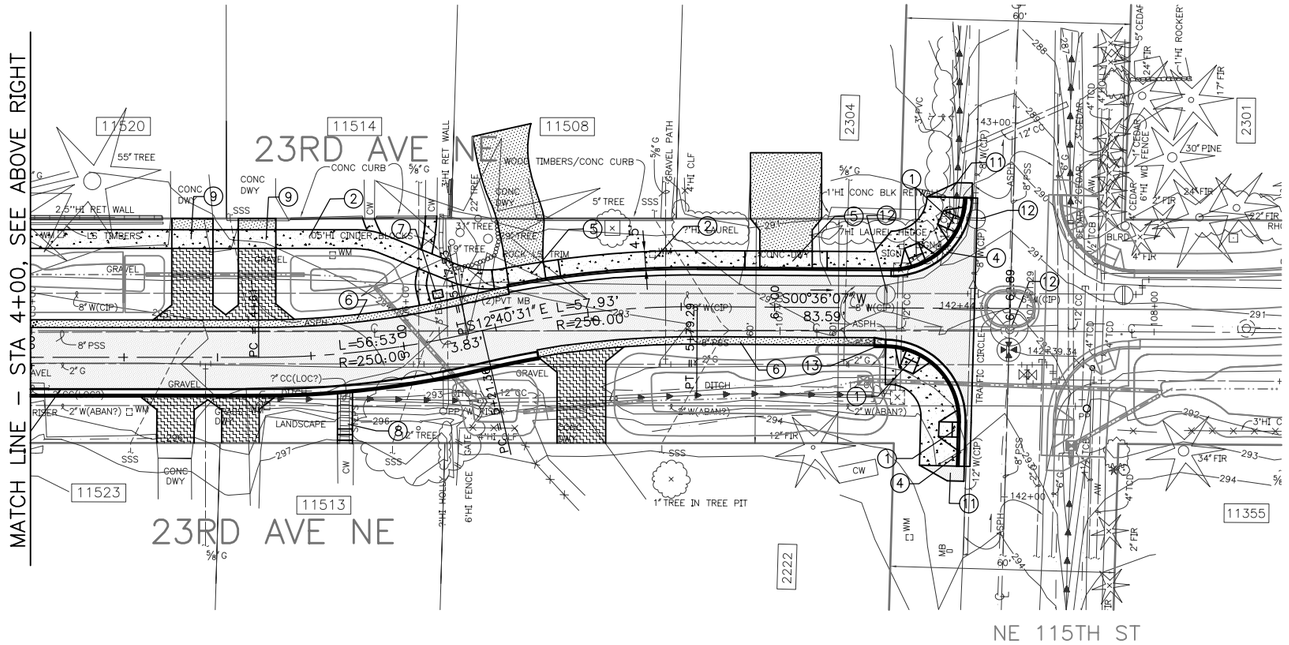
MARK	DATE	NATURE OF REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. 34459
Sep–15–2006

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P27–28_23We_PR.dwg [PROFILE V2] – HwangC

Xref Filename: | C333202_SPU–PlnSht | C333202_23rdAveNE_PR00 |





PAVING LEGEND:

- ASPH 1 – 3" CL A OVER 6" MNRL AGGR TYPE 2
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- CW – TYPE 420 EXCEPT WIDTH, SEE PAVING PLANS
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED
- CONC BAND

PAVING CONSTRUCTION ITEMS:

1. CONSTRUCT CURB RAMP PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX OF THE CONTRACT DOCUMENT.
2. CONSTRUCT SIDEWALK PER COS STANDARD PLAN NO 420, EXCEPT WIDTH AS SHOWN ON PLANS.
3. CONSTRUCT CURB AND GUTTER (410B) PER COS STANDARD PLAN NO 410. GUTTER PORTION GRADE SHALL MATCH PAVEMENT GRADE PER PAVING CROSS SECTION.
4. INSTALL CURB AND GUTTER (410B) THROUGH INTERSECTION CURB RETURNS PER COS STANDARD PLAN NO 410B. DEPRESS CURB THROUGH CURB RAMPS PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX.
5. CONSTRUCT TYPE 430B DRIVEWAY PER COS STANDARD PLAN NO 430.
6. CONSTRUCT CONCRETE BAND. PER PAVING CROSS SECTION.
7. CONSTRUCT CONCRETE PAD FOR LOCKING MAILBOX PER DETAIL 3/54
8. CONSTRUCT CEMENT CONCRETE STAIRWAY PER COS STANDARD PLAN NO 440A. SEE SPECIFIC DIMENSIONS PER DETAIL 1/53
9. CONCRETE DRIVEWAY PLACED W/SIDEWALK CONSTRUCTION PER COS STANDARD PLAN NO 431.
10. CENTER OF FUTURE CURB RAMP. DEPRESS CURB TO PROVIDE LOW POINT AND TRANSITIONS PER SDOT STANDARD PLAN.
11. CONSTRUCT ASPHALT CONCRETE CLASS A PATCH TO MATCH EXISTING GRADE.
12. ADJUST UTILITY STRUCTURE TO FINISH GRADE.
13. TRANSITION CURB HEIGHT IN 3' TO MATCH CONCRETE BAND.
14. CONSTRUCT TRAFFIC CIRCLE ACCORDING TO THE DETAIL SHOWN IN THE APPENDIX OF THE CONTRACT DOCUMENT.

20 10 0 20 40
SCALE IN FEET

23RD AVE NE (NE 117TH/NE 115TH ST)
PAVING PLAN 1/2

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

VAULT SERIAL NO. 34459

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P29_23AveNE)_PV.dwg [PLAN X1] – HwangC Sep-15-05

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1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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SEATTLE, WASHINGTON 20
BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
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	SDOT PROJ. MGR. KAW
DRAWN CDI 4/12/2005	RECEIVED
CHECKED TMR 4/12/2005	REVISED AS BUILT

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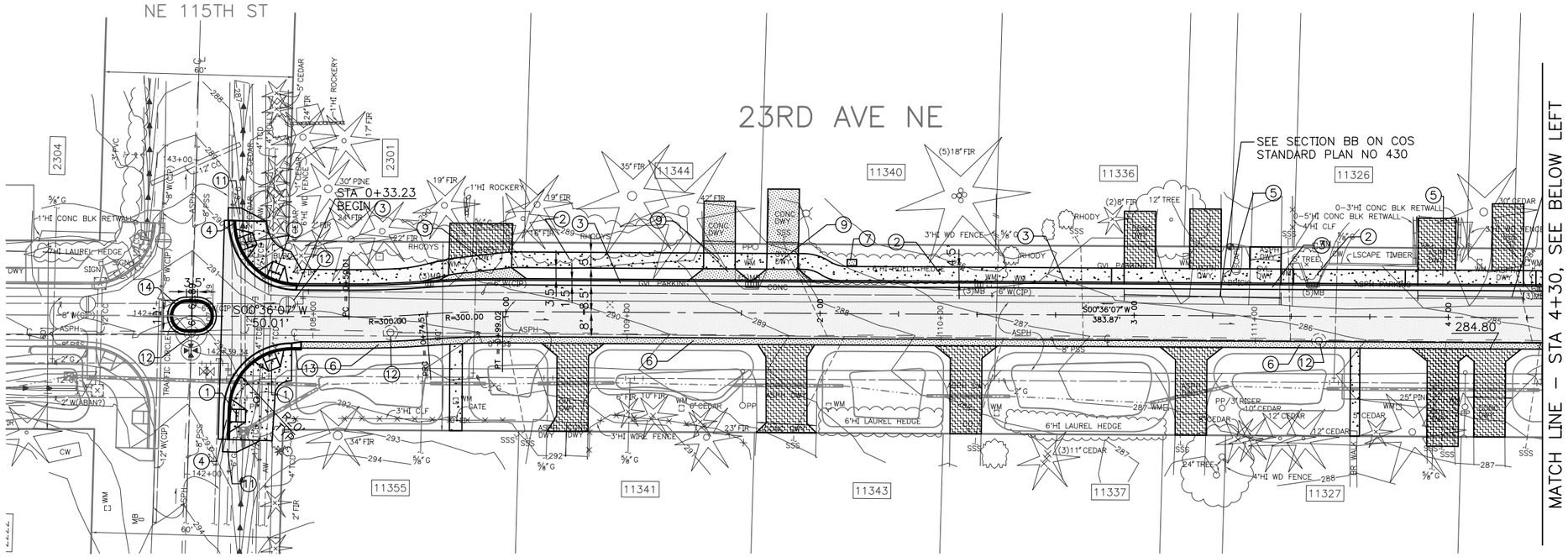
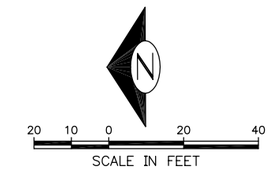
MARK HOLTAN NELSON STATE OF WASHINGTON 27612 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/11/

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 29 OF 56





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- ASPH 1 – 3" CL A OVER 6" MNRL AGGR TYPE 2
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- CW – TYPE 420 EXCEPT WIDTH, SEE PAVING PLANS
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6. CONSTRUCT CONCRETE BAND PER PAVING SEE CROSS SECTION.
7. CONSTRUCT CONCRETE PAD FOR LOCKING MAILBOX PER DETAIL 3/54
8. NOT USED.
9. CONCRETE DRIVEWAY PLACED W/SIDEWALK CONSTRUCTION PER COS STANDARD PLAN NO 431.
10. CENTER OF FUTURE CURB RAMP. DEPRESS CURB TO PROVIDE LOW POINT AND TRANSITIONS PER SDOT STANDARD PLAN.
11. CONSTRUCT PAVEMENT PATCH, MC250 TO MATCH EXISTING GRADE.
12. ADJUST UTILITY STRUCTURE TO FINISH GRADE.
13. TRANSITION CURB HEIGHT IN 3' TO MATCH CONCRETE BAND.
14. CONSTRUCT TRAFFIC CIRCLE ACCORDING TO THE DETAIL SHOWN IN THE APPENDIX OF THE CONTRACT DOCUMENT.

23RD AVE NE (NE 115TH/NE 113TH ST)
PAVING PLAN 2/2

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
1:02am 34459						

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P30_23Ave(S)_PV.dwg [PLAN X1] – HwangC Sep-15-05

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206-443-5300 Fax: 206-443-5372

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SEATTLE, WASHINGTON 20
BY:
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NAME OR INITIALS AND DATE
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CHECKED
DRAWN CCH 4/12/2005
CHECKED TMR 4/12/2005

INITIALS AND DATE
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DES. MHL CONST. GJS
SDOT PROJ. MGR. KAW
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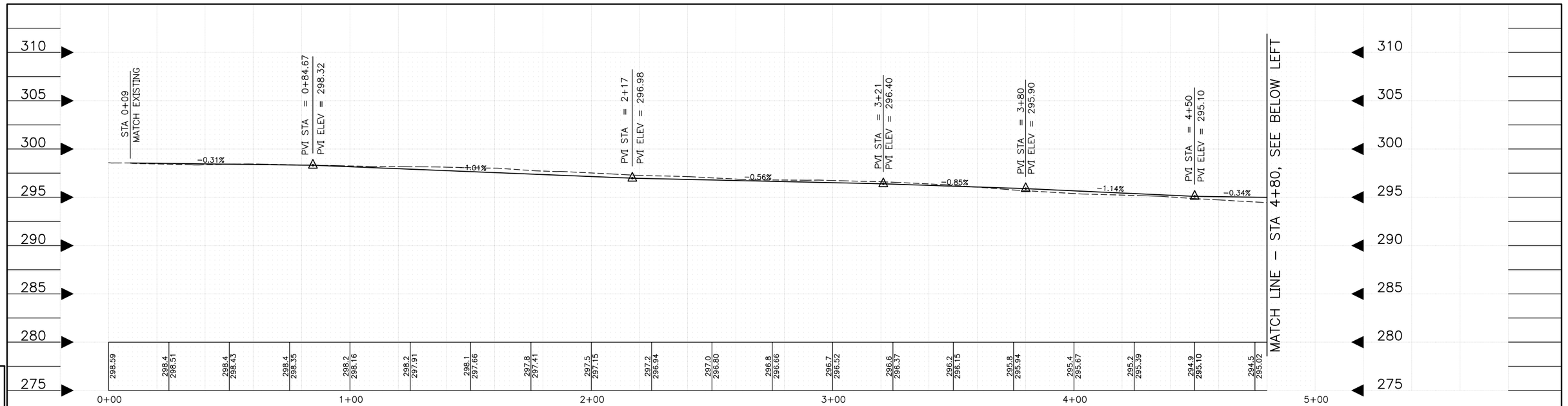
MARK HOPKINSON STATE OF WASHINGTON 27612 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/11/

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

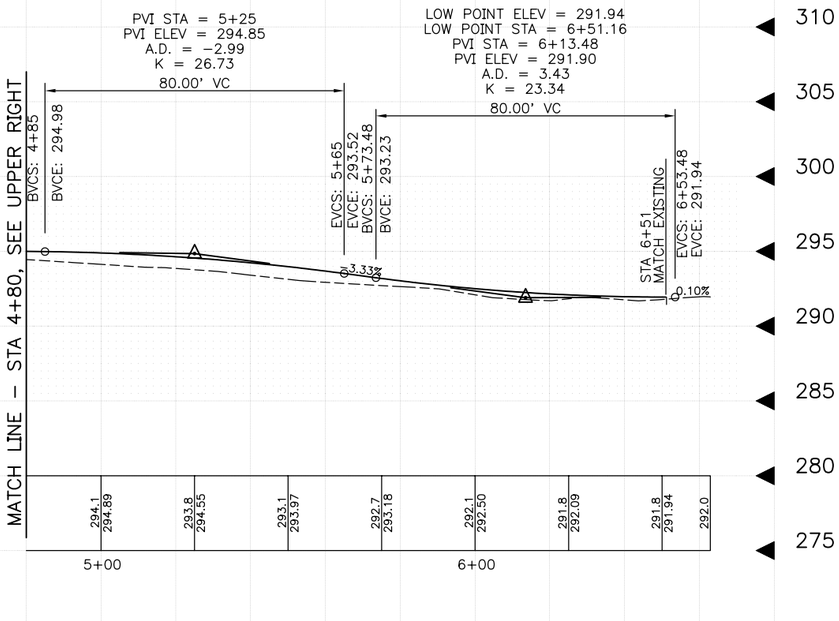
PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 30 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | C333202_Proj-View-Map | C333202_23rdAveNE_SD00 | C333202_23RDS_PV00 | C333202_113TH_PV00 | C333202_23RDN_PV00 | C333202_Paving_Legend_1 |



PROPOSED ROADWAY CONSTRUCTION CENTERLINE PROFILE "PV23NCL"



CROSS SLOPE PERCENTAGES AND TRANSITION, SEE ROADWAY CROSS SECTION ON SHEET 51

PROJECT:C333202–LDT_CONSULTANT_DESIGN_23RDN, ALIGNMENT:PV23NCL

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+09		MATCH EXISTING	0+09				
4 TO THE LEFT SWALE	0+9	4+57	4 TO THE LEFT SWALE	0+9	4+57	2, TOWARDS STREET	OR SWALE	
TRANSITION	4+57	4+61	TRANSITION	4+57	4+61			
2 TO THE LEFT SWALE	4+61	5+10	2 TO THE LEFT SWALE	4+61	5+10			
TRANSITION	5+10	5+13	TRANSITION	5+10	5+13			
1TO THE RIGHT SWALE	5+13	5+55	1TO THE RIGHT SWALE	5+13	5+55			
TRANSITION	5+55	5+60	TRANSITION	5+55	5+60			
1.5 TO THE RIGHT SWALE	5+60	5+65	1.5 TO THE RIGHT SWALE	5+60	5+65			
TRANSITION	5+65	5+70	TRANSITION	5+65	5+70			
2 TO RIGHT SWALE	5+70	6+30	2 TO RIGHT SWALE	5+70	6+30			

23RD AVE NE (NE 117TH/NE 115TH ST) PAVING PROFILE 1/2

NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
VAULT SERIAL NO. 34459						

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P31-23Ave(N)_PV-PR.dwg [PLAN X1] - HwangC Sep-15-2009 11:03:04

Xref Filename: | C333202_SPU-PlnSht | C333202_23RDN_PV_PR00 |

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DRAWN CDI 4/12/2009
CHECKED TMR 4/12/2005
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
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DES. MHL CONST. GJS
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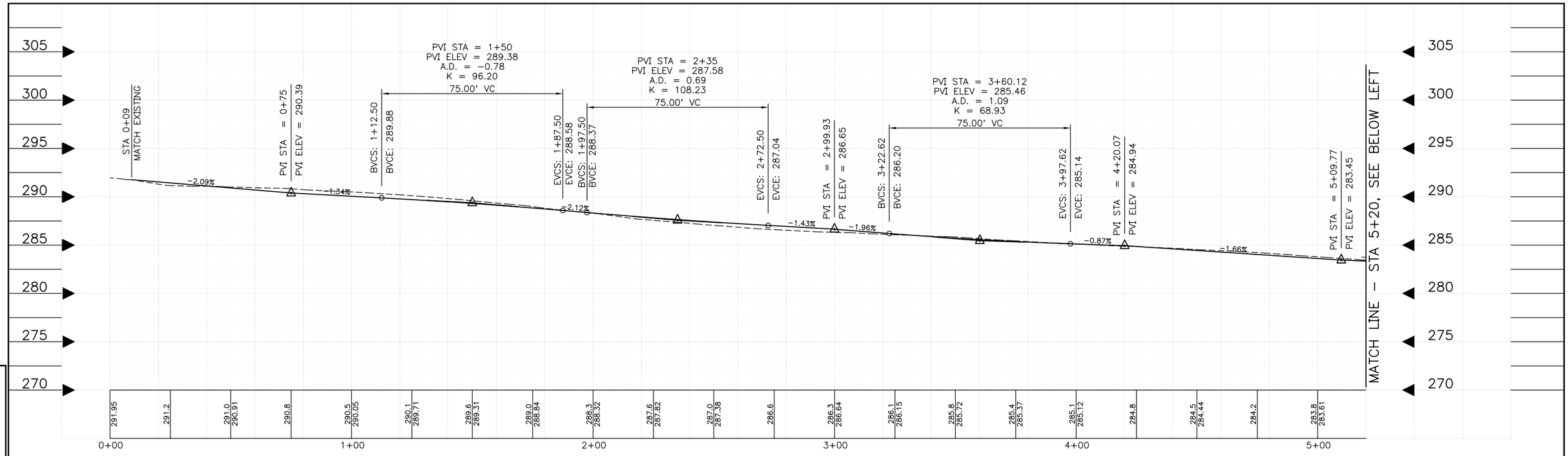
MARK HOPKINSON
STATE OF WASHINGTON
27612
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/11/

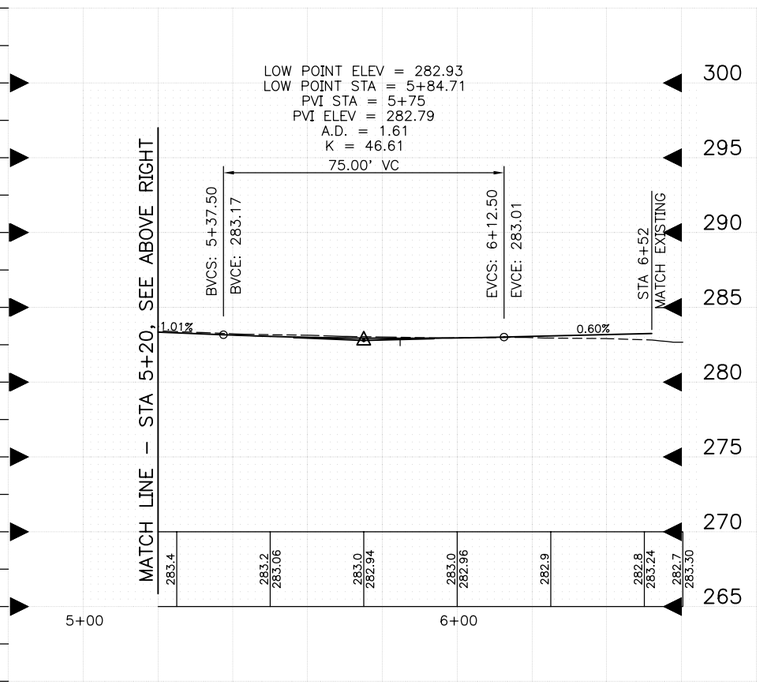
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO. APPROVED
FUND:
SCALE: H: 1"=20' V: 1"=5' INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 31 OF 56



PROPOSED ROADWAY CONSTRUCTION CENTERLINE PROFILE "23RDS"



