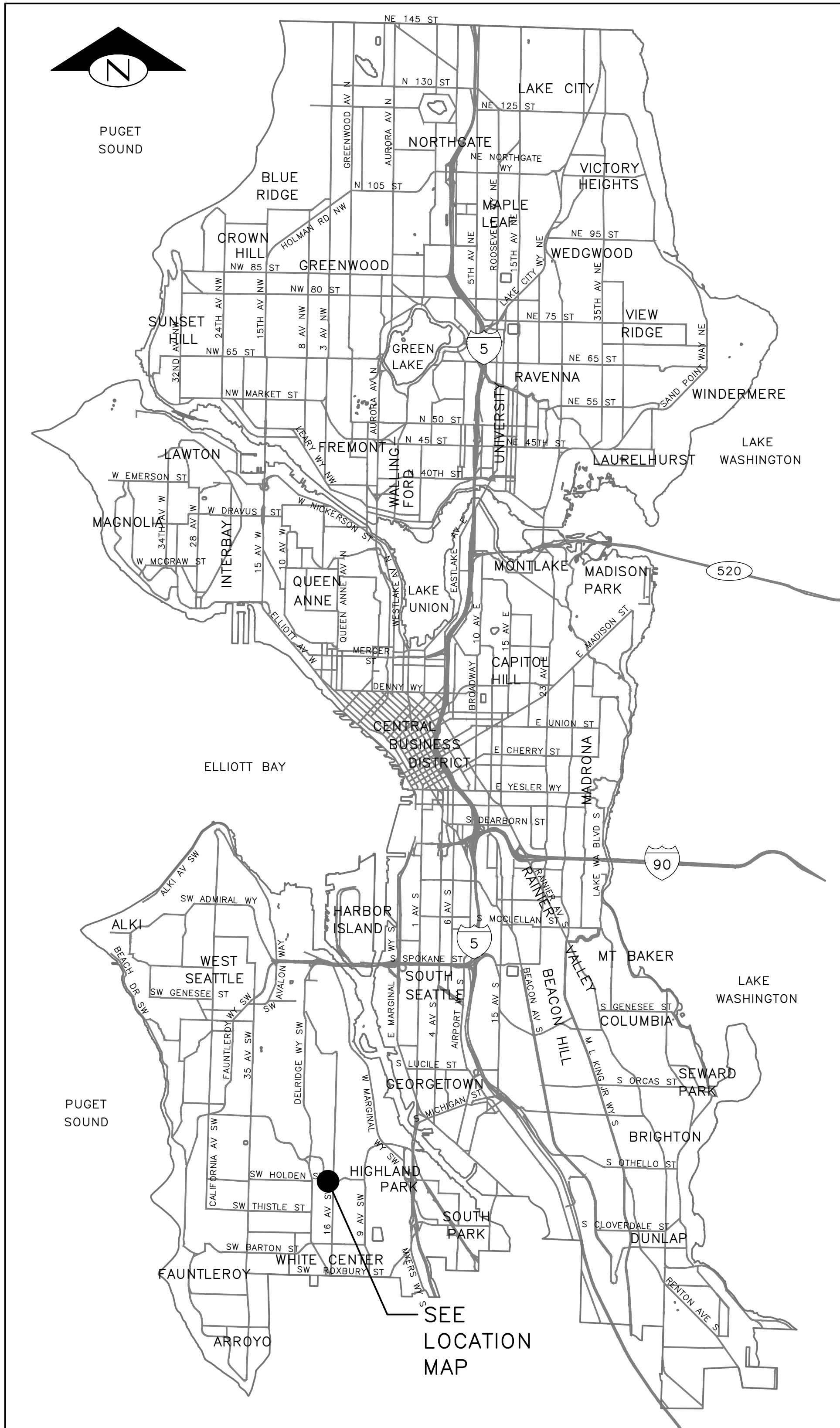
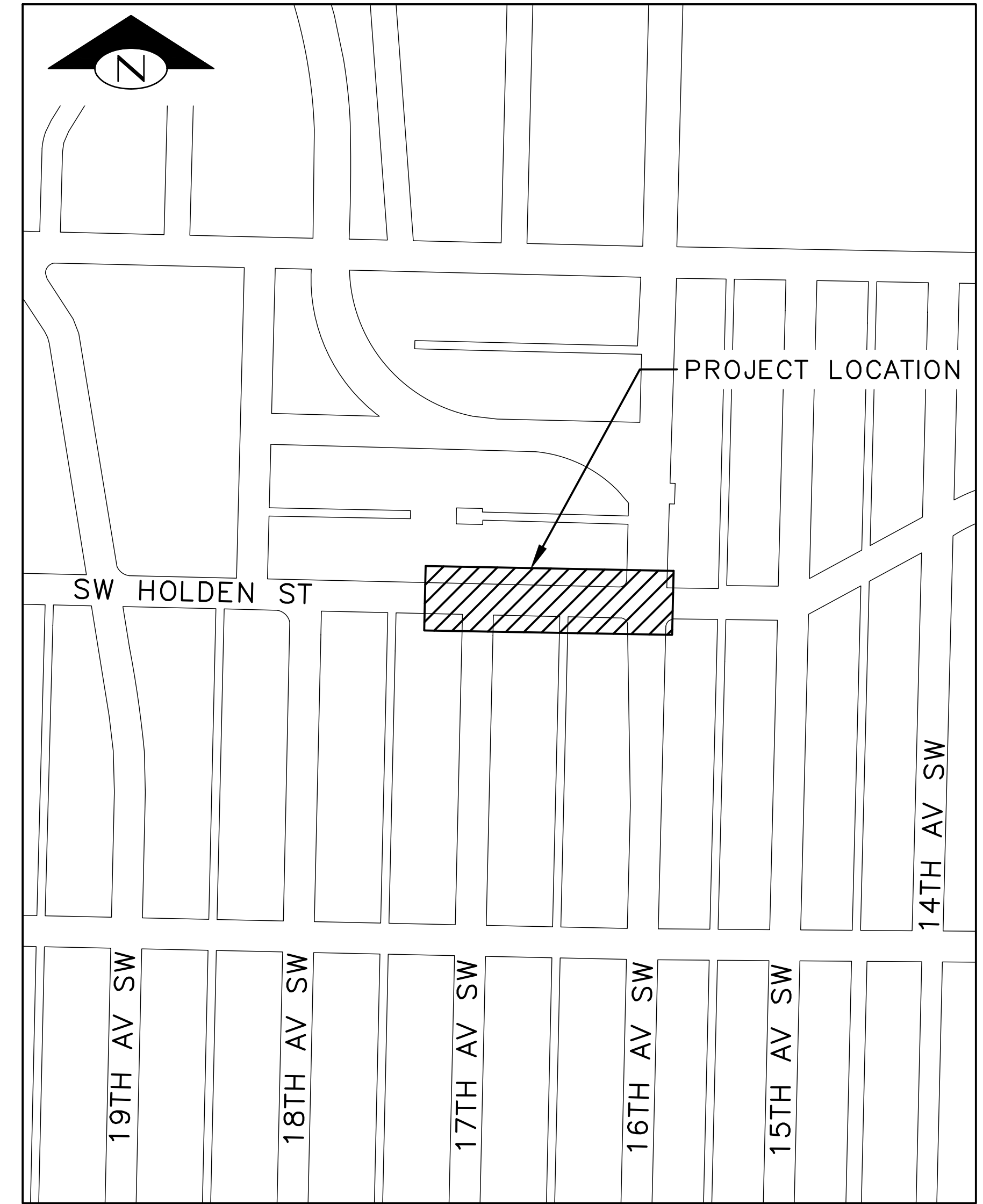


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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
39274							



VICINITY MAP  
 SCALE: 1" = 1 MILE

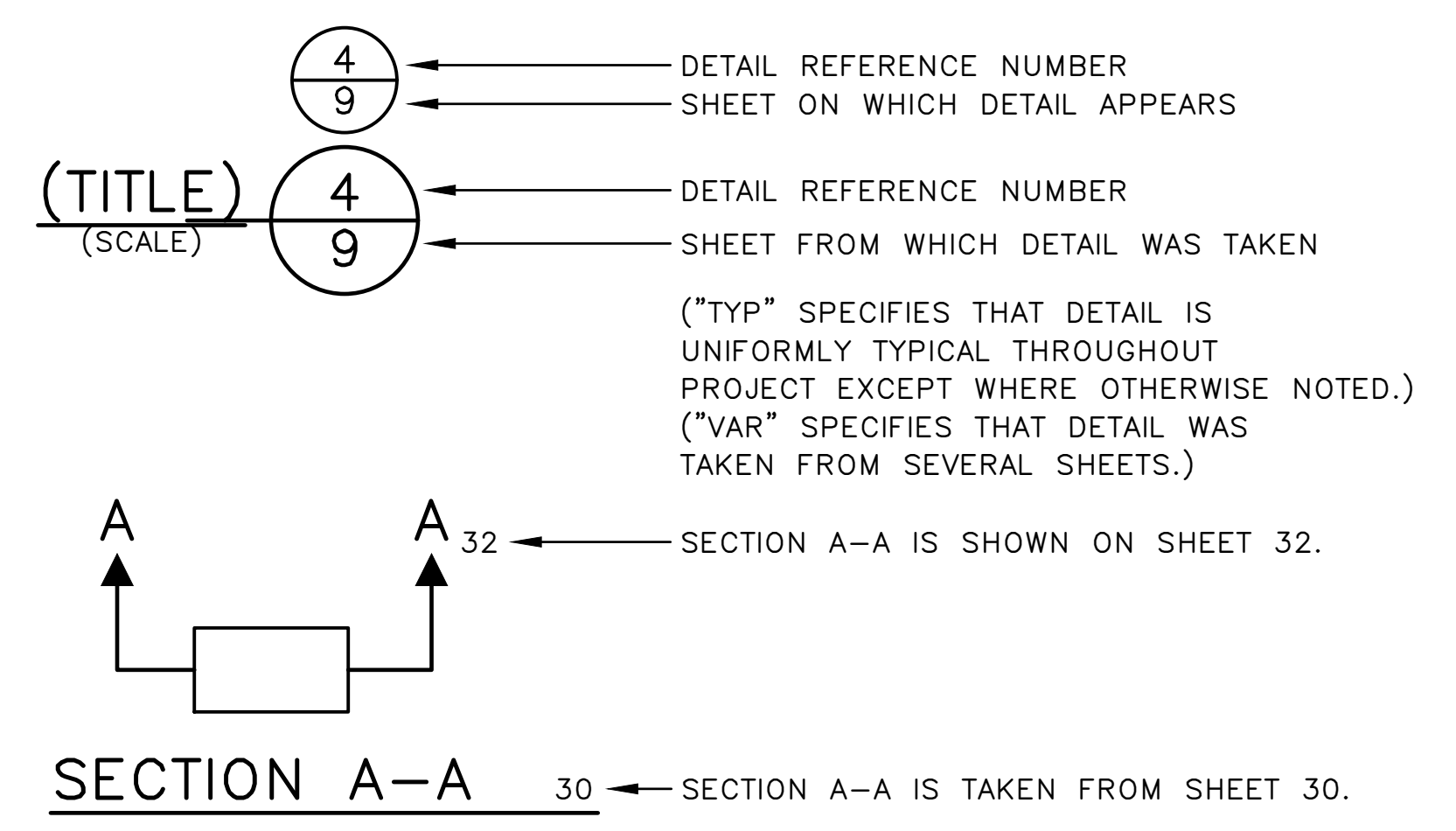


LOCATION MAP  
 SCALE: 1" = 200'

SHEET INDEX

SHT NO	DWG NO	DESCRIPTION
1	G-001	VICINITY MAP, LOCATION MAP, SHEET INDEX, DETAIL AND SECTION REFERENCING
2	G-002	NOTES (1 OF 2)
3	G-003	NOTES (2 OF 2)
4	G-004	EXISTING CONDITIONS
5	V-101	SURVEY CONTROL
6	CD101	CSEC PLAN - SW HOLDEN ST (1 OF 2)
7	CD102	CSEC PLAN - SW HOLDEN ST (2 OF 2)
8	CD103	DEMOLITION PLAN - SW HOLDEN ST (1 OF 2)
9	CD104	DEMOLITION PLAN - SW HOLDEN ST (2 OF 2)
10	CD201	CSEC DETAILS
11	CU001	GRADING AND STORM DRAIN LEGEND AND NOTES
12	CU101	GRADING AND STORM DRAIN PLAN AND PROFILE - SW HOLDEN ST (1 OF 2)
13	CU102	GRADING AND STORM DRAIN PLAN AND PROFILE - SW HOLDEN ST (2 OF 2)
14	CU201	STORM DETAILS (1 OF 5)
15	CU202	STORM DETAILS (2 OF 5)
16	CU203	STORM DETAILS (3 OF 5)
17	CU204	STORM DETAILS (4 OF 5)
18	CU205	STORM DETAILS (5 OF 5)
19	CU206	BIORETENTION ENLARGEMENTS - SW HOLDEN ST (1 OF 2)
20	CU207	BIORETENTION ENLARGEMENTS - SW HOLDEN ST (2 OF 2)
21	CU208	BIORETENTION GRADING CONTROL TABLES
22	CP001	CIVIL PAVING LEGEND AND NOTES
23	CP101	RESTORATION PLAN - SW HOLDEN ST (1 OF 2)
24	CP102	RESTORATION PLAN - SW HOLDEN ST (2 OF 2)
25	CP103	JOINTING PLAN - SW HOLDEN ST (1 OF 2)
26	CP104	JOINTING PLAN - SW HOLDEN ST (2 OF 2)
27	CP201	RESTORATION SECTIONS
28	CP202	RESTORATION DETAILS
29	CP401	ADA RAMP/INTERSECTION PLAN - SW HOLDEN ST/17TH AVE SW
30	CP402	ADA RAMP/INTERSECTION PLAN - SW HOLDEN ST/16TH AVE SW (1 OF 2)
31	CP403	ADA RAMP/INTERSECTION PLAN - SW HOLDEN ST/16TH AVE SW (2 OF 2)
32	L-001	LANDSCAPE SCHEDULE, LEGEND, NOTES, & ABBVS
33	L-101	LANDSCAPE PLAN - SW HOLDEN ST (1 OF 2)
34	L-102	LANDSCAPE PLAN - SW HOLDEN ST (2 OF 2)
35	L-201	LANDSCAPE DETAILS (1 OF 2)
36	L-202	LANDSCAPE DETAILS (2 OF 2)

DETAIL AND SECTION REFERENCING



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VICINITY MAP, LOCATION MAP, SHEET INDEX, DETAIL AND SECTION REFERENCING

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON ..... 20 ..... BY: ..... PURCHASING AND CONTRACTING	INITIALS AND DATE DESIGNED ..... CHECKED ..... DRAWN ..... CHECKED .....	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED ..... REVISED AS BUILT .....			ORDINANCE NO. .... PW NO. .... SCALE: AS NOTED	HOLDEN NDS	JOB NO. PC C600855 CO
	ALL WORK SHALL BE 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.						VPI # 792-752 <b>G-001</b> SHEET 1 OF 36

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**GENERAL NOTES**  
UNLESS OTHERWISE NOTED:

- ALL WORK MUST CONFORM TO THE 2023 EDITION OF CITY OF SEATTLE STANDARD SPECIFICATIONS, THE 2023 EDITION OF THE CITY OF SEATTLE STANDARD PLANS; AND SEATTLE DEPARTMENT OF TRANSPORTATION DIRECTOR'S RULE 01-2017 RIGHT-OF-WAY OPENING AND RESTORATION RULES. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- A COPY OF THE APPROVED PLAN MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- ERRORS AND OMISSIONS ON THE PERMITTED PLANS MUST BE CORRECTED BY THE ENGINEER AND APPROVED BY THE CITY OF SEATTLE.
- ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.
- NOT USED.
- CONTRACTOR MUST CONTACT SEATTLE DEPARTMENT OF TRANSPORTATION, STREET USE INSPECTOR A MINIMUM OF 2 BUSINESS DAYS PRIOR TO NEEDING AN INSPECTION.
- ALL DAMAGE TO CITY INFRASTRUCTURE CAUSED BY THE CONSTRUCTION MUST BE IMMEDIATELY REPORTED AND REPAIRED AS REQUIRED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION. TO REPORT DAMAGE TO SPU INFRASTRUCTURE, INCLUDING ANY SEWAGE RELEASE OR BLOCKAGE, CALL 206-386-1800.
- THE APPROVED PLANS WILL SHOW THE APPROXIMATE AREA OF PAVEMENT RESTORATION BASED ON THE DEPTH OF UTILITY CUTS AND/OR THE AREA OF CURB AND/OR PAVEMENT TO BE REMOVED AND REPLACED. THE ACTUAL LIMITS OF THE PAVEMENT RESTORATION WILL BE PER THE DIRECTOR'S RULE 01-2017, RIGHT-OF-WAY OPENING AND RESTORATION RULE AND WILL BE DETERMINED IN THE FIELD BY THE SEATTLE DEPARTMENT OF TRANSPORTATION STREET USE INSPECTOR PRIOR TO THE PAVEMENT RESTORATION. FOR SPU WATER SERVICES, APPLICANT MUST SHOW THE PAVEMENT RESTORATION LIMITS FOR THE PROPOSED AND THE EXISTING WATER SERVICES TO BE RETIRED, INCLUDING SERVICES THAT ARE OUTSIDE THE PROJECT AREA, BUT SERVE THE PARCEL.
- NAVD88 AND NAD 83 (2011) 2010.00 EPOCH.
- SURVEYING AND STAKING OF ALL IMPROVEMENTS IN THE PUBLIC RIGHT OF WAY MUST BE COMPLETED PRIOR TO CONSTRUCTION. CONTRACTOR TO STAKE THE CURB AT THE CENTERLINE OF DRAINAGE GRATES PER STANDARD PLAN 260A. SURVEY GRADE SHEETS MUST BE SUBMITTED AND APPROVED BY THE SEATTLE DEPARTMENT OF TRANSPORTATION AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION.
- IF AN EXISTING CURB IS TO BE REMOVED AND REPLACED IN THE SAME LOCATION THE CONTRACTOR MUST PROVIDE THE STREET USE INSPECTOR A PLAN WITH EXISTING FLOW LINE AND TOP OF CURB ELEVATIONS IDENTIFIED. CONTRACTOR TO STAKE THE LOCATION OF THE EXISTING CURB PRIOR TO DEMOLITION.
- THE CONTRACTOR MUST BE RESPONSIBLE FOR REFERENCING AND REPLACING ALL SURVEY MONUMENTS THAT MAY BE DISTURBED, DESTROYED OR REMOVED BY THE PROJECT AND 2 WORKING DAYS, PRIOR TO THE WORK, MUST FILE AN APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT WITH THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, PURSUANT TO WAC 332-120. THE CONTRACTOR MUST PROVIDE THE ENGINEER AND SPU LAND SURVEY WITH A COPY OF THE APPROVED PERMIT AND COMPLETION REPORT. SEE STANDARD SPECIFICATION 1- 07.28 ITEM 17.
- THE CONTRACTOR MUST SUBMIT ALL APPLICABLE DOCUMENTS REQUIRED UNDER SECTION 1-05.3 OF THE STANDARD SPECIFICATIONS PRIOR TO CONSTRUCTION. A MATERIAL SOURCE FORM FOR ALL MATERIALS TO BE PLACED IN THE RIGHT OF WAY AND MIX DESIGNS FOR ALL ASPHALT, CONCRETE AND AGGREGATES TO BE PLACED IN THE RIGHT OF WAY MUST BE SUBMITTED TO THE SEATTLE DEPARTMENT OF TRANSPORTATION FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION. A REVISED MATERIAL SOURCE FORM AND MIX DESIGNS MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF ANY SUBSTITUTE MATERIALS.
- THE CONTRACTOR MUST NOTIFY THE SEATTLE FIRE DEPARTMENT DISPATCHER (206-386-1495) AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR MUST ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.

- THE CONTRACTOR MUST LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION.
- THE CONTRACTOR MUST CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (811) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREIN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATELY ONLY AND NOT NECESSARILY COMPLETE. UTILITIES HAVING NO RECORDED DEPTH ARE SHOWN AT THEIR STANDARD DEPTH. WHERE AVAILABLE, POTHOLE LOCATIONS AND DEPTH INFORMATION OBTAINED FOR THE PROJECT ARE SHOWN IN THE DRAWINGS.
- THE CONTRACTOR MUST ADJUST ALL EXISTING MAINTENANCE HOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS PER STD SPEC 7-20.3. IF AN EXISTING WATER VALVE BOX REQUIRES ADJUSTMENT, IT MUST BE DONE BY EXCAVATING THE CASTING AND VERTICALLY ADJUSTING THE TOP SECTION OF THE VALVE BOX. THE FLANGE MUST BE CAST INTO SURROUNDING PAVEMENT AS SHOWN ON STD PLAN 315. DO NOT USE RING EXTENSIONS.
- THE CONTRACTOR MUST FOLLOW SPU CORE TAP PROCEDURES FOR ALL NEW CONNECTIONS TO EXISTING SEWER OR DRAINAGE MAINS OR STRUCTURES. CONTRACTORS ARE NOT ALLOWED TO CORE INTO MAINS OR STRUCTURES 6 PRIOR APPROVAL FROM SPUDWW. TO SCHEDULE CORE CUT CONTACT SPU-DWW AT 206-615-0511 A MINIMUM OF 2 BUSINESS DAYS IN ADVANCE.
- ALL UTILITY SERVICE CONNECTIONS SHOWN ON THIS PLAN REQUIRE SEPARATE PERMITS.
- THE CONTRACTOR MUST PROVIDE FOR ALL TESTING AS REQUIRED BY THE STREET USE INSPECTOR AND SPU RESIDENT ENGINEER
- INSPECTION AND ACCEPTANCE OF ALL WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE DONE BY REPRESENTATIVES OF THE CITY OF SEATTLE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS ALLOWING FOR PROPER ADVANCE NOTICE. THE SEATTLE DEPARTMENT OF TRANSPORTATION STREET USE INSPECTOR MAY REQUIRE REMOVAL AND RECONSTRUCTION OF ANY ITEMS PLACED IN THE RIGHT OF WAY THAT DO NOT MEET CITY STANDARDS OR THAT WERE CONSTRUCTED WITHOUT APPROPRIATE INSPECTIONS.
- THE CONTRACTOR MUST PROVIDE A PLAN FOR STORMWATER AND EROSION CONTROL AND INSTALL, MAINTAIN AND REMOVE TEMPORARY FACILITIES PER SECTION 8-01. AS CONSTRUCTION PROGRESSES AND CONDITIONS DICTATE, ADDITIONAL CONTROL FACILITIES MAY BE REQUIRED. DURING THE COURSE OF CONSTRUCTION IT WILL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THE CONTRACTOR'S ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.
- NOT USED.
- ALL TRAFFIC CONTROL MUST BE IN ACCORDANCE WITH THE CITY OF SEATTLE TRAFFIC CONTROL MANUAL FOR IN-STREET WORK. AN APPROVED TRAFFIC CONTROL PLAN WILL BE REQUIRED FOR ALL ARTERIAL STREETS, HIGH IMPACT AREAS AND CONSTRUCTION HUBS PRIOR TO BEGINNING CONSTRUCTION. TRUCK TRAFFIC MUST BE MINIMIZED THROUGH THE NEIGHBORHOODS. TRUCK TRAFFIC MUST USE ARTERIAL ROUTES WHERE POSSIBLE.
- CONTRACTOR MUST NOTIFY KING COUNTY METRO AT 206- 477-1140 FOURTEEN DAYS IN ADVANCE OF ANY IMPACT TO TRANSIT OPERATIONS. CALL 206-477-1150 FOR ANY COORDINATION RELATED TO KING COUNTRY METRO TROLLEY (INCLUDING SLU AND FIRST HILL STREET CAR). CONTACT KING COUNTY METRO TWO MONTHS PRIOR FOR ANY TROLLEY DE-ENERGIZING REQUESTS.
- COORDINATE PARKING/LOADING SIGN(S) AND PAY STATION REMOVAL / RELOCATION AND INSTALLATION WITH SEATTLE DEPARTMENT OF TRANSPORTATION CURB SPACE MANAGEMENT AT 206-684-5370 WITH AT LEAST 10 BUSINESS DAYS' NOTICE. SIGNPOSTS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD PLANS 616, 620, 621A, 621B, 625, & 626.
- ALL STREET NAME SIGNS MUST BE INSTALLED BY SEATTLE DEPARTMENT OF TRANSPORTATION AT THE CONTRACTOR'S EXPENSE.

- ALL PLANNED AND PROPOSED WORK SHOWN HEREIN TO BE PERFORMED BY SEATTLE CITY LIGHT, SEATTLE PUBLIC UTILITIES, AND OTHER UTILITIES TO INSTALL, REPAIR, REMOVE OR RELOCATE UTILITIES WILL BE DONE AT THE PERMITTEE'S EXPENSE.
- CONTRACTOR MUST CONTACT THE SEATTLE DEPARTMENT OF PARKS AND RECREATION TO APPLY FOR A SEPARATE PERMIT IF WORKING WITHIN A DESIGNATED PARK BOULEVARD.
- CARE MUST BE EXERCISED WHEN EXCAVATING OR REMOVING PAVEMENT NEAR EXISTING CHARGED WATER MAINS. CAST IRON WATER MAINS ARE KNOWN TO BE SENSITIVE TO EXCESSIVE VIBRATION. COORDINATE PROTECTION METHODS WITH SPU.

**SEATTLE CITY LIGHT NOTES**  
UNLESS OTHERWISE NOTED:

- ALL DISCONNECTIONS: TEMPORARY OR FINAL SERVICE CONNECTIONS WILL BE MADE BY SEATTLE CITYLIGHT (SCL) AT PROJECT'S EXPENSE. COORDINATE ALL ENERGIZING AND DE-ENERGIZING OF STREET LIGHTING SERVICE WITH SCL ELECTRICAL SERVICE REPRESENTATIVE AND STREETLIGHT ENGINEER FIFTEEN (15) WORKING DAYS IN ADVANCE. ADDITIONAL TIME MAY BE NEEDED FOR CREW SCHEDULING AND MOBILIZATION.
- CONTRACTOR MUST MAKE PRIOR COORDINATION FOR FLOOD OR STREETLIGHT REMOVAL. CONTRACTOR MUST MAKE PRIOR DELIVERY COORDINATION FOR SALVAGED STREETLIGHT-RELATED MATERIALS TO SEATTLE CITY LIGHT SALVAGE YARD AT 4TH AVE S & S SPOKANE ST, 98134. CONTACT SALVAGE COORDINATOR AT 206-386-1765. NO ARTERIAL STREETLIGHT MAY BE DISABLED WITHOUT PRIOR APPROVAL FROM SEATTLE DEPARTMENT OF TRANSPORTATION, (SDOT).
- EXISTING STREET LIGHTING SYSTEM SHALL BE MAINTAINED DURING CONSTRUCTION.
- WORK MUST BE SCHEDULED SUCH THAT NO TWO (2) ADJACENT OR OPPOSITE STREETLIGHTS ARE DISABLED AT ANY ONE TIME.
- ANY EXCAVATION IN PROXIMITY TO AN EXISTING POWER POLE, STREETLIGHT POLE, OR OTHER INSTALLATION MUST BE DONE WITHOUT UNDERMINING ITS STABILITY UST COMPLY WITH WASHINGTON ADMINISTRATIVE CODE (WAC) 296-155, SAFETY STANDARDS FOR CONSTRUCTION WORK, PART N. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY STABILIZING SUPPORT. POLE PROTECTION/SUPPORTING SYSTEMS USED WHILE EXCAVATING MUST COMPLY WITH CITY LIGHT WORK PRACTICE 0101.75.
- INSTALLATION OF UNDERGROUND STREETLIGHT SYSTEMS, AND STREETLIGHT SYSTEM GROUNDING AND BONDING MUST BE PER SEATTLE CITY LIGHT (SCL) CONSTRUCTION STANDARD 1714.50.
- ALL WIRING, INCLUDING STREET LIGHTING, PEDESTRIAN LIGHTING AND FESTOON LIGHTING CIRCUITS MUST BE CLEARLY LABELED PER SEATTLE CITY LIGHT (SCL) CONSTRUCTION STANDARD 1714.10.
- EACH LUMINAIRE MUST BE FUSED PER (SCL) CONSTRUCTION STANDARD 1730.00.
- STREETLIGHT HANDHOLE AND CONDUIT REQUIREMENTS MUST CONFORM TO SCL CONSTRUCTION STANDARD 1716.07.
- PULL TAPE MUST BE INSTALLED THROUGH VACANT CONDUIT CAPPED PER (SCL) CONSTRUCTION STANDARD U2-11.40/NDK-40.
- MAINTAIN MINIMUM HORIZONTAL & VERTICAL CLEARANCES BETWEEN SCL UNDERGROUND STRUCTURES AND VARIOUS OTHER UTILITY STRUCTURES PER SCL CONSTRUCTION STANDARD 0214.00.
- FOR STREET LIGHTING INSPECTIONS CONTACT SCL ELECTRICAL REVIEWER TEN (10) WORKING DAYS IN ADVANCE.
- CONTRACTOR MUST CALL FOR AN ELECTRICAL REVIEWER INSPECTION OF THE STREET LIGHTING SYSTEM AT VARIOUS STAGES OF INSTALLATION/CONSTRUCTION OR AS INSTRUCTED BY THE SCL INSPECTOR.
- CONTRACTOR MUST PROVIDE AN OPERATOR AND MAN LIFT TRUCK FOR USE DURING INSPECTION OF INSTALLED STREETLIGHT FACILITIES.

**SIGNAL NOTES**  
UNLESS OTHERWISE NOTED:

- CONTRACTOR SHALL MAINTAIN EXISTING SIGNAL OPERATION DURING CONSTRUCTION AND PROVIDE TEMPORARY SIGNAL MODIFICATIONS WHEN NEEDED APPROVED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL WORK NECESSARY TO ADJUST, RELOCATE, REPAIR OR CONSTRUCT ANY PART OF THE SIGNAL UTILITY SHALL BE AT THE CONTRACTOR'S EXPENSE. THIS WORK IS TO BE PERFORMED BY A QUALIFIED SIGNAL CONTRACTOR OR SDOT CREWS.
- ANY CONFLICTS WITH THE SIGNAL SYSTEM AND CONSTRUCTION SEQUENCE MUST BE COORDINATED WITH THE SIGNAL OPERATIONS OFFICE AS SOON AS KNOWN. CONTACT DODD PHARIS AT 206-684-5105. A MINIMUM FIVE WORKING-DAY NOTICE IS REQUIRED FOR ANY WORK REQUESTED OF TRAFFIC SIGNAL ELECTRICIAN CREWS. SDOT CREWS WILL NOT BE SCHEDULED UNTIL AN ACCOUNT HAS BEEN SET UP FOR THE SPECIFIC PROJECT WITH A DEPOSIT TO COVER ALL COSTS TO RESOLVE THE CONFLICT AND A RESPONSIBLE PARTY HAS SIGNED THE SDOT-SIGNAL PRIVATE CONTRACTOR BILLING AGREEMENT. ANY WORK PERFORMED BY SDOT CREWS EXCEEDING THE DEPOSIT AMOUNT WILL BE INVOICED AND BILLED TO THE CONTRACTOR. ANY UNUSED MONEY WILL BE REFUNDED AT THE CONCLUSION OF THE PROJECT.
- ANY SIGNAL ITEMS, INCLUDING BUT NOT LIMITED TO SIGNAL HEADS, POLE FOUNDATIONS, PEDESTALS, DETECTOR LOOPS, CONDUITS, HANDHOLES, AND ASSOCIATED SPAN WIRES AND CABLES THAT ARE DAMAGED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ANY SIGNAL ITEMS WHICH ARE DISTURBED AS A RESULT OF GRADE CHANGE ARE REQUIRED TO BE REGRADED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- ACCESS TO CONTROLLER CABINETS AND ASSOCIATED SIGNAL EQUIPMENT MUST BE AVAILABLE AT ALL TIMES. SPACE MUST BE PROVIDED FOR DOOR SWING. ANY FENCES, EQUIPMENT AND MATERIAL STORAGE SHALL NOT BLOCK ACCESS TO SIGNAL EQUIPMENT. ANY COSTS AND/OR TIME LOSS INCURRED BY SDOT CREWS IN GAINING ACCESS TO BLOCKED SIGNAL EQUIPMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
- ANY WORK THAT WILL DAMAGE OR DESTROY TRAFFIC LOOP DETECTORS MUST NOTIFY SIGNAL OPERATIONS OFFICE AT EARLIEST TIME NO LESS THAN TWO WEEKS PRIOR TO SCHEDULED WORK. SIGNAL OPERATIONS OFFICE WILL PREPARE AN ESTIMATE TO COVER THE COST ASSOCIATED WITH TEMPORARY DETECTION AND TIMING, DIS-CONNECTION, DETECTOR TESTING, RE-CONNECTION AND RESTORATION OF PERMANENT TIMING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE THE DETECTOR LOOPS WITHIN TWO (2) WEEKS OF DESTRUCTION OR PROVIDE TEMPORARY DETECTION DURING THE INTERIM. FULLY RESTORED PAVEMENT MUST BE IN PLACE BEFORE THE LOOPS CAN BE RESTORED. A DEPOSIT FOR THE FULL ESTIMATE PREPARED BY THE SIGNAL OPERATIONS OFFICE AND A SIGNED SDOT-SIGNAL PRIVATE CONTRACTOR BILLING AGREEMENT BILLING IS REQUIRED PRIOR TO SCHEDULED WORK.

**PSE NOTES**  
UNLESS OTHERWISE NOTED:

- CONTACT MAPREQUEST@PSE.COM FOR UPDATED GAS MAPS OF AREA.
- MAINTAIN A MINIMUM 1-FT VERTICAL SEPARATION WHEN CROSSING GAS MAINS OR SERVICES AND MINIMUM 3-FT HORIZONTAL SEPARATION WHEN RUNNING PARALLEL TO GAS MAINS OR SERVICES.
- CONTACT PSE PI INSPECTOR BEFORE WORKING NEAR HIGH PRESSURE OR > 4-IN GAS MAIN:  
DOWNTOWN SEATTLE: GLENN HUDEN | 206-396-4159 | GLENN.HUDEN@PSE.COM  
SOUTH SEATTLE: TROY PETERSON | 206-396-0730 | TROY.PETERSON@PSE.COM  
NORTH SEATTLE: MITCH BALZER | 253-377-9539 | MITCHELL.BALZER@PSE.COM
- COORDINATE WITH PSE CUSTOMER CONSTRUCTION SERVICES AT 1-888-321-7779 AND A PSE PROJECT MANAGER FOR RELOCATION OF GAS MAINS AND SERVICES AS NEEDED.
- LOCATE AND PROTECT ALL GAS FACILITIES IN THE FIELD.
- THE CONTRACTOR MUST COORDINATE VERTICAL ADJUSTMENT OF GAS SERVICES LINES WITH THE GAS COMPANY.

**60% SIP SUBMITTAL**

NOTES (1 OF 2)

APPROVED FOR ADVERTISING	INITIALS AND DATE	INITIALS AND DATE
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DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES	DES.	CONST.
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BY: . . . . .	ALL WORK SHALL BE 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.	
PURCHASING AND CONTRACTING		



**Seattle Public Utilities**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: NONE

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VPI #	792-752
<b>G-002</b>	
SHEET	2 OF 36

HOLDEN NDS

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**TREE PROTECTION AND LANDSCAPE RESTORATION NOTES**

UNLESS OTHERWISE NOTED:

1. THE CONTRACTOR MUST SUBMIT A TREE, VEGETATION, AND SOIL PROTECTION PLAN (TVSPP) IN ACCORDANCE WITH 8-01.3(2)B. ALL TREES NOT IDENTIFIED FOR REMOVAL MUST BE PROTECTED PER STANDARD PLAN 132A, 132B, AND 133. NOTE AND PHOTOGRAPH CONDITIONS AND MATERIALS IN EXISTING TREE PITS TO INCLUDING PAVERS FOR REVIEW BY SDOT URBAN FORESTRY.
2. CONTRACTOR MUST NOTIFY THE ENGINEER AND SDOT URBAN FORESTRY 72 HOURS MIN PRIOR TO BOTH DEMOLITION AND EXCAVATION WITHIN THE TREE DRIP LINE.
3. **AIR SPADING REQUIRED**  
ALL TRENCH EXCAVATION IN THE TREE DRIPLINE MUST BE PERFORMED TO FULL DEPTH AND WIDTH OF THE EXCAVATION WITH AN AIR SPADE UNDER THE SUPERVISION OF AN SDOT URBAN FORESTRY ARBORIST. WATER SLUICING IS NOT ALLOWED. RETAIN ALL STRUCTURAL ROOTS (1 INCH OR GREATER) ACROSS TRENCHES. SDOT URBAN FORESTRY ARBORIST TO DIRECT ROOT PRUNING IF NECESSARY.
4. AVOID DAMAGE TO ROOTS DURING CONCRETE SAWCUTTING, DEMOLITION, EXCAVATION, AND TRENCHING.
5. REMOVE PAVEMENT WITHIN TREE DRIPLINE BY SAWCUTTING FREQUENTLY (12 TO 18-INCHES O.C.) TO ALLOW SMALL PIECES TO BREAK OUT. IF PART OF PAVEMENT IS FIRMLY ATTACHED TO ROOTS GREATER THAN 1-INCH, PRUNE ROOTS UNDER SUPERVISION OF SDOT URBAN FORESTRY ARBORIST.
6. PROTECT TREE ROOTS AFTER EXPOSURE DUE TO CONCRETE REMOVAL, AIR SPADING, AND OTHER CONSTRUCTION ACTIVITY. ONLY EXCAVATE AND EXPOSE AREA OF ROOTS THAT CAN BE BACKFILLED AND COVERED WITHIN ONE WORKING DAY. MAINTAIN MOIST SUBGRADE CONDITION UNTIL NEW CONCRETE IS INSTALLED.
7. ALL DISTURBED SOILS MUST BE AMENDED PER STANDARD PLAN 142 AND SECTION 8-02 OF THE STANDARD SPECIFICATIONS UNLESS DISTURBANCE IS LIMITED TO WITHIN ONE FOOT OF A CURB OR SIDEWALK, THREE FEET OF A UTILITY STRUCTURE (E.G. WATER METER, UTILITY POLE, HAND HOLE, ETC.), OR THE DRIPLINE OF AN EXISTING TREE.
8. COORDINATE TREE REMOVAL AND TRIMMING ON PRIVATE PROPERTY WITH PROPERTY OWNER.

**DRAINAGE CB AND INLET NOTES**

UNLESS OTHERWISE NOTED:

1. CATCH BASIN CONNECTIONS AND INLET CONNECTIONS MUST BE 8-IN DIAMETER. PIPE MUST BE CEMENT MORTAR LINED DUCTILE IRON CLASS 50 (MIN) PER SECTION 9-05.3. FITTINGS MUST BE CEMENT MORTAR LINED DUCTILE IRON. JOINTS MUST BE RUBBER GASKET, PUSH-ON, OR MECHANICAL.
2. BEDDING FOR DUCTILE IRON PIPE MUST BE CLASS D.
3. TRENCH BACKFILL MUST BE MINERAL AGGREGATE TYPE 17. NATIVE MATERIAL WILL NOT BE ALLOWED.
4. CATCH BASIN CONNECTIONS MUST BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 100% PER STANDARD PLAN 261 AND SPECIFICATION 7-08.3(4).
5. INLET CONNECTIONS MUST BE PLACED AT A MINIMUM SLOPE OF 5% AND A MAXIMUM SLOPE OF 50% PER SPECIFICATION 7-08.3(5).
6. CATCH BASINS AND INLETS MUST BE LOCATED PER STANDARD PLAN 260A AND 260B.
7. TELEVISION INSPECTION OF CATCH BASIN CONNECTIONS MUST BE PER SPECIFICATION 7-17.3(G).
8. CONTRACTORS ARE NOT ALLOWED TO CORE INTO MAINS OR STRUCTURES WITHOUT PRIOR APPROVAL FROM SPU. TO SCHEDULE CORE TAPS, CONTACT SPU AT 206-615-0511 A MINIMUM OF 2 BUSINESS DAYS IN ADVANCE. SPU SHALL BE ONSITE PRIOR TO THE START OF CONTRACTOR PERFORMED CORE TAP. CONTRACTORS PERFORMING CORE TAPS MUST PROVIDE THE COUPON OF REMOVED MATERIAL TO SPU.

**WATER SERVICE NOTES**

UNLESS OTHERWISE NOTED:

1. ALL UNDERGROUND WATER SERVICE PIPING ON PRIVATE PROPERTY MUST BE INSPECTED PRIOR TO BACKFILLING TRENCH. FOR INFORMATION AND INSPECTION, CALL 206-684-5800.
2. WATER SERVICE TRANSFERS FROM THE EXISTING MAIN TO THE NEW MAIN WILL BE MADE BY SPU WITH CONTRACTOR ASSISTANCE.
3. WATER SERVICE RELOCATIONS, AS SHOWN ON THE PLANS AND CALLED OUT ON SERVICE LIST, WILL BE MADE BY SPU WITH CONTRACTOR ASSISTANCE.
4. REPLACEMENT OF WATER METER BOXES IN DRIVING SURFACES WITH FRAMES AND COVERS HAVING INSPECTION COVERS (F&C W/IC) ARE CALLED OUT ON THE SERVICE LIST AND MUST BE PLACED BY CONTRACTOR.
5. WATER SERVICE RENEWALS, FROM NEW MAIN TO METER TAIL- RUN AND UNION CONNECTION, WILL BE PERFORMED BY SPU WITH CONTRACTOR ASSISTANCE.
6. WHERE WORK CROSSES THE LOCATION OF EXISTING WATER SERVICES, THE CONTRACTOR MUST COORDINATE WORK WITH SPU WHO WILL PROVIDE AN OFFSET IN THE SERVICE LINE AHEAD OF THE WORK.
7. SERVICE TRANSFERS: CONTRACTOR MUST ASSIST SPU WITH WATER SERVICE CONNECTION TRANSFERS PER STANDARD SPECIFICATION SECTION 7-15. FOR SERVICES LARGER THAN 2 INCHES, CONTRACTOR MUST SUPPLY PIPE, FITTINGS AND VALVES. FOR SERVICES 2 INCHES AND SMALLER SPU WILL PROVIDE ALL MATERIALS.
8. CONTRACTOR MUST ASSIST SPU WITH WATER SERVICE CONNECTIONS PER STANDARD SPECIFICATION SECTION 7-11.3(9)C. CONTRACTOR MUST SUPPLY AND INSTALL PIPE, FITTINGS AND VALVES FOR SERVICES GREATER THAN 2 INCHES. SPU WILL PROVIDE ALL MATERIALS FOR SERVICES 2 INCHES AND SMALLER.

**BIORETENTION NOTES**

UNLESS OTHERWISE NOTED:

1. BIORETENTION CELLS MUST BE PER STANDARD PLAN 292 OR 293A AND SPECIFICATION 7-21 WITH GRADING AND BOTTOM AREA AS SHOWN ON THE APPROVED PLAN. SUBGRADE MUST BE SCARIFIED 4 INCHES MINIMUM PRIOR TO PLACEMENT OF BIORETENTION SOIL. IMPORTED BIORETENTION SOIL MUST BE PER SPECIFICATION 9-14.1(4).
2. BIORETENTION LANDSCAPING MUST BE AS SHOWN ON THE APPROVED PLAN. CHANGES TO THE APPROVED LANDSCAPING PLAN REQUIRE SUBMITTAL OF A REVISED LANDSCAPING PLAN.
3. BIORETENTION FACILITIES SPECIAL INSPECTOR(S) AS DESCRIBED IN GSI CONSTRUCTION INSPECTION REQUIREMENTS ARE IDENTIFIED AND ATTEND A PRECONSTRUCTION MEETING WITH THE CITY OF SEATTLE DEPARTMENT OF TRANSPORTATION.
4. PROTECT THE INFILTRATIVE CAPACITY OF THE SOIL PER SPECIFICATION 8-01.3(2)B TREE, VEGETATION AND SOIL PROTECTION PLAN.
5. PRIOR TO PLACING BIORETENTION SOILS, CELLS MUST BE INSPECTED AND APPROVED BY THE BIORETENTION FACILITIES SPECIAL INSPECTOR. ALL SOIL MIX TICKETS MUST BE SUBMITTED AT OR BEFORE THIS SCHEDULED INSPECTION.
6. PRIOR TO PLACING MULCH, CELLS MUST BE INSPECTED AND APPROVED BY THE BIORETENTION FACILITIES SPECIAL INSPECTOR. ARBORIST WOOD MULCH MUST BE PER SPECIFICATION 9-14.4(4).
7. FINISHED GRADE MUST BE ONE INCH BELOW WALKS AND CURBS.
8. AFTER PLANTING, CELLS MUST BE INSPECTED AND APPROVED BY THE BIORETENTION FACILITIES SPECIAL INSPECTOR.
9. SUB-SURFACE DRAIN (SSD) PIPE AND FITTINGS, IF REQUIRED, MUST BE PER STANDARD PLAN NO. 291. BEDDING MUST BE MINERAL AGGREGATE TYPE 26 PER STANDARD PLAN 293A.
10. PROTECT ALL BIORETENTION CELLS FROM ACCUMULATING SEDIMENTS AND COMPACTION. ANY IMPACTED BIORETENTION CELL MUST BE RESTORED TO FULLY FUNCTIONING CONDITION BY REMOVAL OF SEDIMENT LADEN SOILS, OVER EXCAVATION AS APPROVED BY BIORETENTION FACILITIES SPECIAL INSPECTOR AND REPLACEMENT WITH NEW BIORETENTION SOIL.
11. SUBMIT THE GREEN STORMWATER INFRASTRUCTURE (GSI) PROJECT INFORMATION FORM AND SIGNED AND STAMPED FINAL CLOSE OUT LETTERS DOCUMENTING COMPLETION OF THE SPECIAL INSPECTION TO THE SDOT STREET USE INSPECTOR.
12. WATER TO ENSURE VEGETATION SURVIVAL.

**MAINLINE CONVEYANCE AND DETENTION NOTES**

UNLESS OTHERWISE NOTED:

1. MAINLINE PIPE, CULVERT PIPE AND DETENTION PIPE MUST BE AS APPROVED BY SEATTLE PUBLIC UTILITIES (SPU) AND AS SHOWN ON THE PROFILE.
  - A. VCP MUST BE PER SPECIFICATION 9-05.5.
  - B. DIP MUST BE PER SPECIFICATION 9-05.3. FITTINGS MUST BE CEMENT MORTAR LINED DUCTILE IRON. JOINTS MUST BE RUBBER GASKET, PUSH-ON OR MECHANICAL.
  - C. RCP MUST BE PER SPECIFICATION 9-05.2.
  - D. POLYPROPYLENE PIPE PER SPECIFICATION 9-05.17. POLYPROPYLENE PIPE DETENTION, FOR PIPE DIAMETERS 30" AND GREATER MUST BE TRIPLE WALL (SMOOTH INTERIOR), CORRUGATED STRUCTURAL CORE, AND SMOOTH EXTERIOR) POLYPROPYLENE PIPE. ALL JOINTS MUST BE BELL AND SPIGOT AND CONFORM TO ASTM D3212.
2. BEDDING MUST BE CLASS B FOR ALL PIPE, EXCEPT DUCTILE IRON PIPE THAT IS LESS THAN 30-INCH ID, WHICH MAY BE CLASS D. SEE STANDARD PLAN NO. 285 AND SPECIFICATION 7-17.3(1). CONTROLLED DENSITY FILL (CDF) MUST NOT BE IN CONTACT WITH THE PIPE. BEDDING MATERIAL MUST BE:
  - A. MINERAL AGGREGATE TYPE 22 FOR VCP AND POLYPROPYLENE PIPE.
  - B. MINERAL AGGREGATE TYPE 9 FOR RCP.
  - C. SELECT NATIVE OR MINERAL AGGREGATE TYPE 9 OR MINERAL AGGREGATE TYPE 22 FOR DIP.
3. TEES ON NEW PIPE LESS THAN 24" IN DIAMETER MUST BE PREFABRICATED. ALL NEW CONNECTIONS TO EXISTING MAINLINES OR STRUCTURES, OR CONNECTIONS TO NEW MAINLINES WITHOUT PREFABRICATED TEES, MUST BE PER SPU CORE TAP PROCEDURES.
4. DETENTION PIPE AND FLOW CONTROL STRUCTURES MUST BE PER STANDARD PLAN NO. 270, 270A AND 272B.
5. ALL PIPELINES AND APPURTENANCES MUST BE CLEANED AND TESTED AFTER BACKFILLING PER SPECIFICATION 7-17.3(3). DEFLECTION TESTING OF FLEXIBLE PIPE MUST BE NO LESS THAN 30 DAYS AFTER BACKFILL AND PRIOR TO PAVING PER SPECIFICATION 7-17.3(3)F. TELEVISION INSPECTION OF MAINLINE MUST BE PER SPECIFICATION 7-17.3(3)G.
6. WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM MUST BE PLACED AS A CUSHION BETWEEN THE UTILITIES PER SPECIFICATION 1-07.17(2).
7. PIPE 12" DIAMETER AND LARGER TO BE ABANDONED MUST BE FILLED WITH A PUMPABLE, FLOWABLE CEMENT SLURRY. SEE SPECIFICATION 2-02.3(5).

**ABBREVIATIONS LEGEND**

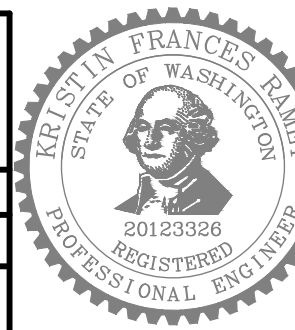
FOR ADDITIONAL LEGEND INFORMATION: SEE COS STD PLANS (002 SERIES) FOR STANDARD ABBREVIATIONS

TD	TIGHTLINE SOLID WALL STORM DRAIN (UNDERDRAIN PIPE)
SSD	SLOTTED STORM DRAIN (UNDERDRAIN PIPE) PER COS STD PLAN 293b
UNO	UNLESS OTHERWISE NOTED
R/W, ROW	RIGHT-OR-WAY
BRC	BIORETENTION CELL
EX	EXISTING
TOC	TOP OF CURB ELEVATION
BOC	BOTTOM OF CURB ELEVATION, GUTTER ELEVATIONS

**60% SIP SUBMITTAL**

NOTES (2 OF 2)

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES		DESIGNED	CHECKED	REVIEWED:	DES. CONST.
SEATTLE, WASHINGTON . . . . . 20 . . . . .		DRAWN	CHECKED	SDOT	SDOT PROJ. MGR.
BY: . . . . .		PURCHASING AND CONTRACTING		RECEIVED	REVISED AS BUILT
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ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: NONE

JOB	PC C600855
CO	CO
VPI #	792-752
<b>G-003</b>	
SHEET	3 OF 36

HOLDEN NDS

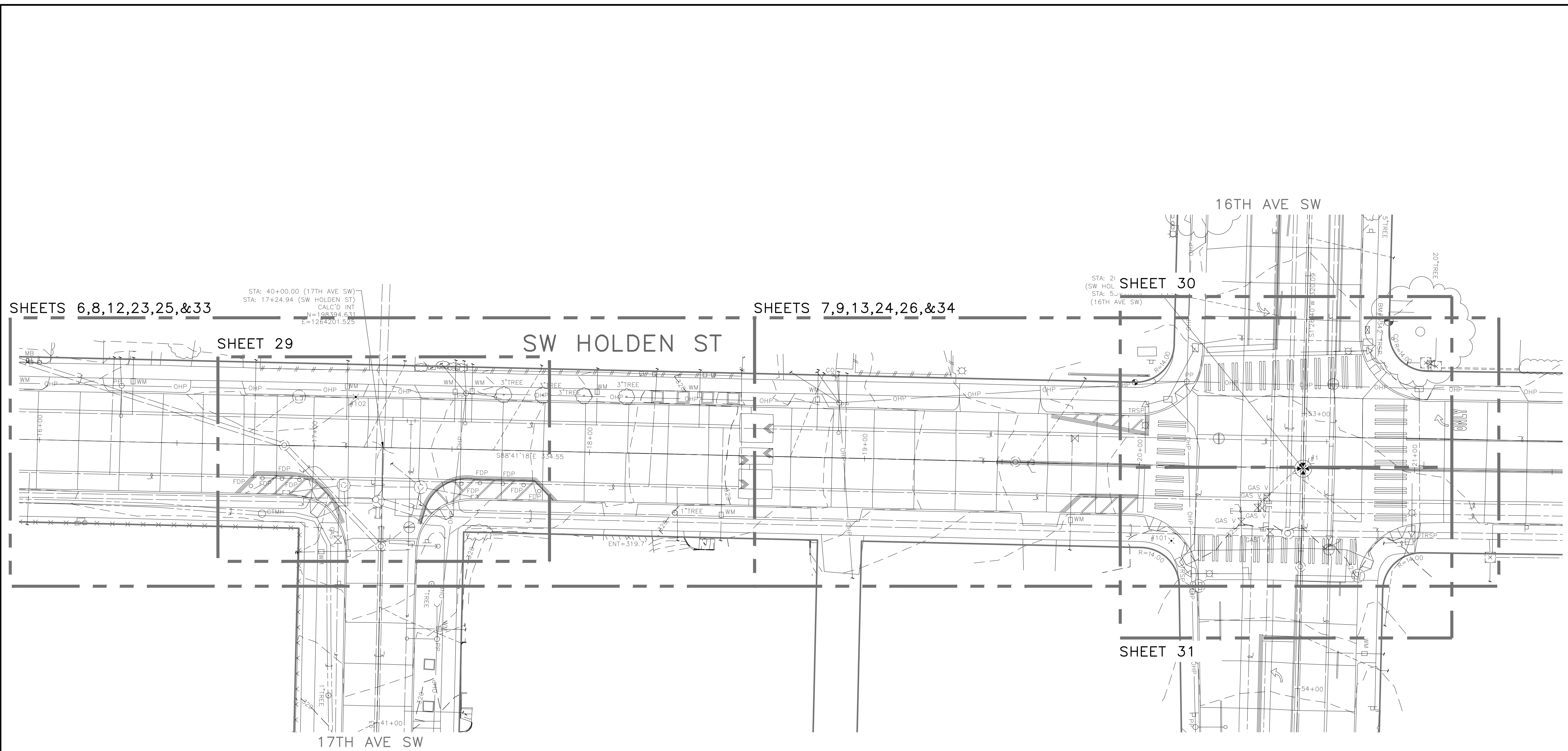
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VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
	39274							

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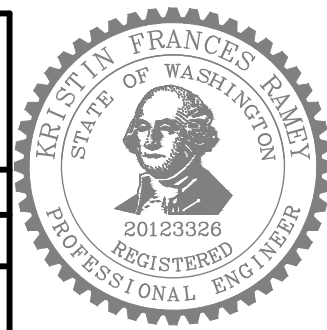
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39274						



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**EXISTING CONDITIONS KEYMAP**

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
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SEATTLE, WASHINGTON . . . . . 20 . . . . .		CHECKED	SDOT	SDOT	PROJ. MGR.
BY: . . . . .		DRAWN	RECEIVED		
PURCHASING AND CONTRACTING		CHECKED	REVISED AS BUILT		
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**Seattle Public Utilities**

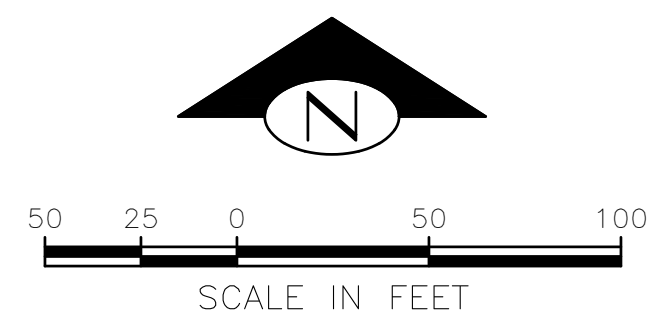
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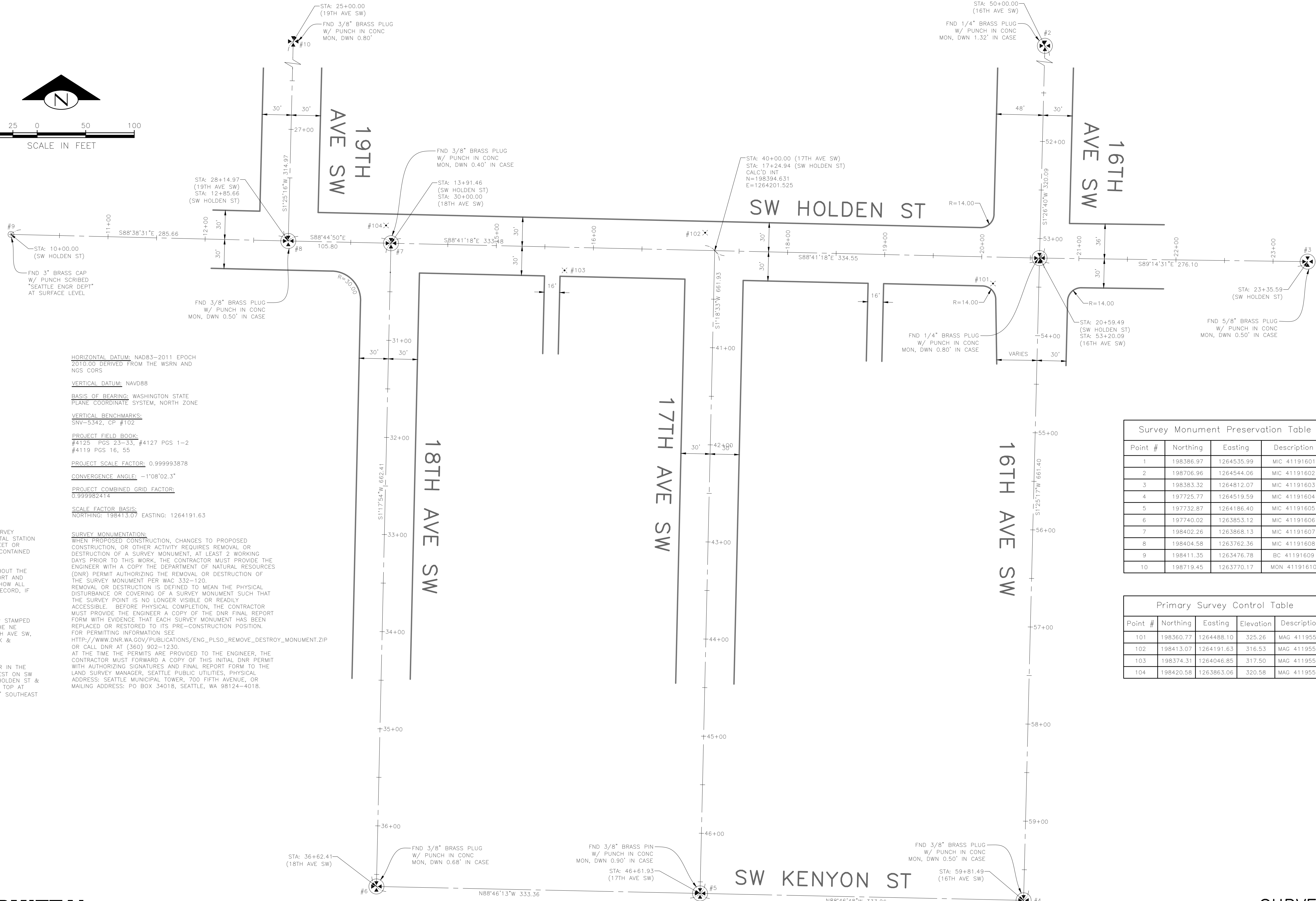
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CO		CO	
VPI #		792-752	
SHEET		<b>G-004</b>	
		4 OF 36	