CROSS SLOPE PERCENTAGES AND TRANSITION

PROJECT: C333202-LDT_CONSULTANT_DESIGN_23RDS, ALIGNMENT 23RDS

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% TOWARDS STREET		
2, TO WEST SWALE	0+19.5	6+30	2, TO WEST SWALE	0+19.5	6+30	SEE SPOT ELEVATIONS ON PLAN AT INTERSECTIONS		
MATCH EXISTING	6+30	6+60	MATCH EXISTING	6+30	6+60			
SEE SPOT ELEVATIONS AT THE INTERSECTION ON PLAN			SEE SPOT ELEVATIONS AT THE INTERSECTION ON PLAN					

23RD AVE NE (NE 115TH/NE 113TH ST)
PAVING PROFILE 2/2

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

VAULT SERIAL NO. 44459
Ltg Update
Sep-15-

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P02_23ave(S)_PV-PR.dwg [PLAN X1] - HwangC

Xref Filename: | C333202_SPU-PlnSht | C333202_23RDS_PV_PR00 |

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Seattle, Washington 98101
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SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE
DESIGNED		REVIEWED:
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DRAWN	CDI 4/12/2005	SDOT PROJ. MGR. KAW
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ORDINANCE NO. APPROVED
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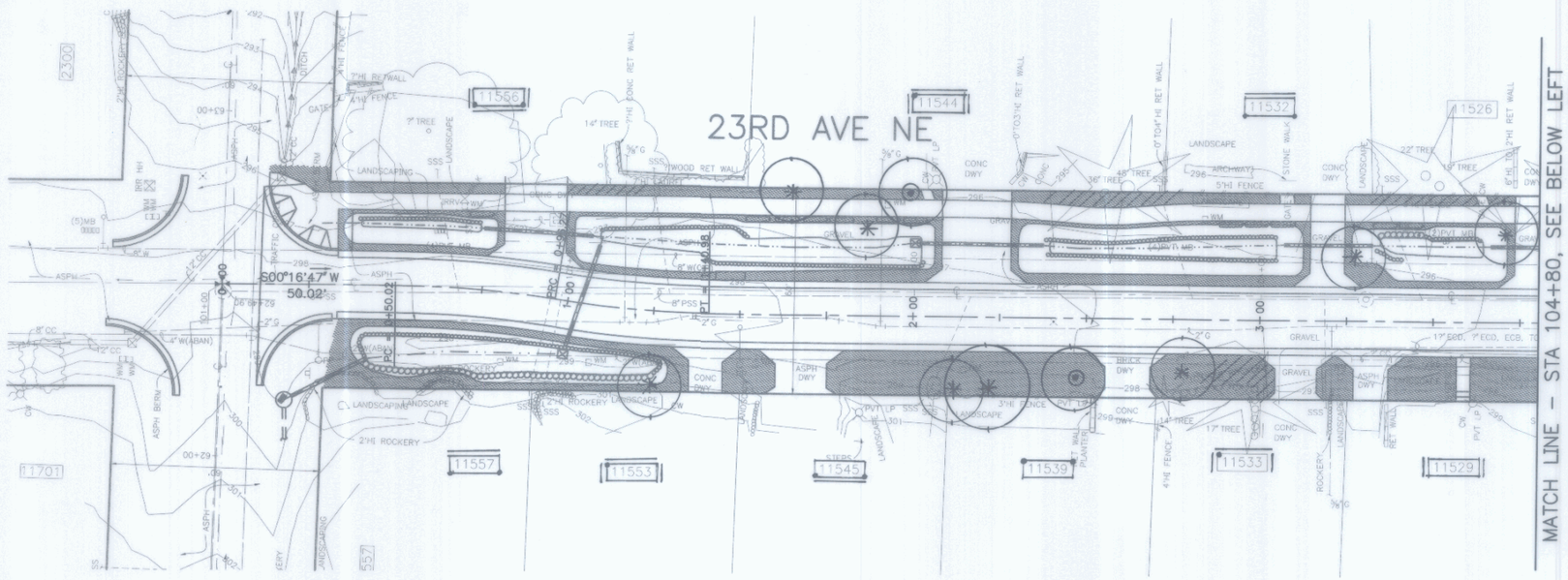
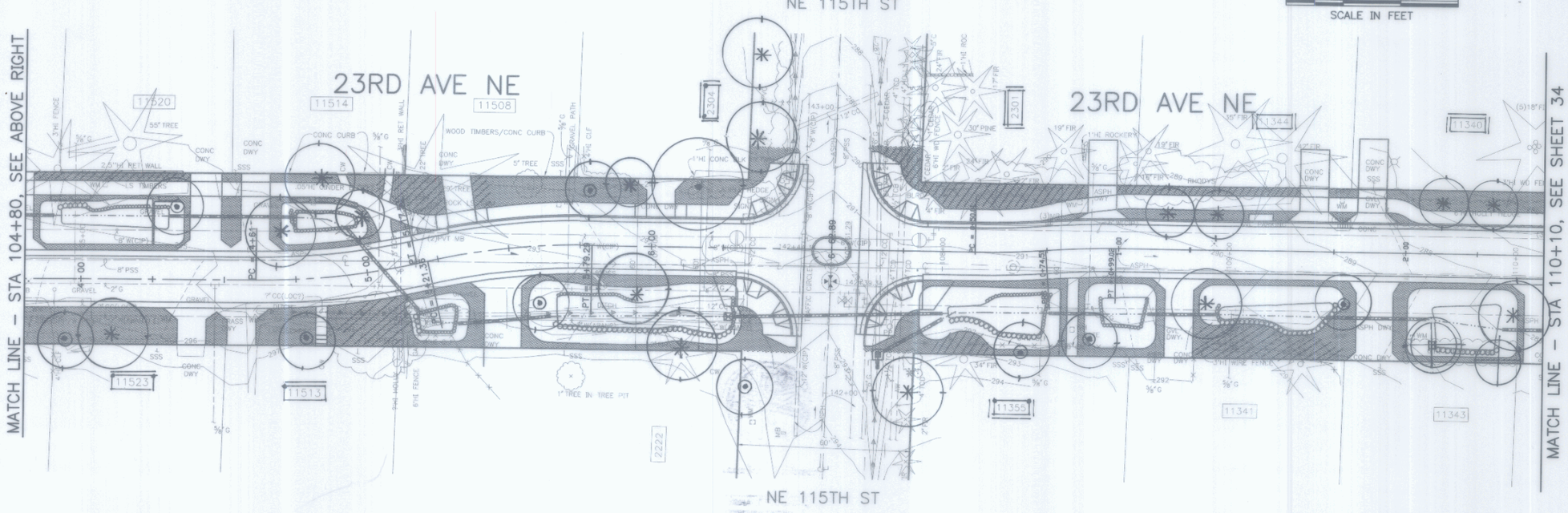
SCALE: H: 1"=20' V: 1"=5' INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 32 OF 56





TREE SYMBOL LEGEND

(FOR INFORMATION ONLY - TREES INSTALLED BY OTHERS)

LARGE DECIDUOUS TREES:
- TULIP TREE
- KATSURA TREE
- BLACK MAPLE
- TUPELO
- QUAKING ASPEN

LARGE CONIFERS:
- WESTERN RED CEDAR
- BALD CYPRESS

MEDIUM DECIDUOUS TREES:
- NORWEGIAN SUNSET MAPLE
- PACIFIC SUNSET MAPLE

MEDIUM CONIFERS:
- HOGAN CEDAR
- SHORE PINE

MEDIUM FLOWERING TREES:
- "EDDIE'S WHITE WONDER" DOGWOOD
- GALAXY MAGNOLIA

ACCENT CONIFERS:
- HINOKI CYPRESS

SMALL ACCENT TREES:
- AUTUMN BRILLIANCE SERVICEBERRY
- JAPANESE SNOWBELL TREE
- PURPLE-LEAFED HAZELNUT

LANDSCAPING LEGEND

- UPLAND REVEGETATION AREA - SEE SPECIAL PROVISIONS
- PLANTING AREA PREPARATION (BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES) - SEE SPECIAL PROVISIONS

N

20 10 0 20 40

SCALE IN FEET

LANDSCAPING NOTES

(SEE NEXT PAGE FOR LANDSCAPING NTOES)

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT

SHANE E. DeWALD

CERTIFICATE NO. 473

NO.	MARK	DATE	REVISIONS	MADE BY	CHK'D	APPR'D

VAULT SPRU NO. 777-606-33 | Date: 1-04-05 | Time: 3:44:49 | P:\Utility\C333202_Control_Dwgs\Plot_Files\C333202_P33-34_23Ave_LD.dwg [PLAN_X1] - HwangC

Property of City of Seattle

777-606-33

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: DES. CONST. GJS SDOT PROJ. MGR. KAW
CHECKED	
DRAWN CGH 4/12/05	RECEIVED
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Seattle Public Utilities | City of Seattle | Chuck Clarke, Director

ORDINANCE NO. | APPROVED

FUND:

SCALE: H.= 20' | INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

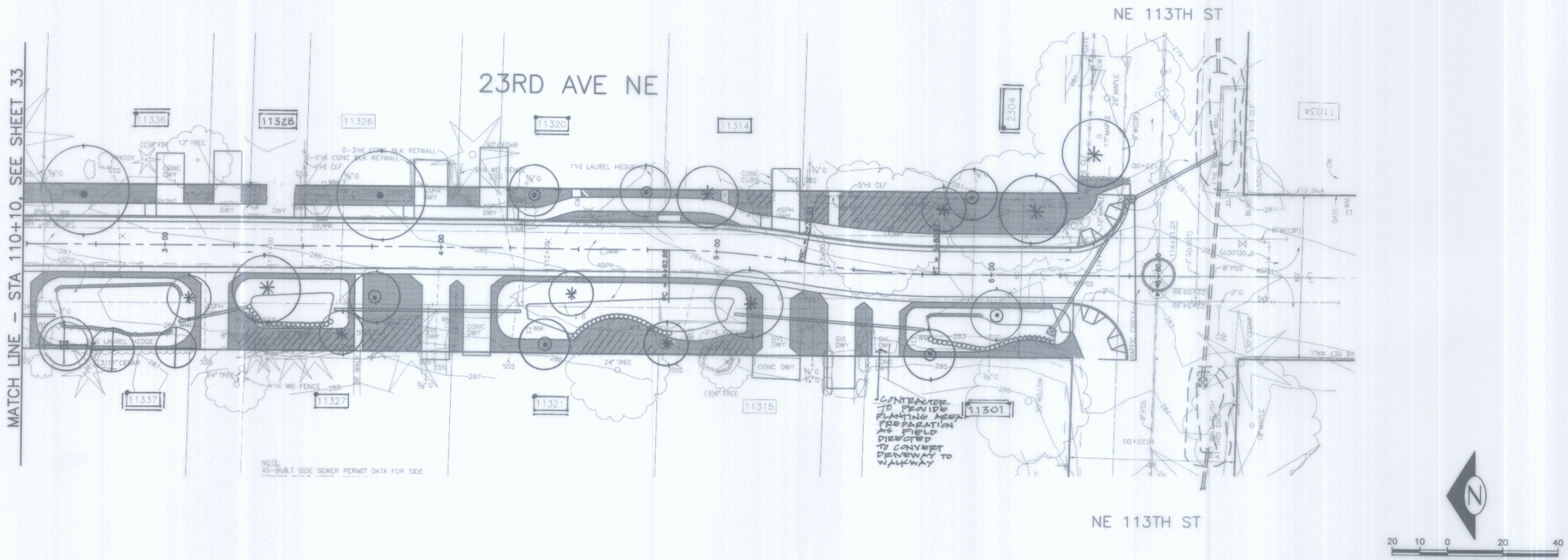
23RD AVE NE
LANDSCAPING PLAN 1/2

JOB NO. PC C333202 R/W CO

VAULT PLAN NO. 777-606

SHEET 33 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_Proj-View-Map | C333202_23RDN_PV00 | C333202_23RDS_PV00 | C333202_23rdAveNE_SD00 | C333202_BS00_Complete | Legend_LD |



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(FOR INFORMATION ONLY - TREES INSTALLED BY OTHERS)

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- SHORE PINE

ACCENT CONIFERS:
- HINOKI CYPRESS

LANDSCAPING LEGEND

UPLAND REVEGETATION AREA - SEE SPECIAL PROVISIONS

PLANTING AREA PREPARATION BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES - SEE SPECIAL PROVISIONS

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.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED BY LANDSCAPE ARCHITECT AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION (SEE SPECIAL PROVISIONS).

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

23RD AVE NE
LANDSCAPING PLAN 2/2

Property of City of Seattle 777-606-34	APPROVED FOR ADVERTISING KENNETH J. NAKATSU DEPARTMENT OF EXECUTIVE ADMINISTRATION SEATTLE, WASHINGTON 20 BY: DIRECTOR, CONTRACTING SERVICES	NAME OR INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED 4/12/05	INITIALS AND DATE REVIEWED: DES. CONST. GJS SDOT PROJ. MGR. KAW 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.

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 34 OF 56

VAULT SERIAL NO. 34459 | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

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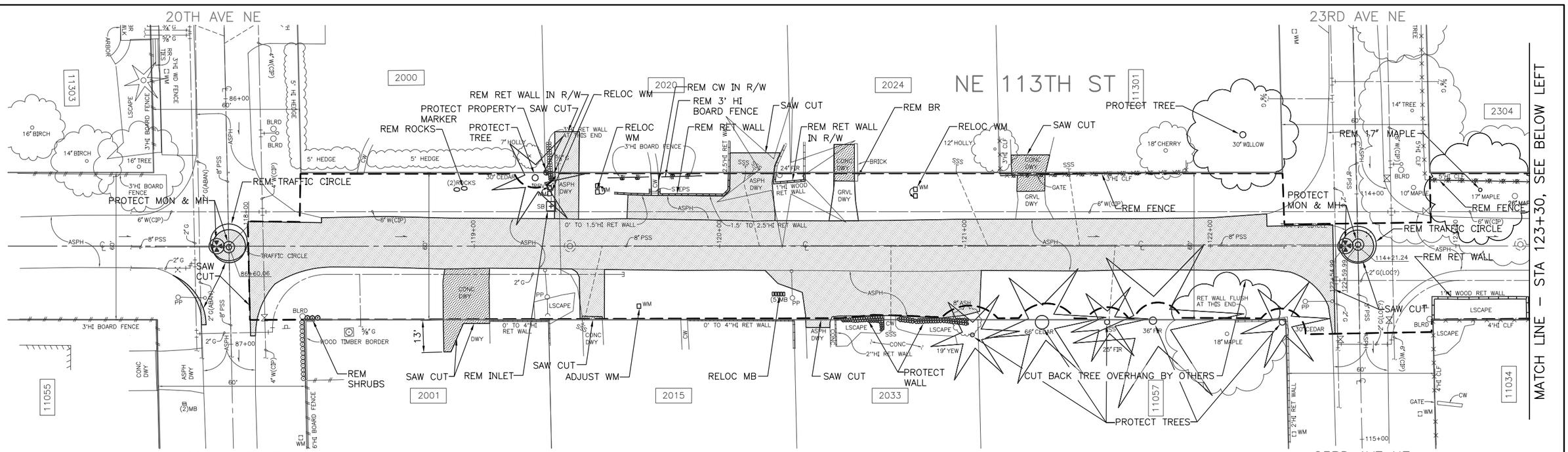
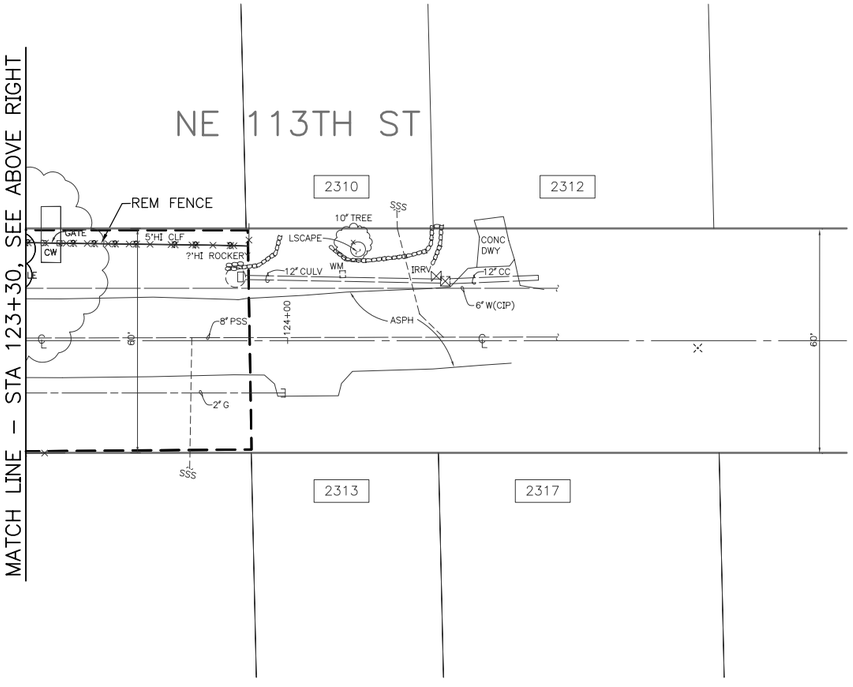


NOTE:
AS-BUILT SIDE SEWER PERMIT DATA FOR SIDE SEWERS BUILT AFTER APPROXIMATELY JANUARY 2000 IS TEMPORARILY UNAVAILABLE AND MAY NOT BE SHOWN ON THIS BASE MAP.



N

20 10 0 20 40
SCALE IN FEET

LEGEND

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

NOTES

UNLESS OTHERWISE NOTED:

1. FOR WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SEE NOTE 1, WATER NOTES ON SHEET 2
2. TREE PROTECTION PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY.
3. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
4. 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.
5. MAIL BOXES SHALL BE RELOCATED TO OR REPLACED BY CLUSTER MAILBOX, SEE PAVING PLAN.
6. FOR GAS MAIN ADJUSTMENT OR RELOCATION SEE NOTE 1, GAS NOTES ON SHEET 2.