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SCALE IN FEET



PROJECT NUMBER: CE00855 PLAN\_EVAL  
 PROJECT NAME: HOLDEN NDS  
 SURVEY PROJECT FOLDER NUMBER: 261-1597  
 REFERENCE DOCUMENTS: 265-xx  
 DATE: 05/05/2022  
 PRJ. SURVEYOR: M. KIMBOROWICZ  
 PRIMARY CREW: D. WILLIAMS, B. REYES  
 OFFICE TECH: G. HARRIS  
 R/W CREATED BY: M. KIMBOROWICZ  
 GEOREGISTRATION NOTES:  
 SW 1/4 OF SEC 30, T24N, R4E  
 SE 1/4 OF SEC 25, T24N, R3E

HORIZONTAL DATUM: NAD83-2011 EPOCH  
 2010.00 DERIVED FROM THE WSRN AND  
 NGS CORS  
 VERTICAL DATUM: NAVD88  
 BASIS OF BEARING: WASHINGTON STATE  
 PLANE COORDINATE SYSTEM, NORTH ZONE  
 VERTICAL BENCHMARKS:  
 SNV-5342, CP #102  
 PROJECT FIELD BOOK:  
 #4125 PGS 23-33, #4127 PGS 1-2  
 #4119 PGS 16, 55  
 PROJECT SCALE FACTOR: 0.999993878  
 CONVERGENCE ANGLE: -1'08"02.3"  
 PROJECT COMBINED GRID FACTOR:  
 0.999982414  
 SCALE FACTOR BASIS:  
 NORTHING: 198413.07 EASTING: 1264191.63

NOTES:  
 FIELD MEASUREMENTS FOR THIS SURVEY PERFORMED WITH A 3" TRIMBLE TOTAL STATION USING TRAVERSE METHODS THAT MEET OR EXCEED ACCURACY REQUIREMENTS CONTAINED IN WAC 332.130.090.  
 THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT CLAIM TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IF ANY.  
 BENCHMARKS:  
 SNV-5342: FND 2" DIA BRASS CAP STAMPED "CITY OF SEATTLE 5342" SET AT THE NE CORNER OF SW HOLDEN ST & 16TH AVE SW, 0.3' WEST OF BACK OF CONC WALK & ADJACENT TO FIRE STATION.  
 ELEV=324.06'  
 CP# 102: SET MAG NAIL & WASHER IN THE NORTHERN CURB RUNNING EAST/WEST ON SW HOLDEN ST, INTERSECTION AT SW HOLDEN ST & 17TH AVE SW, 2.6' WEST OF CURB TOP AT DRIVEWAY FOR HOUSE #1628, 4.75' SOUTHEAST OF WATER METER BOX.  
 ELEV=316.53'

Survey Monument Preservation Table			
Point #	Northing	Eastng	Description
1	198386.97	1264535.99	MIC 41191601
2	198706.98	1264544.06	MIC 41191602
3	198383.32	1264812.07	MIC 41191603
4	197725.77	1264519.59	MIC 41191604
5	197732.87	1264186.40	MIC 41191605
6	197740.02	1263853.12	MIC 41191606
7	198402.26	1263866.13	MIC 41191607
8	198404.58	1263762.36	MIC 41191608
9	198411.35	1263476.78	BC 41191609
10	198719.45	1263770.17	MON 41191610

Primary Survey Control Table				
Point #	Northing	Eastng	Elevation	Description
101	198360.77	1264488.10	325.26	MAG 41195501
102	198413.07	1264191.63	316.53	MAG 41195502
103	198374.31	1264046.85	317.50	MAG 41195503
104	198420.58	1263863.06	320.58	MAG 41195504

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SURVEY CONTROL

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . . . BY: . . . . . PURCHASING AND CONTRACTING	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT	
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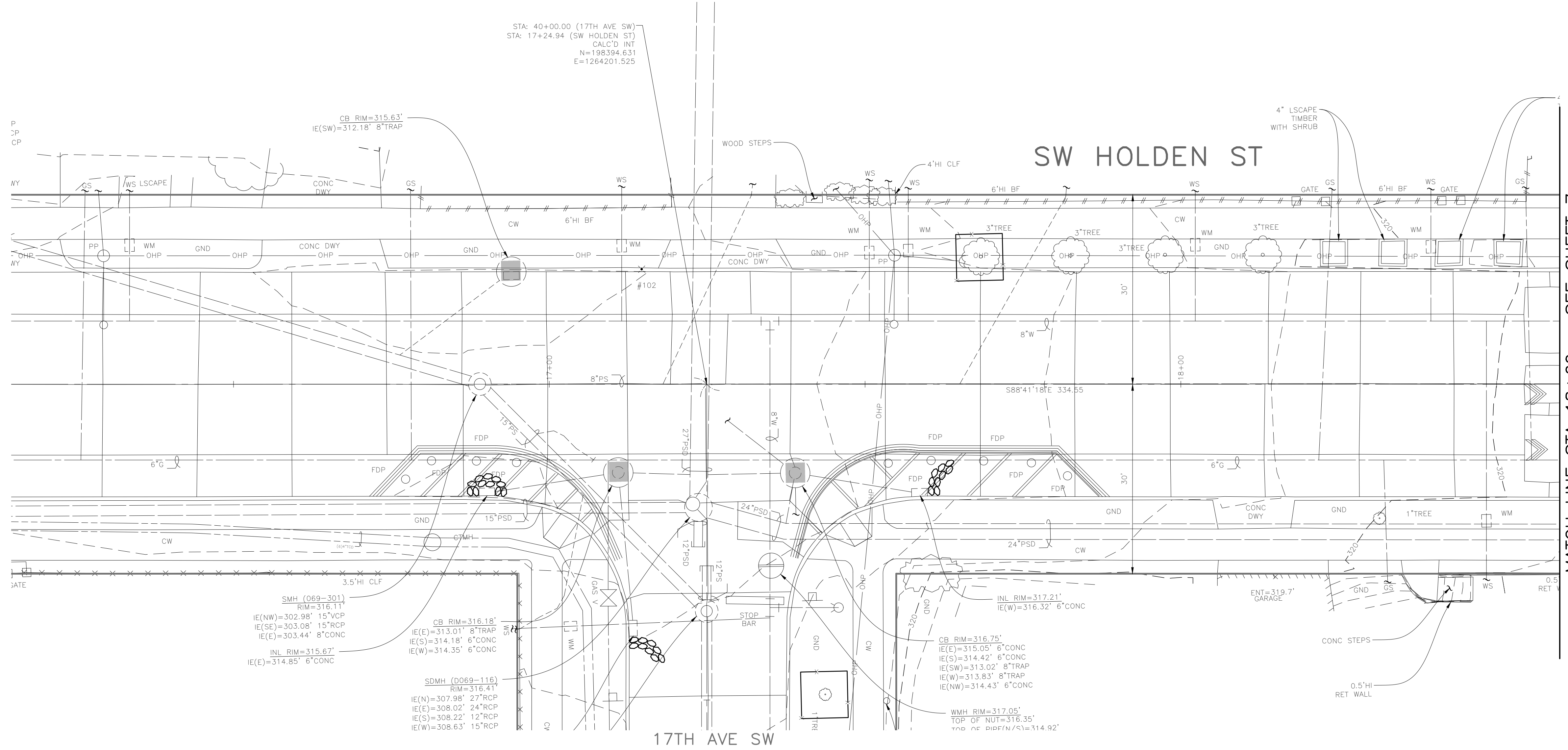
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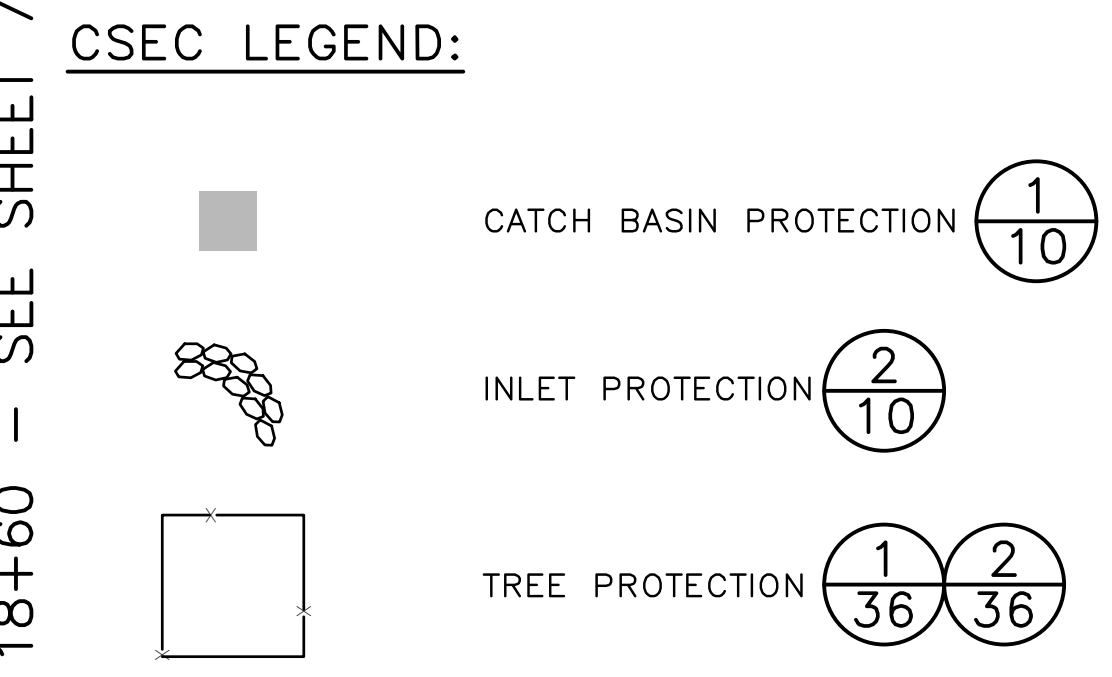
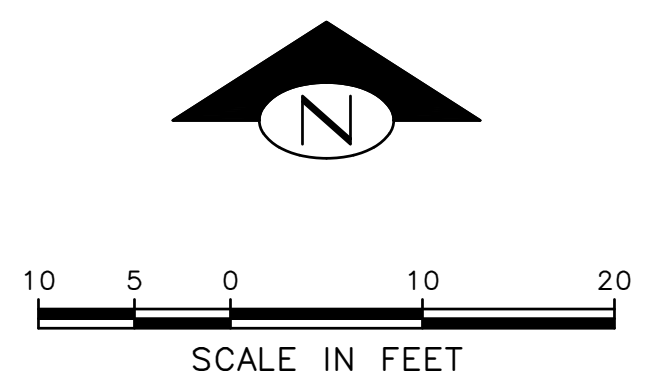
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39274							



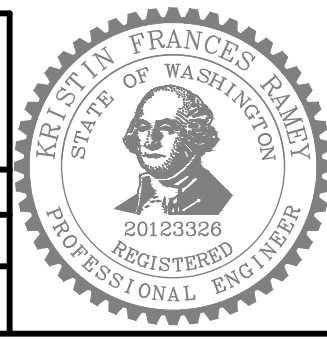
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 STA: 17+24.94 (SW HOLDEN ST)  
 CALC'D INT  
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 E=1264201.525



**60% SIP SUBMITTAL**

**CESC PLAN - SW HOLDEN ST (1 OF 2)**

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES		DESIGNED	REVIEWED:	DES.	CONST.
SEATTLE, WASHINGTON . . . . . 20 . . . . .		CHECKED	SDOT	PROJ. MGR.	
BY: . . . . .		DRAWN	RECEIVED		
PURCHASING AND CONTRACTING		CHECKED	REVISED AS BUILT		
ALL WORK SHALL BE 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**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: 1"=10'

HOLDEN NDS		JOB #	PC C600855
		VPI #	792-752
		<b>CD101</b>	
		SHEET	6 OF 36

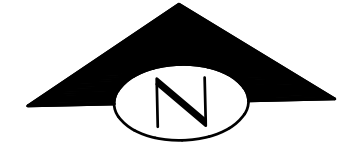
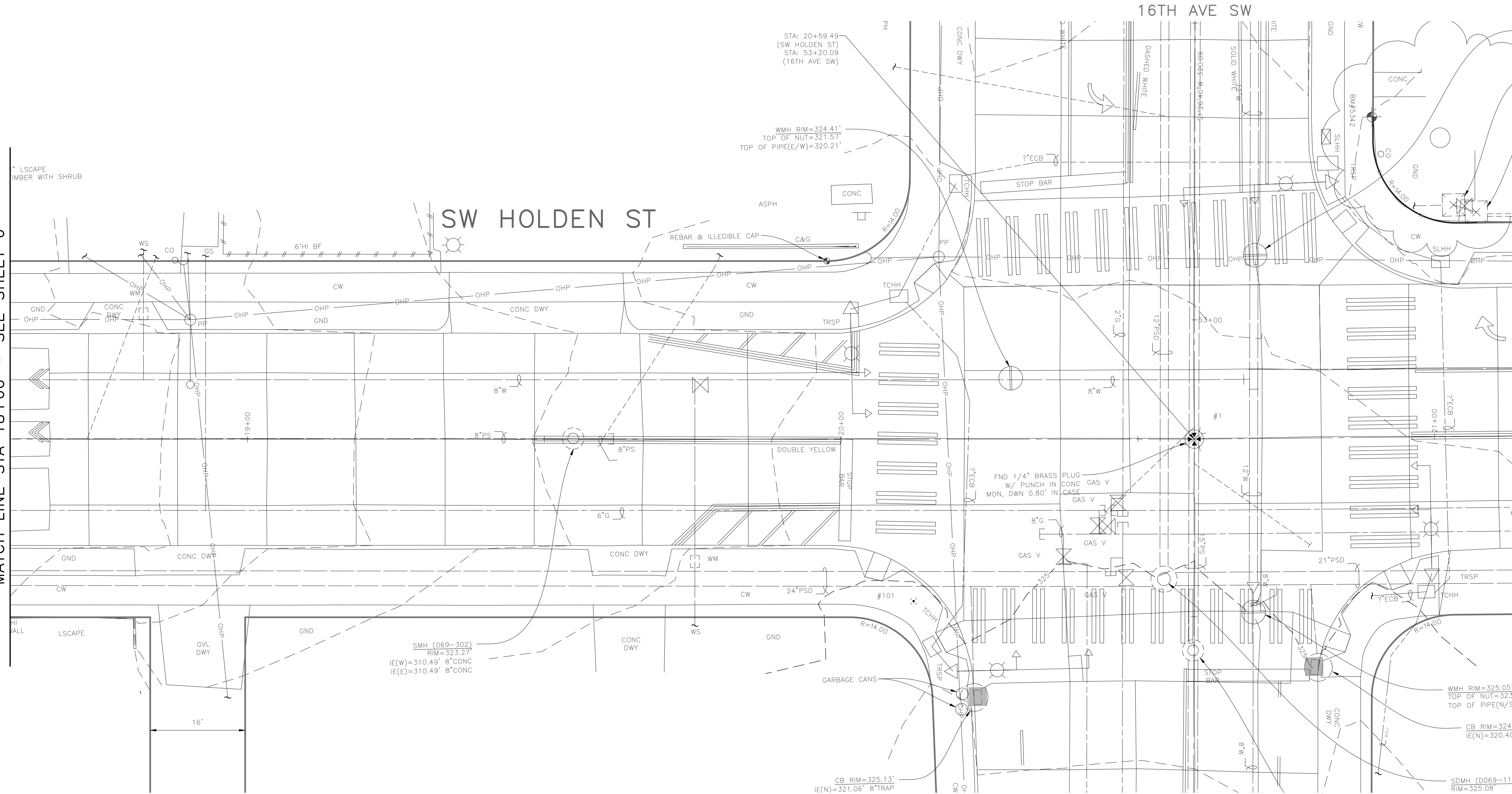
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VAULT SERIAL #	DATE	MARK	NATURE	MADE CHKD REV'D
39274				

MATCH LINE STA 18+60 - SEE SHEET 6



**CSEC LEGEND:**

- CATCH BASIN PROTECTION 1  
10
- INLET PROTECTION 2  
10
- TREE PROTECTION 1  
36 2  
36

**60% SIP SUBMITTAL**

**CESC PLAN - SW HOLDEN ST (2 OF 2)**

<b>APPROVED FOR ADVERTISING</b> DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON ..... 20 ..... BY: ..... PURCHASING AND CONTRACTING	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT
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**Seattle Public Utilities**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

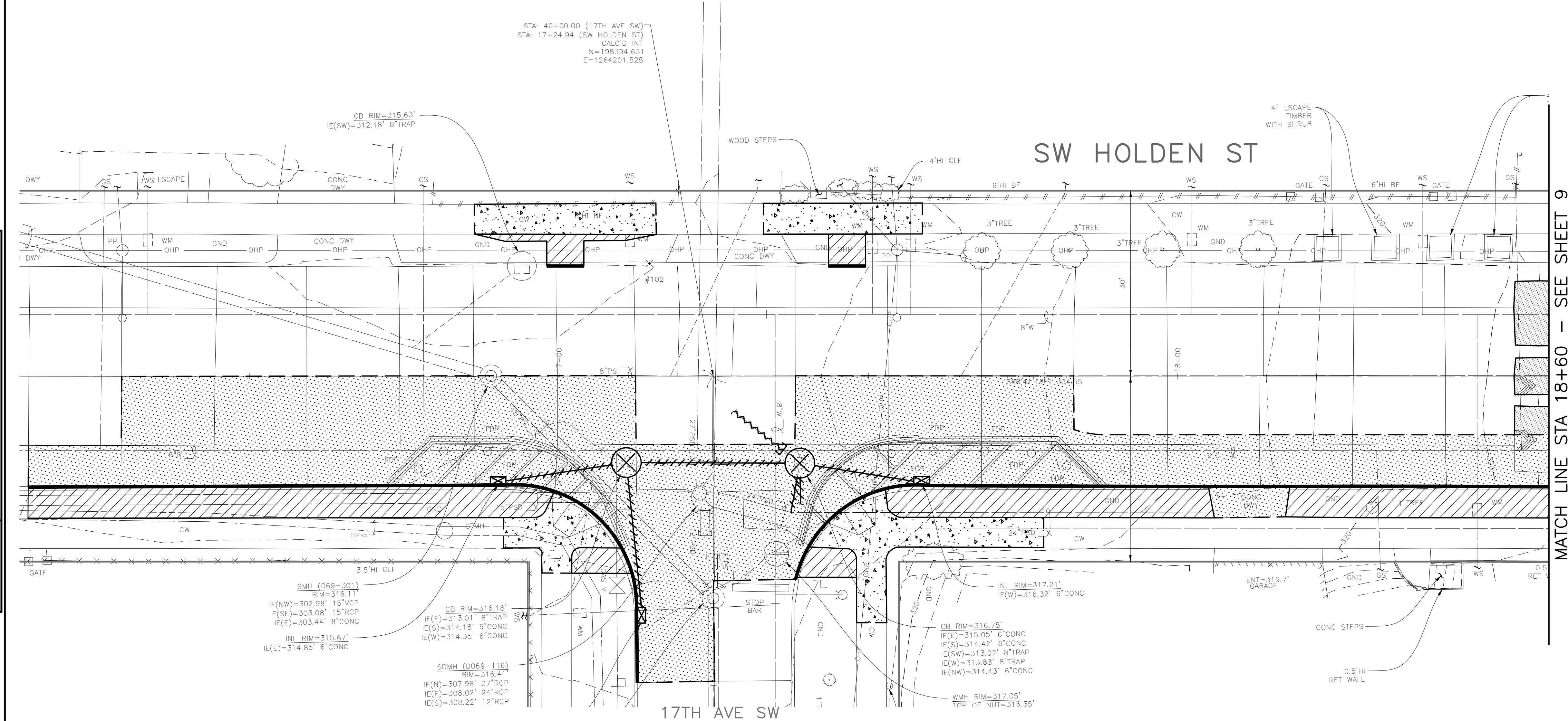
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<b>HOLDEN NDS</b>	JOB # C600855 CO # 792-752 <b>CD102</b> SHEET 7 OF 36
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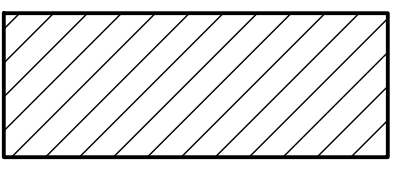
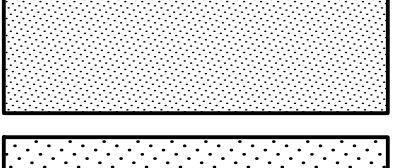
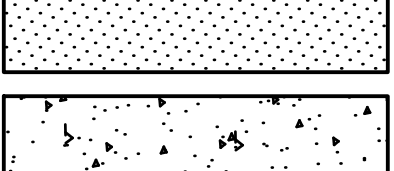
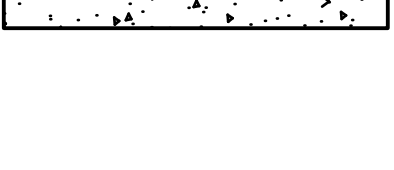
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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE CHKD REV'D
39274					





**REMOVAL AND DEMOLITION LEGEND:**

-  REMOVE CATCH BASIN
-  REMOVE INLET
-  PLUG AND ABANDON UTILITY
-  REMOVE UTILITY
-  SAW CUT PAVEMENT FULL DEPTH
-  REMOVE CURB
-  CLEARING AND GRUBBING
-  REMOVE ASPH PAVEMENT
-  REMOVE CONC PAVEMENT
-  REMOVE CEMENT CONC SIDEWALK

**60% SIP SUBMITTAL**

DEMOLITION PLAN – SW HOLDEN ST (1 OF 2)

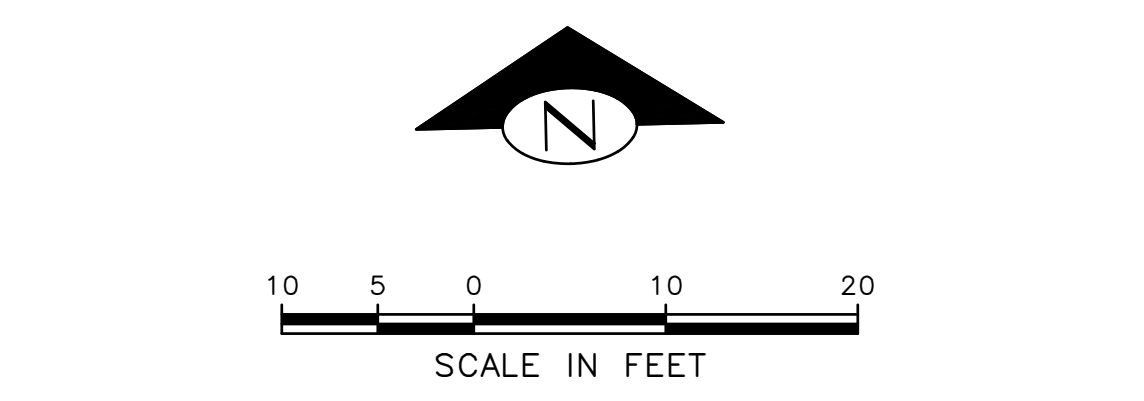
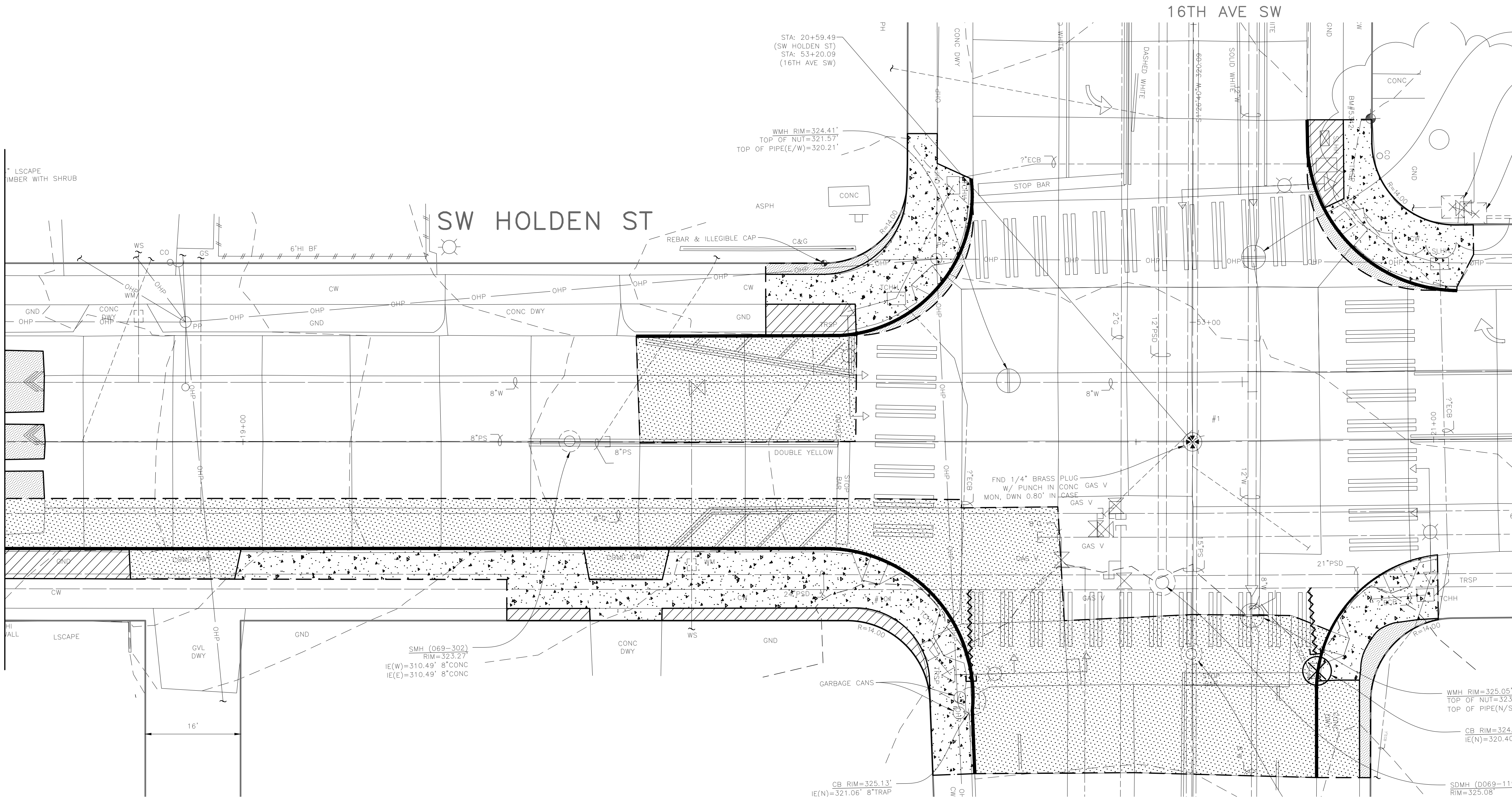
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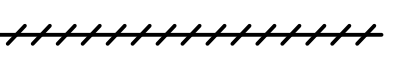
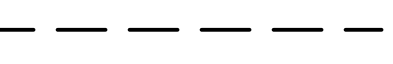

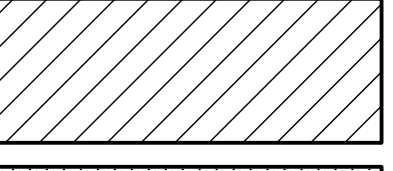
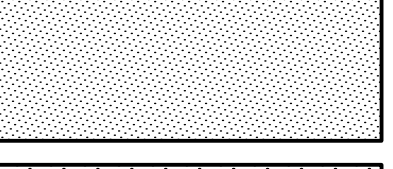
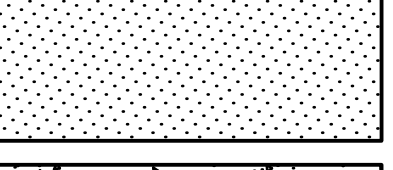



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MATCH LINE STA 18+60 - SEE SHEET 8



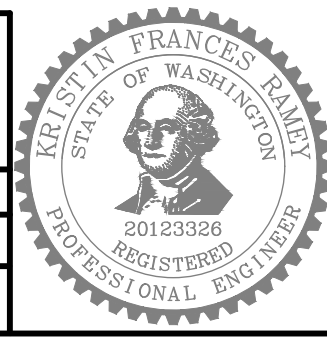
**REMOVAL AND DEMOLITION LEGEND:**

-  REMOVE CATCH BASIN
-  REMOVE INLET
-  PLUG AND ABANDON UTILITY
-  REMOVE UTILITY
-  SAW CUT PAVEMENT FULL DEPTH
-  REMOVE CURB
-  CLEARING AND GRUBBING
-  REMOVE ASPH PAVEMENT
-  REMOVE CONC PAVEMENT
-  REMOVE CEMENT CONC SIDEWALK

**60% SIP SUBMITTAL**

DEMOLITION PLAN - SW HOLDEN ST (2 OF 2)

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BY: . . . . .		DRAWN	RECEIVED		
PURCHASING AND CONTRACTING		CHECKED	REVISED AS BUILT		
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**Seattle Public Utilities**

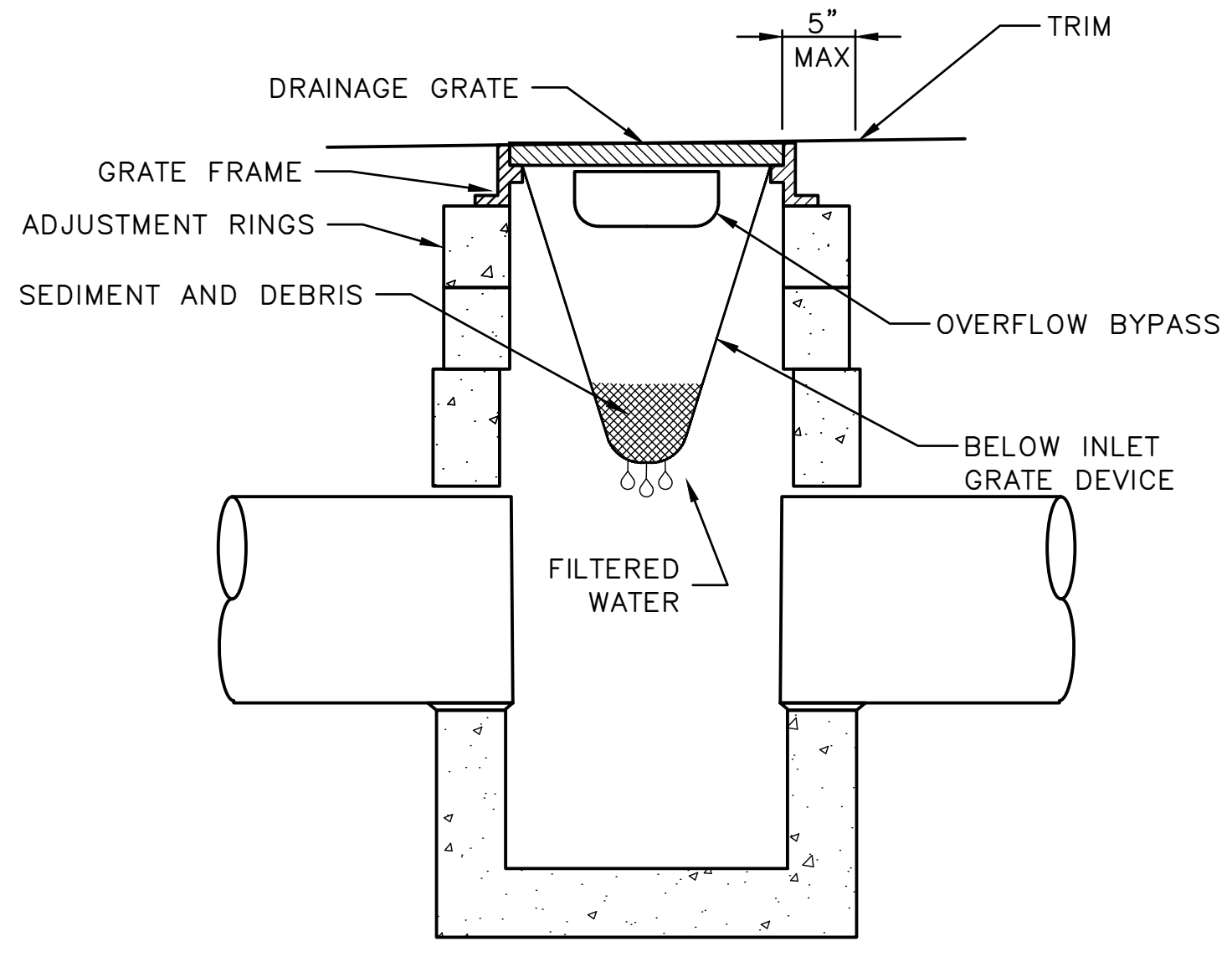
ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

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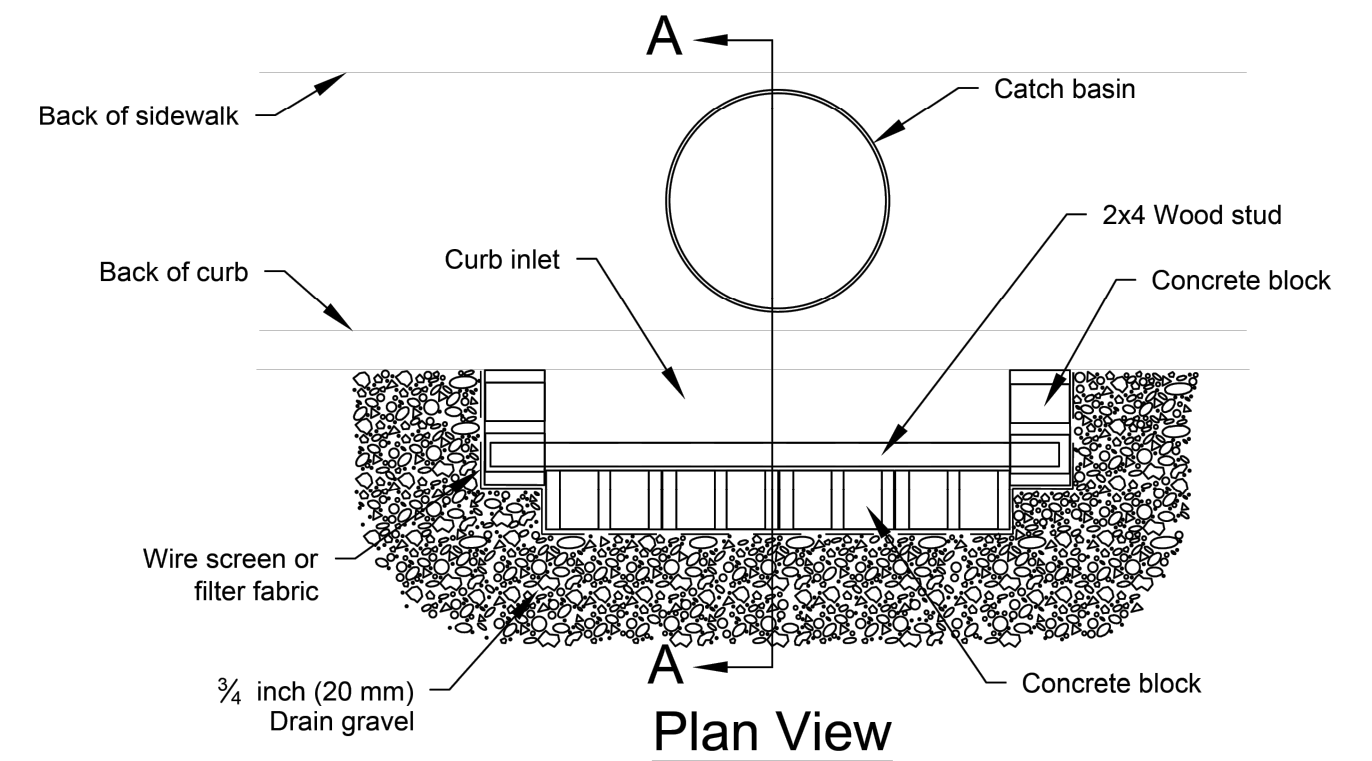
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		CO	
		VPI #	792-752
		<b>CD104</b>	
		SHEET	9 OF 36

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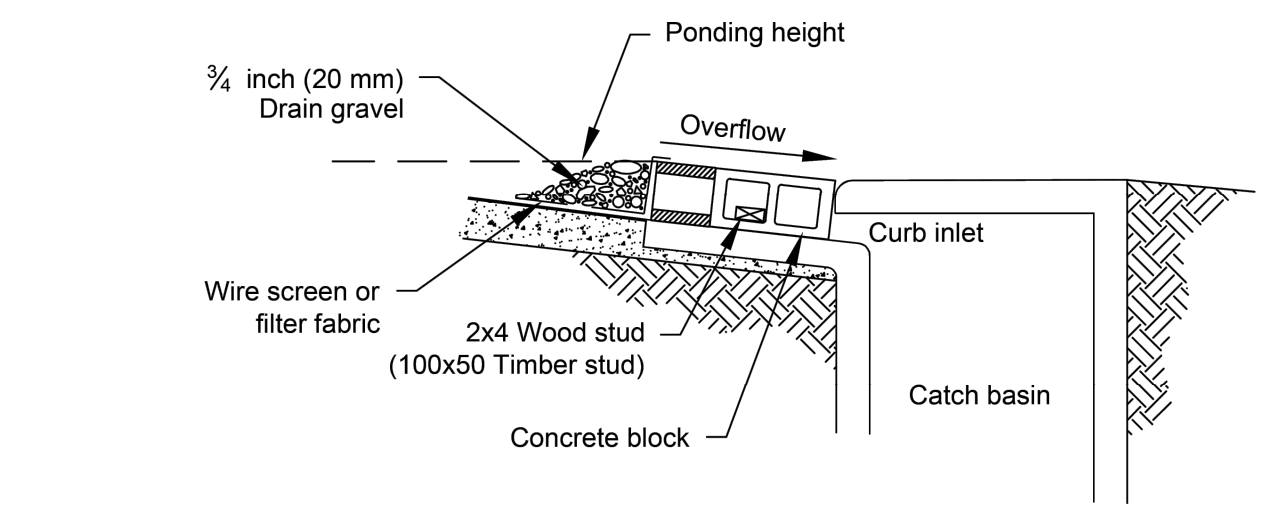
39274



CATCH BASIN PROTECTION 1  
NTS 6&7



Plan View



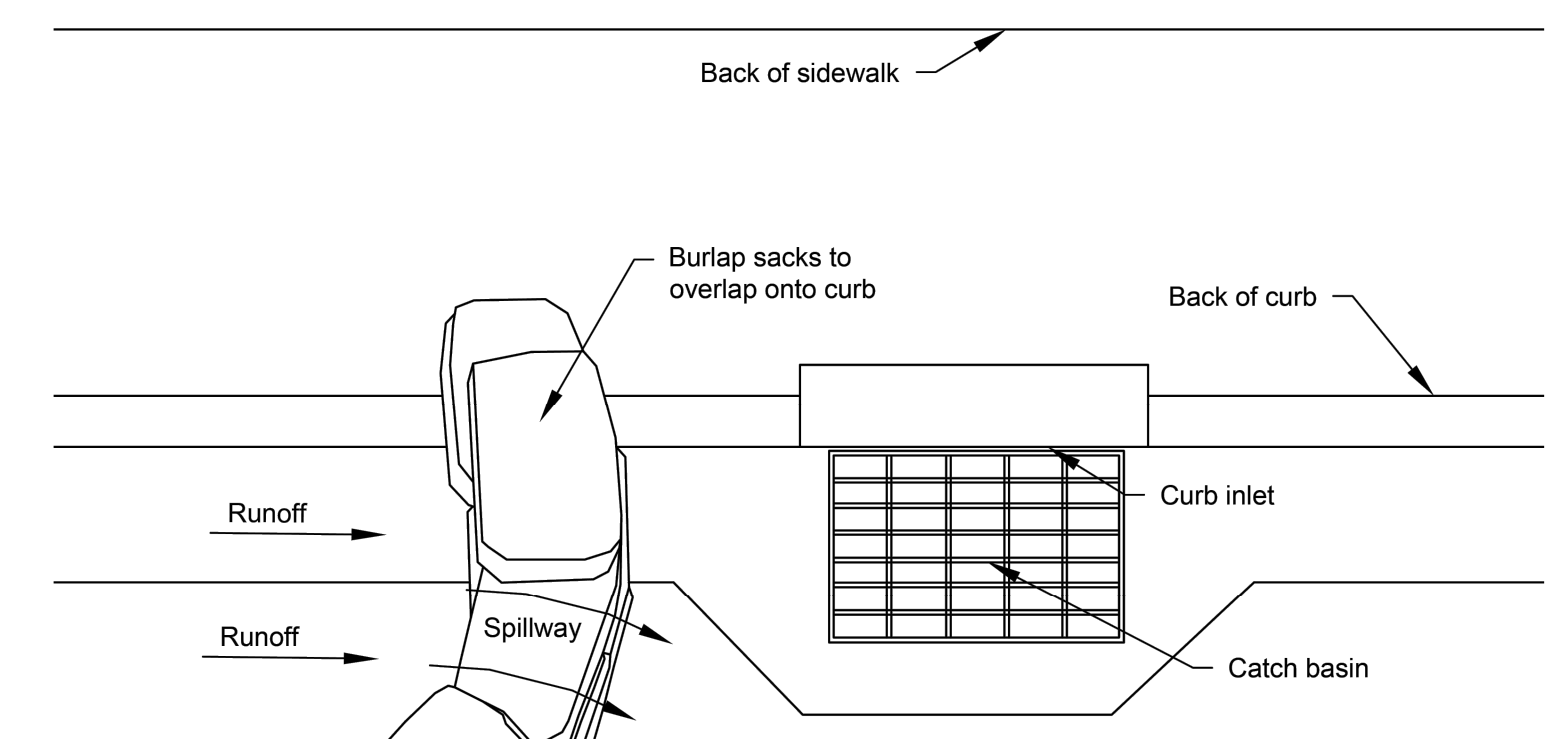
Section A-A

Notes:  
 1. Use block and gravel type sediment barrier when curb inlet is located in gently sloping street segment, where water can pond and allow sediment to separate from runoff.  
 2. Barrier shall allow for overflow from severe storm event.  
 3. Inspect barriers and remove sediment after each storm event. Sediment and gravel must be removed from the traveled way immediately.

NOT TO SCALE

Block and Gravel Curb Inlet Protection

INLET PROTECTION 2  
NTS 6&7

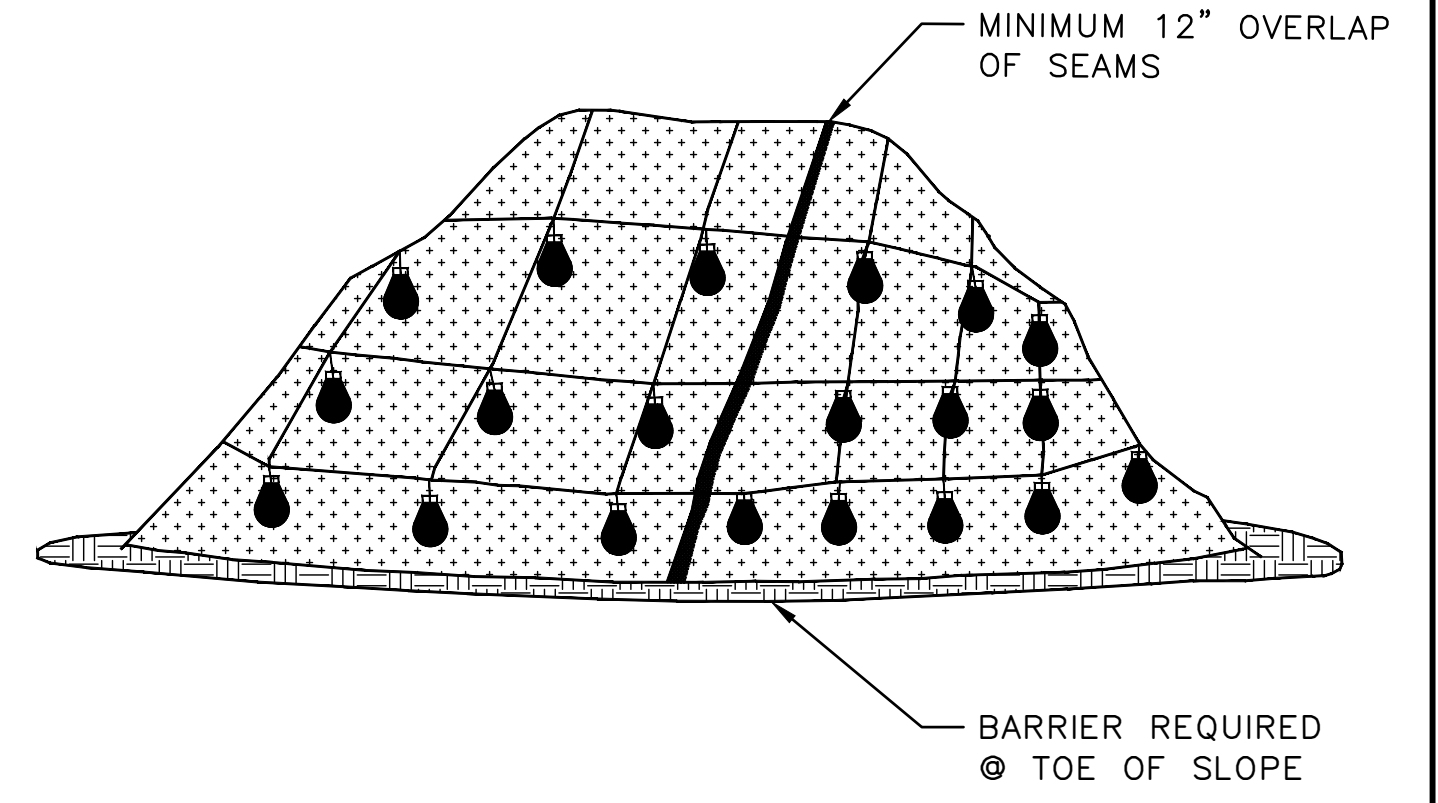


Plan View

Notes:  
 1. Place curb type sediment barriers on gently sloping street segments, where water can pond and allow sediment to separate from runoff.  
 2. Sandbags of either burlap or woven 'geotextile' fabric, are filled with gravel, layered and packed tightly.  
 3. Leave a one sandbag gap in the top row to provide a spillway for overflow.  
 4. Inspect barriers and remove sediment after each storm event. Sediment and gravel must be removed from the traveled way immediately.

NOT TO SCALE

Curb and Gutter Barrier





NOTES:  
 1. MINIMUM 12" OVERLAP OF ALL SEAMS REQUIRED.  
 2. BARRIER REQUIRED @ TOE OF STOCK PILE.  
 3. COVERING MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 1' GRID SPACING IN ALL DIRECTIONS.

SHEETING FOR STOCKPILES 3  
NTS -

60% SIP SUBMITTAL

CESC DETAILS

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON ..... 20 ..... BY: ..... PURCHASING AND CONTRACTING	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		 ORDINANCE NO. _____ PW NO. _____ SCALE: AS NOTED	HOLDEN NDS JOB # C600855 CO VPI # 792-752 CD201 SHEET 10 OF 36
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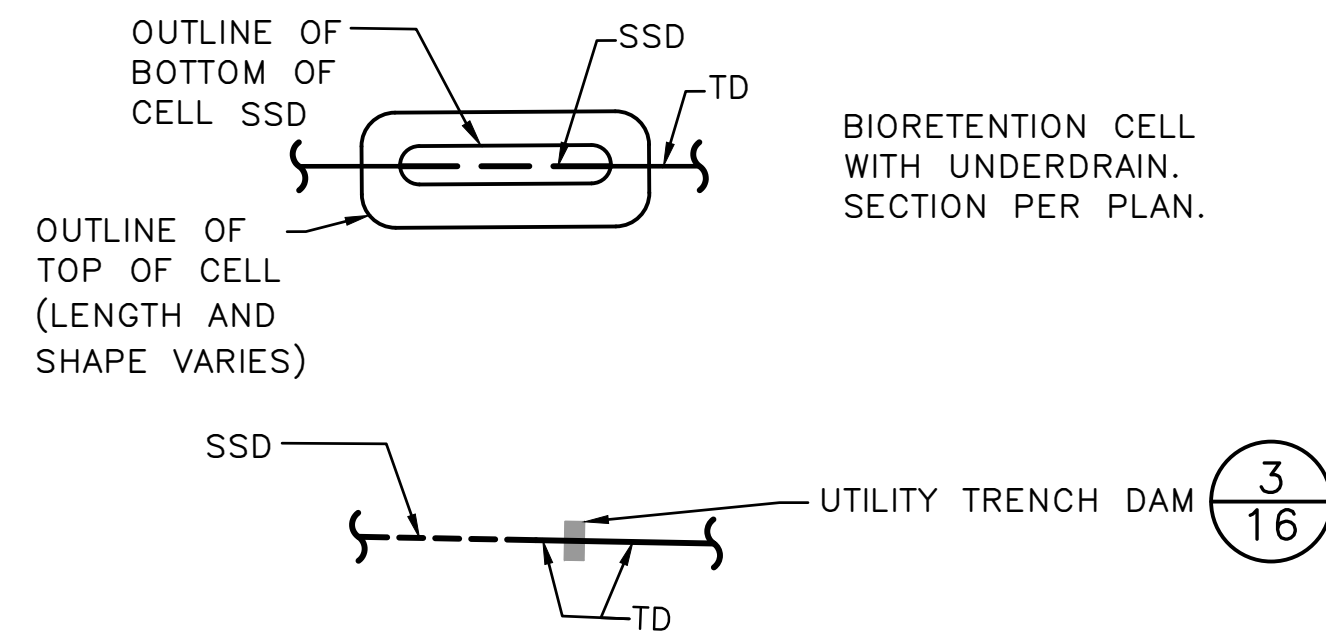
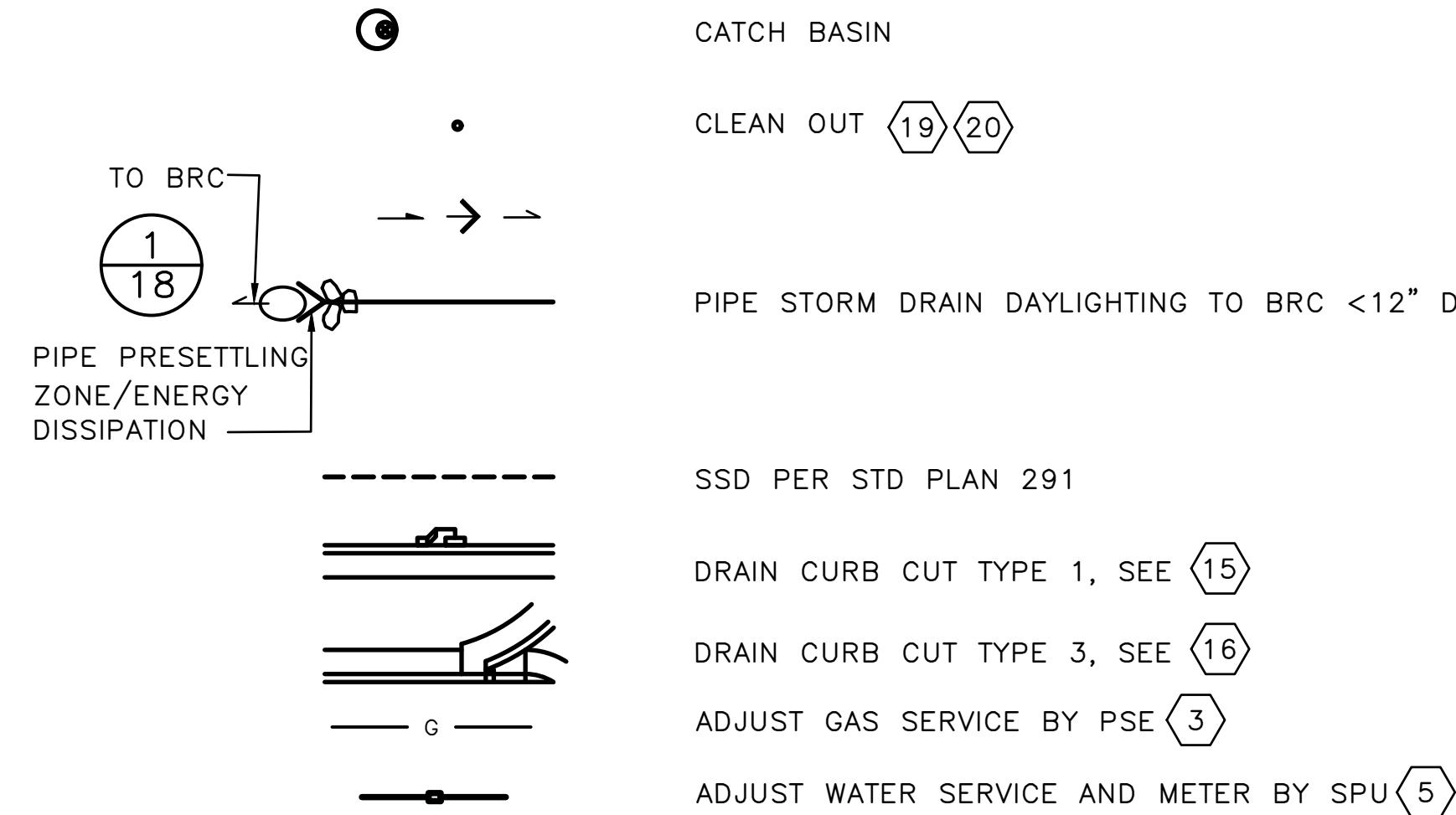
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# PROPOSED LEGEND FOR DRAINAGE AND UTILITY SHEETS

## NOTE:

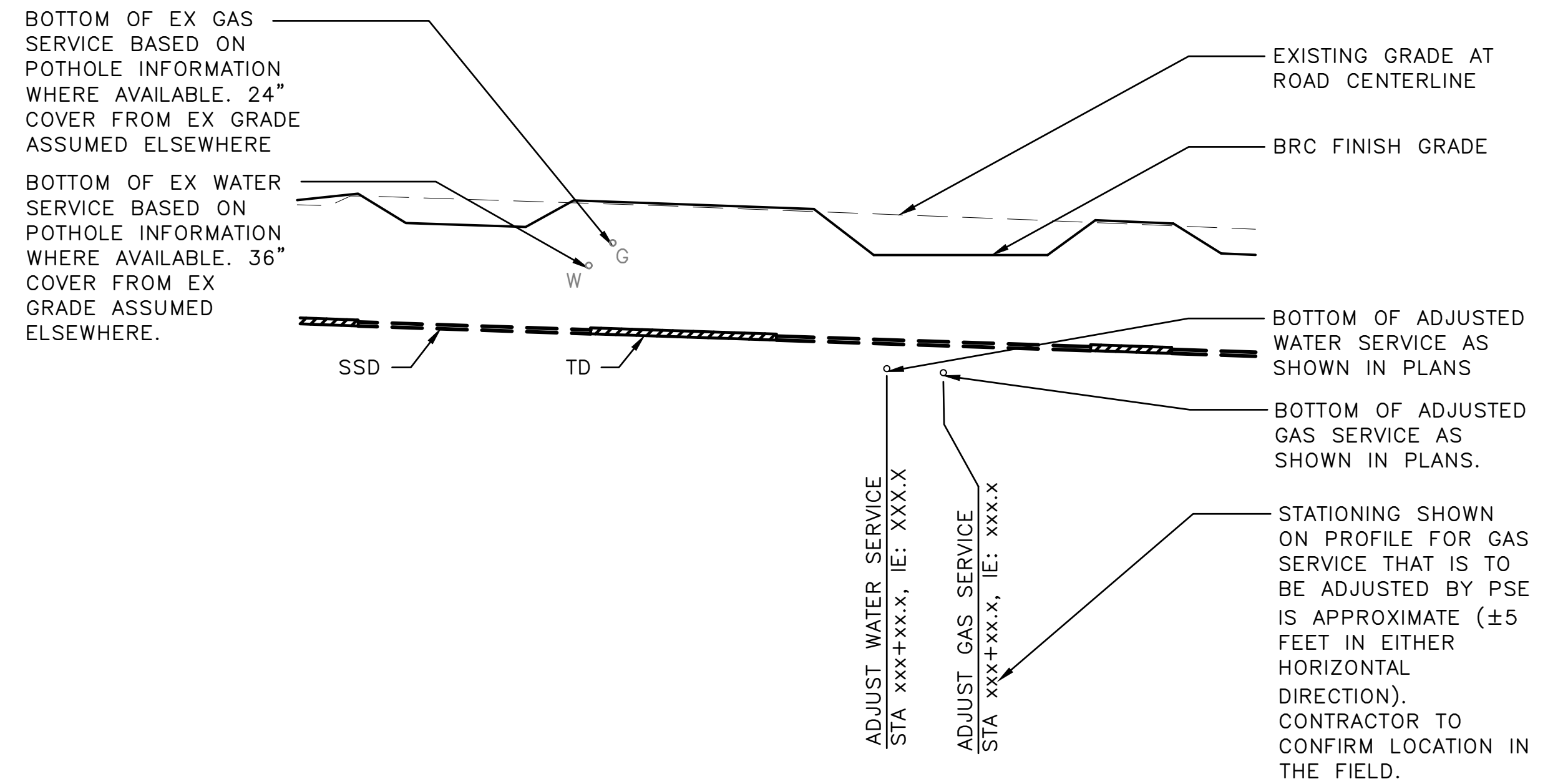
- FOR ADDITIONAL LEGEND INFORMATION, SEE COS STD PLANS (003 SERIES) FOR EXISTING AND PROPOSED STANDARD SYMBOLS AND LEGEND



# UTILITY SERVICE PROFILE REFERENCE

## NOTE:

- EXISTING AND ADJUSTED WATER AND GAS SERVICE SYMBOLS SHOWN ON PROFILE ARE SHOWN LARGER THAN ACTUAL SIZE FOR VISIBILITY. SEE SURVEY FOR ACTUAL SIZE.



# CONSTRUCTION NOTES FOR DRAINAGE AND UTILITY SHEETS

- CONNECT NEW PIPE TO EXISTING CB, MH OR CB CONNECTION PIPE. SEE SECTIONS 7-05.3. PROTECT IN PLACE EX CB OR MH. THE CONDITION OF THE EXISTING CB MUST BE VERIFIED FOR APPROVAL PRIOR TO INSTALLATION.
- CUT-IN TEE. CONNECT TO EX PIPE OR STRUCTURE. TEES MUST BE OFFSET FROM ONE ANOTHER 3-FT MINIMUM. SEE PROFILE FOR INVERT ELEV, SEE SECTION 7-17.3.
- CONTRACTOR MUST COORDINATE REROUTE AND RECONNECTION OF GAS SERVICE WITH PUGET SOUND ENERGY (PSE).
- PROTECT EXISTING UTILITY. PRIOR TO START OF STORM DRAIN INSTALLATION, CONTRACTOR TO POTHOLE UTILITY TO VERIFY NO CONFLICT BETWEEN UTILITY AND STORM DRAIN.
- ASSIST SPU WATER OPERATIONS - WATER SERVICE. SERVICE AND METER TO BE RELOCATED BY SPU WITH CONTRACTOR SUPPORT. CONTRACTOR SUPPORT TO INCLUDE ALL NECESSARY EXCAVATIONS, PROTECTIVE MEASURES, BACKFILL, SURVEY CONTROL AND TRAFFIC CONTROL.
- INSTALL PIPE, INLET CONN, DI, CL 50, 8".
- INSTALL PIPE, CB CONN, DI, CL 50, 8".
- INSTALL PIPE, PSD, DI, CL 50, 8".
- INSTALL PIPE, SSD, 6".
- INSTALL PIPE, TIGHTLINED SSD, 6".
- TYPE A BIORETENTION WEIR (1/16)
- TYPE B BIORETENTION WEIR (1/17)
- PIPE END CAP
- INSTALL PIPE, CULVERT, DI, CL 50, 8".
- DRAIN CURB CUT TYPE 1 WITH DIMENSIONS PER STD PLAN 295B.
- DRAIN CURB CUT TYPE 3 WITH DIMENSIONS PER STD. PLAN 295B.
- JB TO UTILIZE BEEHIVE GRATE PER STANDARD PLAN 269.
- ADJUST EXISTING MH, CB, OR VC
- BIORETENTION UNDERDRAIN CLEAN-OUT PER STD PLAN 281.
- CLEAN OUT PER STD PLAN 280.