NE 113TH ST
REMOVAL, RELOCATE & PROTECTION PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459						

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

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE
DESIGNED
CHECKED
DRAWN CCH 4/12/2005
CHECKED TMR 4/12/2005

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

MASAKO HIRANO
STATE OF WASHINGTON
31234
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

PINEHURST GREEN GRID
NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 35 OF 56

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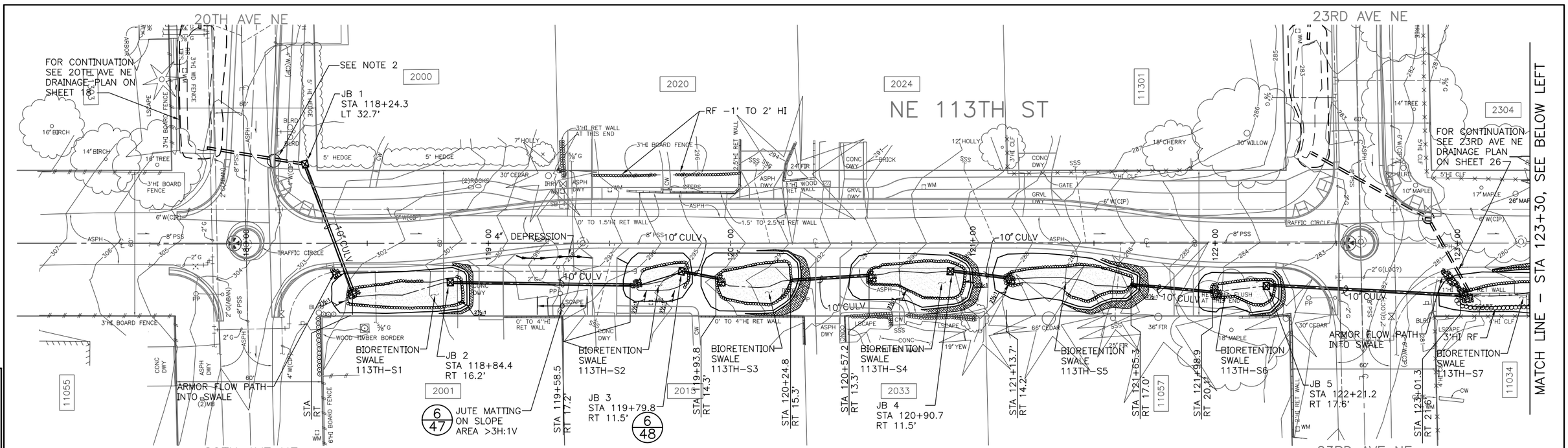

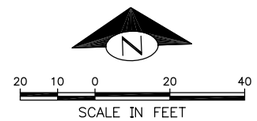

LEGEND:

- BIORETENTION SWALE, 0% SLOPE SWALE BOTTOM, SEE 1/47
- BERM SUPPORT AREA, SEE EARTH BERM 5/48
- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- ROCK FACING, 1' HIGH 3/47
- ROCK FACING, MOD 5/47
- STREAMBED COBBLES, SEE PIPE INLET A 1/48, PIPE INLET B 3/48, PIPE OUTLET A 2/48, & PIPE OUTLET B 4/48

NOTE:

1. BIORETENTION SWALES SHALL USE JUTE MATTING PLACEMENT ON ROAD SIDE OF ALL SWALES SEE 6/47

NE 113TH ST
DRAINAGE PLAN

VAULT SERIAL NO. 34459	DATE	MARK	NATURE REVISIONS

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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DRAWN	CDI 4/12/2005
CHECKED	TMR 4/12/2005

INITIALS AND DATE	
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DES.	CONST. GJS
SDOT	PROJ. MGR. KAW
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MASATO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 36 OF 56

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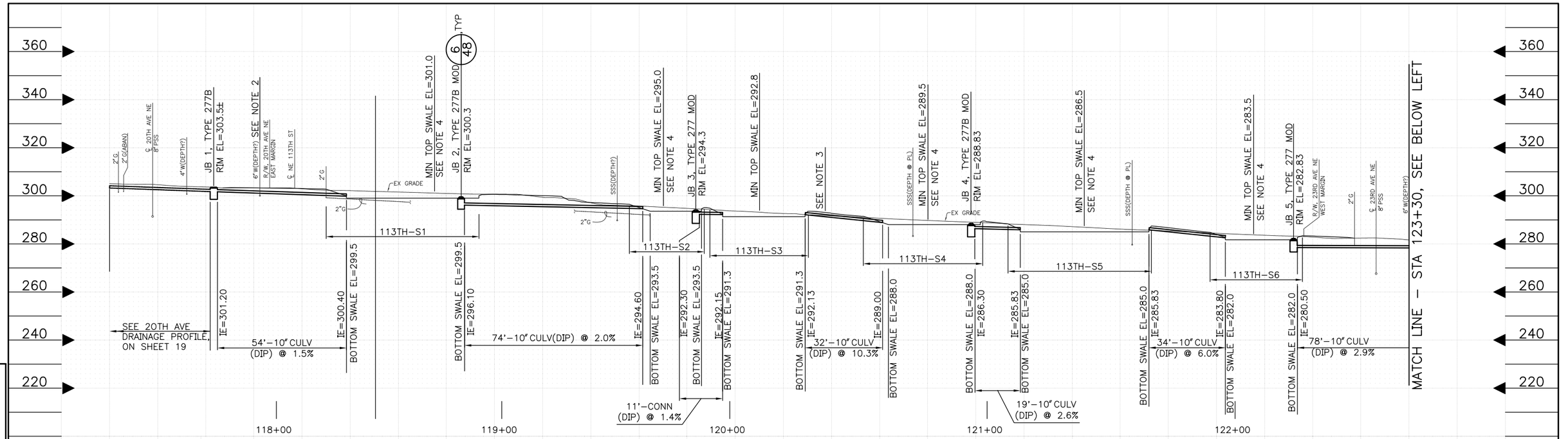
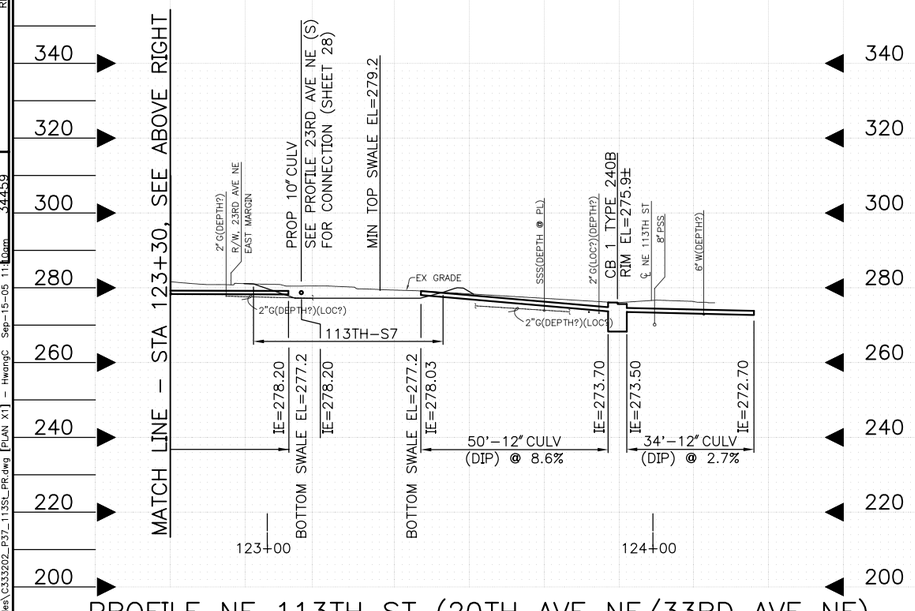


PROFILE NE 113TH ST (20TH AVE NE/33RD AVE NE)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL113CL



PROFILE NE 113TH ST (20TH AVE NE/33RD AVE NE)

SCALE: 1"=20' H, 1"=20' V
(LOOKING EAST)
LDT ALIGNMENT: FL113CL

NOTES:

1. PROFILE VIEW DIMENSIONS AS DRAWN AND SHOULD NOT BE USED FOR SCALING. PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.
2. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING WATERMAIN AND REPORT TO ENGINEER A MINIMUM OF 30 DAYS PRIOR TO STARTING CONSTRUCTION ON 113TH.
3. FILL AT POWER POLE IS APPROXIMATELY 1.6 FEET. SEE GRADING NOTE #4, SHEET 2.
4. MINIMUM HEIGHT OF BERM ON SOUTH SIDE OF SWALE FLOW LINE SHALL BE 0.5 FEET HIGHER THAN MINIMUM TOP SWALE ELEVATION.

NE 113TH ST
DRAINAGE PROFILE

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

VAULT SERIAL NO. 34459

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	DES. CONST. GJS
DRAWN CGH 4/12/2006	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2006	RECEIVED
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.	REVISED AS BUILT

STATE OF WASHINGTON 31234 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID
NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO

VAULT PLAN NO. 777–606

SHEET 37 OF 56

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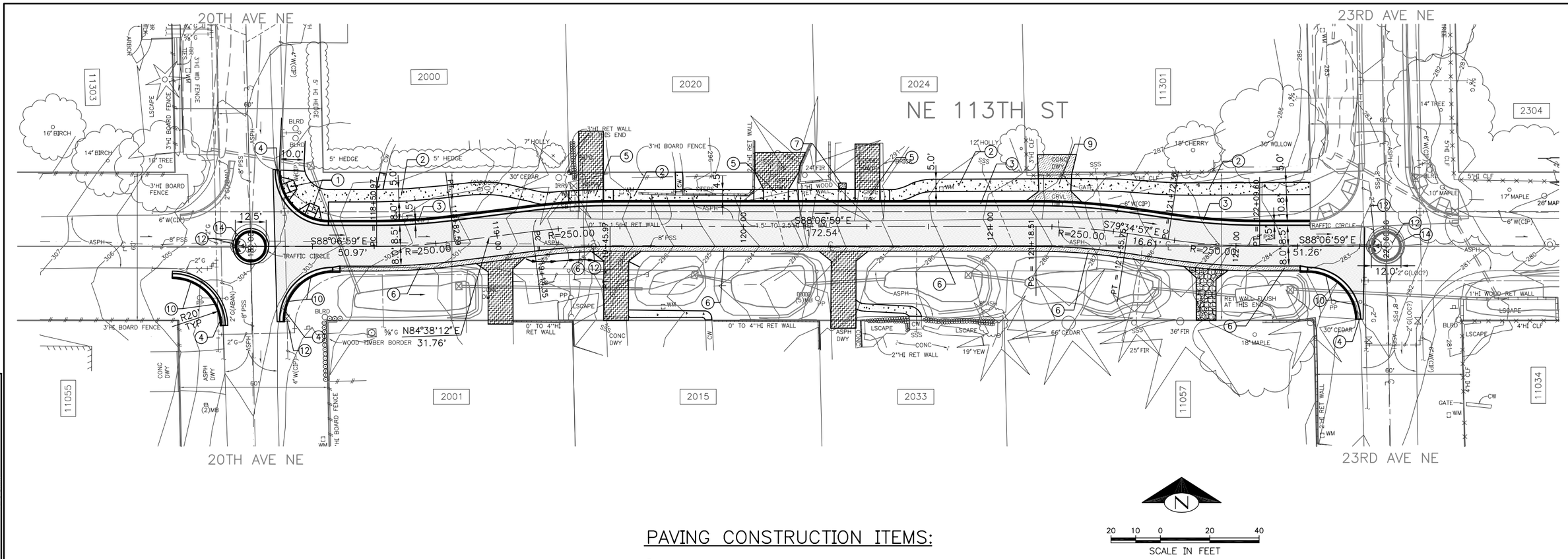

N

20 10 0 20 40

SCALE IN FEET

PAVING CONSTRUCTION ITEMS:

1. CONSTRUCT CURB RAMP PER COS STANDARD 422A AS REQUIRED, SEE APPENDIX OF THE CONTRACT DOCUMENT.
2. CONSTRUCT SIDEWALK PER COS STANDARD PLAN NO 420, EXCEPT WIDTH AS SHOWN ON PLANS.
3. CONSTRUCT CURB AND GUTTER (410B) PER COS STANDARD PLAN NO 410. GUTTER PORTION GRADE SHALL MATCH PAVEMENT GRADE PER PAVING CROSS SECTION.
4. INSTALL CURB AND GUTTER (410B) THROUGH INTERSECTION CURB RETURNS PER COS STANDARD PLAN NO 410B. DEPRESS CURB THROUGH CURB RAMPS PER COS STANDARD PLAN NO 422A AS REVISED, SEE APPENDIX.
5. CONSTRUCT TYPE 430B DRIVEWAY PER COS STANDARD PLAN NO 430.
6. CONSTRUCT CONCRETE BAND PER PAVING CROSS SECTION.
7. CONSTRUCT CONCRETE PAD FOR LOCKING MAILBOX PER DETAIL 3/54
8. NOT USED
9. CONCRETE DRIVEWAY PLACED W/SIDEWALK CONSTRUCTION PER COS STANDARD PLAN NO 431.
10. CENTER OF FUTURE CURB RAMP. DEPRESS CURB TO PROVIDE LOW POINT AND TRANSITIONS PER SDOT STANDARD PLAN.
11. CONSTRUCT PAVEMENT PATCH, MC250 TO MATCH EXISTING GRADE.
12. ADJUST UTILITY STRUCTURE TO FINISH GRADE.
13. TRANSITION CURB HEIGHT IN 3' TO MATCH CONCRETE BAND.
14. CONSTRUCT TRAFFIC CIRCLE ACCORDING TO THE DETAIL SHOWN IN THE APPENDIX OF THE CONTRACT DOCUMENT.

PAVING LEGEND:

- ASPH 1 – 3" CL A OVER 6" MNRL AGGR TYPE 2
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- CW – TYPE 420 EXCEPT WIDTH, SEE PAVING PLANS
- WCR MODIFIED
- CONC DWY – 6" TYPE 430A OR MODIFIED
- CONC BAND
- GRAVEL GEOGRID

NE 113TH ST
PAVING PLAN

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

VAULT SERIAL NO. 34459

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TETRA TECH/ KCM
1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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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	REVIEWED: DES. MHL CONST. GJS SDOT PROJ. MGR. KAW
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DRAWN CGH 4/12/2005	RECEIVED
CHECKED TMR 4/12/2005	REVISED AS BUILT

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MARK HOPKINSON STATE OF WASHINGTON 27612 REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/11/

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

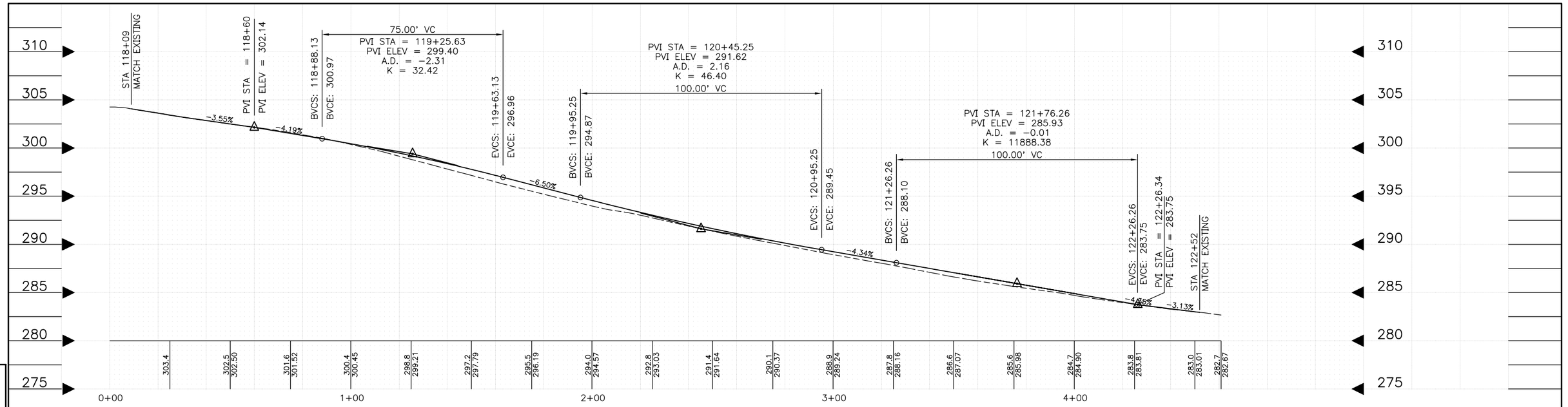
PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO

VAULT PLAN NO. 777-606

SHEET 38 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | C333202_Proj-View-Map | C333202_113th_SD00 | C333202_113TH_PV00 | C333202_23RDS_PV00 | C333202_20THS_PV00 | C333202_Paving_Legend_3 |



PROPOSED ROADWAY CONSTRUCTION CENTERLINE PROFILE "PV113CL"

CROSS SLOPE PERCENTAGES AND TRANSITION. SEE ROADWAY SECTIONS ON SHEET52

PROJECT: C33202-LDT_113TH_CD, ALIGNMENT: PV113SCL

NORTH SIDE			SOUTH SIDE			SIDEWALK		
% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄	START STATION	END STATION	% SLOPE FROM ℄		
MATCH EXISTING	118+30.00		MATCH EXISTING	118+30.00			START STATION	END STATION
2, TO SOUTH SWALE	118+30.00	122+35	2, TO SOUTH SWALE	118+30.00	122+35	2, TOWARDS STREET	118+30.00	122+35
SEE SPOT ELEVATIONS AT INTERSECTION ON PLAN			SEE SPOT ELEVATIONS AT INTERSECTION ON PLAN			SEE SPOT ELEVATIONS AT INTERSECTION ON PLAN		
						SIDEWALK DRAINS AT 2% TOWARDS STREET		

NE 113TH ST
PAVING PROFILE

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
11:13am 34459						

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1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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

NAME OR INITIALS AND DATE
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DRAWN CCH 4/12/2005
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MARK HOPKINSON
STATE OF WASHINGTON
27612
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/11/

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO. APPROVED
FUND:
SCALE: H: 1"=20' V: 1"=5' INSPECTOR'S BOOK

PINEHURST GREEN GRID
NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 39 OF 56

Xref Filename: | C333202_SPU-PlnSht | C333202_113th_PV_PR00 |

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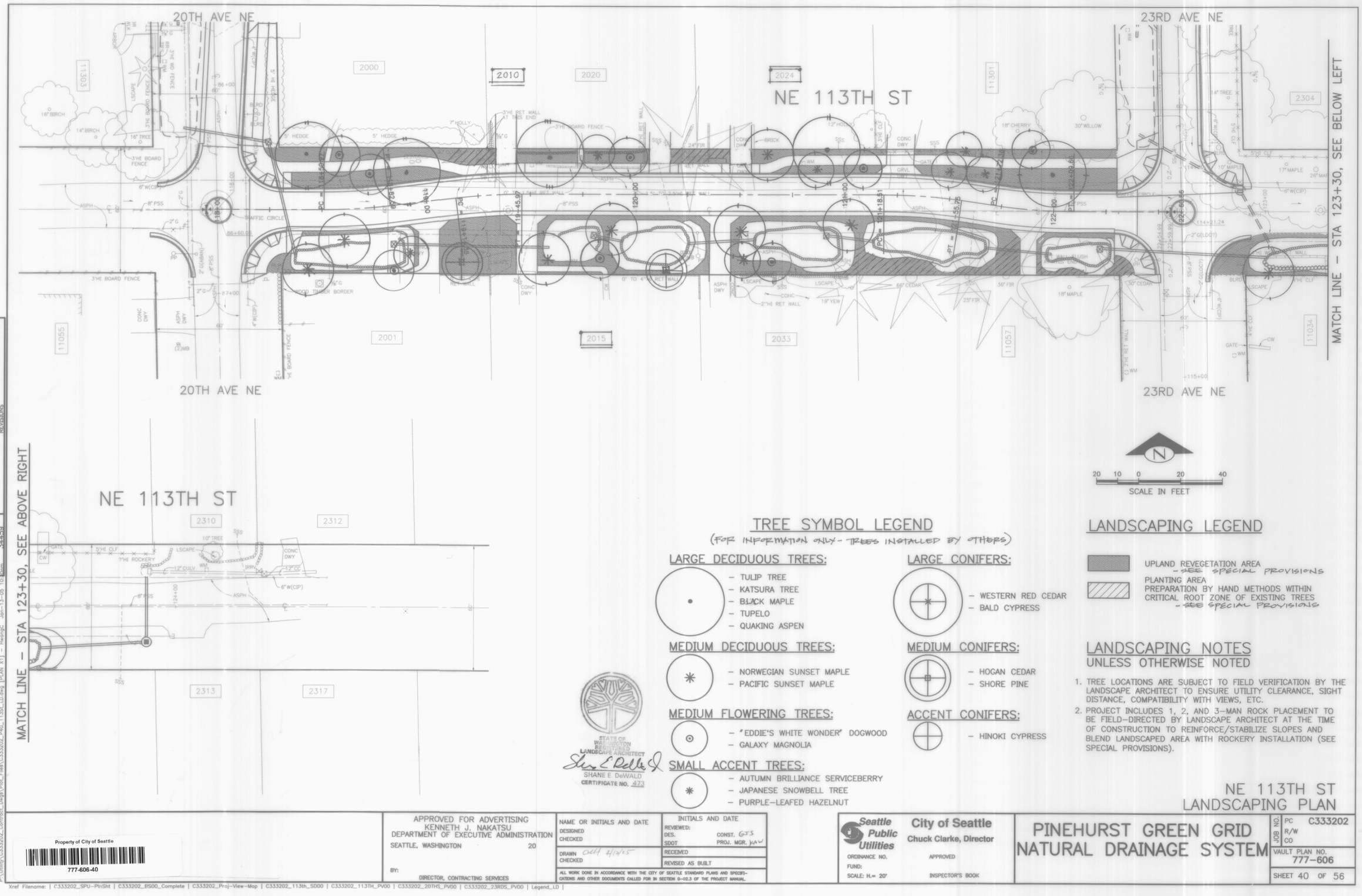

TREE SYMBOL LEGEND

(FOR INFORMATION ONLY - TREES INSTALLED BY OTHERS)

LARGE DECIDUOUS TREES:
- TULIP TREE
- KATSURA TREE
- BLACK MAPLE
- TUPELO
- QUAKING ASPEN

MEDIUM DECIDUOUS TREES:
- NORWEGIAN SUNSET MAPLE
- PACIFIC SUNSET MAPLE

MEDIUM FLOWERING TREES:
- 'EDDIE'S WHITE WONDER' DOGWOOD
- GALAXY MAGNOLIA

SMALL ACCENT TREES:
- AUTUMN BRILLIANCE SERVICEBERRY
- JAPANESE SNOWBELL TREE
- PURPLE-LEAFED HAZELNUT

LARGE CONIFERS:
- WESTERN RED CEDAR
- BALD CYPRESS

MEDIUM CONIFERS:
- HOGAN CEDAR
- SHORE PINE

ACCENT CONIFERS:
- HINOKI CYPRESS

LANDSCAPING LEGEND

- UPLAND REVEGETATION AREA – SEE SPECIAL PROVISIONS
- PLANTING AREA PREPARATION BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES – SEE SPECIAL PROVISIONS

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.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED BY LANDSCAPE ARCHITECT AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION (SEE SPECIAL PROVISIONS).