# ABBREVIATIONS LEGEND

## NOTE:

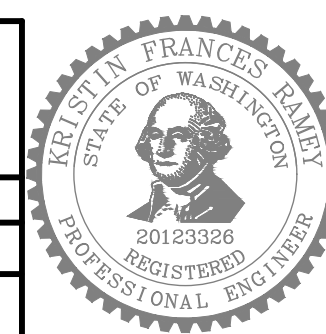
- FOR ADDITIONAL ABBREVIATIONS, SEE COS STD PLANS (002 SERIES)

- HPBS HIGH PERFORMANCE BIORETENTION SOIL  
 CRZ CRITICAL ROOT ZONE OF TREE AS DETERMINED BY ARBORIST WHICH MAY DIFFER FROM ZONE B DEFINED IN STD PLAN 133.  
 MOD MODIFIED  
 SSD SUBSURFACE DRAIN/UNDERDRAIN PIPE  
 TD TIGHTLINED SSD/UNDERDRAIN PIPE  
 TOC TOP OF CURB  
 TOG TOP OF GRADE  
 UNO UNLESS NOTED OTHERWISE

60% SIP SUBMITTAL

GRADING AND STORM DRAIN LEGEND AND NOTES

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES		DESIGNED	CHECKED	REVIEWED:	DES. CONST.
SEATTLE, WASHINGTON . . . . . 20 . . . . .		DRAWN	CHECKED	RECEIVED	SDOT PROJ. MGR.
BY: . . . . .		ALL WORK SHALL BE 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	
PURCHASING AND CONTRACTING					



ORDINANCE NO. . . . . PW NO. . . . .  
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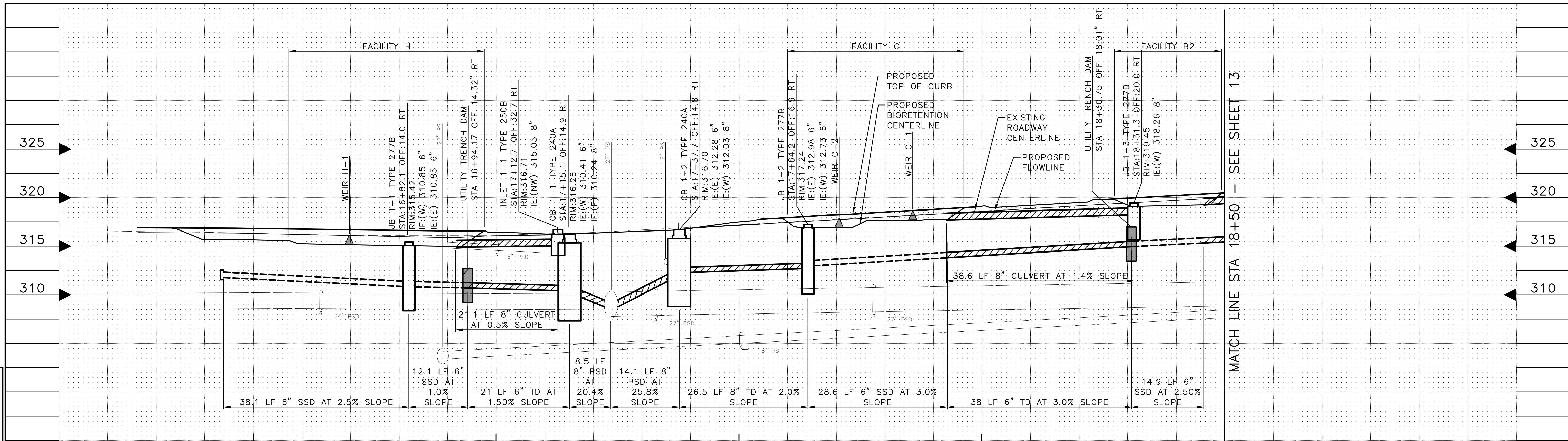
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		CO	CO
		VPI #	792-752
		CU001	
		SHEET	11 OF 36

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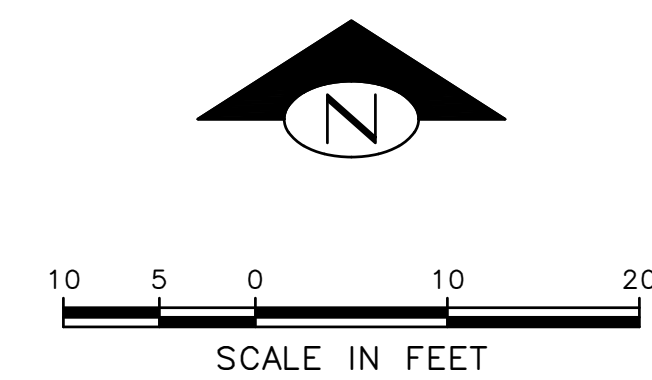
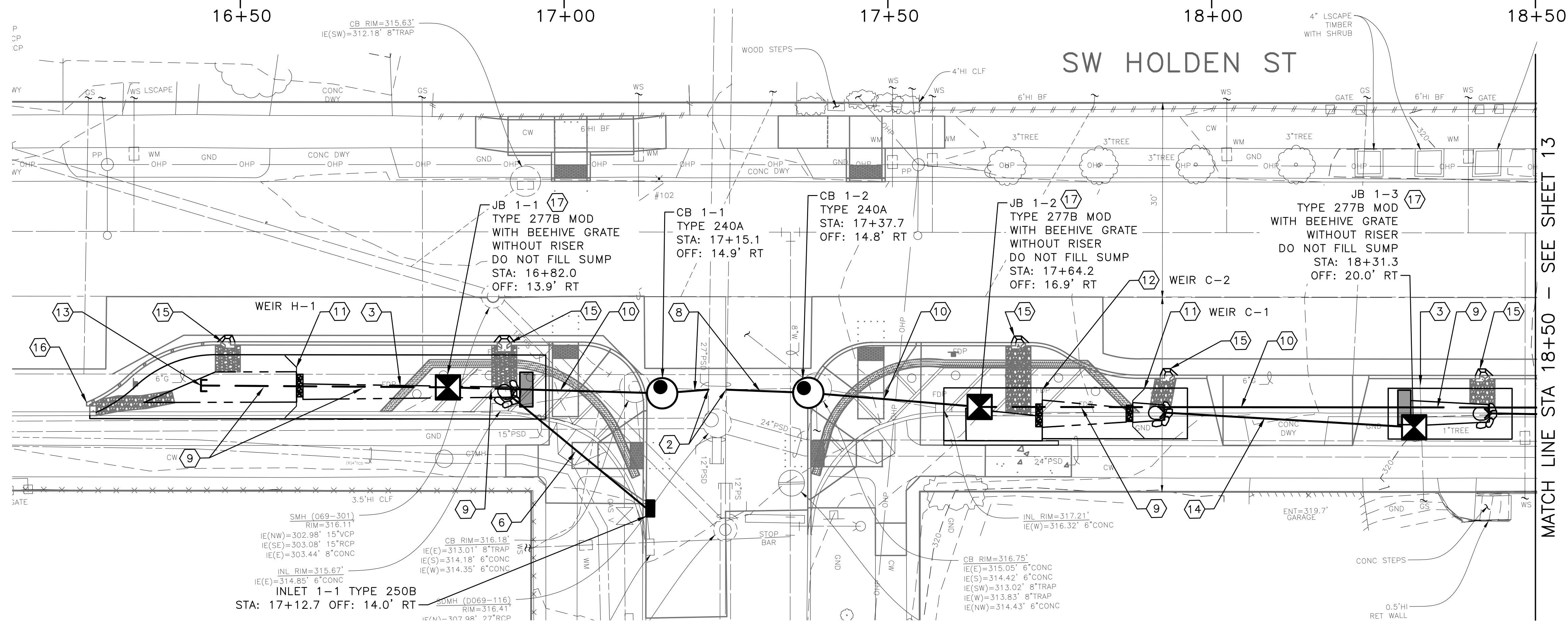
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39274					



MATCH LINE STA 18+50 - SEE SHEET 13



MATCH LINE STA 18+50 - SEE SHEET 13

**60% SIP SUBMITTAL** 17TH AVE SW GRADING AND STORM DRAIN PLAN & PROFILE - SW HOLDEN ST (1 OF 2)

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . . .	INITIALS AND DATE DESIGNED CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR.
BY: . . . . . PURCHASING AND CONTRACTING	DRAWN CHECKED	RECEIVED REVISED AS BUILT



**Seattle Public Utilities**  
 ORDINANCE NO. . . . . PW NO. . . . .  
 SCALE: H. 1"=10', V. 1"=5'

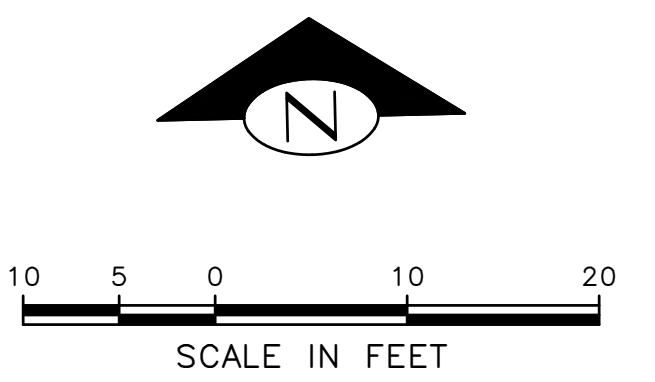
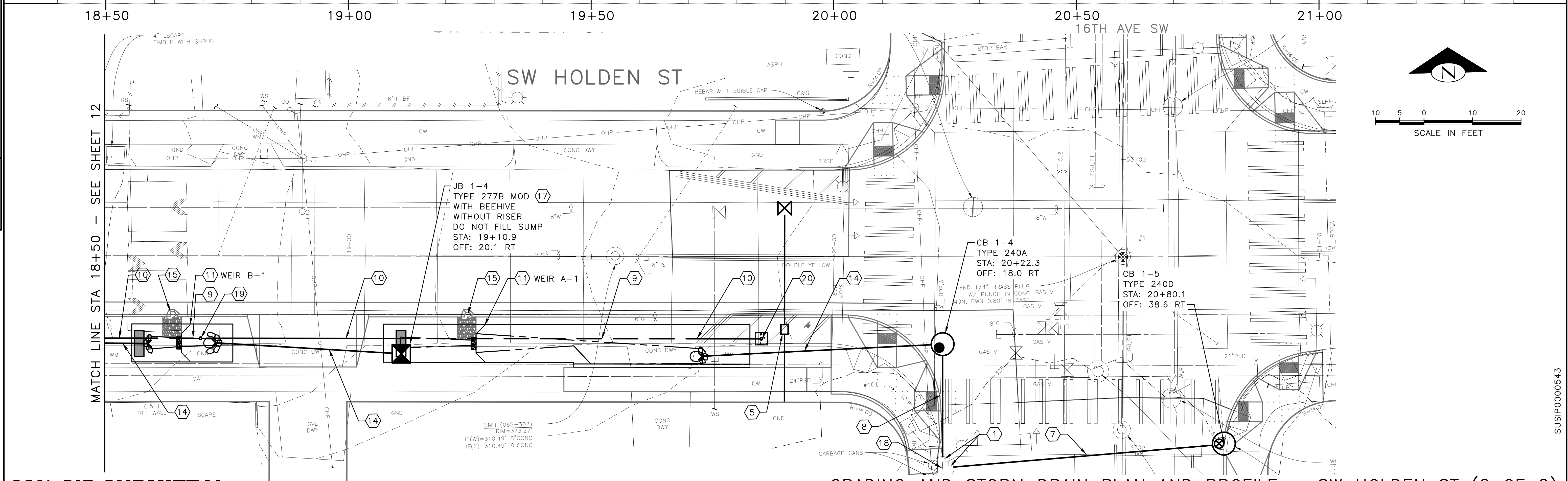
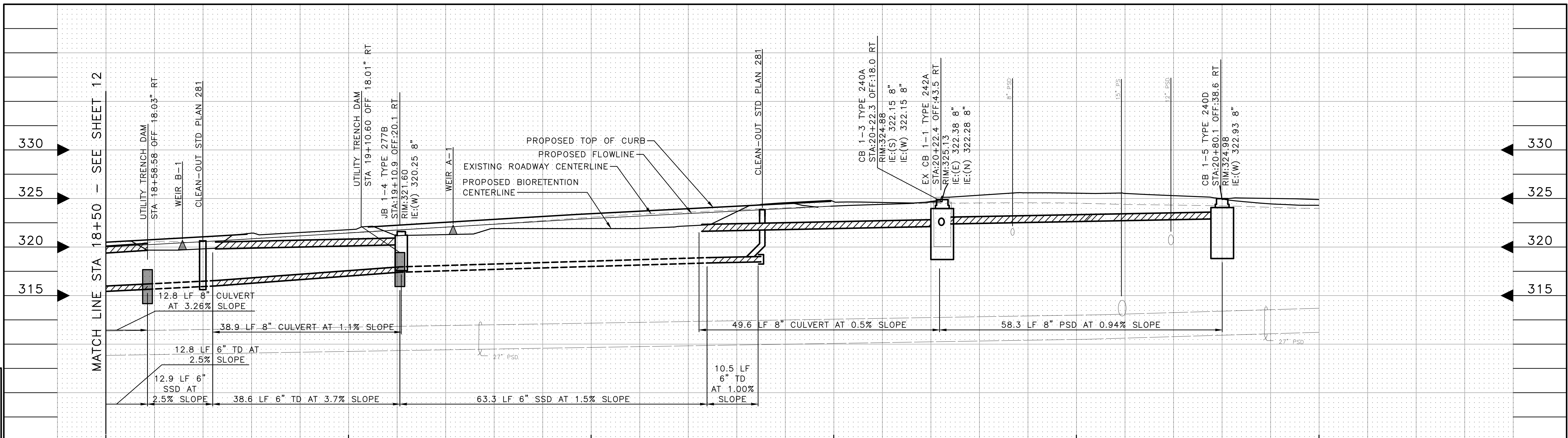
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VPI # 792-752	CO
<b>CU101</b>	
SHEET 12 OF 36	

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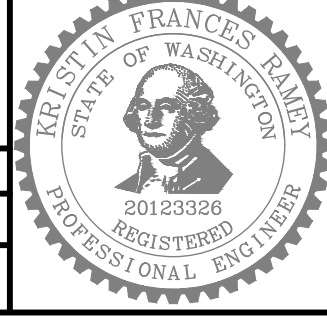
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39274							



**60% SIP SUBMITTAL**

**GRADING AND STORM DRAIN PLAN AND PROFILE - SW HOLDEN ST (2 OF 2)**

APPROVED FOR ADVERTISING	INITIALS AND DATE	INITIALS AND DATE
DESIGNED	DESIGNED	REVIEWED:
CHECKED	CHECKED	SDOT
		CONST.
		PROJ. MGR.
DRAWN		RECEIVED
CHECKED		REVISED AS BUILT
BY: .....	ALL WORK SHALL BE 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**

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SCALE: H. 1"=10', V. 1"=5'





HOLDEN NDS	
JOB #	PC C600855
CO	CO
VPI #	792-752
CU102	
SHEET 13 OF 36	

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DATE	MARK	NATURE	REVISIONS

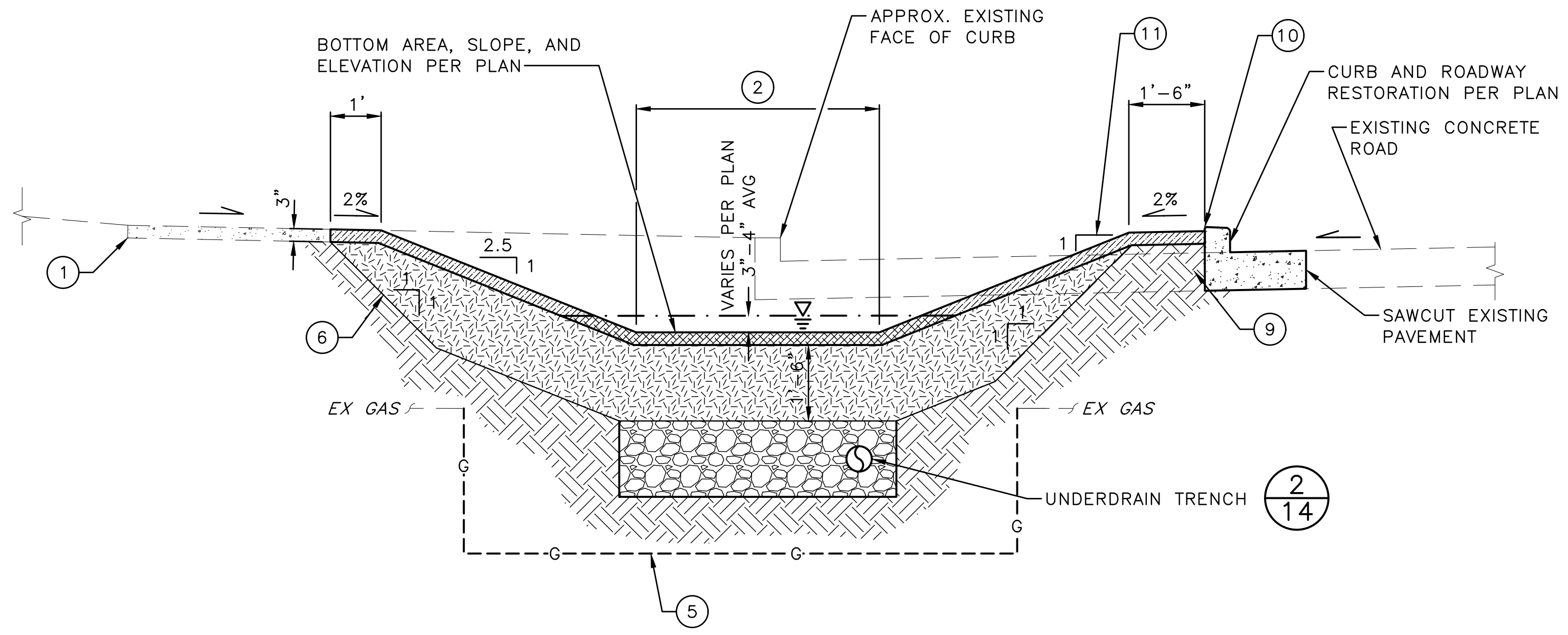
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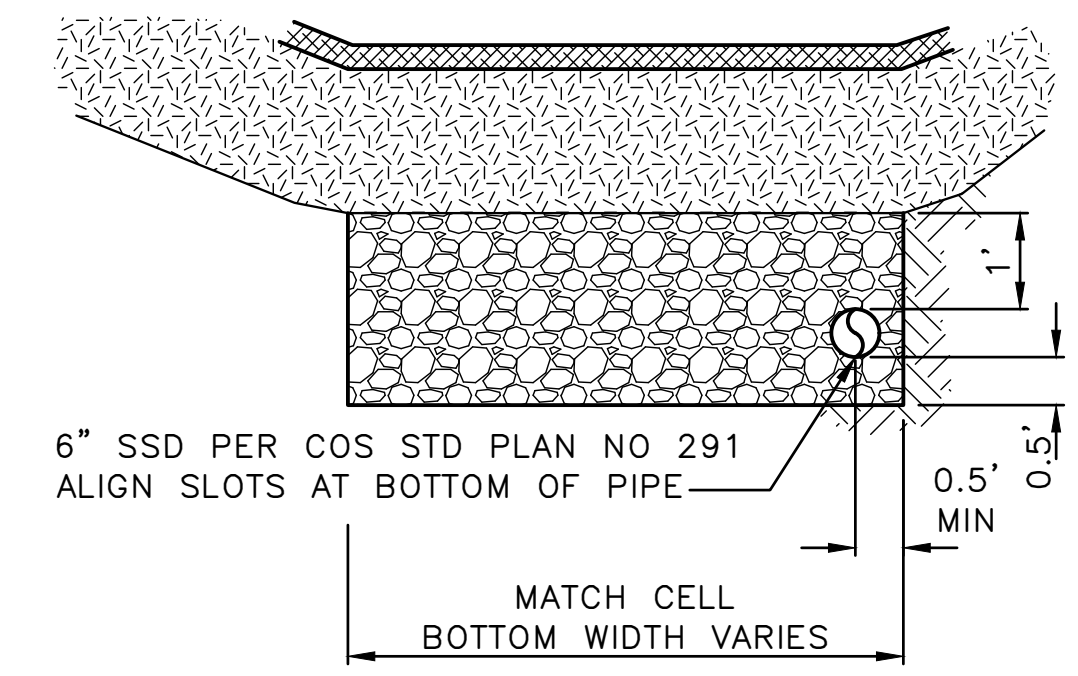
-  HIGH PERFORMANCE BIORETENTION SOIL
-  MINERAL AGGREGATE TYPE 26
-  MULCH, ARBORIST WOOD CHIP MULCH
-  MULCH, COURSE COMPOST

**BIORETENTION FACILITY KEY NOTES:**

- ① NEW SIDEWALK, WHERE APPLICABLE, PER PLAN
- ② BOTTOM WIDTH OF FACILITY VARIES.
- ③ MULCH TYPE VARIES. SEE PLANTING PLANS.
- ④ SEE LANDSCAPE DETAILS AND PLANS FOR PLANTINGS IN BIORETENTION FACILITIES. PLACEMENT OF STREET TREES VARIES. SEE PLANTING PLAN FOR LOCATION.
- ⑤ PSE TO ADJUST AND RECONNECT EXISTING GAS SERVICES WHERE SERVICES ARE NOTED TO BE ADJUSTED ON THE PLANS. GAS SERVICES WITHIN FACILITY SECTION ARE TO BE RELOCATED BELOW UNDERDRAIN TRENCH. GAS SERVICES OUTSIDE OF FACILITY DEPRESSION (E.G. AT CROSSINGS BETWEEN FACILITIES) ARE TO HAVE MINIMUM 24-INCHES OF COVER FROM FINISH SURFACE GRADE. PSE TO ADJUST GAS SERVICES PRIOR TO CONSTRUCTION OF BIORETENTION FACILITIES AND UNDERDRAIN. LOCATE GAS SERVICES AND MAINS PRIOR TO CONSTRUCTION.
- ⑥ SCARIFY SUBGRADE AS SPECIFIED IN SPEC SECTION 7-21.3(2)B IN THE AREA SUBJECT TO TEMPORARY PONDING BEFORE BIORETENTION SOIL INSTALLATION.
- ⑦ NIC
- ⑧ EXISTING WATER SERVICE AND METERS TO BE RELOCATED BY SPU WITH CONTRACTOR SUPPORT WHERE SHOWN ON CIVIL GRADING AND STORM DRAIN PLANS.
- ⑨ SOIL UNDER SHOULDERS OR PAVED AREAS MUST BE UNDISTURBED NATIVE SOIL OR APPROVED SOIL COMPACTED TO 95% DENSITY.
- ⑩ PROVIDE ONE INCH GAP BETWEEN TOP OF WALKS, CURBS, PAVEMENTS AND DRIVEWAYS AND TOP OF ARBORIST WOODCHIP MULCH, WHERE OCCURS.
- ⑪ TYPICAL MAXIMUM SLOPE ALLOWED IS 2.5H=1V, 3H=1V MAX WHEN WITHIN 50- FEET OF INTERSECTIONS.




**BIORETENTION AT CURB AND GUTTER** ①  
 NTS 11, 12, 21, & 22



**UNDERDRAIN TRENCH** ②  
 NTS 14, 15, & 17

**60% SIP SUBMITTAL**

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . . .	INITIALS AND DATE DESIGNED CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR.
BY: . . . . . PURCHASING AND CONTRACTING	DRAWN CHECKED	RECEIVED REVISED AS BUILT
ALL WORK SHALL BE 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**  
 ORDINANCE NO. . . . . PW NO. . . . .  
 SCALE: AS NOTED

**HOLDEN NDS**

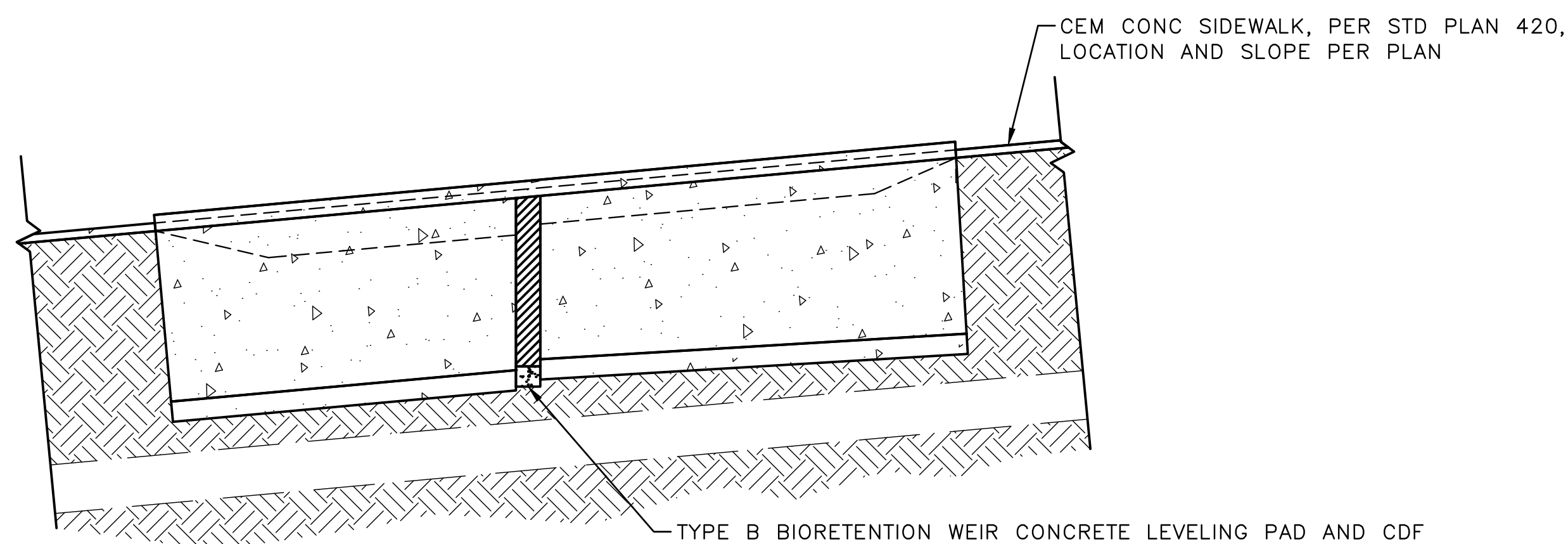
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CO	CO
VPI #	792-752
<b>CU201</b>	
SHEET	14 OF 36

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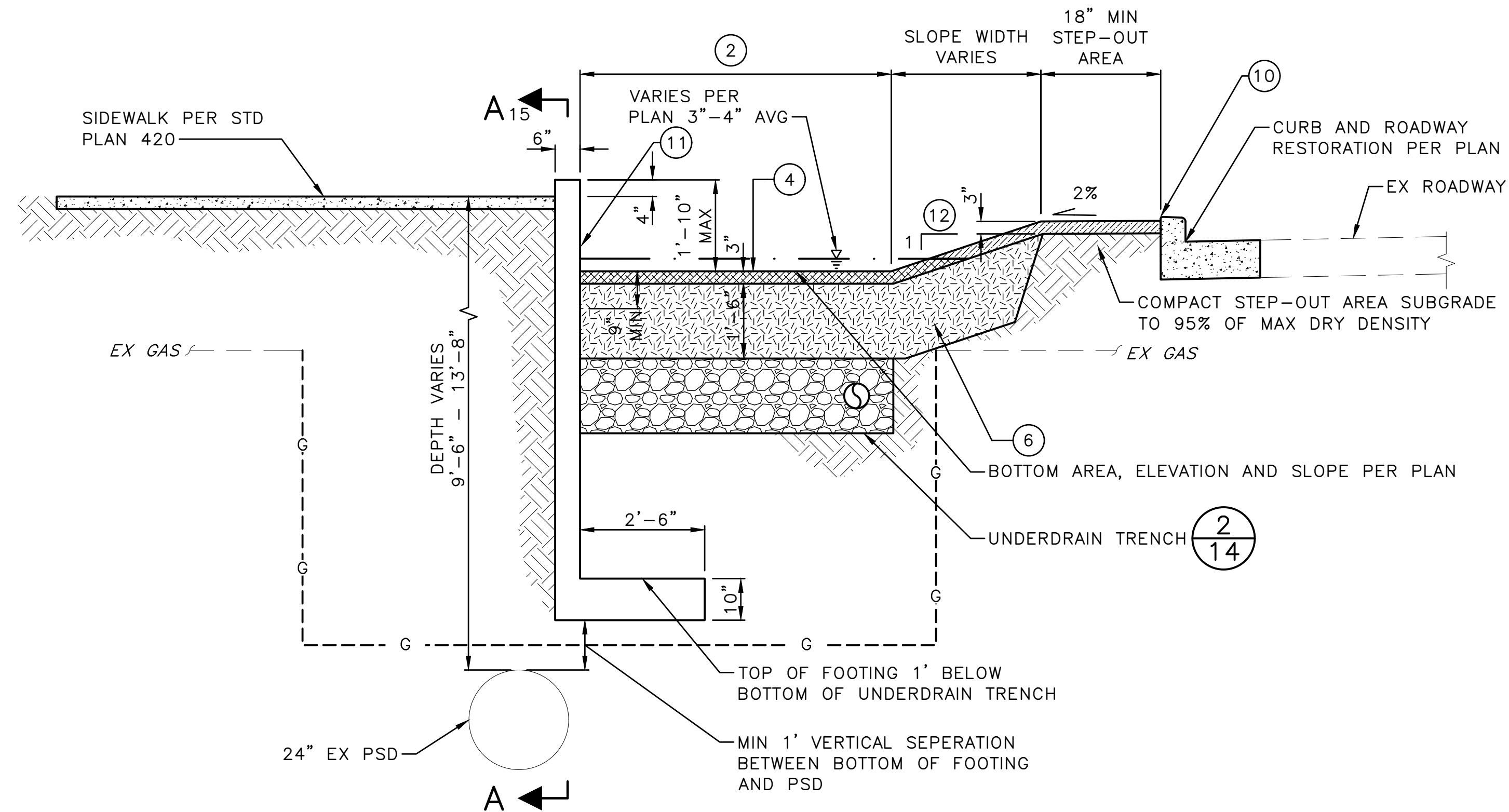
STORM DETAILS (1 OF 4)

**BIORETENTION WITH VERTICAL WALLED SIDE KEY NOTES:**

- ① NEW SIDEWALK, WHERE APPLICABLE, PER PLAN.
- ② BOTTOM WIDTH OF FACILITY VARIES.
- ③ MULCH TYPE VARIES. SEE PLANTING PLANS.
- ④ SEE LANDSCAPE DETAILS AND PLANS FOR PLANTINGS IN BIORETENTION FACILITIES. PLACEMENT OF STREET TREES VARIES. SEE PLANTING PLAN FOR LOCATION.
- ⑤ PSE TO ADJUST AND RECONNECT EXISTING GAS SERVICES WHERE SERVICES ARE NOTED TO BE ADJUSTED ON THE PLANS. GAS SERVICES WITHIN FACILITY SECTION ARE TO BE RELOCATED BELOW UNDERDRAIN TRENCH. GAS SERVICES OUTSIDE OF FACILITY DEPRESSION (E.G. AT CROSSINGS BETWEEN FACILITIES) ARE TO HAVE MINIMUM 24-INCHES OF COVER FROM FINISH SURFACE GRADE. PSE TO ADJUST GAS SERVICES PRIOR TO CONSTRUCTION OF BIORETENTION FACILITIES AND UNDERDRAIN. LOCATE GAS SERVICES AND MAINS PRIOR TO CONSTRUCTION.
- ⑥ SCARIFY SUBGRADE AS SPECIFIED IN SPEC SECTION 7-21.3(2)B IN THE AREA SUBJECT TO TEMPORARY PONDING BEFORE BIORETENTION SOIL INSTALLATION.
- ⑦ NIC
- ⑧ EXISTING WATER SERVICES AND METERS TO BE RELOCATED BY SPU WITH CONTRACTOR SUPPORT WHERE SHOWN ON CIVIL GRADING AND STORM DRAIN PLANS.
- ⑨ SOIL UNDER SHOULDERS OR PAVED AREAS MUST BE UNDISTURBED NATIVE SOIL OR APPROVED SOIL COMPACTED TO 95% DENSITY.
- ⑩ PROVIDE MIN ONE INCH GAP BETWEEN TOP OF WALKS, CURBS, PAVEMENTS AND DRIVEWAYS AND TOP OF ARBORIST WOODCHIP MULCH, WHERE OCCURS.
- ⑪ WALL DETAILS TO BE PROVIDED AT 90% DESIGN SUBMITTAL.
- ⑫ TYPICAL MAXIMUM SLOPE ALLOWED IS 2.5H=1V, 3H=1V MAX WHEN WITHIN 50- FEET OF INTERSECTIONS.



**SECTION A-A**  
SCALE: NTS



**LEGEND:**

- BIORETENTION SOIL MIX
- PEA GRAVEL OR SELF-COMPACTING MATERIAL
- MINERAL AGGREGATE TYPE 2
- MINERAL AGGREGATE TYPE 22
- MULCH
- COMPOST

**BIORETENTION WITH VERTICAL WALLED SIDE** ①  
SCALE: NTS **VAR**

**60% SIP SUBMITTAL**

**STORM DETAILS (2 OF 4)**

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON ..... 20 .....	INITIALS AND DATE DESIGNED CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT	BY: ..... PURCHASING AND CONTRACTING
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**Seattle Public Utilities**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: AS NOTED

**HOLDEN NDS**

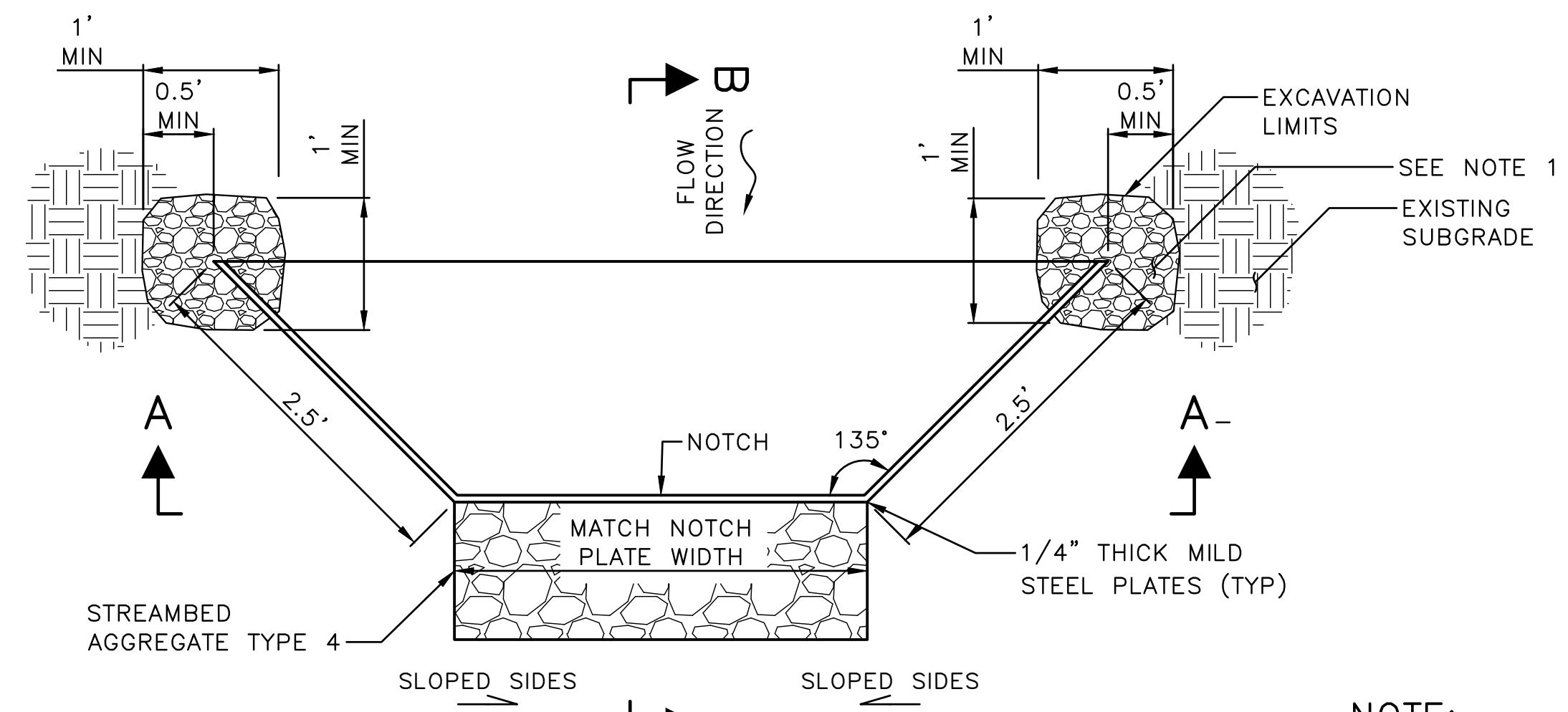
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CO	792-752
<b>CU202</b>	
SHEET 15 OF 36	

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
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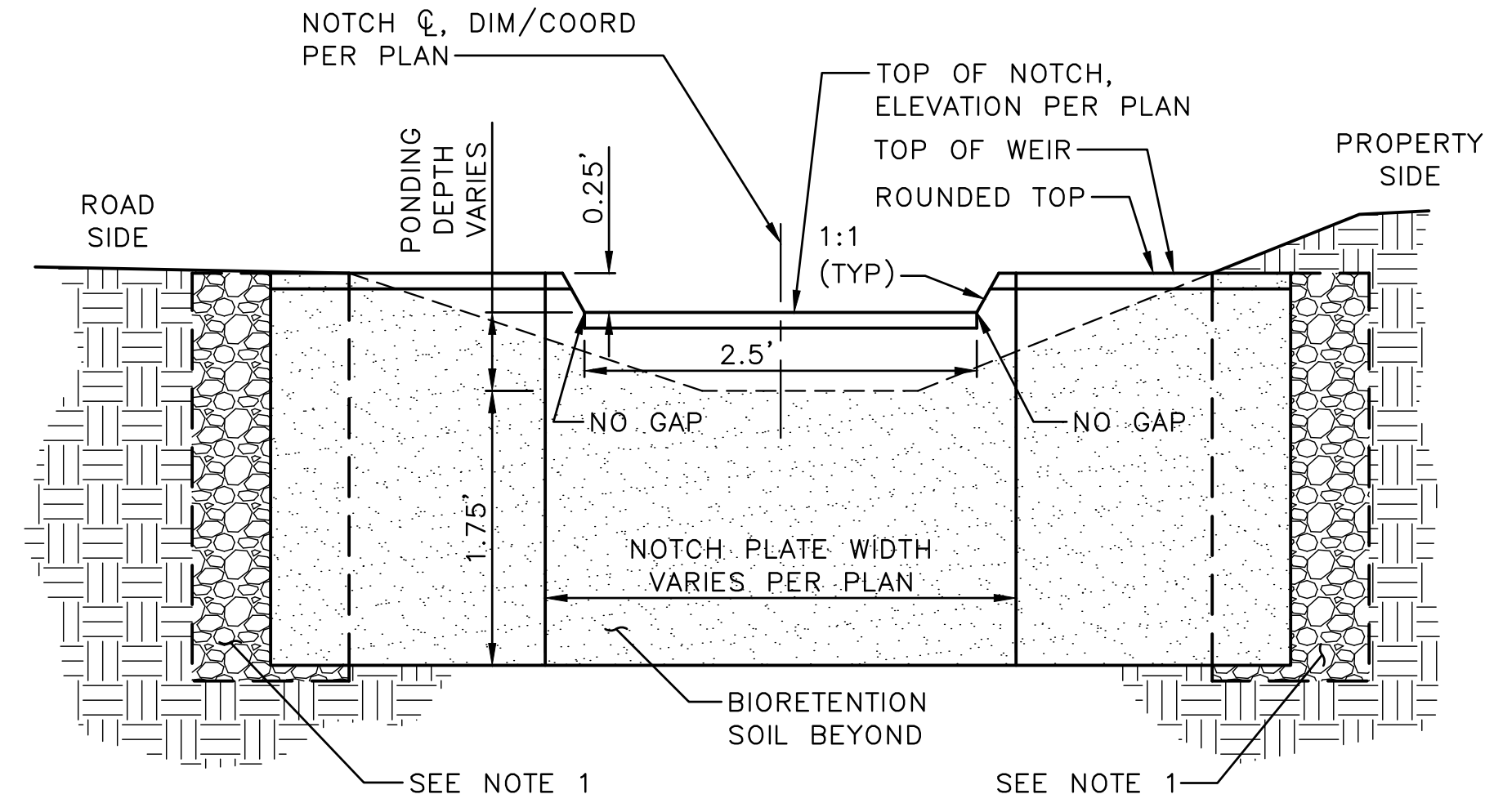
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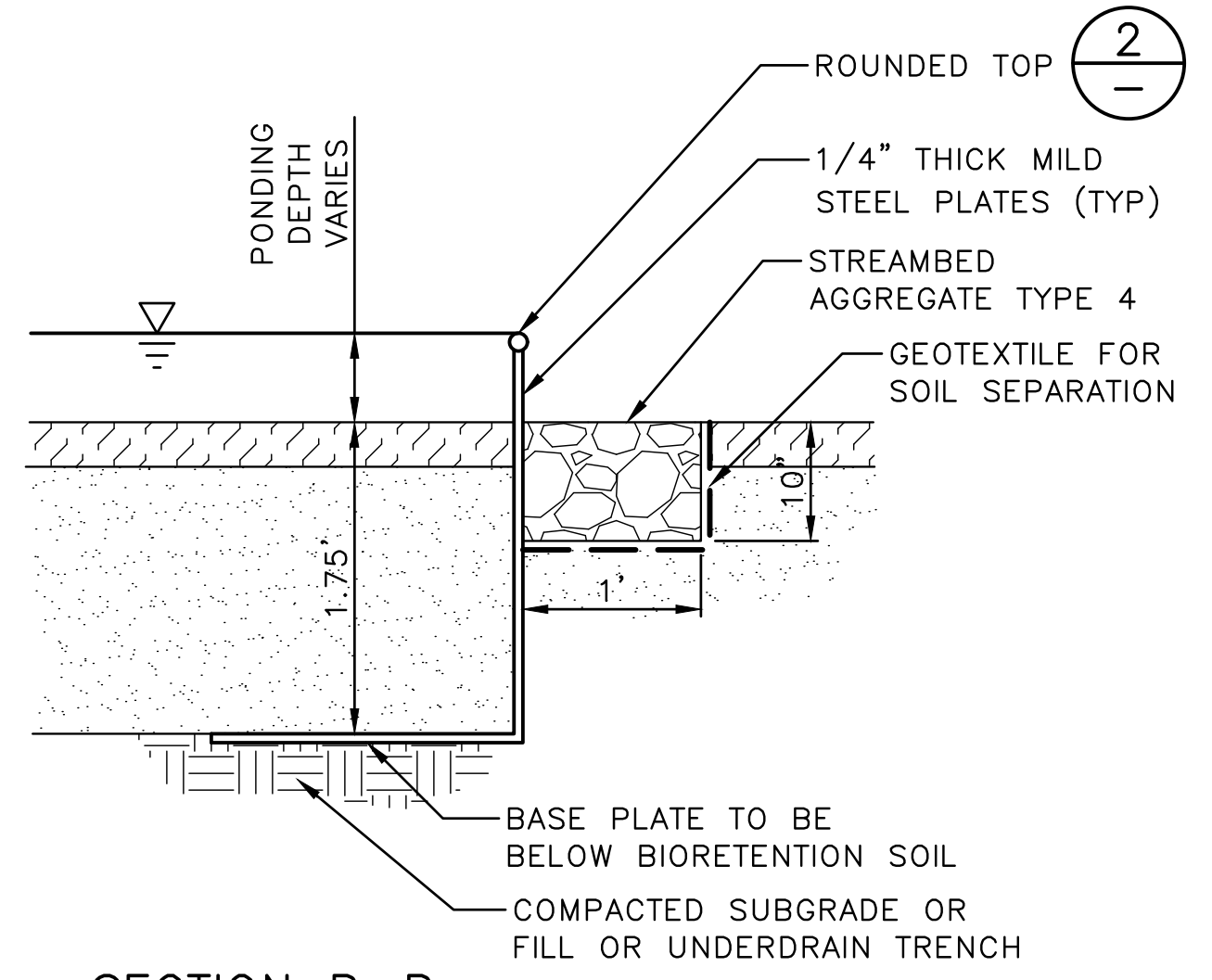


PLAN

NOTE:  
1. ANCHOR WEIRS IN PLACE WITH CDF ALONG FULL HEIGHT OF WEIR, DIMENSIONS PER PLAN.

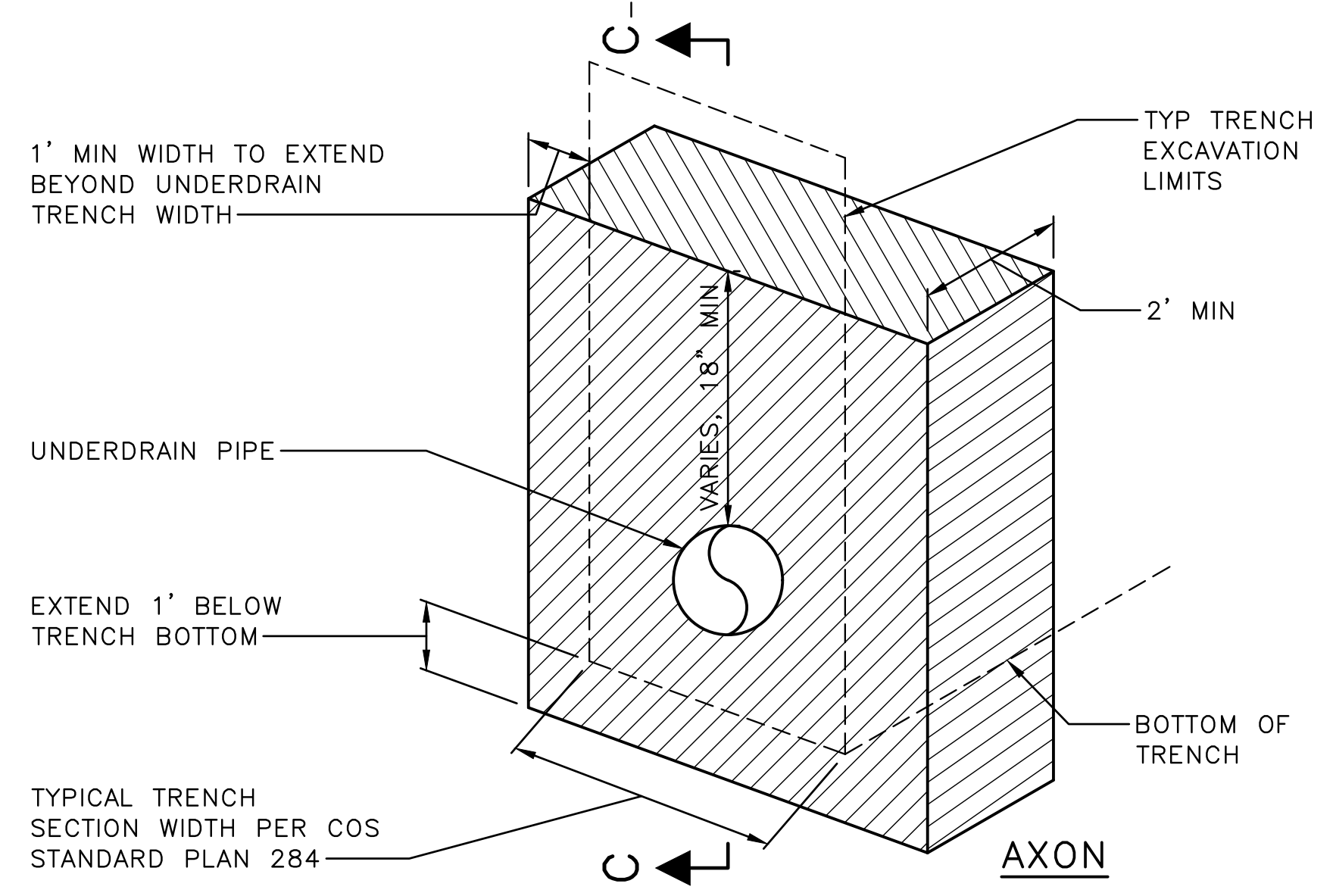


SECTION A-A

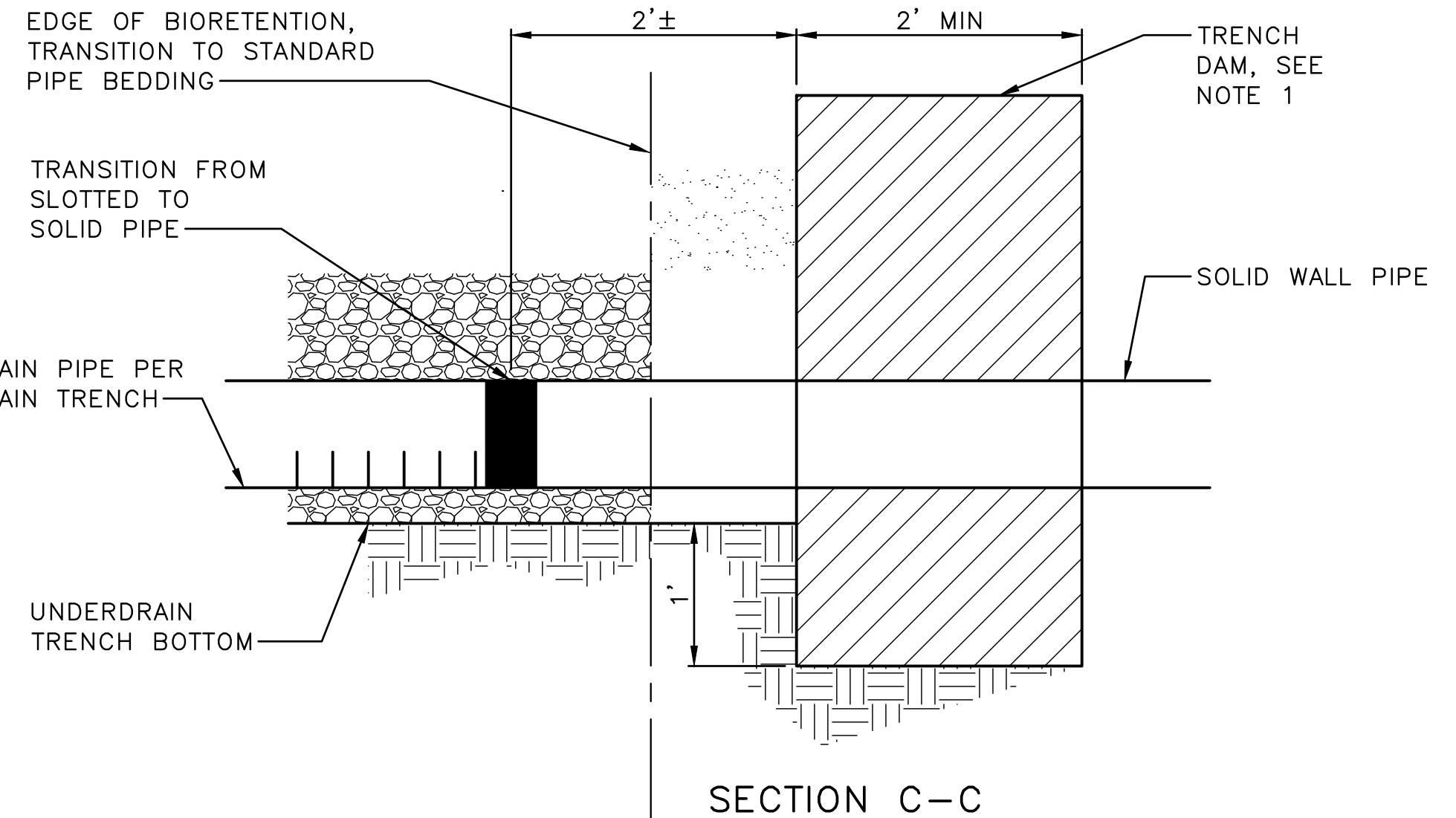


SECTION B-B

BIORETENTION WEIR - TYPE A (1) VAR



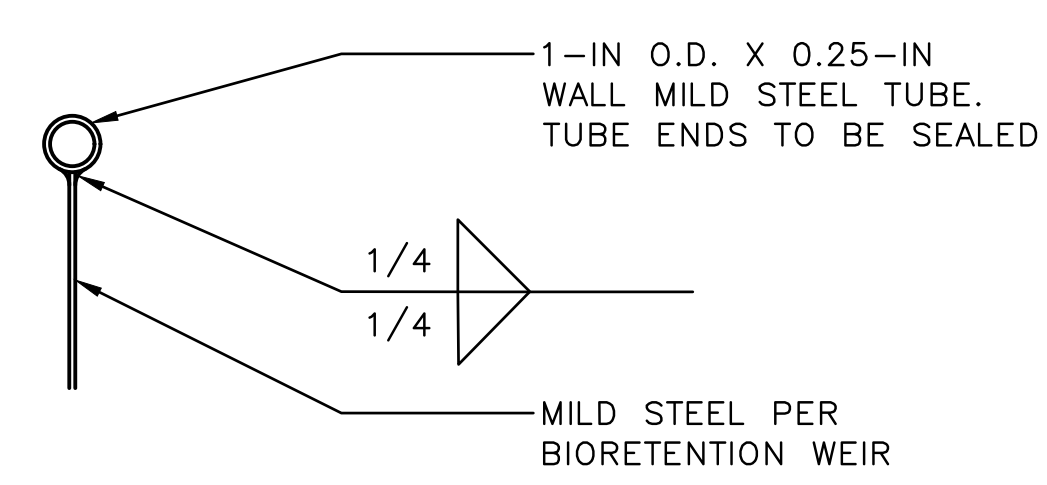
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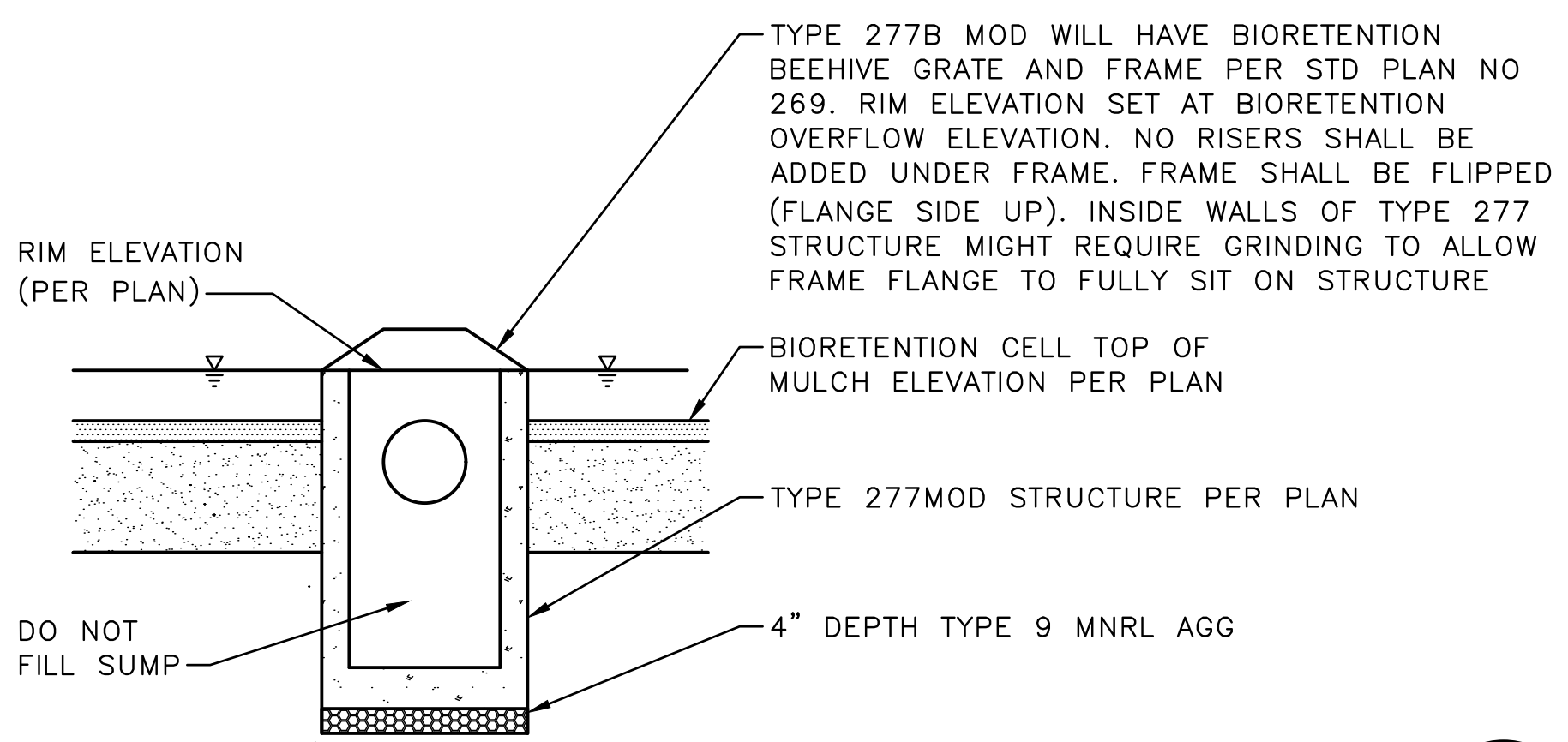
SECTION C-C

NOTE:  
1. TRENCH DAM BACKFILL SHALL BE A MATERIAL WITH HYDRAULIC CONDUCTIVITY LESS THAN 4X10^-6 INCHES/SECOND ACCORDING TO ASTM D-5084 AND NON-PERMISSIVE MATERIAL. MATERIAL SUCH AS CONTROLLED DENSITY FILL, NATIVE SOIL EXCAVATED ON SITE THAT HAS A MINIMUM OF 20 PERCENT PASSING #200 SIEVE SCREEN, OR OTHER MATERIAL APPROVED BY ENGINEER.