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

NE 113TH ST
LANDSCAPING PLAN

NO.	NATURE REVISIONS	DATE	MARK	MADE CHK'D	REV'D
VAULT SERIAL NO. 34459					

Property of City of Seattle
777-606-40

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
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CHECKED	DES. CONST. GJS
DRAWN DCH 4/24/15	SDOT PROJ. MGR. KAW
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Seattle Public Utilities
ORDINANCE NO.
FUND:
SCALE: H.= 20'

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 40 OF 56

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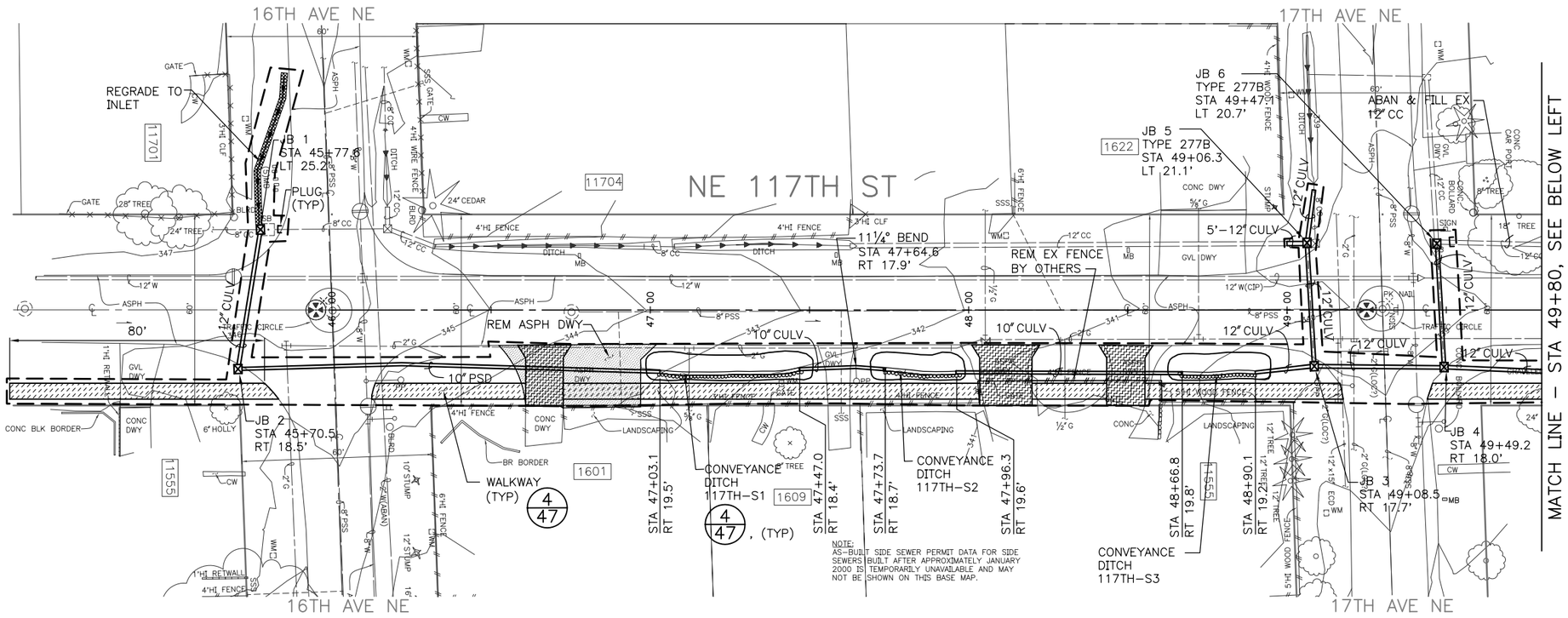

N

20 10 0 20 40

SCALE IN FEET

LEGEND:

- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- ROCK FACING, 1' HIGH (3/47)
- ROCK FACING, MOD (5/47)
- STREAMBED COBBLES, SEE PIPE INLET B (3/48) & PIPE OUTLET A (2/48)
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- WALKWAY (4/47)
- CLEAR AND GRUB LIMITS
- REGRADE WITH DEPRESSION, RESTORE WITH SOD

NE 117TH ST
REMOVAL, DRAINAGE, & PAVING PLAN

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
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MASAKO HIRANO
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31234
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EXPIRES 11/06/2006

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JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 41 OF 56

VAULT SERIAL NO. 11:17am 34459 | DATE | MARK | NATURE REVISIONS | MADE | CHK'D | REV'D

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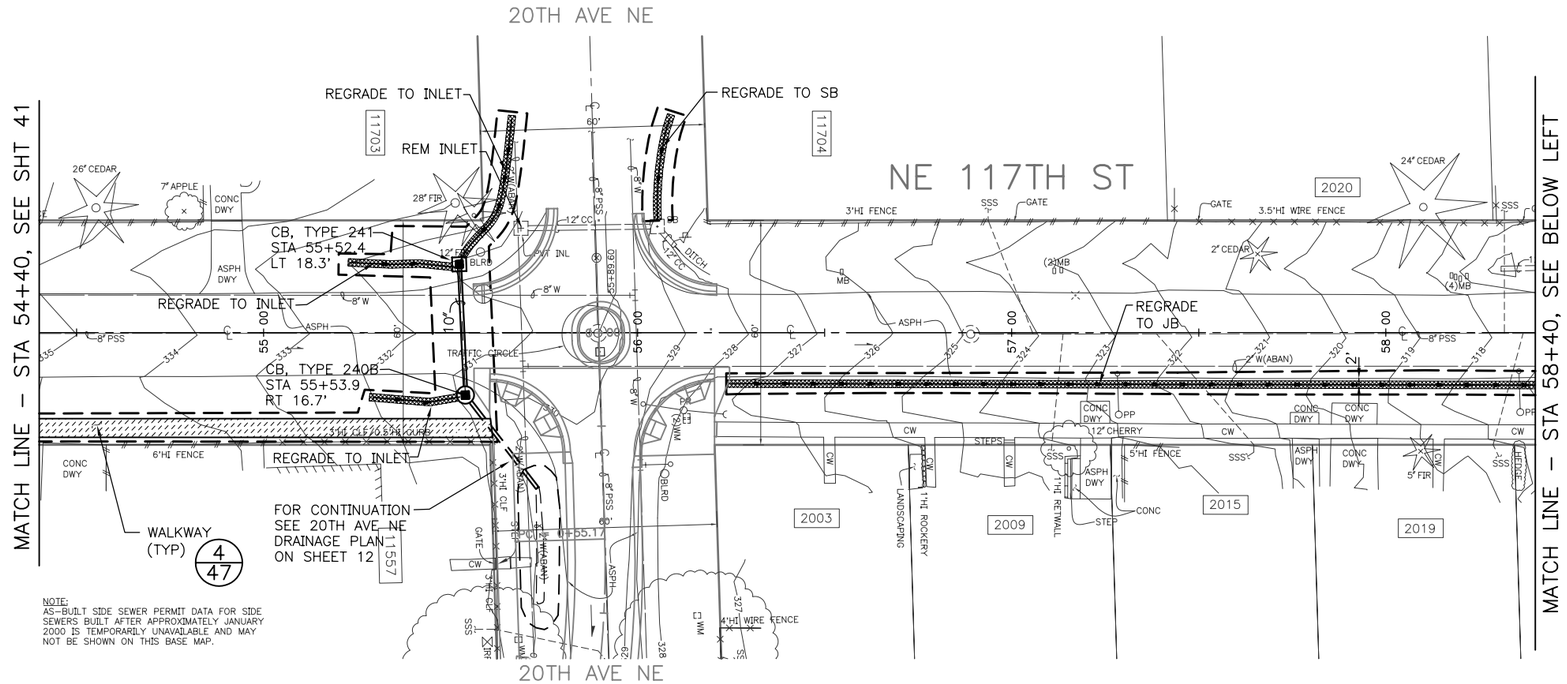


N

20 10 0 20 40

SCALE IN FEET

LEGEND:

- FLOW LINE
- SWALE TOP & BOTTOM
- DEPRESSION LINE
- ROCK FACING, 1' HIGH 3/47
- ROCK FACING, MOD 5/47
- STREAMBED COBBLES, SEE PIPE INLET B 3/48 & PIPE OUTLET A 2/48
- ASPH 3 – 3" CL A OVER 4" MNRL AGGR TYPE 2
- WALKWAY 4/47
- CLEAR AND GRUB LIMITS
- REGRADE WITH DEPRESSION, RESTORE WITH SOD

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

VAULT SERIAL NO. 344459 Li:\Sun_344459

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	DES. CONST. GJS
DRAWN CGI 4/12/2006	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2005	RECEIVED
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.	REVISED AS BUILT

MASATO HIRANO 31234 STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

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

NE 117TH ST REMOVAL, DRAINAGE, & PAVING PLAN

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

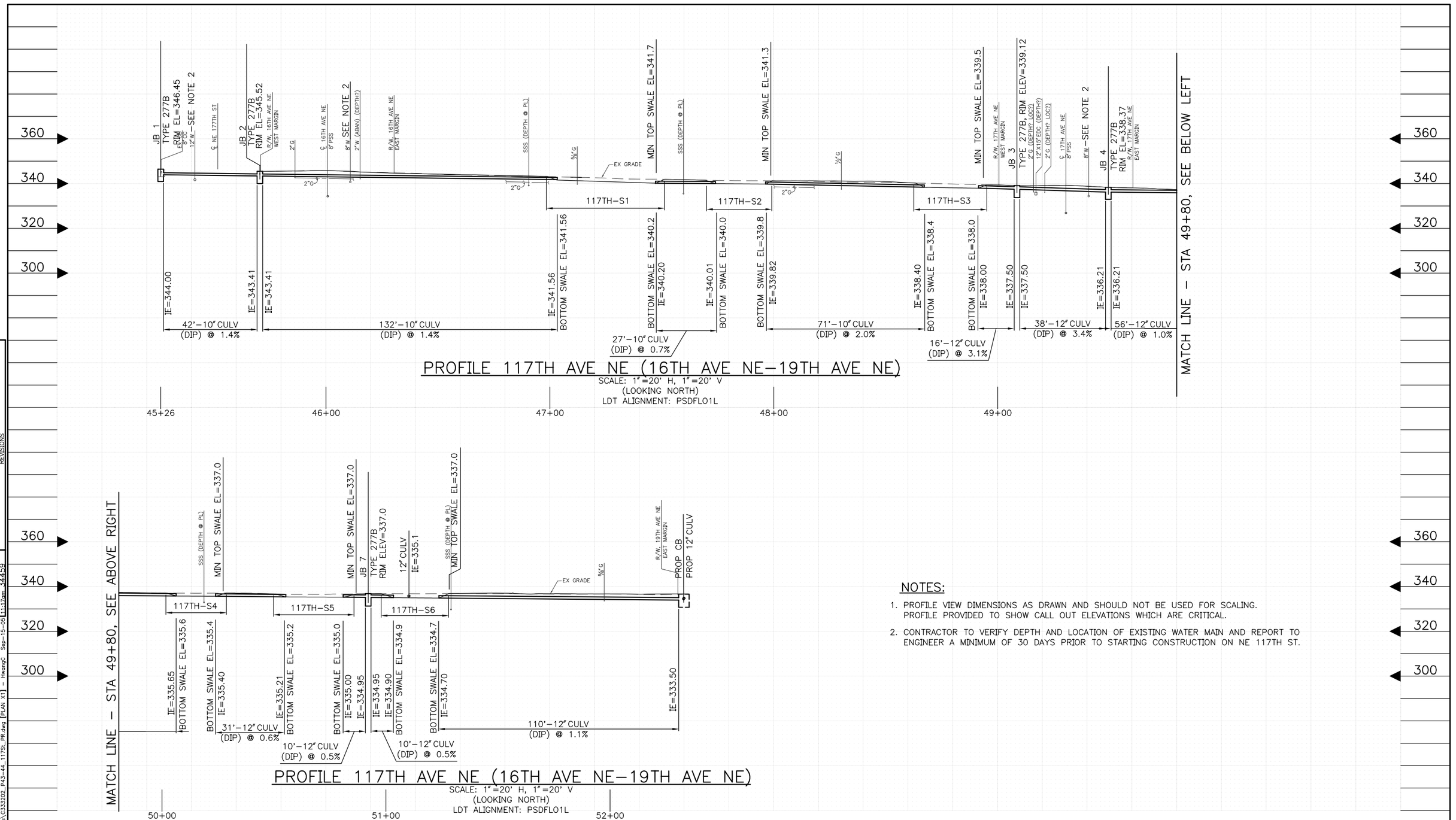
JOB NO. PC C333202 R/W CO

VAULT PLAN NO. 777–606

SHEET 42 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P41-42_1175L_SD.dwg [PLAN V2] – HwangC Sep-15-05 11:45am

Xref Filename: | C333202_SPU-PlnSht | C333202_BS00_Complete | C333202_Proj-View-Map | C333202_19THS_PV00 | C333202_23RDN_PV00 | C333202_117th_PV00 | C333202_117th_SD00 | C333202_20THN_PV00 |



PROFILE 117TH AVE NE (16TH AVE NE–19TH AVE NE)

SCALE: 1"=20' H, 1"=20' V
(LOOKING NORTH)
LDT ALIGNMENT: PSDFLO1L

PROFILE 117TH AVE NE (16TH AVE NE–19TH AVE NE)

SCALE: 1"=20' H, 1"=20' V
(LOOKING NORTH)
LDT ALIGNMENT: PSDFLO1L

NOTES:

1. PROFILE VIEW DIMENSIONS AS DRAWN AND SHOULD NOT BE USED FOR SCALING. PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.
2. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING WATER MAIN AND REPORT TO ENGINEER A MINIMUM OF 30 DAYS PRIOR TO STARTING CONSTRUCTION ON NE 117TH ST.

NE 117TH ST
DRAINAGE PROFILE 1/2

MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. 344459 Lt/Tan

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

BY:
DIRECTOR, CONTRACTING SERVICES

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CHECKED	
DRAWN	CDI 4/12/2005
CHECKED	TMR 4/12/2005

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REVIEWED:	
DES.	CONST. GJS
SDOT	PROJ. MGR. KAW
RECEIVED	
REVISED AS BUILT	

MASAO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

ORDINANCE NO. APPROVED
FUND:
SCALE: H.= 20', V.= 20' INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

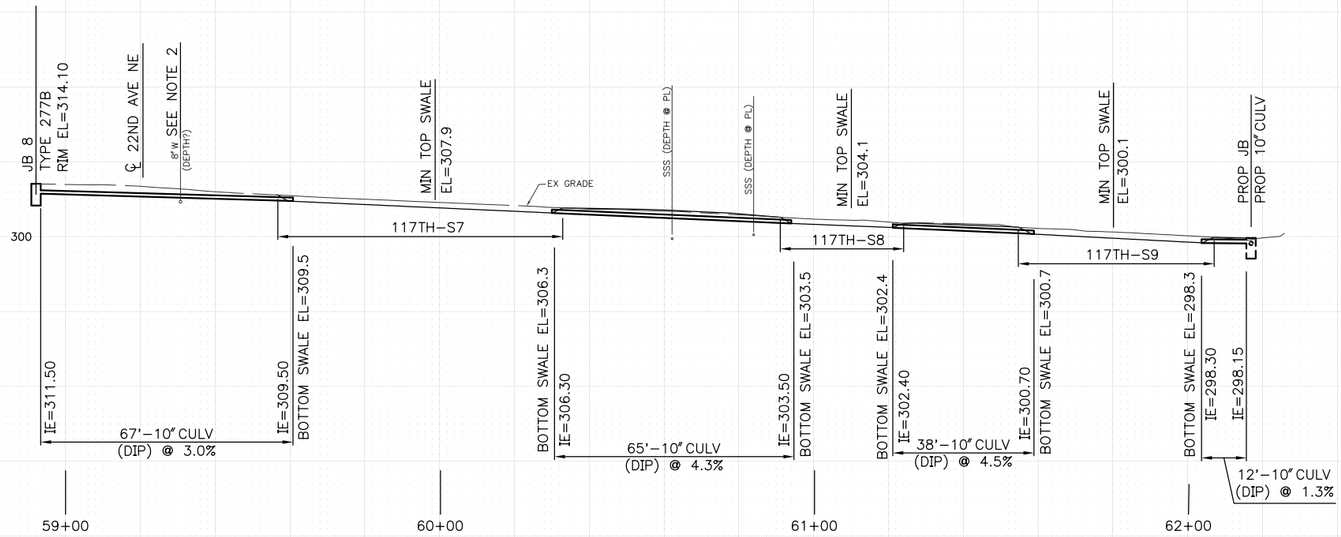
JOB NO. PC C333202 R/W CO

VAULT PLAN NO. 777–606

SHEET 43 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P43-44_117St_PR.dwg [PLAN V1] - hwangC Sep-15-05 11:12am

Xref Filename: | C333202_SPU-PlnSht | C333202_117th_PR00 |

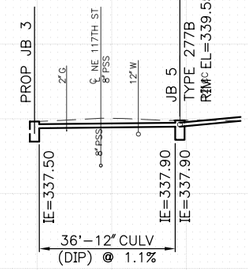


PROFILE 117TH AVE NE (22ND AVE NE–23RD AVE NE)

SCALE: 1"=20' H, 1"=20' V
(LOOKING NORTH)
LDT ALIGNMENT: PSDFLO2L

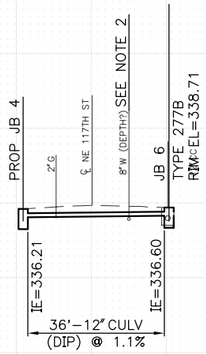
NOTES:

1. PROFILE VIEW DIMENSIONS AS DRAWN AND SHOULD NOT BE USED FOR SCALING. PROFILE PROVIDED TO SHOW CALL OUT ELEVATIONS WHICH ARE CRITICAL.
2. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING WATER MAIN AND REPORT TO ENGINEER A MINIMUM OF 30 DAYS PRIOR TO STARTING CONSTRUCTION ON NE 117TH ST.



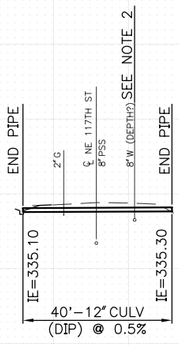
PROFILE CROSSING NE 117TH @ W SIDE OF 17TH AVE NE

SCALE: H 1"=20', V 1"=20'
(LOOKING WEST)
LDT ALIGNMENT: PSDFL03L



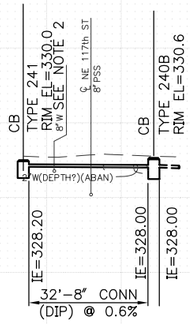
PROFILE CROSSING NE 117TH @ E SIDE OF 17TH AVE NE

SCALE: H 1"=20', V 1"=20'
(LOOKING WEST)
LDT ALIGNMENT: PSDFL04L



PROFILE CROSSING NE 117TH @ BETWEEN 17TH & 19TH AVE NE

SCALE: H 1"=20', V 1"=20'
(LOOKING WEST)
LDT ALIGNMENT: PSDFL05L



PROFILE CROSSING NE 117TH @ 20TH AVE NE (N)

SCALE: H 1"=20', V 1"=20'
(LOOKING EAST)
LDT ALIGNMENT: PSDFL02L

NE 117TH ST
DRAINAGE PROFILE 2/2

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

VAULT SERIAL NO. 6113864459

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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	REVIEWED:
CHECKED	DES. CONST. GJS
DRAWN CGH 4/12/2005	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2005	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.