TYPICAL UTILITY TRENCH DAM (3) VAR



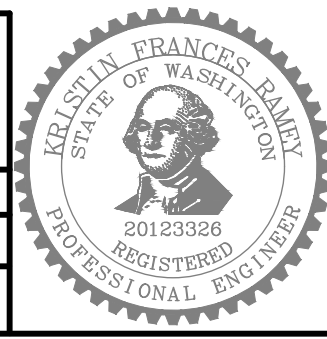
ROUNDED TOP (2) VAR



BIORETENTION OVERFLOW - TYPE 277MOD (4) VAR

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APPROVED FOR ADVERTISING	INITIALS AND DATE	INITIALS AND DATE
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CHECKED		DES. CONST.
		SDOT PROJ. MGR.
DRAWN	CHECKED	RECEIVED
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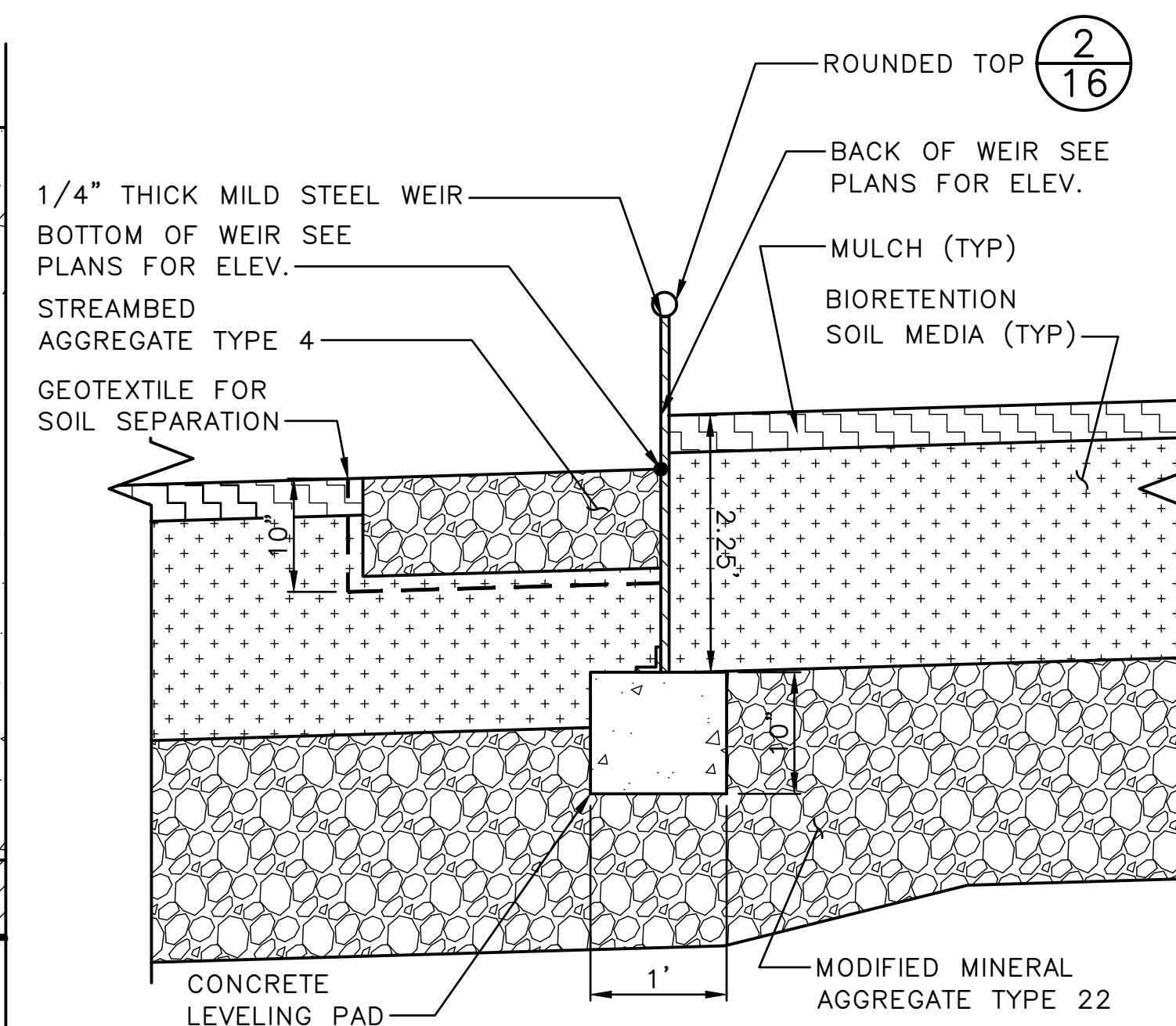
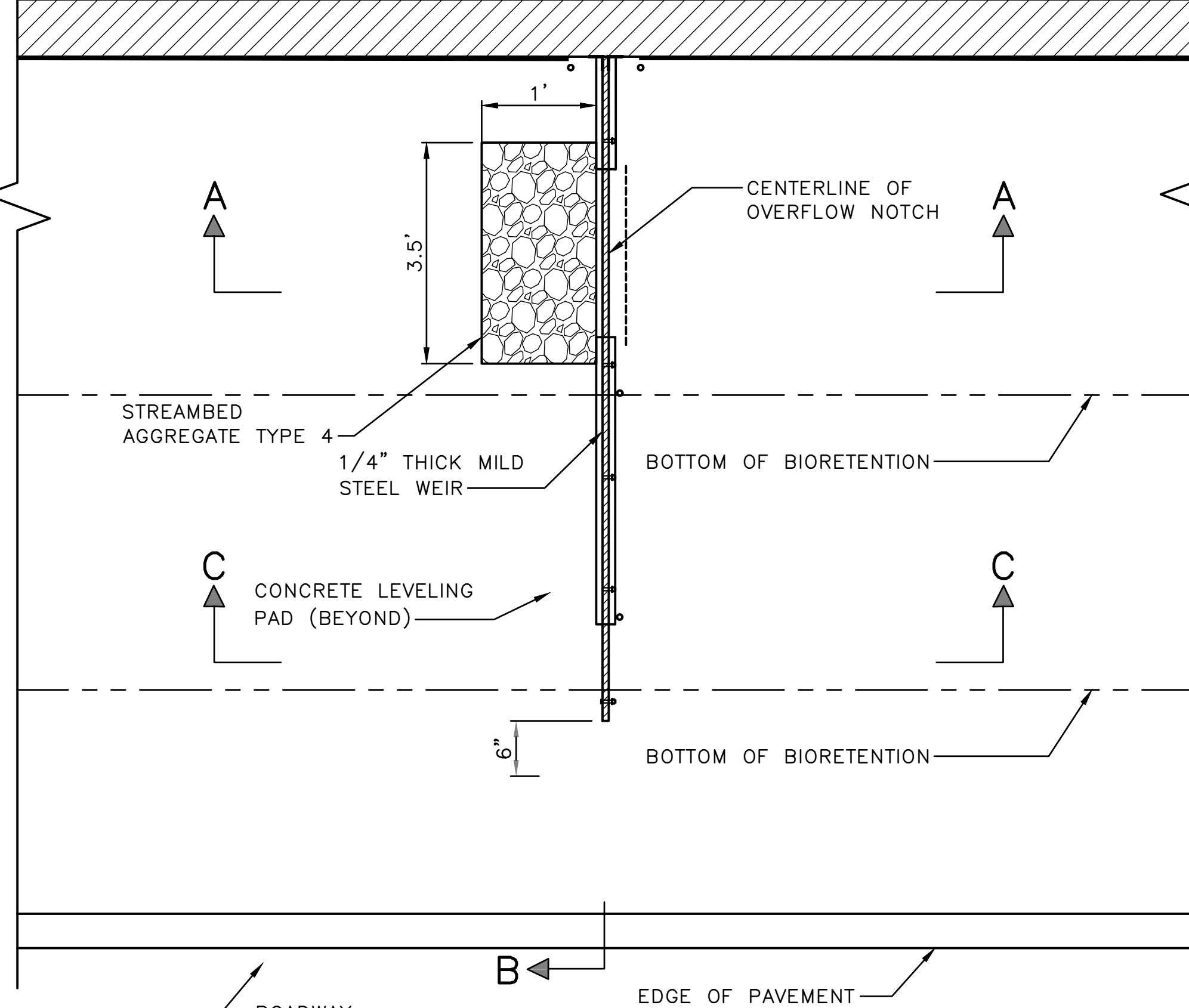
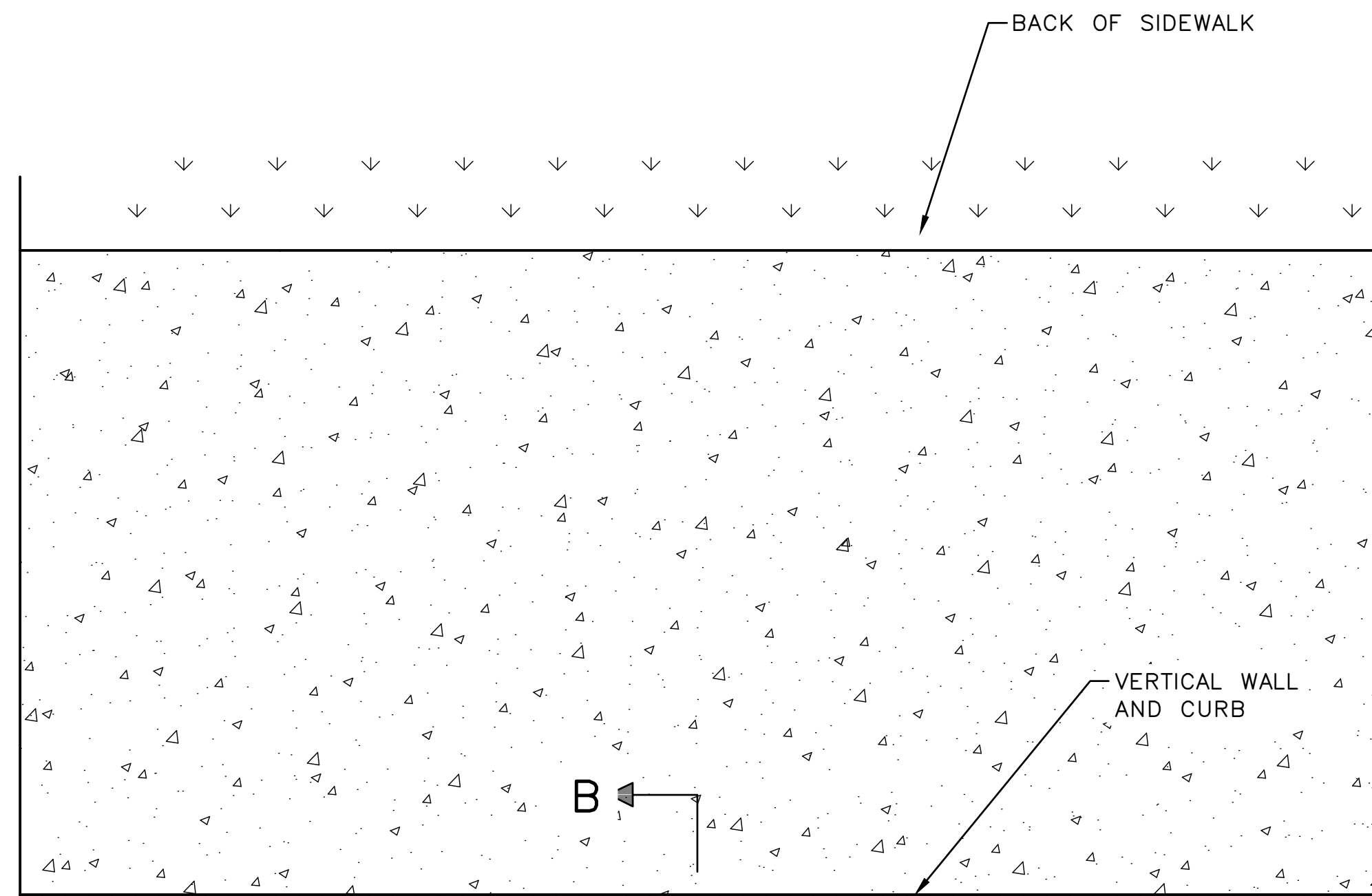
SCALE: AS NOTED

JOB	PC C600855
CO	CO
VPI #	792-752
<b>CU203</b>	
HOLDEN NDS	
SHEET 16 OF 36	

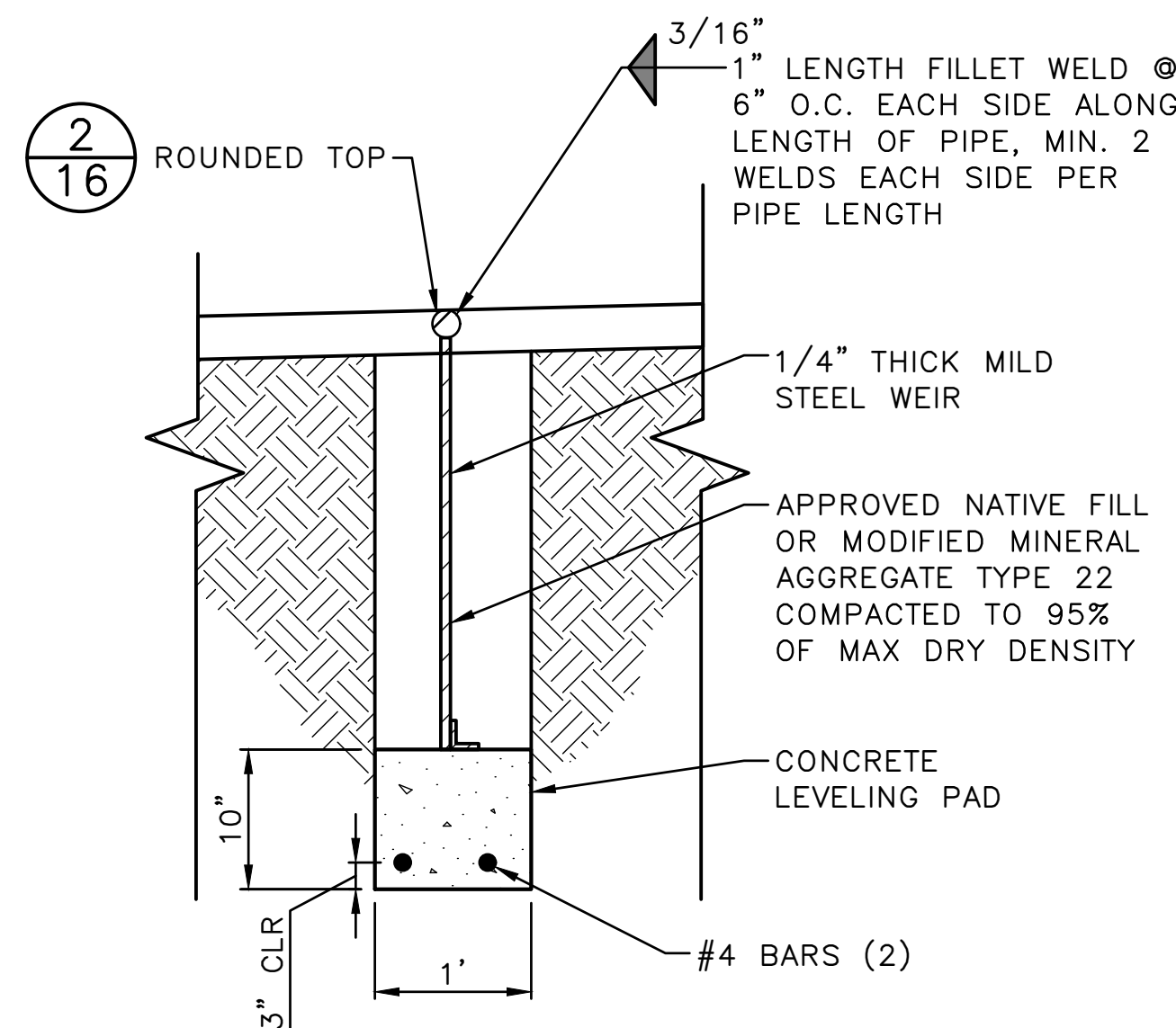
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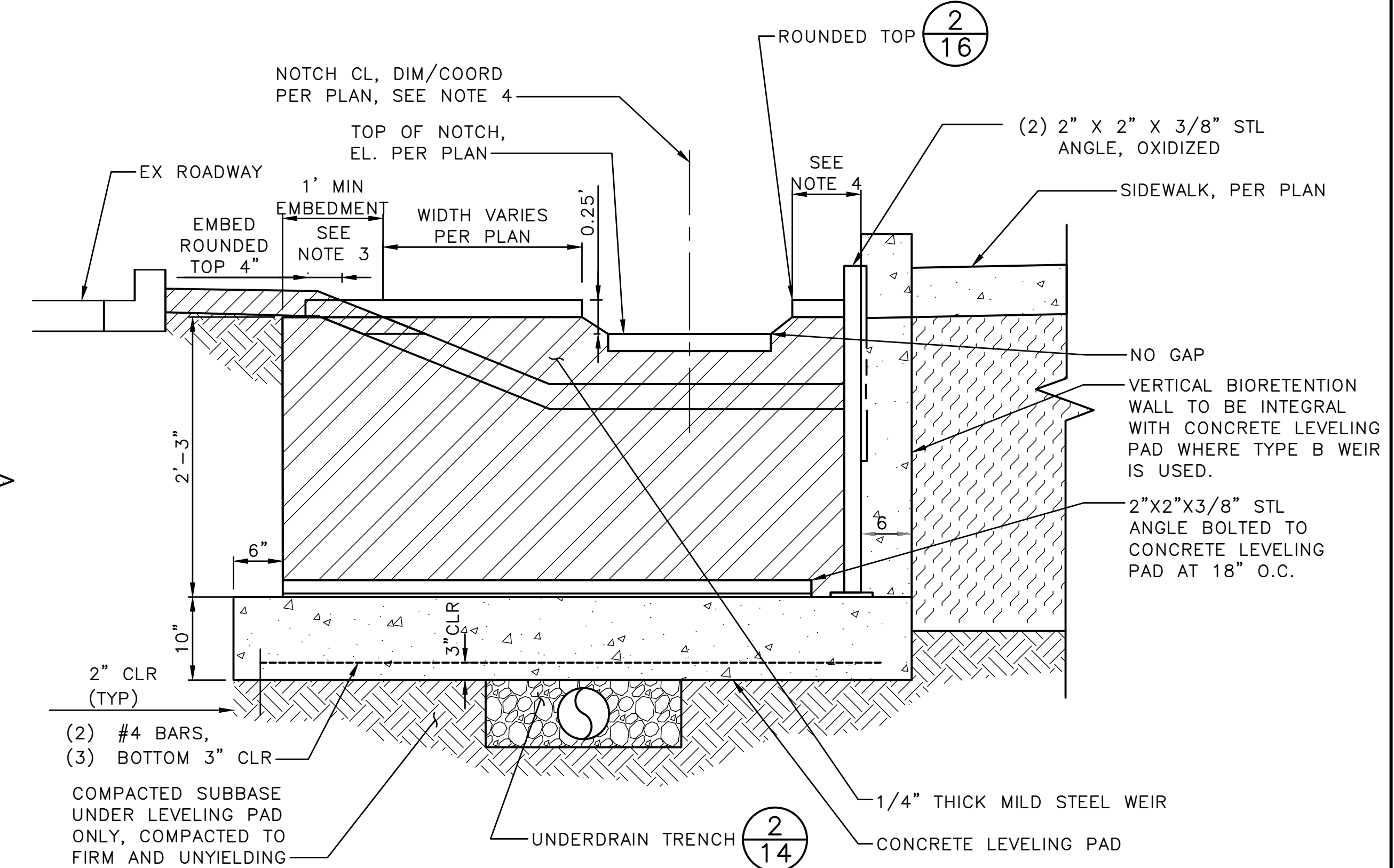
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NATURE		
REVISIONS		
DATE	MARK	
Vault	SERIAL #	
39274		



SECTION A-A



SECTION C-C



SECTION B-B

TYPE B BIORETENTION WEIR DETAIL 1  
 NTS VAR

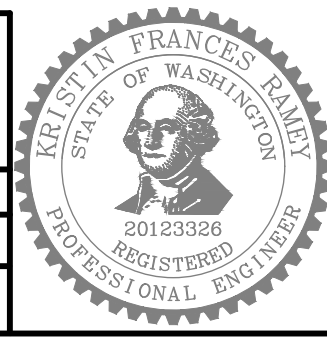
NOTES

- CELL BOTTOM ELEVATIONS ON PROFILES ARE LOCATED AT CENTER OF OVERFLOW NOTCH.
- PROVIDE 1' MIN. EMBEDMENT AT ALL LOCATIONS.
- CENTER OVERFLOW NOTCH IN MIDDLE OF DOWNSTREAM BIORETENTION CELL BOTTOM AREA. PROVIDE 3" MIN OFFSET FROM FACE OF SIDEWALK TO BEGINNING OF NOTCH.
- ATTACH STEEL ANGLES TO CONCRETE AND CDF WITH 1/2" STAINLESS STEEL ANCHOR BOLTS, WASHERS, AND NUTS, MINIMUM 18" ON-CENTER.
- ATTACH STEEL WEIR TO STEEL ANGLES WITH STAINLESS STEEL BOLTS, WASHERS, AND NUTS, MINIMUM 18" ON-CENTER. OFFSET WEIR CONNECTION BOLTS FROM CONCRETE ANCHOR BOLTS A MINIMUM 3 INCHES.

60% SIP SUBMITTAL

STORM DETAILS (3 OF 4)

APPROVED FOR ADVERTISING	INITIALS AND DATE	INITIALS AND DATE
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES	DESIGNED	REVIEWED:
SEATTLE, WASHINGTON . . . . . 20 . . . . .	CHECKED	DES. CONST.
	DRAWN	SDOT PROJ. MGR.
	CHECKED	RECEIVED
		REVISED AS BUILT



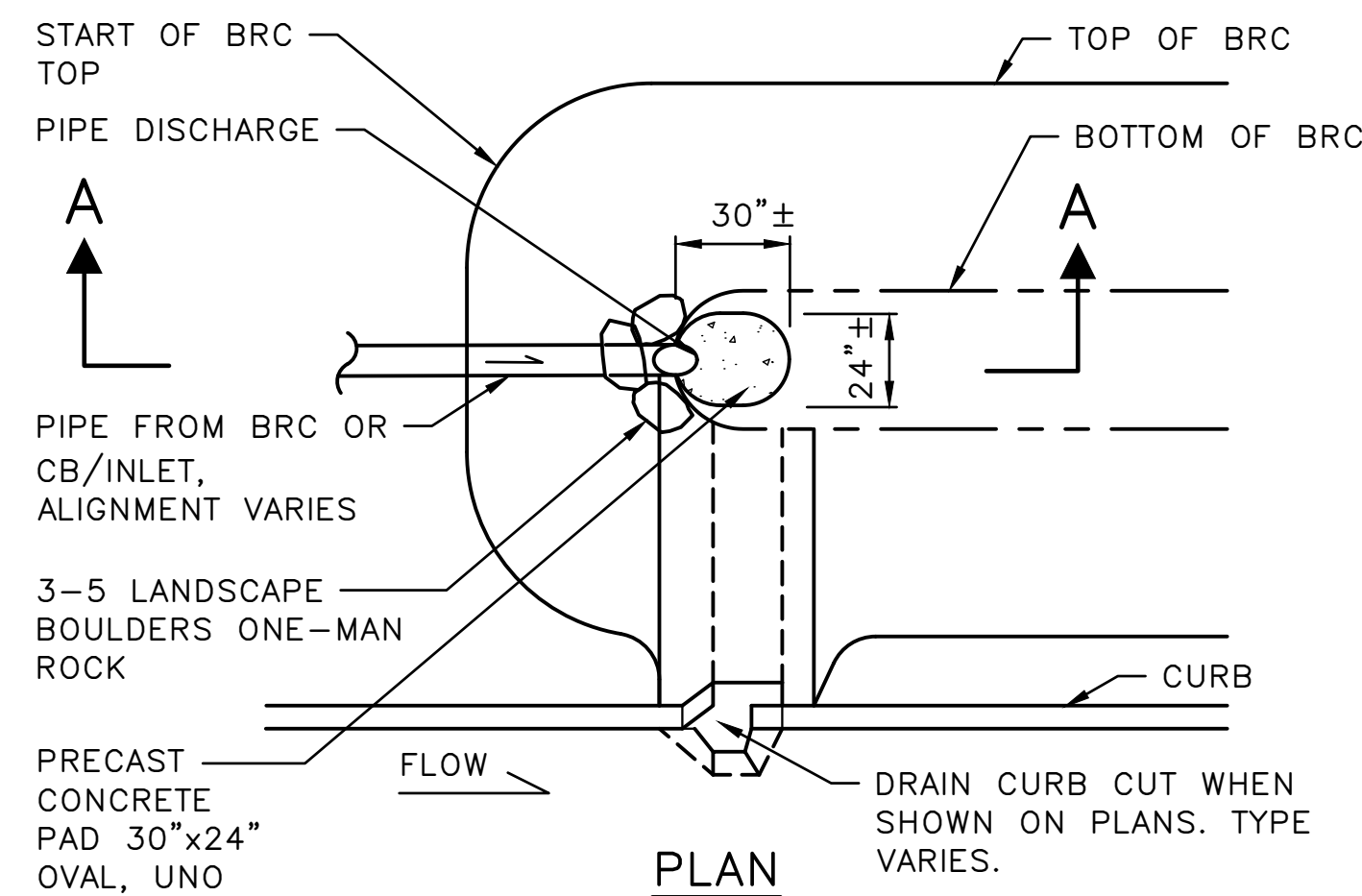
**Seattle Public Utilities**

ORDINANCE NO. PW NO.