MASATO HIGUCHI — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

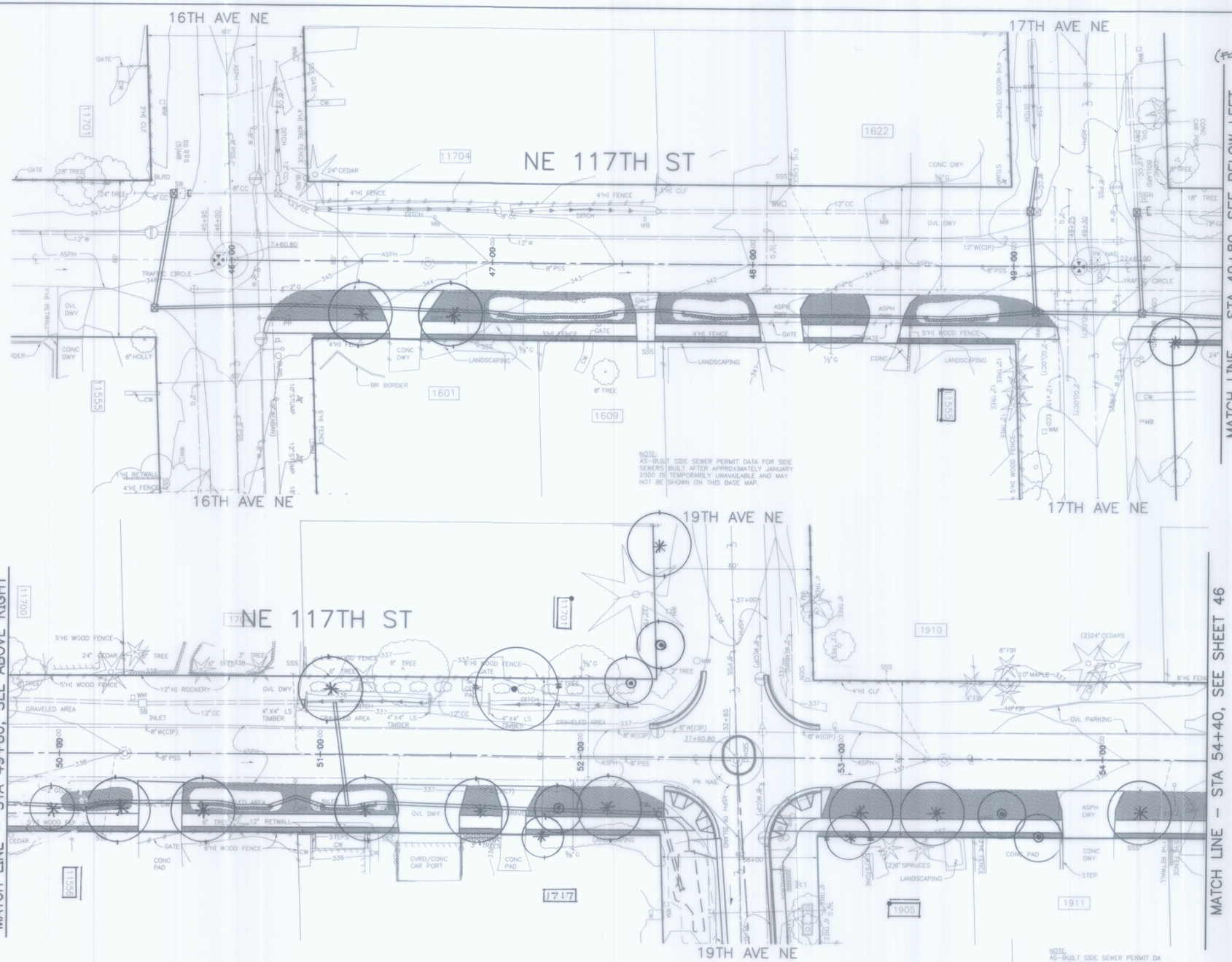
ORDINANCE NO. APPROVED
FUND:
SCALE: H.= 20' V.= 20' INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 44 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P43-44_117SL_PR.dwg [PLAN X1 (2)] - HwangC Sep-15

Xref Filename: | C333202_SPU-PlnSht | C333202_117th_PR00 |



TREE SYMBOL LEGEND

(FOR INFORMATION ONLY - TREES INSTALLED BY OTHERS)

LARGE DECIDUOUS TREES:
- TULIP TREE
- KATSURA TREE
- BLACK MAPLE
- TUPELO
- QUAKING ASPEN

MEDIUM DECIDUOUS TREES:
- NORWEGIAN SUNSET MAPLE
- PACIFIC SUNSET MAPLE

MEDIUM FLOWERING TREES:
- "EDDIE'S WHITE WONDER" DOGWOOD
- GALAXY MAGNOLIA

SMALL ACCENT TREES:
- AUTUMN BRILLIANCE SERVICEBERRY
- JAPANESE SNOWBELL TREE
- PURPLE-LEAFED HAZELNUT

LARGE CONIFERS:
- WESTERN RED CEDA
- BALD CYPRESS

MEDIUM CONIFERS:
- HOGAN CEDAR
- SHORE PINE

ACCENT CONIFERS:
- HINOKI CYPRESS

N

20 10 0 20 40
SCALE IN FEET

LANDSCAPING LEGEND

UPLAND REVEGETATION AREA - SEE SPECIAL PROVISIONS

PLANTING AREA
PREPARATION BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES - SEE SPECIAL PROVISIONS

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.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED BY LANDSCAPE ARCHITECT AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION (SEE SPECIAL PROVISIONS).

NE 117TH ST
LANDSCAPING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
10:42am 34459						

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777-606-45

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

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CLH 4/12/05	RECEIVED
CHECKED	REVISED AS BUILT

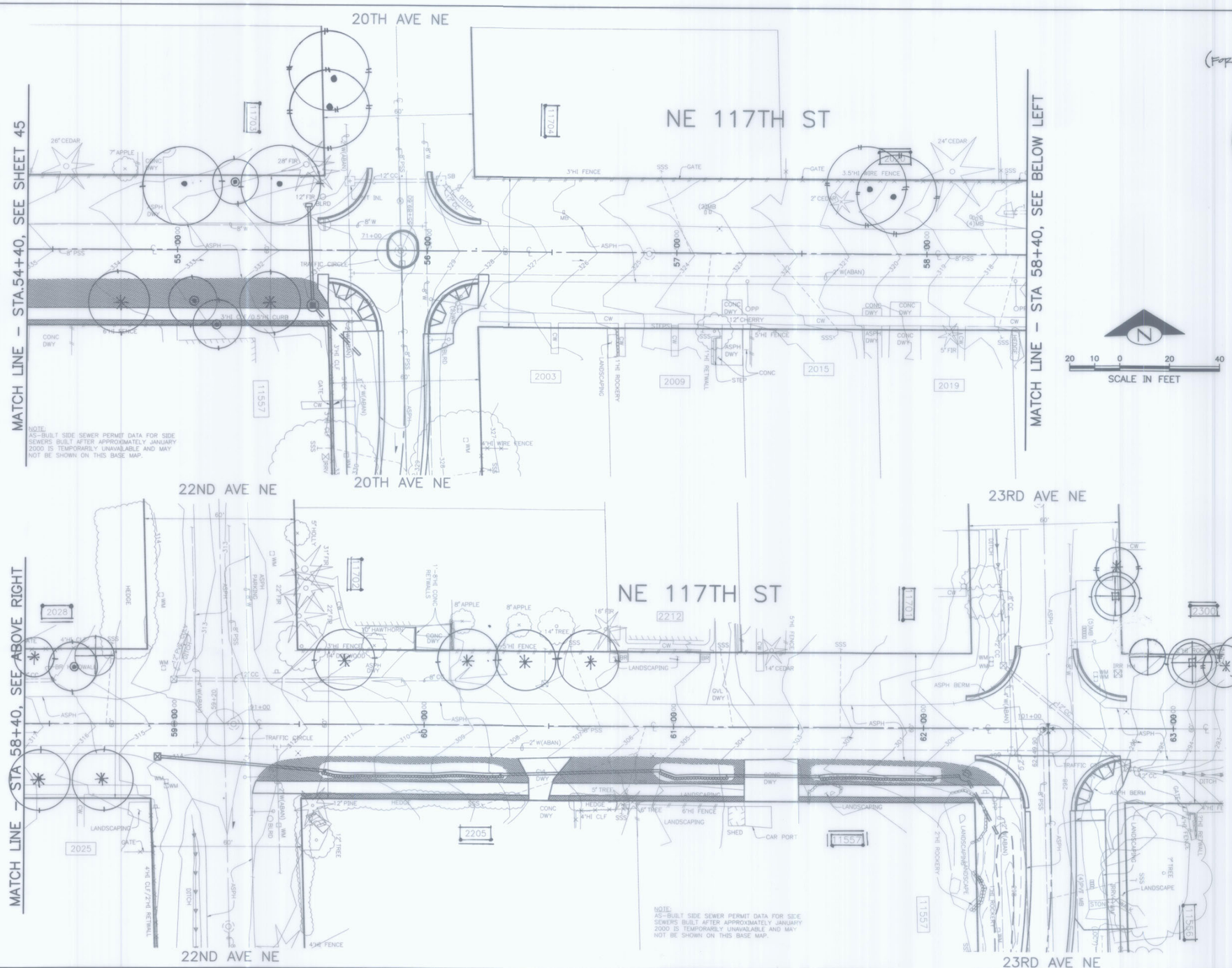
ALL WORK DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 45 OF 56

Xref Filename: | C333202_SPU-PinSht | C333202_BS00_Complete | C333202_117th_SD00 | C333202_19THS_PV00 | C333202_20THN_PV00 | C333202_23RDN_PV00 | Legend_LD | C333202_117th_PV00 |



TREE SYMBOL LEGEND

(FOR INFORMATION ONLY – TREES INSTALLED BY OTHERS)

LARGE DECIDUOUS TREES:
- TULIP TREE
- KATSURA TREE
- BLACK MAPLE
- TUPELO
- QUAKING ASPEN

MEDIUM DECIDUOUS TREES:
- NORWEGIAN SUNSET MAPLE
- PACIFIC SUNSET MAPLE

MEDIUM FLOWERING TREES:
- "EDDIE'S WHITE WONDER" DOGWOOD
- GALAXY MAGNOLIA

SMALL ACCENT TREES:
- AUTUMN BRILLIANCE SERVICEBERRY
- JAPANESE SNOWBELL TREE
- PURPLE-LEAFED HAZELNUT

LARGE CONIFERS:
- WESTERN RED CEDA
- BALD CYPRESS

MEDIUM CONIFERS:
- HOGAN CEDAR
- SHORE PINE

ACCENT CONIFERS:
- HINOKI CYPRESS

N

20 10 0 20 40
SCALE IN FEET

LANDSCAPING LEGEND

UPLAND REVEGETATION AREA – SEE SPECIAL PROVISIONS

PLANTING AREA PREPARATION BY HAND METHODS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES – SEE SPECIAL PROVISIONS

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.
2. PROJECT INCLUDES 1, 2, AND 3-MAN ROCK PLACEMENT TO BE FIELD-DIRECTED BY LANDSCAPE ARCHITECT AT THE TIME OF CONSTRUCTION TO REINFORCE/STABILIZE SLOPES AND BLEND LANDSCAPED AREA WITH ROCKERY INSTALLATION (SEE SPECIAL PROVISIONS).

NE 117TH ST
LANDSCAPING PLAN

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459						

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P45-46_117St_LD.dwg [PLAN X2] – HwangC Jan-13-05 8:31am

Property of City of Seattle
777-606-46

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

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST. GSS
	SDOT PROJ. MGR. KAW
DRAWN OCH 4/12/05	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.

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

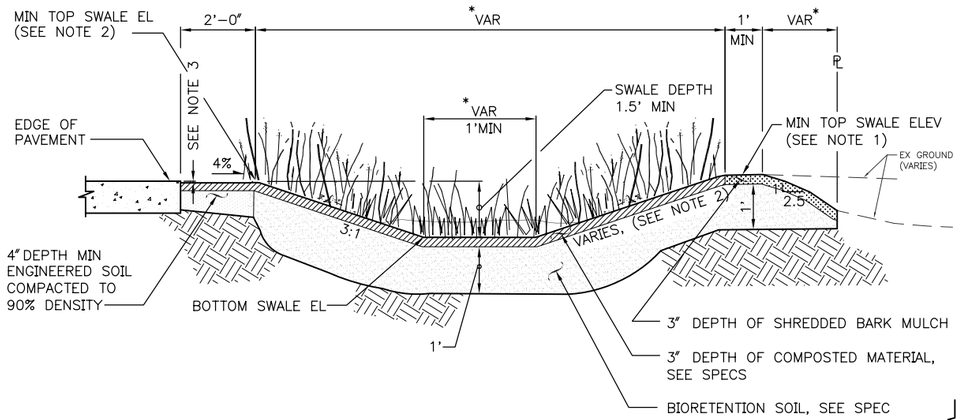
JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 46 OF 56

Xref Filename: | C333202_SPU-PinSht | C333202_BS00_Complete | C333202_117th_SD00 | C333202_19THS_PV00 | C333202_20THN_PV00 | C333202_23RDN_PV00 | Legend_LD | C333202_117th_PV00 |

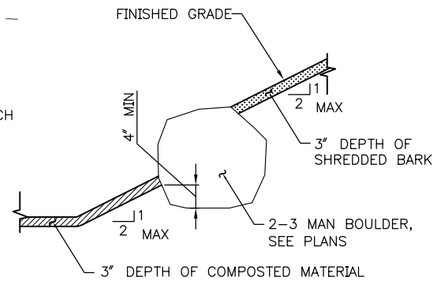
NOTES:

* SEE SWALE TOP AND BOTTOM LINE ON DRAINAGE PLAN VIEW SHEETS.

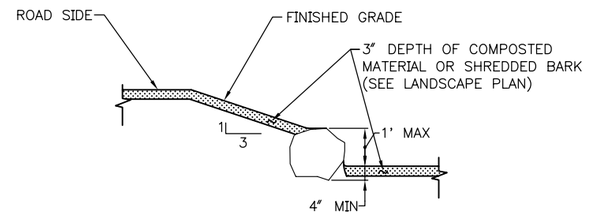
1. CRITICAL MIN TOP SWALE EL IS LOWEST ALLOWABLE ELEVATION SURROUNDING SWALE.
2. 3:1 UNLESS OTHERWISE INDICATED ON PLAN.
3. FINISHED GRADE SHALL BE 0.5" MIN BELOW EDGE OF PAVEMENT.



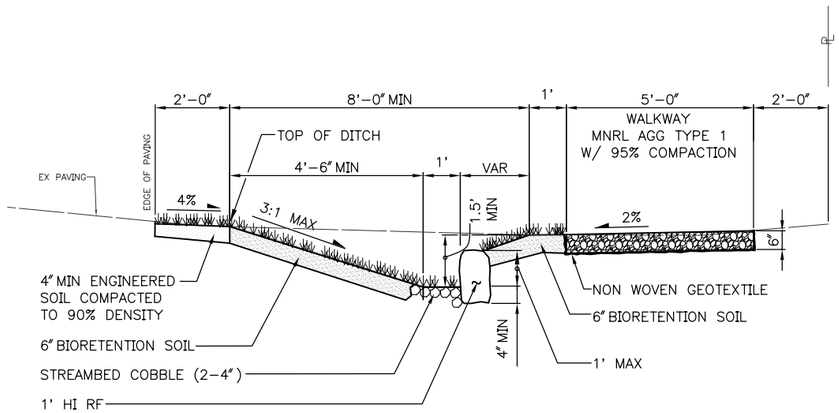
BIORETENTION SWALE (1) 6,12,18,25,26,36
SCALE: ½" = 1'-0"



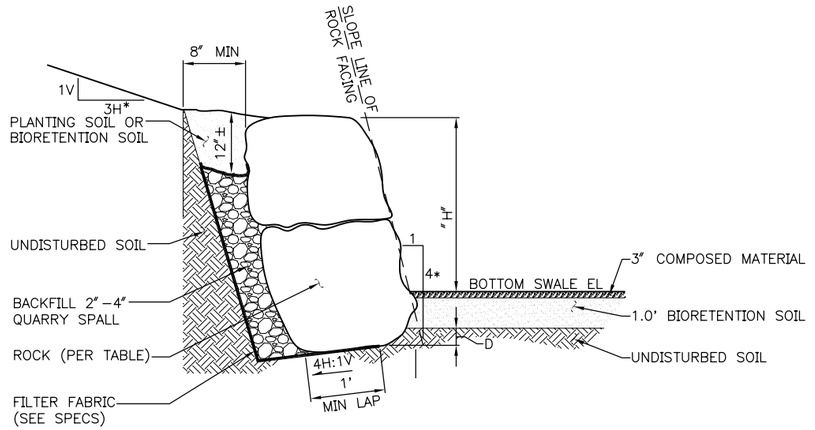
X-MAN ROCK PLACEMENT (2) 6,12,18,25,26,36
SCALE: ½" = 1'-0"



ROCKERY FACING, 1 FOOT HIGH (3) 6,12,18,25,26,36,49
SCALE: ½" = 1'-0"



CONVEYANCE DITCH TYPE 1 (4) 41,42
SCALE: ½" = 1'-0"

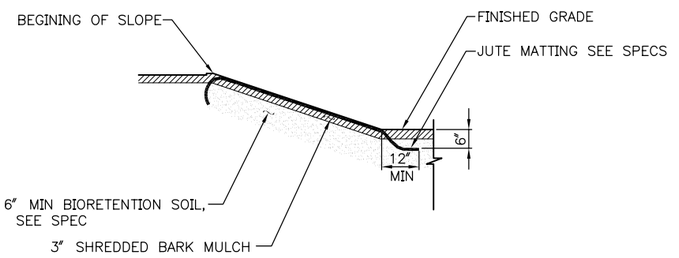


SECTION

ROCK FACING, MODIFIED (5) 18,25,26,36
N.T.S.

MINIMUM ROCK SIZES

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



JUTE MATTING PLACEMENT (6) 36
SCALE: ½" = 1'-0"

DRAINAGE DETAILS 1/3

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

NAME OR INITIALS AND DATE	INITIALS AND DATE
DESIGNED	REVIEWED:
CHECKED	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CDI 4/12/2009	RECEIVED
CHECKED TMR 4/12/2005	REVISED AS BUILT

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MASAKO HIRANO, STATE OF WASHINGTON, 31234, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

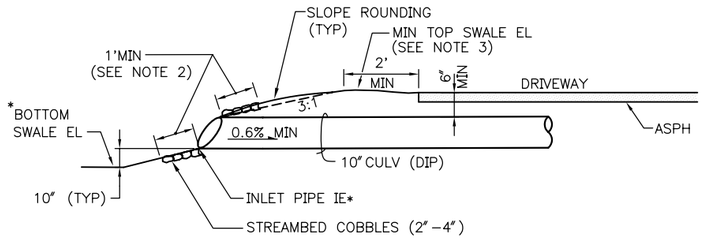
JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 47 OF 56

MARK	DATE	REVISIONS	MADE	CHK'D	REV'D

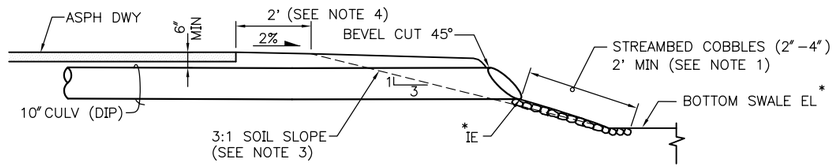
VAULT SERIAL NO. 34459
NATURE

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P47_Dt_SD1.dwg [PLAN XX] - HwangC Sep-15-06 11:20am

Xref Filename: | c300329_dtl_SLOTLocation | Dtl_X-MAN_ROCK_REPL_sec | C333202_SPU-PinSht | detl_rockery_std#141mod | Dtl_Bioretswale_sec | Dtl_x-section_typ |



PIPE INLET A (1)
SCALE: ½" = 1'-0"
FOR USE ON SWALES WITH 0% SWALE BOTTOM AREA
6,12,18,25,26,36

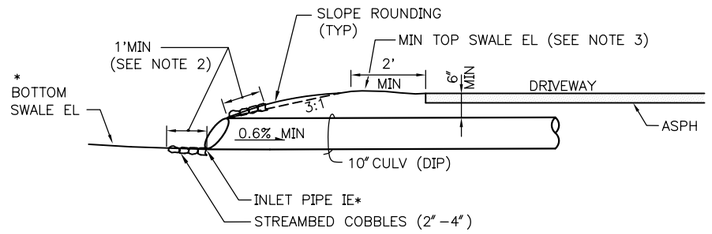


PIPE OUTLET A (2)
SCALE: ½" = 1'-0"
6,12,18,25,26,36

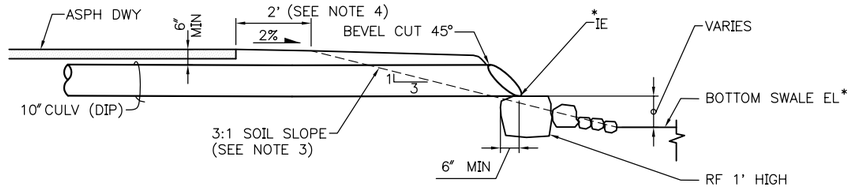
NOTES:

* SEE IE & EL ON DRAINAGE PROFILE SHEETS.

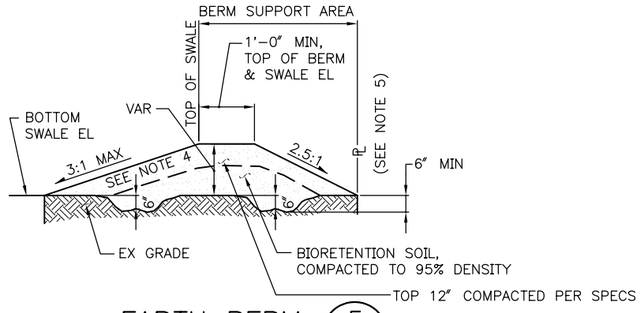
1. STREAM BED COBBLE SHALL BE PLACED SUCH THAT IT ARMORS A 1-FOOT MINIMUM RADIUS AS MEASURED FROM OUTSIDE PIPE DIAMETER FOR BOTTOM ½ OF PIPE.
2. STREAM BED COBBLE SHALL BE PLACED SUCH THAT IT ARMORS A 1-FOOT MIN RADIUS AS MEASURED FROM OUTSIDE PIPE DIAMETER OR BEHIVE GRATE. ROCK AT BEHIVE GRATE SHALL BE PLACED AROUND EXPOSED CONCRETE.
3. 3H=1V SLOPE BEYOND SHALL TRANSITION TO COVER CULVERT BERM TO COVER CULVERT 6" MIN. IF MIN TOP SWALE ELEV IS LOWER THAN TOP OF PIPE, MOUND SOIL OVER PIPE 6" MIN.
4. DRIVEWAY SHOULDERS ARE 2-FEET MINIMUM. WALKWAY SHOULDERS ARE 1-FOOT.
5. ALL BERM GRADING SHALL BE WITHIN STREET R/W UNLESS ADJUSTMENTS TO PRIVATE PROPERTY ARE IDENTIFIED ON PLAN.



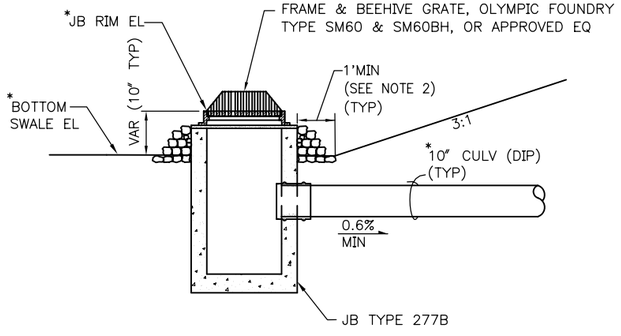
PIPE INLET B (3)
SCALE: ½" = 1'-0"
6,12,25,26,36



PIPE OUTLET B (4)
SCALE: ½" = 1'-0"
FOR USE ON PIPES OVER ROCKERY
6,12,25,26,36



EARTH BERM (5)
SCALE: ½" = 1'-0"
6,12,25,26,36



JB TYPE 277, MOD (6)
SCALE: ½" = 1'-0"
12,25,36

DRAINAGE DETAILS 2/3

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	DES. CONST. GJS
DRAWN CGH 4/12/2006	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2006	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.

MASATO HIRONO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

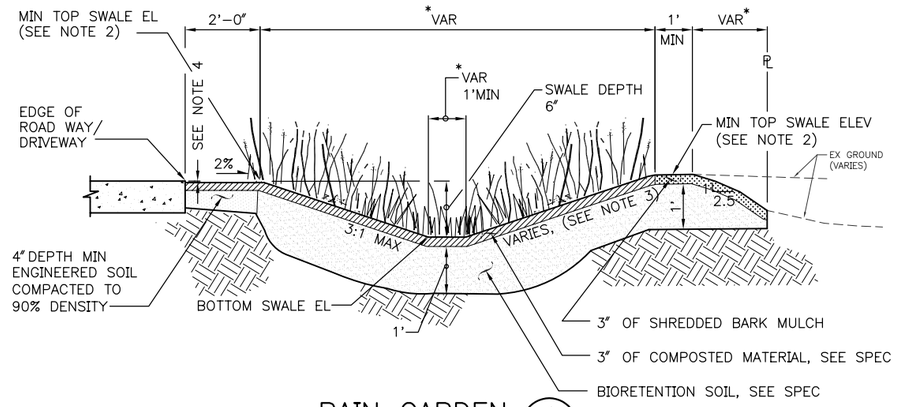
JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 48 OF 56

MARK	DATE	NATURE REVISIONS	MADE	CHK'D	REV'D

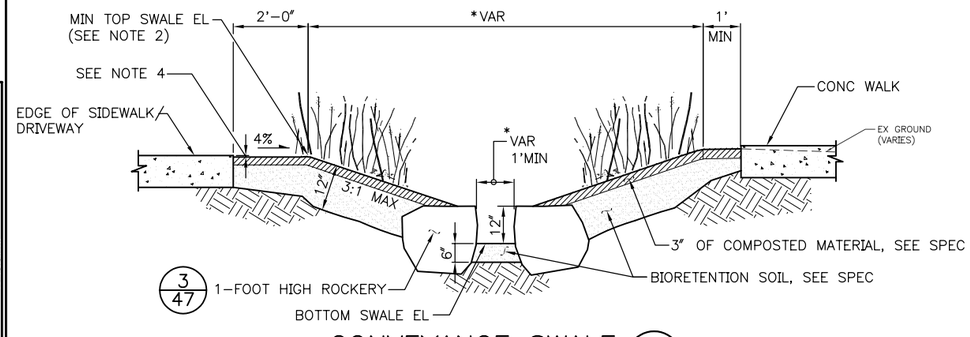
VAULT SERIAL NO. 34459

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P48_DL_S02.dwg [PLAN XX] - HwangC Sep-15-05 11:20

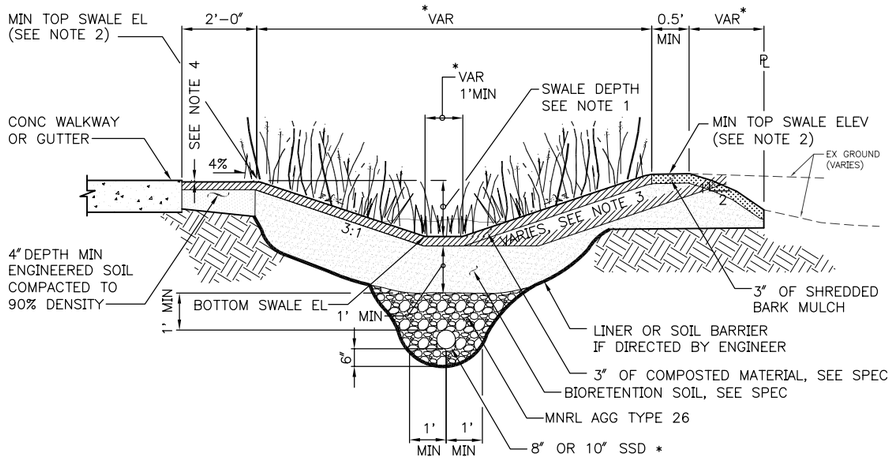
Xref Filename: | dtl_bioretswale_profile | dtl_CBinlet_Palatine | detl_earth_berm | c300329_dtl_SLOTLocation | dtl_JBinlet | C333202_SPU-PinSht | detl_outlet pipe |



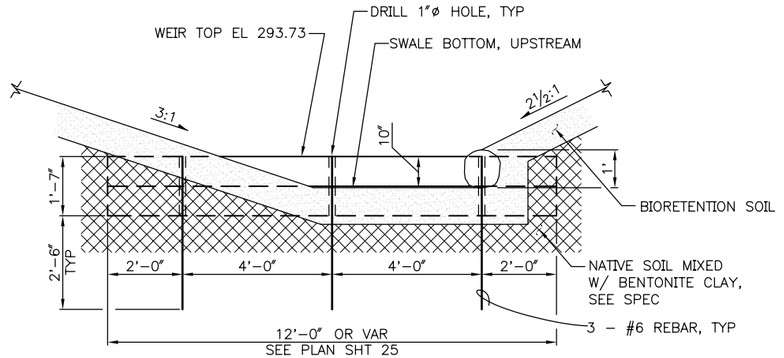
RAIN GARDEN 1/6
SCALE: ½" = 1'-0"



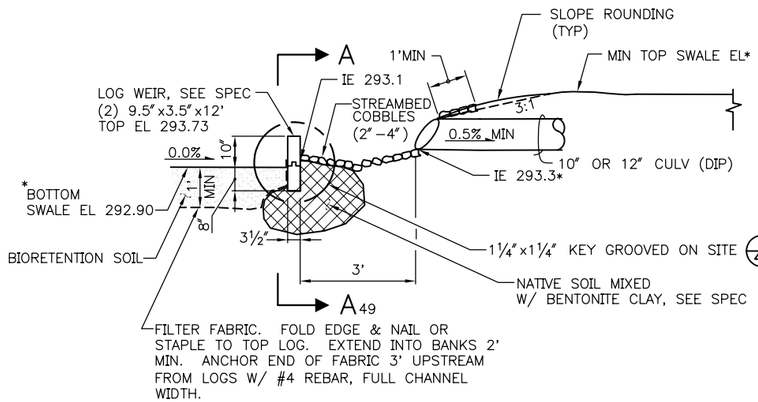
CONVEYANCE SWALE 2/12
SCALE: ½" = 1'-0"



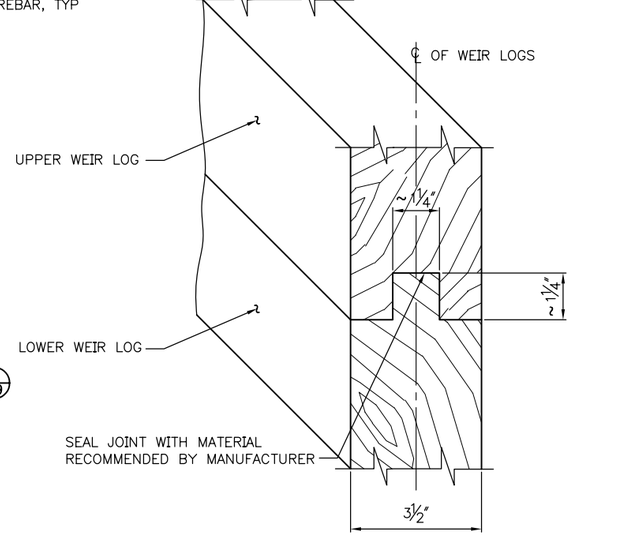
BIORETENTION SWALE W/ SSD
SCALE: ½" = 1'-0"
NOTE: MAY BE ADDED IN FIELD IF POCKETS OF NON-PERVIOUS NATIVE SOIL ARE LOCATED



SECTION A-A 49
SCALE: ½" = 1'-0"



LOG WEIR 3/25
N.T.S.



LOG WEIR, KEY GROOVED ON SITE 4/49
SCALE: 6" = 1'-0"

NOTES:

* SEE SWALE TOP LINE ON DRAINAGE PLAN VIEW SHEETS.

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.

DRAINAGE DETAILS 3/3

MARK	DATE	REVISIONS	MADE	CHK'D	REV'D
		NATURE			

VAULT SERIAL NO. 34459

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	DES. CONST. GJS
DRAWN CDI 4/12/2006	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2005	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.

MASATO HIRANO
STATE OF WASHINGTON
31234
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

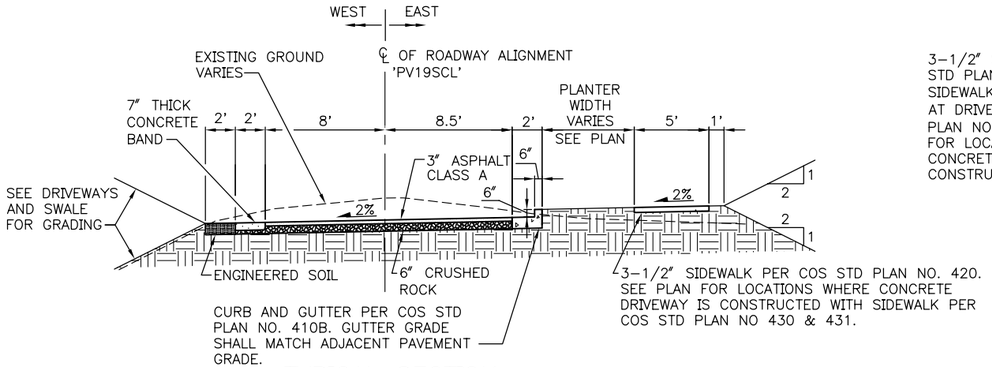
ORDINANCE NO. APPROVED
FUND:
SCALE: AS NOTED INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

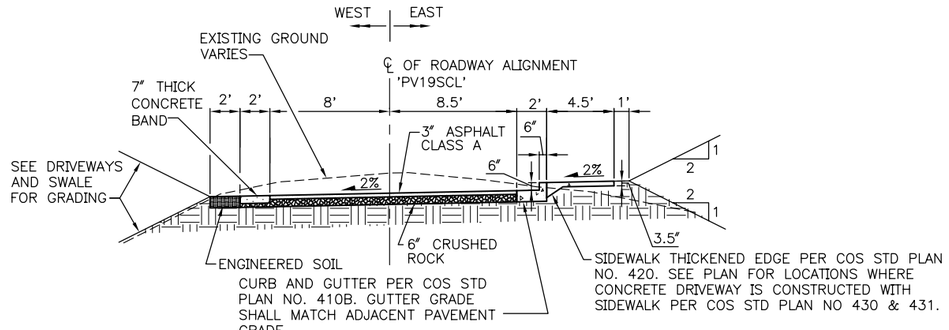
JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 49 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P49_DtL_Swale.dwg [PLAN XX] - HwangC Sep-15-05 11:47am

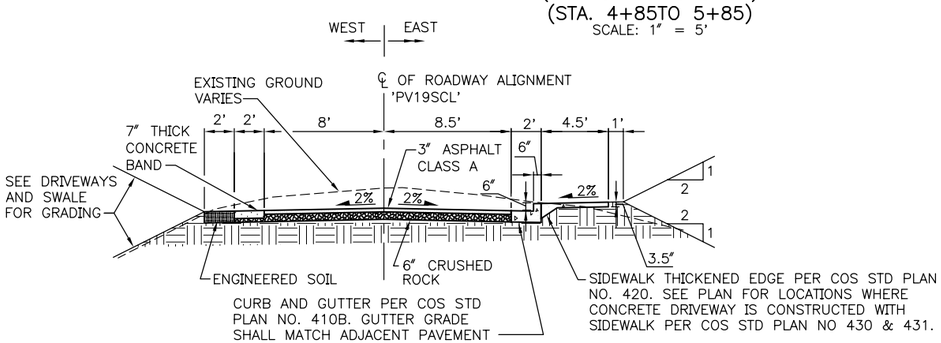
Xref Filename: | Dtl_Bioretswale_sec | detl_conv_swale | c300329_dtl_SLOTLocation | C333202_SPU-PinSht | dtl_logweir | dtl_logweir_KEY |



TYPICAL SECTION
19TH AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 1+75 TO 3+44)
(STA. 3+56 TO 4+85)
SCALE: 1" = 5'

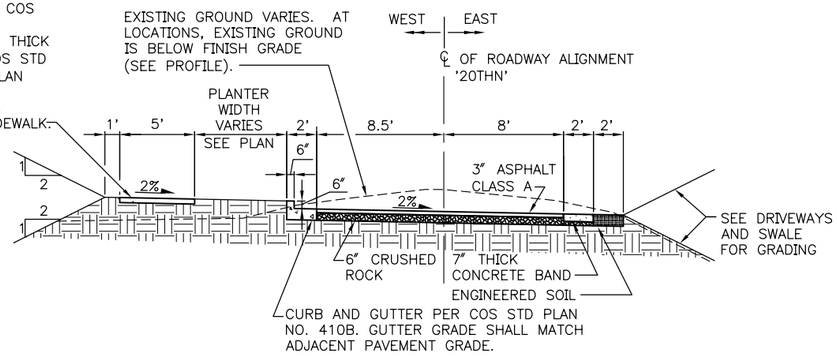


TYPICAL SECTION
19TH AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 0+25.00 TO 1+75)
(STA. 3+44 TO 3+56)
(STA. 4+85TO 5+85)
SCALE: 1" = 5'

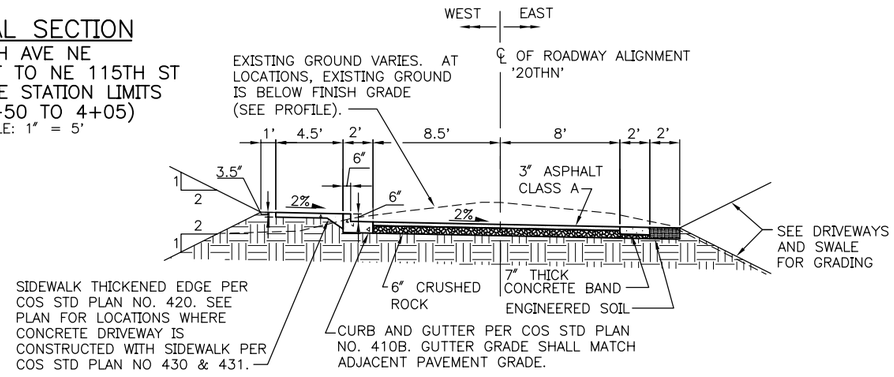


TYPICAL SECTION
19TH AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 5+85 TO 6+20.00)
SCALE: 1" = 5'

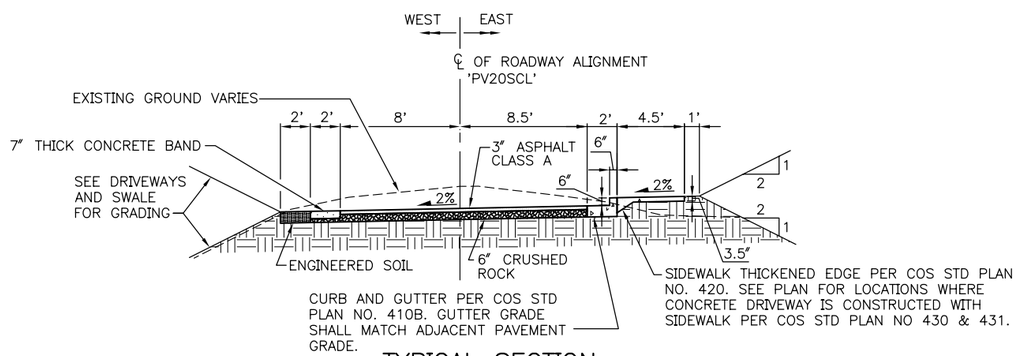
3-1/2" SIDEWALK PER COS STD PLAN NO. 420. SIDEWALK SHALL BE 6" THICK AT DRIVEWAYS (SEE COS STD PLAN NO. 431). SEE PLAN FOR LOCATIONS WHERE CONCRETE DRIVEWAY IS CONSTRUCTED WITH SIDEWALK.



TYPICAL SECTION
20TH AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 2+50 TO 4+05)
SCALE: 1" = 5'



TYPICAL SECTION
20TH AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 1+20 TO 2+50)
(STA.4+05 TO 6+30)
SCALE: 1" = 5'



TYPICAL SECTION
20TH AVE NE
NE 115TH ST TO NE 113TH ST
APPROXIMATE STATION LIMITS
(STA. 1+55 TO 4+10)
SCALE: 1" = 5'

PAVING CROSS SECTIONS 1/3

MARK	DATE	REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO. 1344693

TETRA TECH/ KCM
1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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		DES. MHL	CONST. GJS
DRAWN	CGI 4/12/2005	SDOT	PROJ. MGR. KAW
CHECKED	TMR 4/12/2005	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.

MARK HOPKINSON — STATE OF WASHINGTON — 27612 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 04/11/

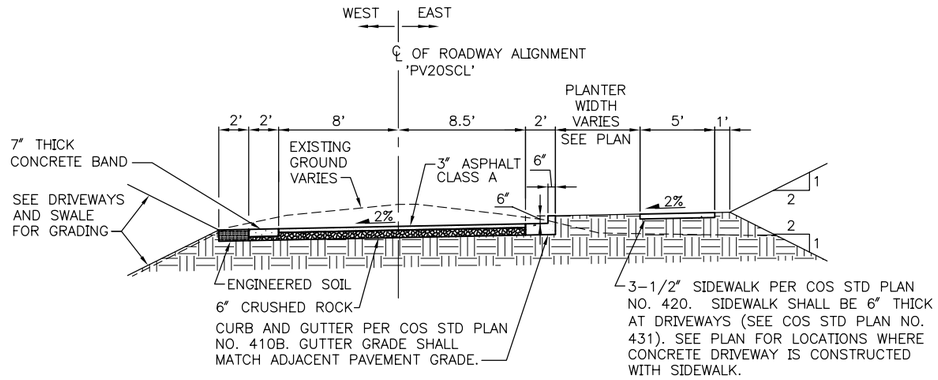
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director
ORDINANCE NO. APPROVED
FUND: INSPECTOR'S BOOK
SCALE: AS NOTED

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

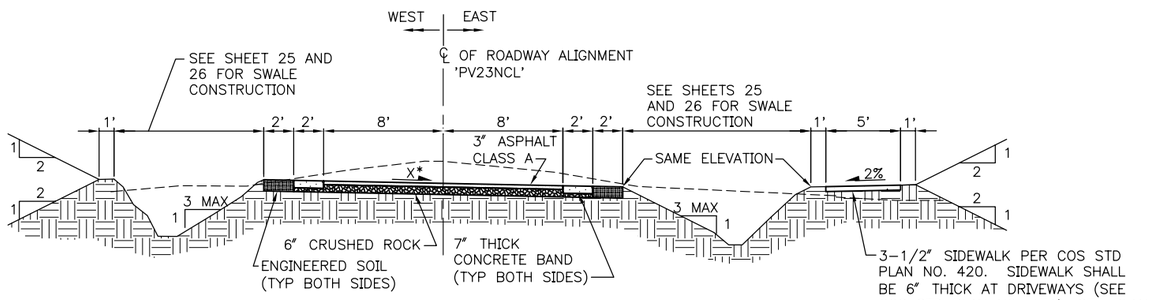
JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 50 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P50-52_DL_Paving.dwg [PAV_SEC_DETL-1] - HwangC Sep-06-13 13:44:53

Xref Filename: | Pav_DET-1 | Pav_DET-2 | sect-19THS | sect-20THN | sect-20THS | sect-23RDN | sect-23RDS | sect-113TH | C333202_SPU-PinSht_pv |

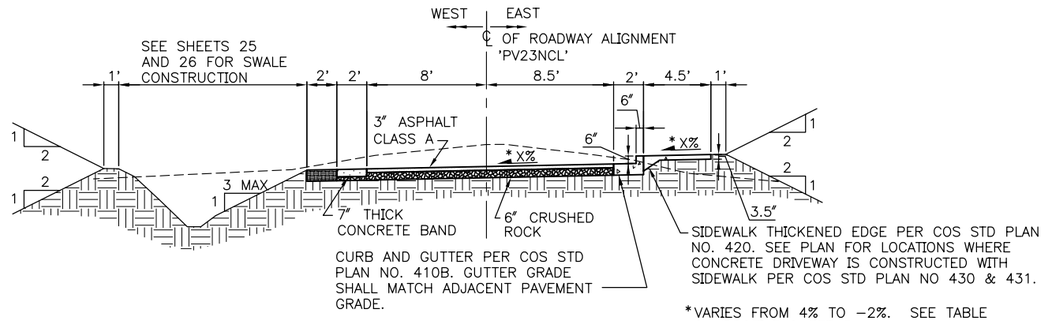


TYPICAL SECTION
20TH AVE NE
NE 115TH ST TO NE 113TH ST
APPROXIMATE STATION LIMITS
(STA. 0+30 TO 1+50)
(STA. 4+15 TO 6+10)
SCALE: 1" = 5'



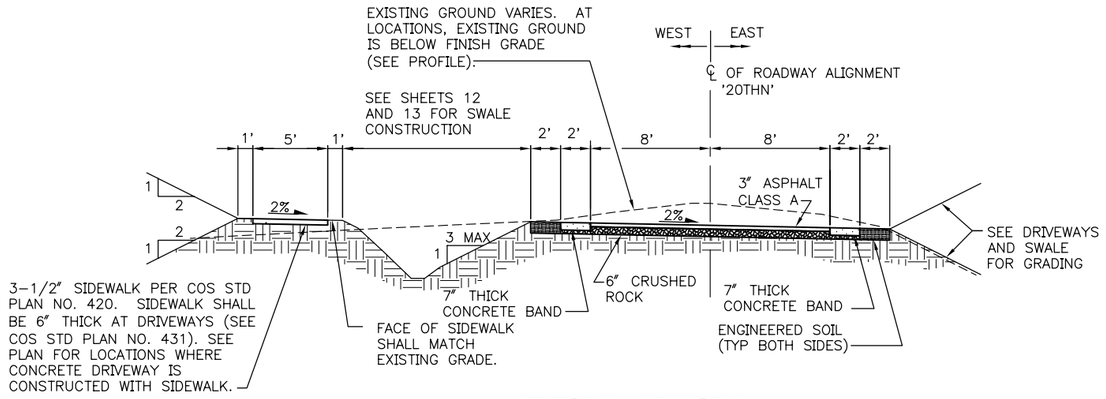
* VARIES FROM 4% TO −2%.
SEE TABLE ON PROFILE SHEET 31.

TYPICAL SECTION
23RD AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 0+35 TO 1+30)
SCALE: 1" = 5'

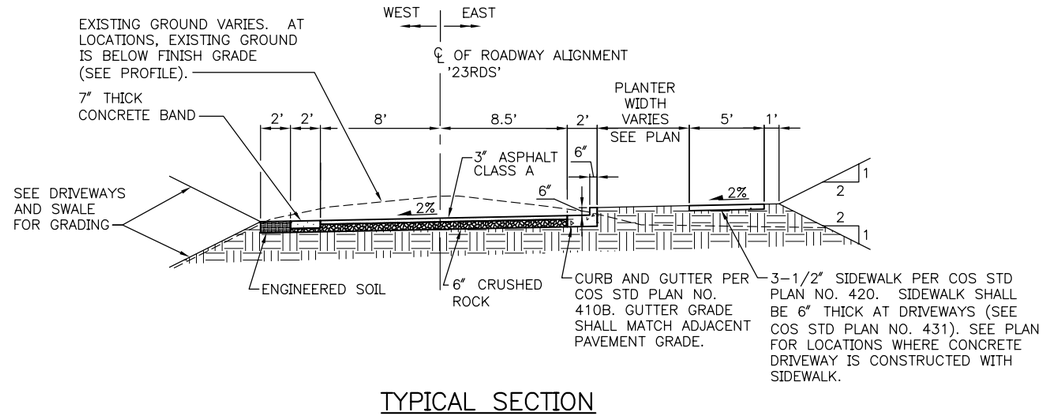


*VARIES FROM 4% TO −2%. SEE TABLE
ON PROFILE SHEET 31.

TYPICAL SECTION
23RD AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 5+10 TO 6+30)
SCALE: 1" = 5'



TYPICAL SECTION
20TH AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 0+30 TO 120+00)
SCALE: 1" = 5'



TYPICAL SECTION
23RD AVE NE
NE 115TH ST TO NE 113TH ST
APPROXIMATE STATION LIMITS
(STA. 0+75 TO 2+00)
(STA. 4+40 TO 5+05)
SCALE: 1" = 5'

PAVING CROSS SECTIONS 2/3

NO.	NATURE REVISIONS	MADE	CHK'D	REV'D

VAULT SERIAL NO.	DATE	MARK
15-06 11:34:59		

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P50-52_Dt_Paving.dwg [PAV_SEC_DETL2] - HwangC Sep

TETRA TECH/ KCM
1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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DEPARTMENT OF EXECUTIVE ADMINISTRATION
SEATTLE, WASHINGTON 20

BY:
DIRECTOR, CONTRACTING SERVICES

NAME OR INITIALS AND DATE		INITIALS AND DATE	
DESIGNED		REVIEWED:	
CHECKED		DES. MHL	CONST. GJS
		SDOT	PROJ. MGR. KAW
DRAWN CDI 4/12/2009		RECEIVED	
CHECKED TMR 4/12/2005		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.

MARK HOPKINSON
STATE OF WASHINGTON
27612
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/11/

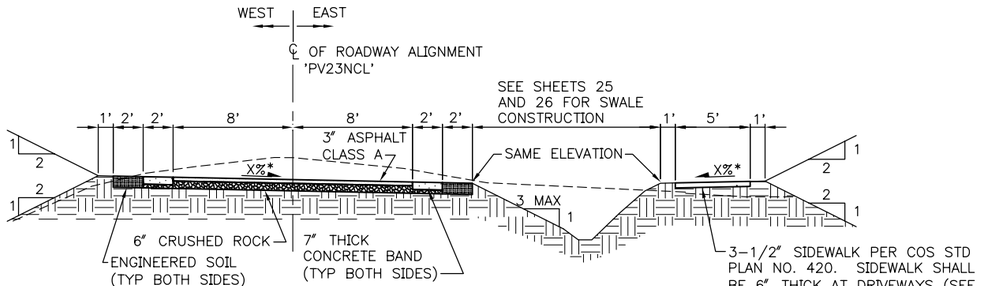
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

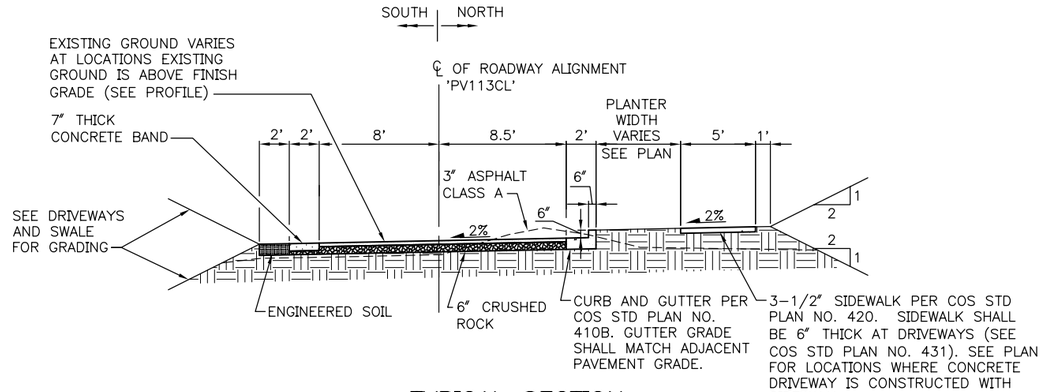
JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 51 OF 56

Xref Filename: | Pav_DET-1 | Pav_DET-2 | sect-19THS | sect-20THN | sect-20THS | sect-23RDN | sect-23RDS | sect-113TH | C333202_SPU-PinSht_pv |

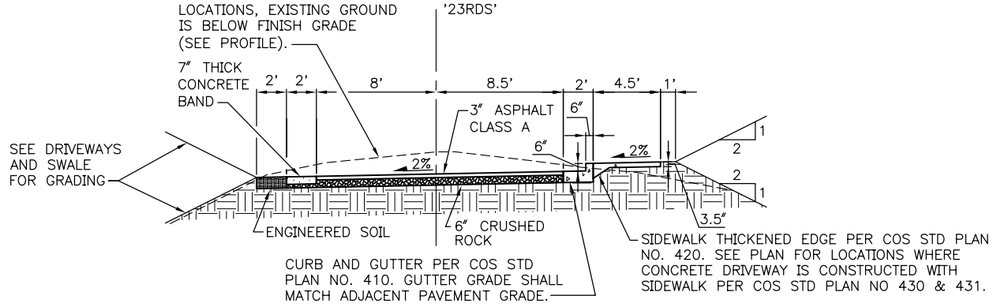


* VARIES FROM 4% TO −2%.
SEE TABLE ON PROFILE SHEET 31.

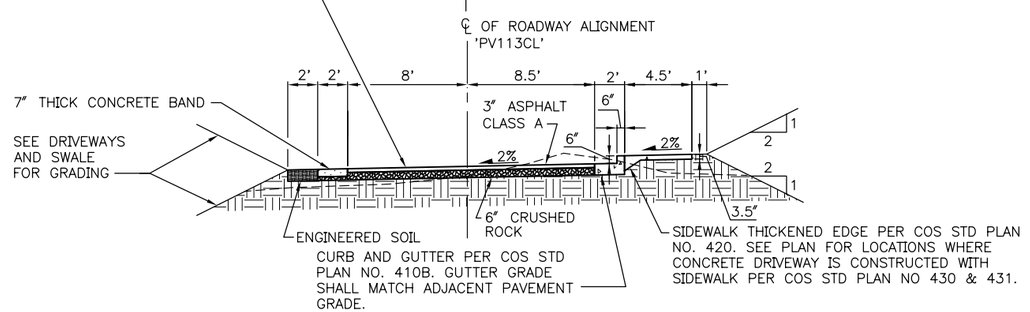
TYPICAL SECTION
23RD AVE NE
NE 117TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 1+30 TO 5+10)
SCALE: 1" = 5'



TYPICAL SECTION
NE 113TH ST
20TH AVE NE TO 23RD AVE NE
APPROXIMATE STATION LIMITS
(STA. 118+30 TO 119+25)
(STA. 120+30 TO 122+35)
SCALE: 1" = 5'



TYPICAL SECTION
23RD AVE NE
NE 113TH ST TO NE 115TH ST
APPROXIMATE STATION LIMITS
(STA. 0+25 TO 0+75)
(STA. 2+00 TO 4+40)
(STA. 5+05 TO 6+50)
SCALE: 1" = 5'



TYPICAL SECTION
NE 113TH ST
20TH AVE NE TO 23RD AVE NE
APPROXIMATE STATION LIMITS
(STA. 119+25 TO 120+30)
SCALE: 1" = 5'

PAVING CROSS SECTIONS 3/3

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

VAULT SERIAL NO. 1344459
Sep-16-08 10:44:59

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P50-52_Dt_Paving.dwg [PAV_SEC_DETL3] - HwangC

TETRA TECH/ KCM
1917 First Avenue
Seattle, Washington 98101
206-443-5300 Fax: 206-443-5372

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: DES. MHL CONST. GJS SDOT PROJ. MGR. KAW
CHECKED	
DRAWN CGH 4/12/2005	RECEIVED
CHECKED TMR 4/12/2005	REVISED AS BUILT

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MARK HOPKINSON
STATE OF WASHINGTON
27612
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 04/11/

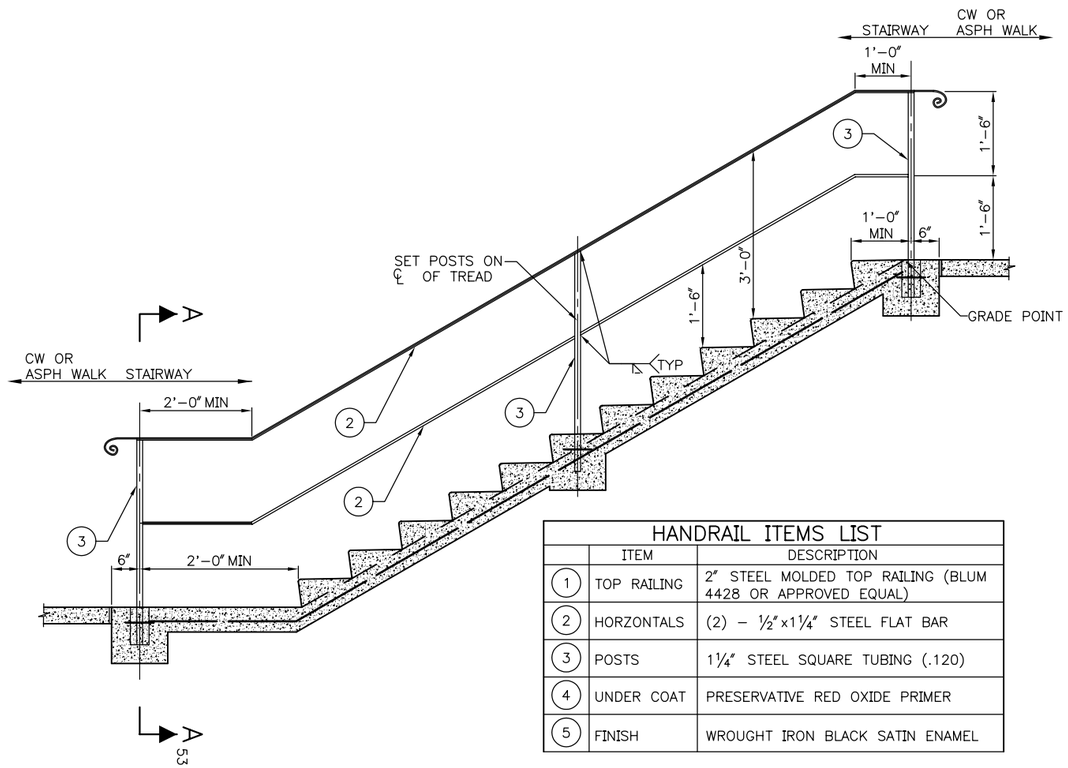
Seattle Public Utilities
City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777-606
SHEET 52 OF 56

Xref Filename: | Pav_DET-1 | Pav_DET-2 | sect-19THS | sect-20THN | sect-20THS | sect-23RDN | sect-23RDS | sect-113TH | C333202_SPU-PlnSht_pv |



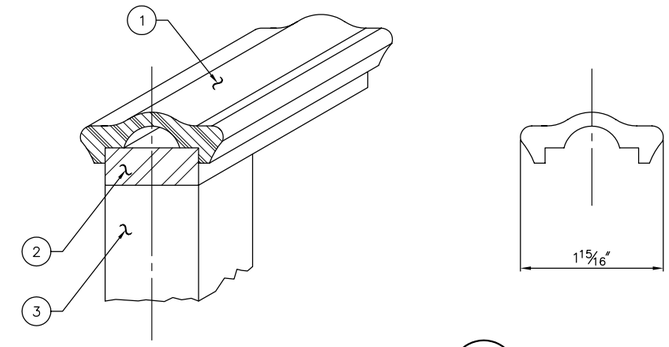
HANDRAIL ITEMS LIST		
	ITEM	DESCRIPTION
1	TOP RAILING	2" STEEL MOLDED TOP RAILING (BLUM 4428 OR APPROVED EQUAL)
2	HORZONTALS	(2) – ½"x1¼" STEEL FLAT BAR
3	POSTS	1¼" STEEL SQUARE TUBING (.120)
4	UNDER COAT	PRESERVATIVE RED OXIDE PRIMER
5	FINISH	WROUGHT IRON BLACK SATIN ENAMEL

STAIRWAY & HANDRAIL 1/29

SCALE: ¾" = 1'-0"
(STD PLAN #440a & 440b MOD.)

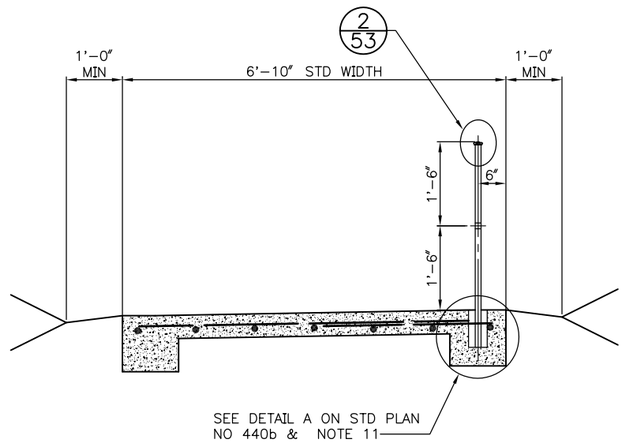
NOTE:

1. INSTALL PER STD PLAN 440a.
2. UNLESS SHOWN ON THIS SHEET, OTHERWISE SEE DIMENSIONS, NOTES, AND CALL OUTS ON STD PLAN # 440a AND 440b.



TOP RAIL 2/53

SCALE: NTS



SECTION A–A 53

SCALE: ¾" = 1'-0"
(STD PLAN #440a & 440b MOD.)

PAVING DETAILS

VAULT SERIAL NO. 34459	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	REVIEWED:
CHECKED	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CGH 4/12/2006	RECEIVED
CHECKED TMR 4/12/2005	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.

MASAO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/06/2006

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

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

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202 R/W CO
VAULT PLAN NO. 777–606
SHEET 53 OF 56

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_PS3_Dt_PV.dwg [PLAN XX] - HwangC Sep-15-05 11:42am

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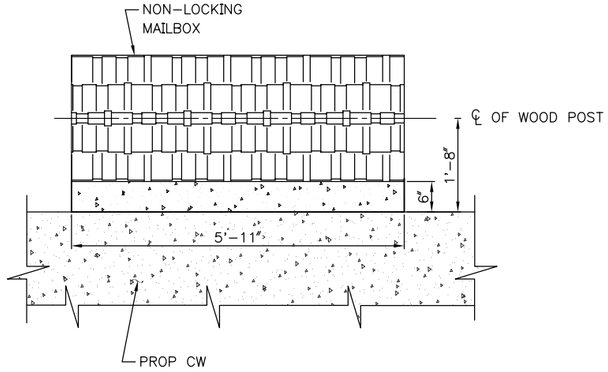
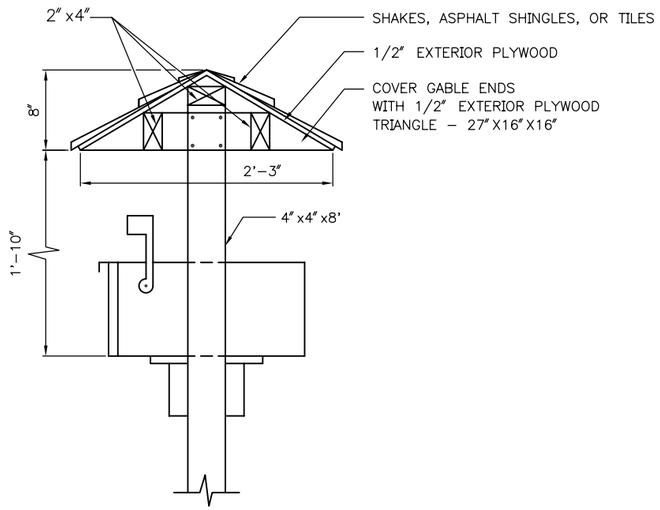


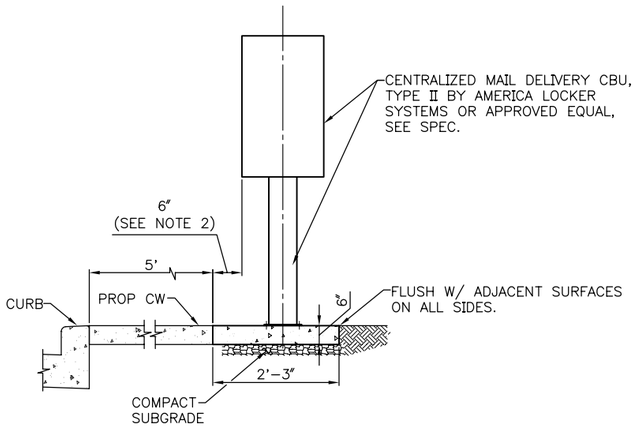
PLAN



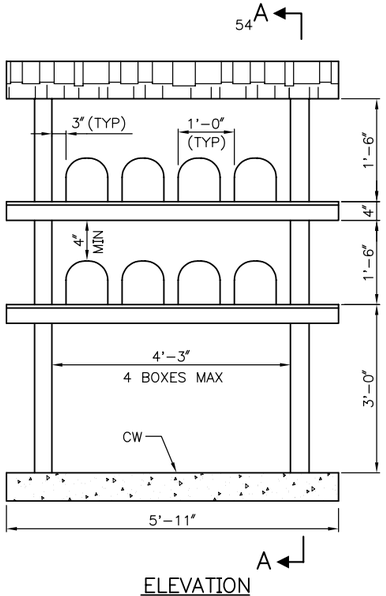
ROOF STRUCTURE 2/54
SCALE: 1½" = 1'-0"

NOTE:

1. FOR MAILBOX LOCATION SEE PAVING PLAN SHEETS. NON-LOCKING SEE SHEET 8,14. LOCKING SEE SHEET 14,20,29,30, AND 38.
2. WHEN NOT ADJACENT TO CW THE DISTANCE FROM BACK OF CURB TO FRONT OF MAILBOX SHALL BE 3'-0". CONCRETE BASE SHALL BE 6-INCHES DEEP WITH #4 REBAR AT 12" OC EACH WAY. (SEE SHEET 29)
3. WOOD POSTS SHALL BE PRESSURE TREATED FIR OR HEMLOCK.
4. ROOF STRUCTURE OMITTED WHEN SPECIFIED ON PLAN. FOR CLUSTER MAILBOX W/OUT ROOF 4"x4" POST HEIGHT SHALL END AT BASE OF UPPER MAILBOX PLATFORM (4'-10"). (SHEET 20)

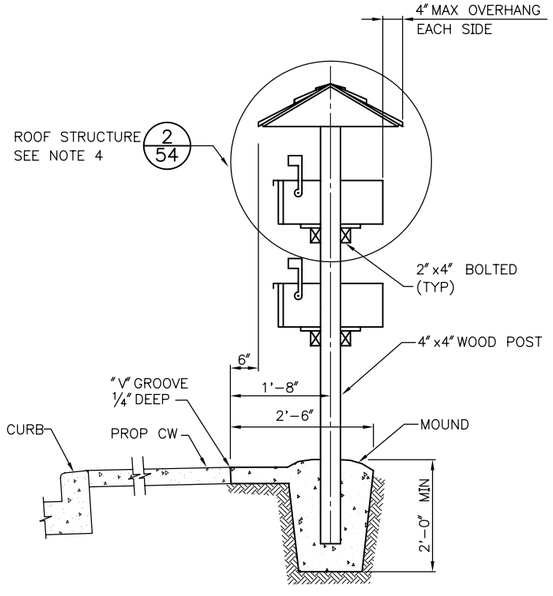


ELEVATION (SIDE)

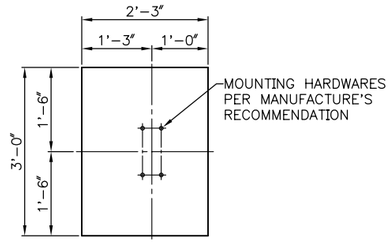


ELEVATION

NON-LOCKING MAILBOX 1/TYP
SCALE: ¾" = 1'-0"



SECTION A-A 54
SCALE: ¾" = 1'-0"



PLAN

LOCKING MAILBOX 3/TYP
SCALE: ¾" = 1'-0"

MAILBOX DETAILS

VAULT SERIAL NO.	DATE	MARK	NATURE REVISIONS	MADE	CHK'D	REV'D
34459						

P:\Utility\C333202_Contract_Dwgs\Plot_Files\C333202_P54_Dt_Mailbox.dwg [PLAN XX] – HwangC Sep-15-05 11:25am

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

NAME OR INITIALS AND DATE
DESIGNED
CHECKED
DRAWN CCH 4/12/2005
CHECKED TMR 4/12/2005

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

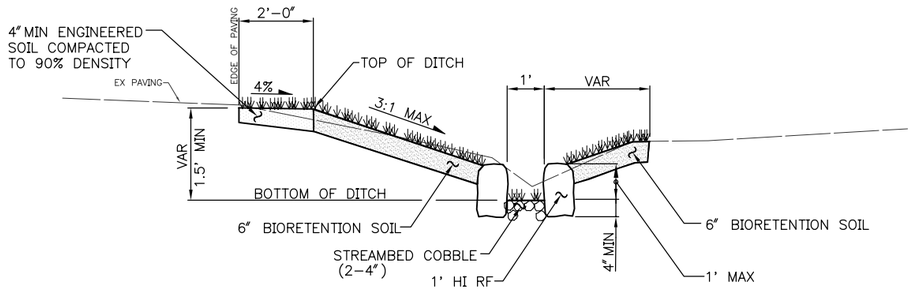
MASAKO HIRANO
STATE OF WASHINGTON
31234
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

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

PINEHURST GREEN GRID
NATURAL DRAINAGE SYSTEM

JOB NO. PC C333202
R/W
CO
VAULT PLAN NO. 777-606
SHEET 54 OF 56

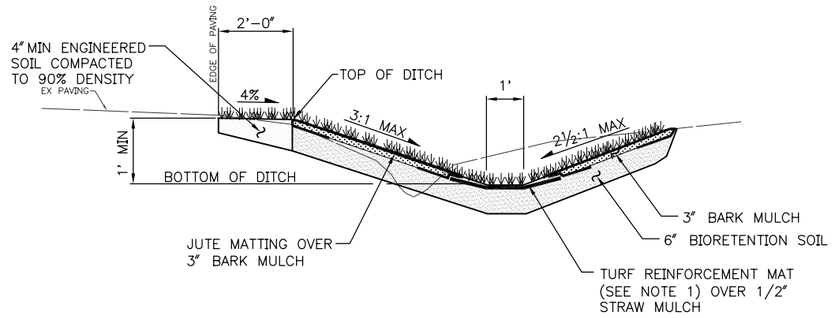
Xref Filename: | mailbox-1 | mailbox-2 | mailbox-3 | C333202_SPU-PlnSht | mailbox-CBU_TYPE_II |



CONVEYANCE DITCH TYPE 2

1/56

NTS

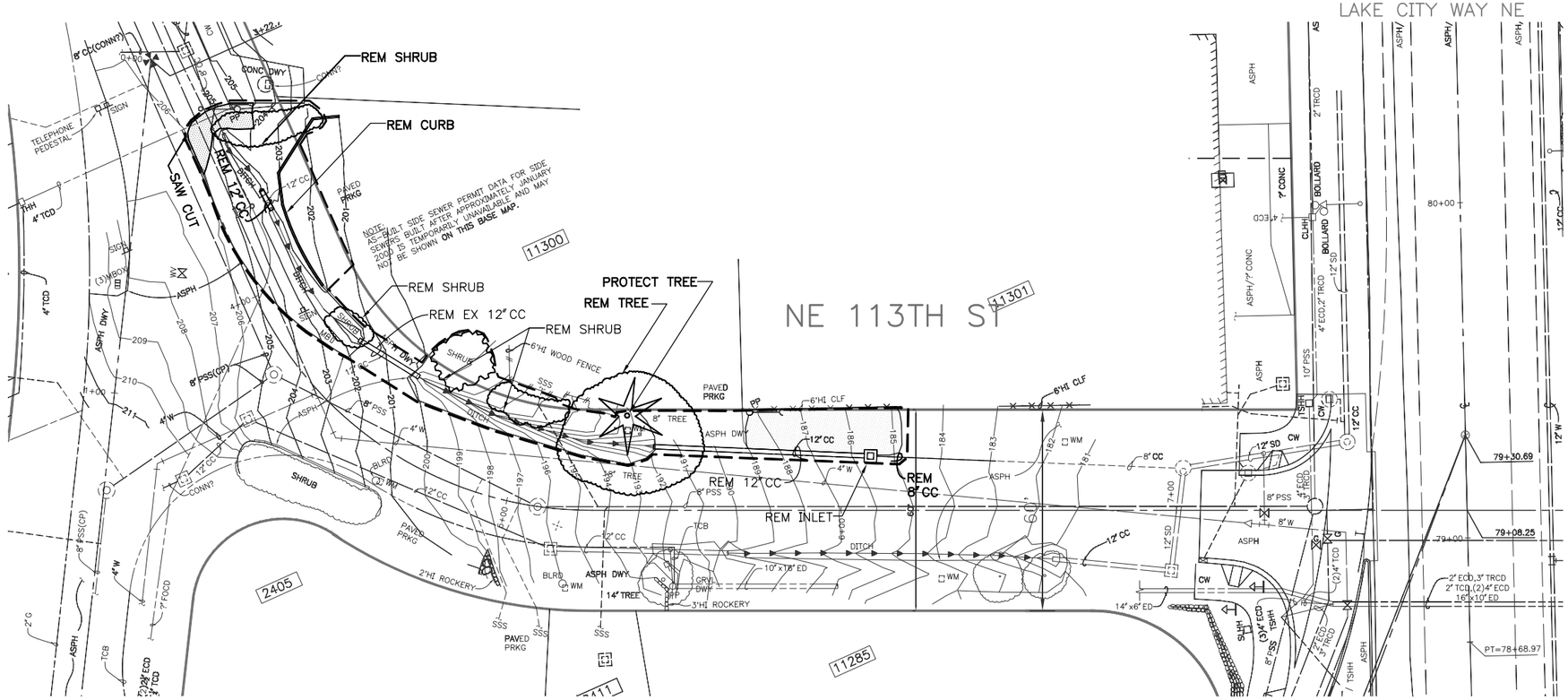


CONVEYANCE DITCH TYPE 3

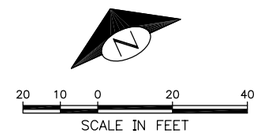
2/56

NTS

NOTE:
1. TURF REINFORCEMENT MAT SHALL BE BioD-MatTM70 BY RoLanka OR APPROVED EQUAL (SEE SPEC)



25TH AVE NE REMOVAL & PROTECTION PLAN, DRAINAGE DETAILS



LEGEND

- REMOVE ASPH PAVING
- CLEAR AND GRUB LIMITS

NOTES

UNLESS OTHERWISE NOTED:

1. FOR WATER METER AND HYDRANT ADJUSTMENT OR RELOCATION SEE NOTE 1, WATER NOTES ON SHEET 2
2. TREE PROTECTION PER STD PLAN #133 & #134; DO NOT PLACE FENCING ON PRIVATE PROPERTY.
3. ANY GRADING WITHIN CRITICAL ROOT ZONE SHALL BE UNDER THE DIRECTION OF ENGINEER.
4. 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.

NO.	DATE	MARK	MADE	CHK'D	REV'D

NATURE REVISIONS

VAULT SERIAL NO. 34459

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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	DES. CONST. GJS
DRAWN CGH 4/12/2006	SDOT PROJ. MGR. KAW
CHECKED TMR 4/12/2005	RECEIVED
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.	REVISED AS BUILT

MASAO HIRANO 31234 STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: H.= 20'

APPROVED
INSPECTOR'S BOOK

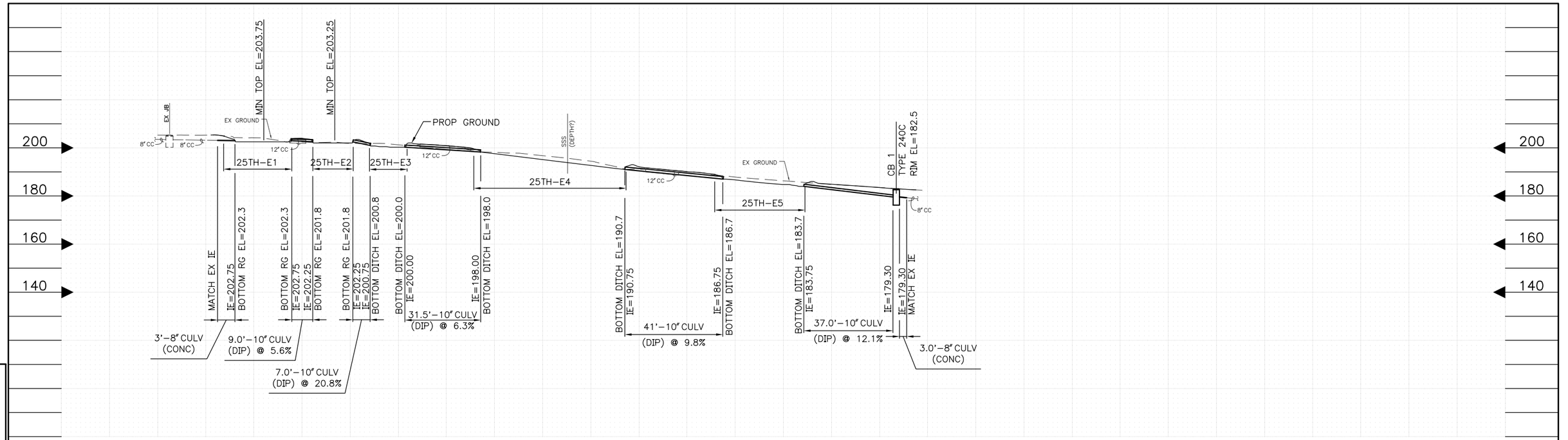
PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

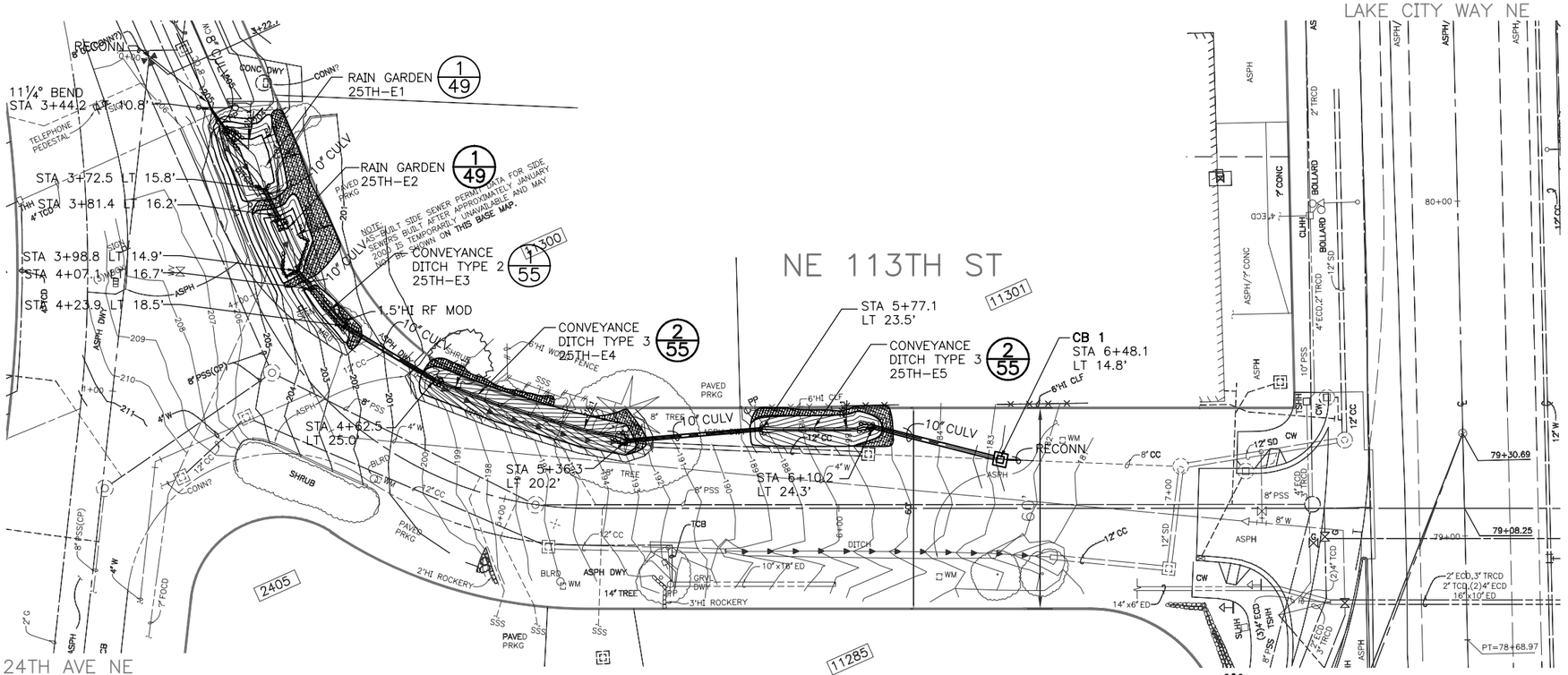
JOB NO. PC C333202
R/W
CO

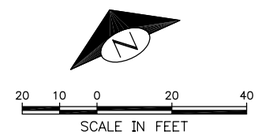
VAULT PLAN NO. 777-606

SHEET 55 OF 56

Xref Filename: | C333202_25th_Ave_NE_BS00 | C333202_SPU-PinSht | C333202_25TH Ave_REM00 | Dtl_x-section_typ_II_III |







LEGEND:

- RAIN GARDEN, 0% SLOPE SWALE BOTTOM, SEE 1/49
- BERM SUPPORT AREA, SEE EARTH BERM 5/48
- FLOW LINE
- RAIN GARDEN/DITCH TOP & BOTTOM
- ROCK FACING, 1' HIGH 3/47
- ROCK FACING, MOD 5/47
- STREAMBED COBBLES, SEE PIPE OUTLET A 2/48, & PIPE OUTLET B 4/48

25TH AVE NE DRAINAGE PLAN & PROFILE

NATURE OF REVISIONS	MADE	CHK'D	REV'D

MARK	DATE	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	DES. CONST. GJS
	SDOT PROJ. MGR. KAW
DRAWN CDI 4/12/2005	RECEIVED
CHECKED TMR 4/12/2005	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.

MASATO HIRANO — STATE OF WASHINGTON — 31234 — REGISTERED PROFESSIONAL ENGINEER
EXPIRES 11/06/2006

Seattle Public Utilities

City of Seattle
Chuck Clarke, Director

ORDINANCE NO.
FUND:
SCALE: H.= 20'

APPROVED
INSPECTOR'S BOOK

PINEHURST GREEN GRID NATURAL DRAINAGE SYSTEM

JOB NO.: PC C333202, R/W, CO
VAULT PLAN NO. 777-606
SHEET 56 OF 56

VAULT SHEET NO. 34459

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