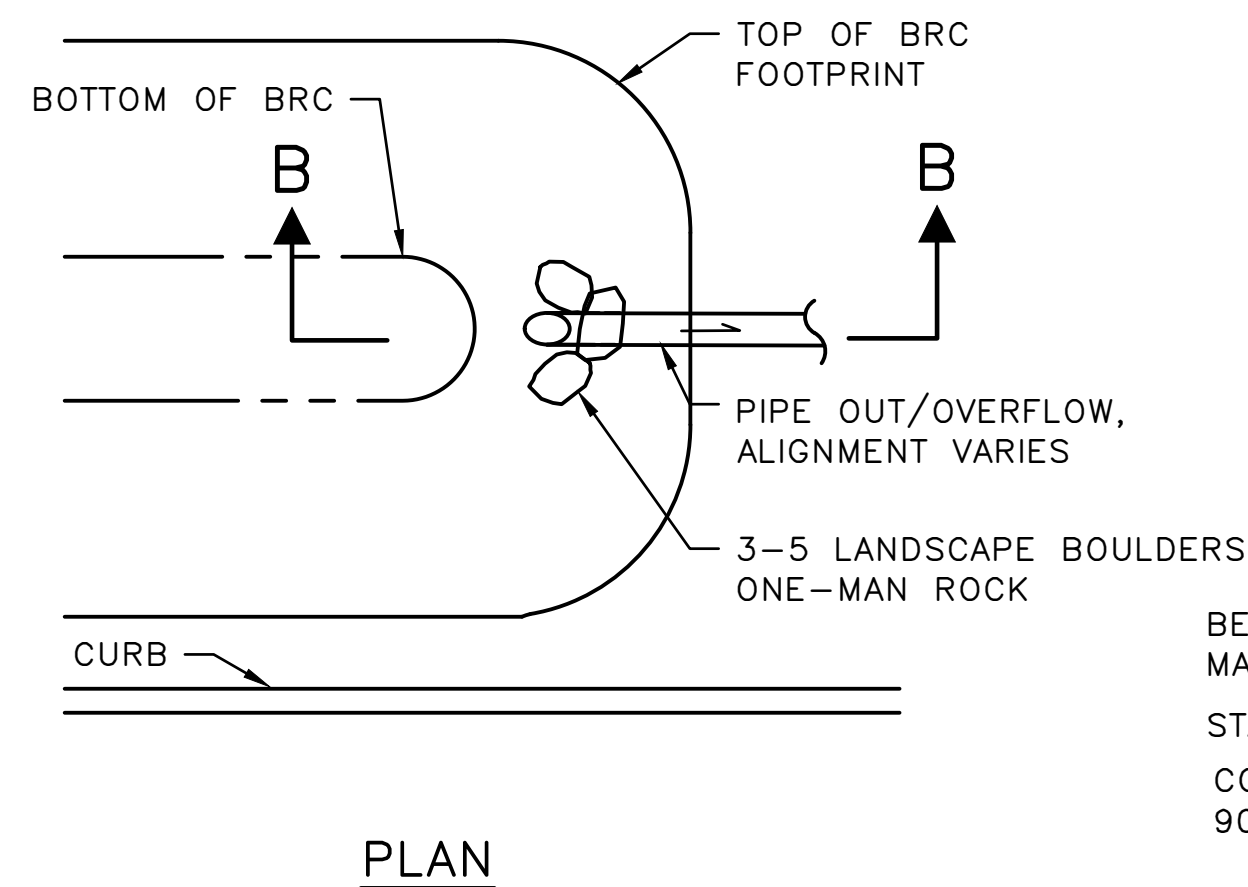
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JOB	PC C600855
CO	
VPI #	792-752
<b>CU204</b>	
HOLDEN NDS	
SHEET 17 OF 36	

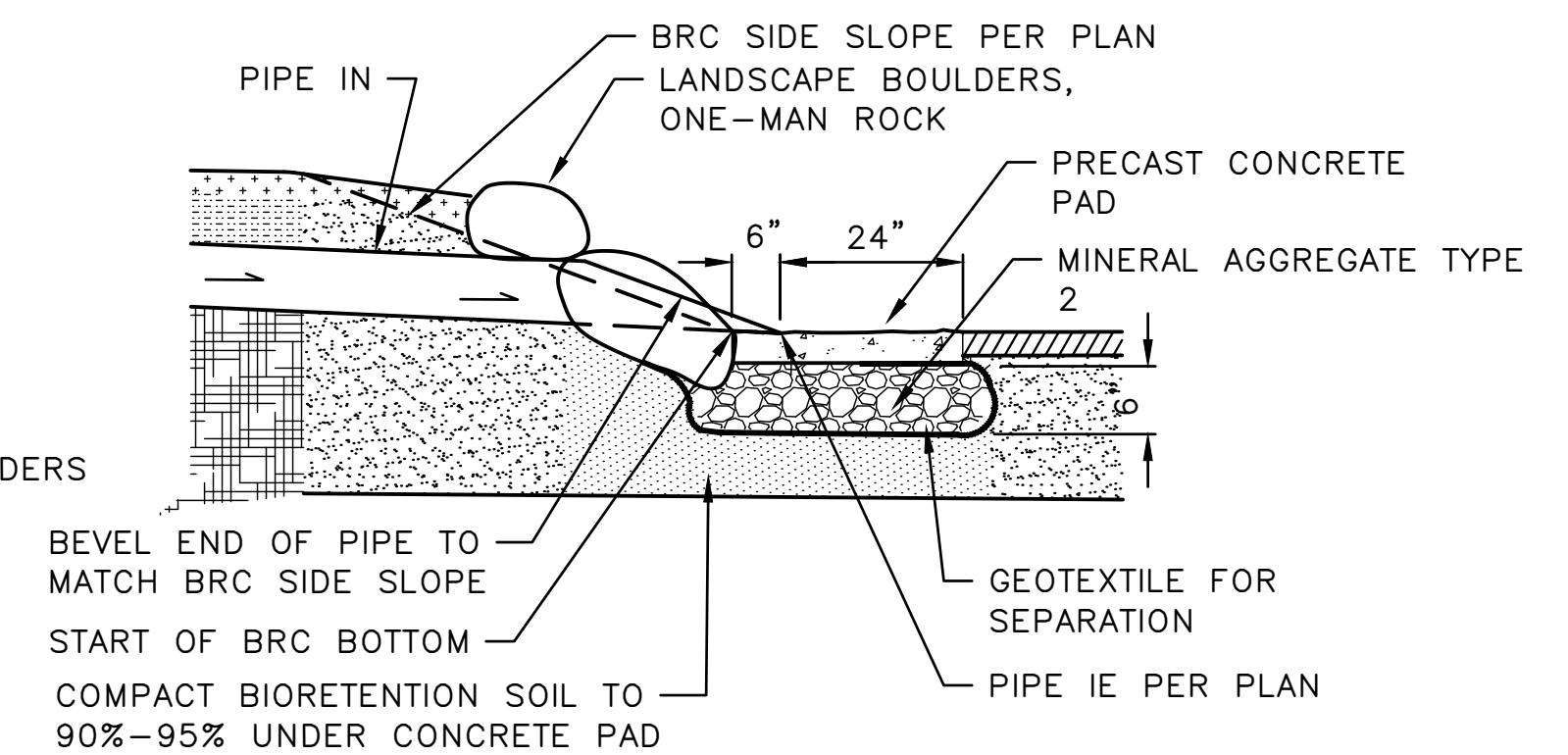
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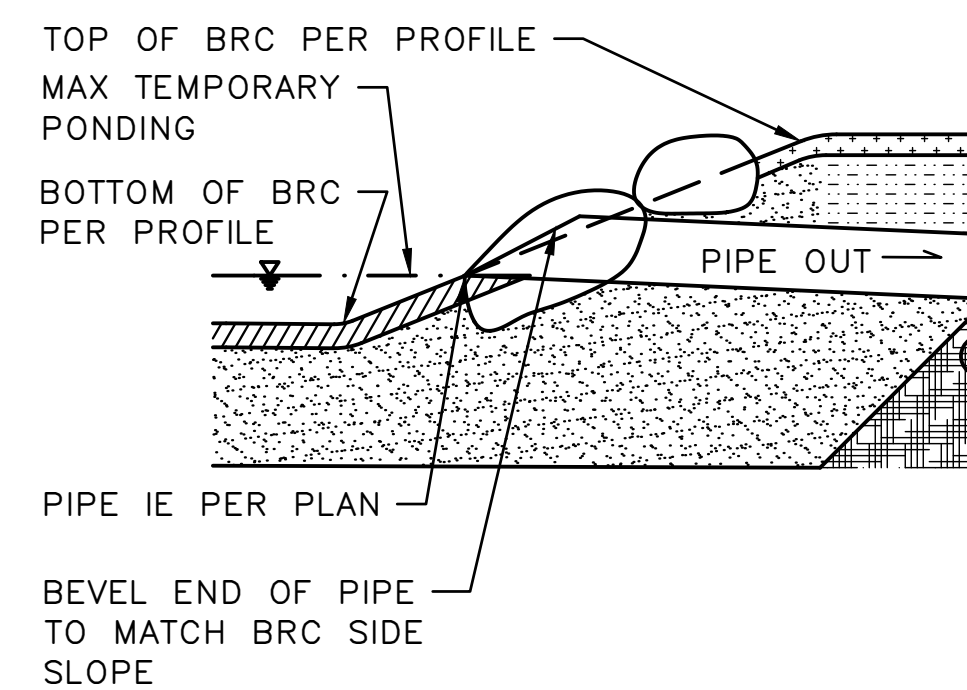
**TYPE 1 - PIPE IN**



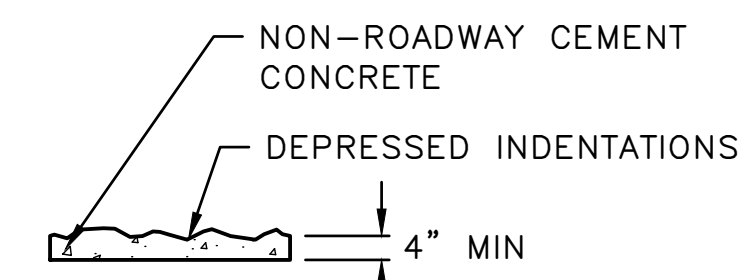
**TYPE 2 - PIPE OUT OF BRC**



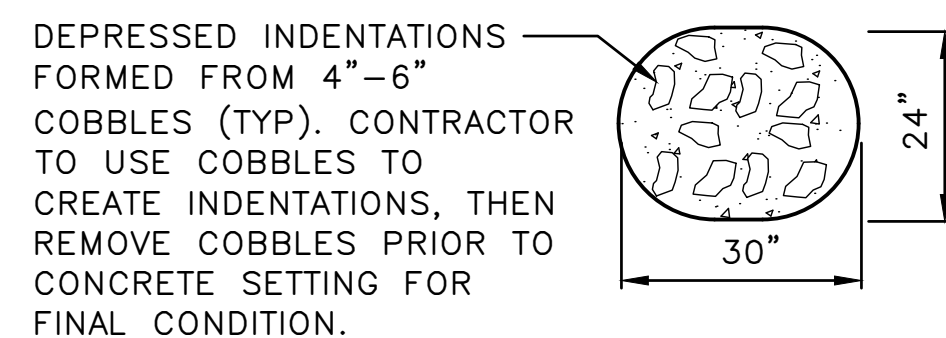
**SECTION A-A (ENLARGEMENT)**



**SECTION B-B (ENLARGEMENT)**



**PRECAST CONCRETE PAD SECTION**



**PRECAST CONCRETE PAD PLAN**

**NOTES:**

1. PROVIDE FIELD MOCK-UP FOR EACH TYPE AT PERMANENT LOCATION FOR ENGINEER AND LANDSCAPE ARCHITECT REVIEW.
2. SEE LANDSCAPE PLANS AND DETAILS FOR PLANTING IN BIORETENTION CELL.

**PRESETTLING ZONE /ENERGY DISSIPATION FOR DAYLIGHTING PIPES**

SCALE: NTS

1  
VAR

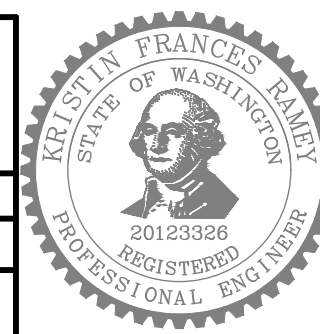
**60% SIP SUBMITTAL**

**STORM DETAILS (4 OF 4)**

APPROVED FOR ADVERTISING  
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES  
SEATTLE, WASHINGTON . . . . . 20 . . . . .  
BY: . . . . .  
PURCHASING AND CONTRACTING

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

ALL WORK SHALL BE 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**  
ORDINANCE NO. . . . . PW NO. . . . .  
SCALE: NTS

**HOLDEN NDS**

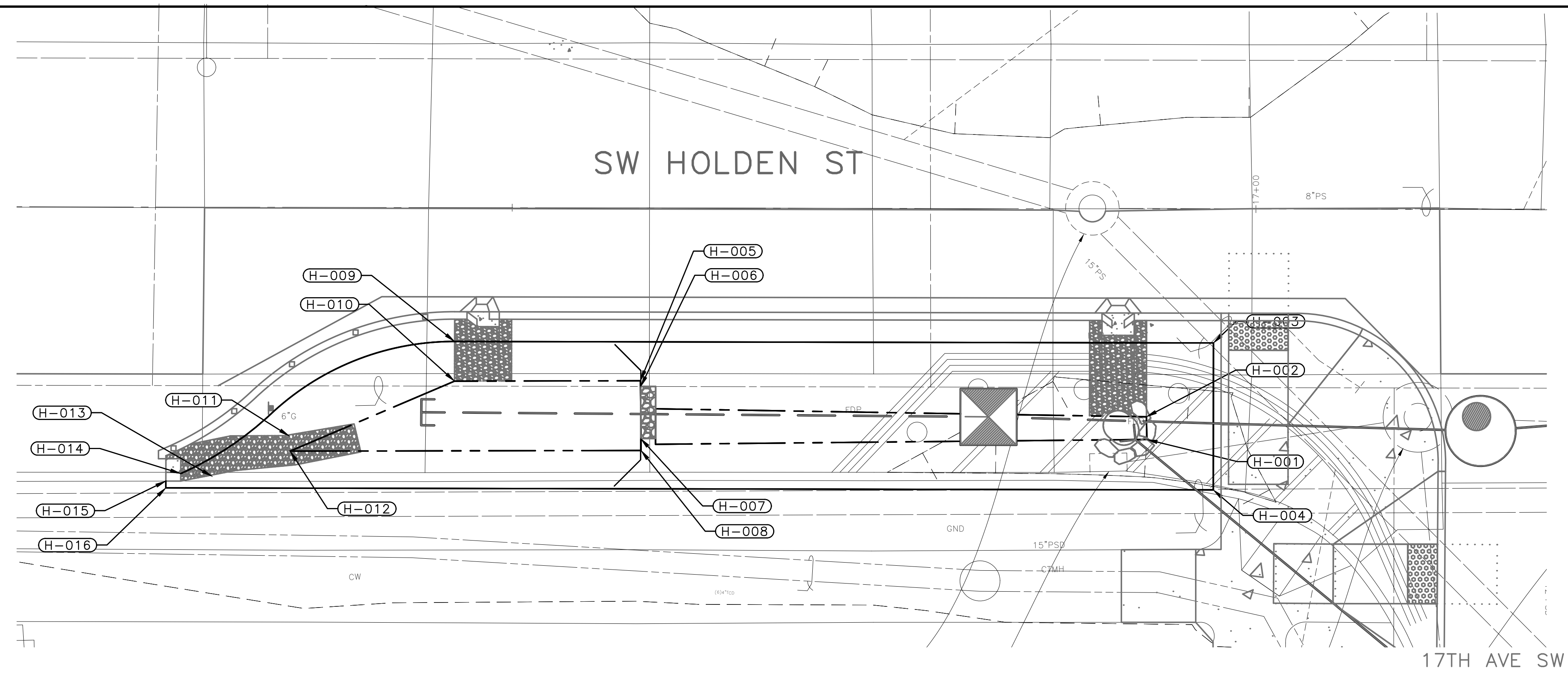
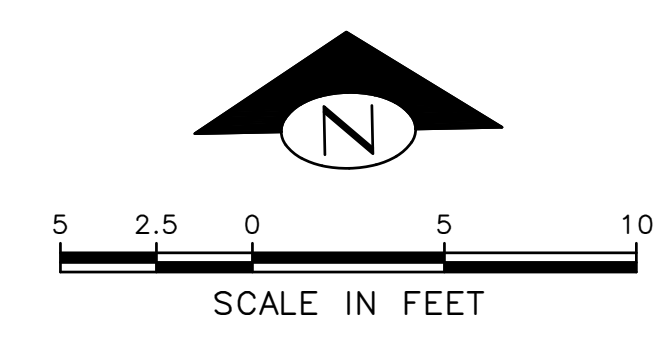
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CO	CO
VPI #	792-752
<b>CU205</b>	
SHEET	18 OF 36

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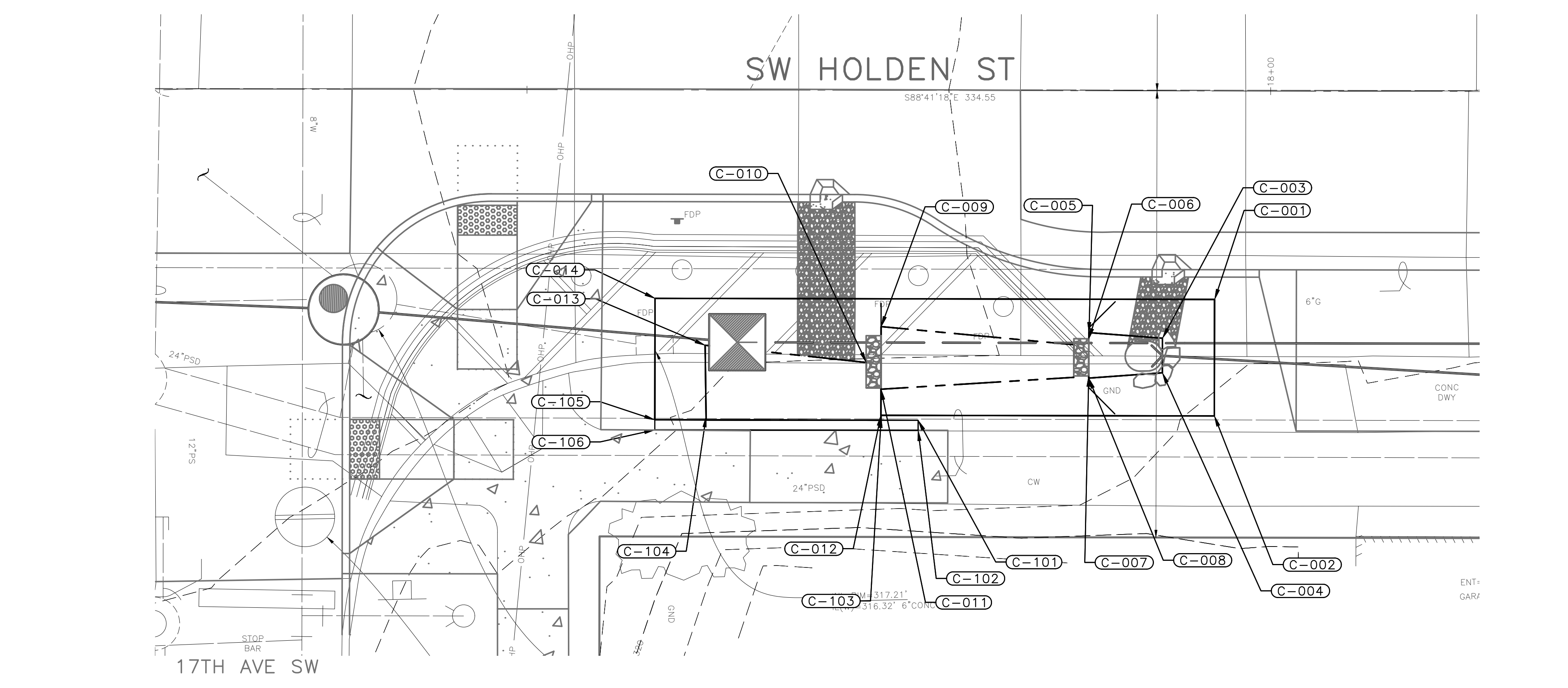
MADE	CHK'D	REV'D
NATURE	REVISIONS	
DATE	MARK	
Vault Serial #		
39274		





**GENERAL NOTES**

1. SEE SHEET 12 FOR STORM INFRASTRUCTURE AND GRADING.
2. SEE SHEETS 23, 29, AND 33 FOR ADDITIONAL GRADING AND RESTORATION INFORMATION OUTSIDE BIORETENTION AREAS.
3. START AND END CELL ELEVATIONS ARE TOP OF MULCH ELEVATION AT CENTERLINE OF BIORETENTION
4. SLOPE LABEL ARROWS POINT DOWN SLOPE
5. MODULAR SUBSURFACE SOIL CELL SYSTEM NOT SHOW FOR CLARITY
6. BIORETENTION WEIRS SHALL BE INSTALLED PERPENDICULAR TO ROADWAY CENTERLINE.
7. BIORETENTION WEIR TYPE A PER
8. BIORETENTION WEIR TYPE B PER
9. BIORETENTION BOTTOM AREA CROSS SLOPE (PERPENDICULAR TO ROADWAY CENTERLINE) IS ZERO (FLAT), TYPICAL



**WEIR TABLE**

WEIR	WEIR TYPE	NOTCH PLATE WIDTH	NOTCH CL STA, OFF	TOP OF NOTCH EL
H-1	A	8	STA 16+58.7, 13.9'RT	315.42
C-1	A	8	STA 17+73.84, 18.2'RT	318.04
C-2	B	7	STA 17+87.80, 17.9'RT	317.91

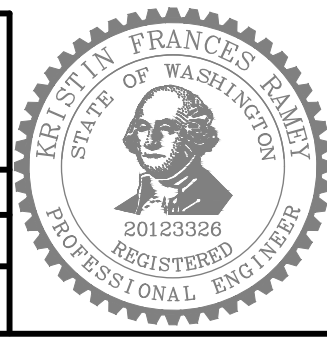
**BIORETENTION WALL CONTROL TABLE**

POINT	ELEV	STATION/OFFSET	DESCRIPTION
C-101	318.47'	STA 17+76.34, 22.16'RT	TOP OF WALL ELEV
C-102	318.48'	STA 17+76.34, 22.83'RT	TOP OF WALL ELEV
C-103	316.91'	STA 17+73.86, 21.96'RT	BOTTOM OF WALL ELEV
C-104	316.91'	STA 17+62.08, 21.94'RT	BOTTOM OF WALL ELEV
C-105	317.97'	STA 17+58.64, 22.16'RT	TOP OF WALL ELEV
C-106	317.96'	STA 17+58.64, 22.83'RT	TOP OF WALL ELEV

**60% SIP SUBMITTAL**

**BIORETENTION ENLARGEMENTS – SW HOLDEN ST (1 OF 2)**

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES		DESIGNED	REVIEWED:	DES.	CONST.
SEATTLE, WASHINGTON . . . . . 20		CHECKED	SDOT	SDOT	PROJ. MGR.
BY: . . . . .		DRAWN	RECEIVED		
PURCHASING AND CONTRACTING		CHECKED	REVISED AS BUILT		
ALL WORK SHALL BE 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**

ORDINANCE NO. . . . . PW NO. . . . .

SCALE: 1"=5'

**HOLDEN NDS**

JOB # PC C600855  
CO 792-752

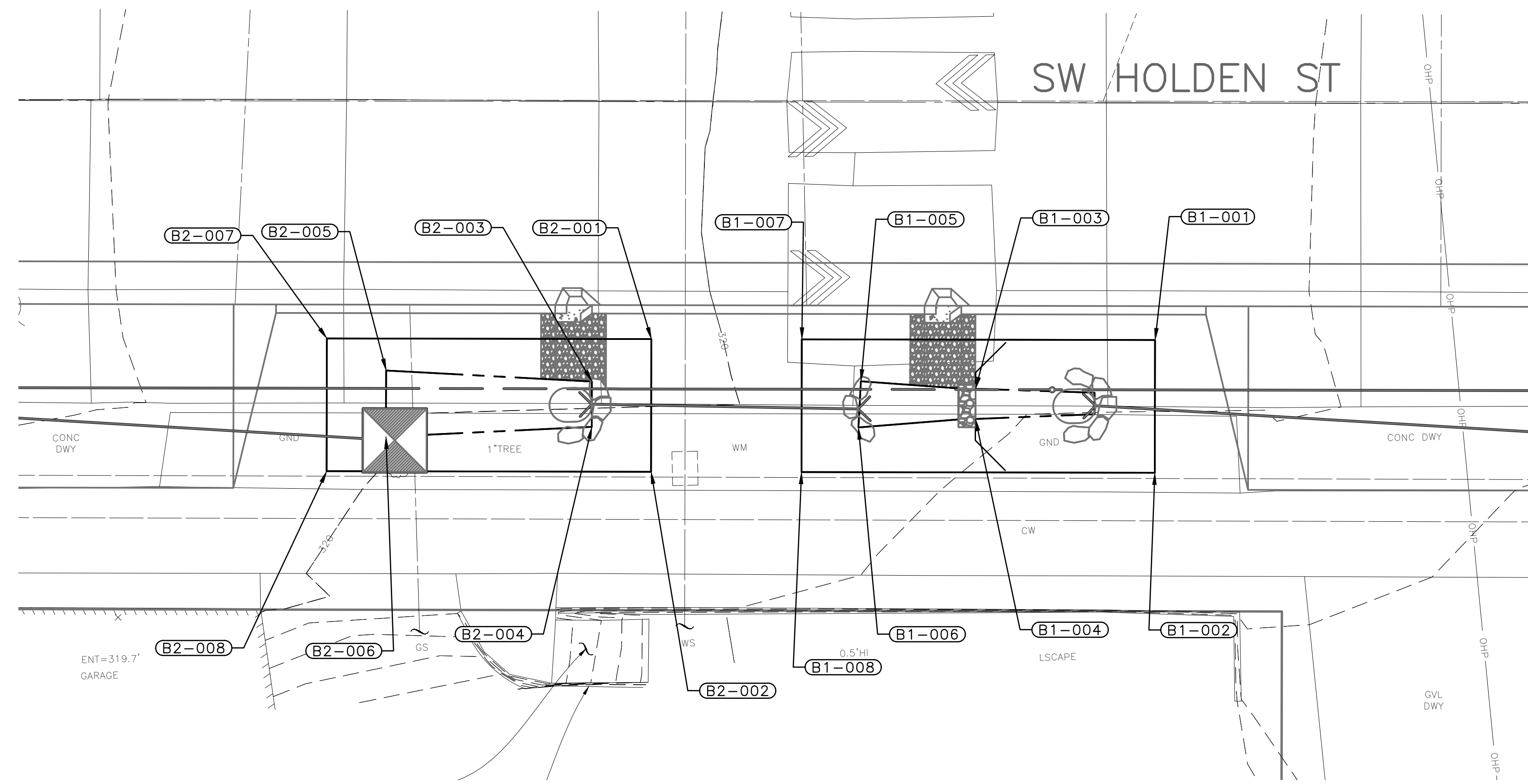
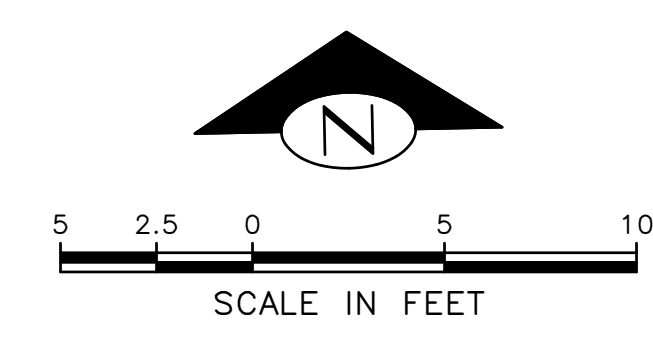
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SHEET 19 OF 36

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
39274							

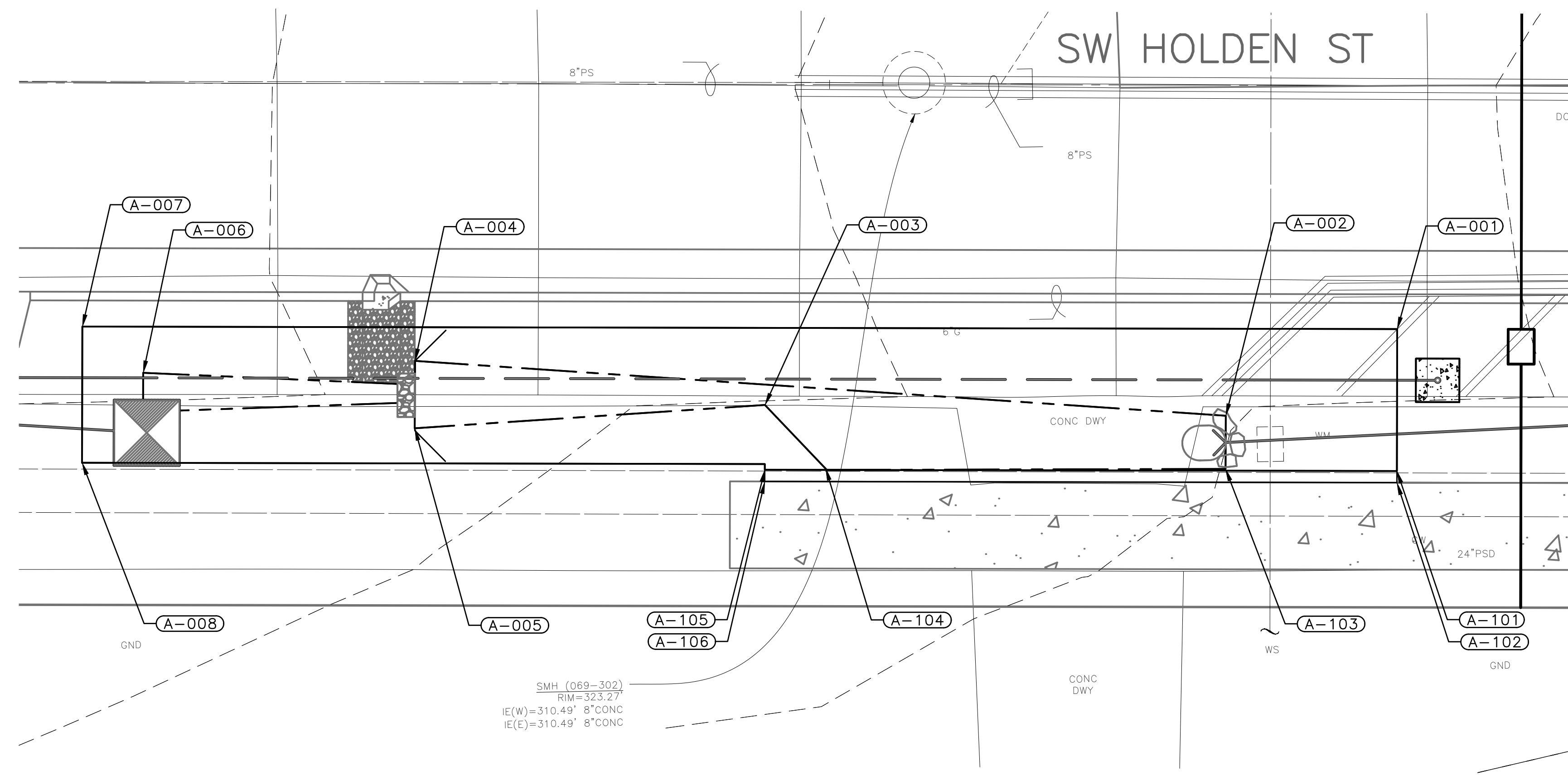
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**GENERAL NOTES**

1. SEE SHEET 13 FOR STORM INFRASTRUCTURE AND GRADING.
2. SEE SHEETS 24 AND 34 FOR ADDITIONAL GRADING AND RESTORATION INFORMATION OUTSIDE BIORETENTION AREAS.
3. START AND END CELL ELEVATIONS ARE TOP OF MULCH ELEVATION AT CENTERLINE OF BIORETENTION
4. SLOPE LABEL ARROWS POINT DOWN SLOPE
5. MODULAR SUBSURFACE SOIL CELL SYSTEM NOT SHOW FOR CLARITY
6. BIORETENTION WEIRS SHALL BE INSTALLED PERPENDICULAR TO ROADWAY CENTERLINE.
7. BIORETENTION WEIR TYPE A PER
8. BIORETENTION WEIR TYPE B PER
9. BIORETENTION BOTTOM AREA CROSS SLOPE (PERPENDICULAR TO ROADWAY CENTERLINE) IS ZERO (FLAT), TYPICAL



**WEIR TABLE**

WEIR	WEIR TYPE	NOTCH PLATE WIDTH	NOTCH CL STA, OFF	TOP OF NOTCH EL
A-1	A	8	STA 16+58.7, 13.9'RT	321.97
B-1	A	8	STA 18+65.51, 17.9'RT	320.04

**BIORETENTION WALL CONTROL TABLE**

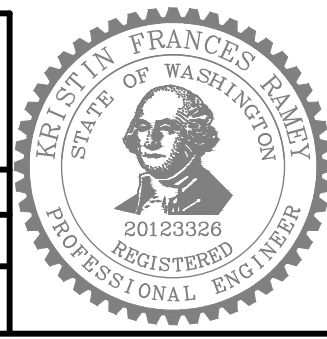
POINT	ELEV	STATION/OFFSET	DESCRIPTION
A-101	324.36'	STA 19+82.65, 22.16'RT	TOP OF WALL ELEV
A-102	324.36'	STA 19+82.65, 22.83'RT	TOP OF WALL ELEV
A-103	321.91'	STA 19+72.80, 22.06'RT	BOTTOM OF WALL ELEV
A-104	321.91'	STA 19+49.82, 22.06'RT	BOTTOM OF WALL ELEV
A-105	323.37'	STA 19+46.32, 22.16'RT	TOP OF WALL ELEV
A-106	323.37'	STA 19+46.32, 22.83'RT	TOP OF WALL ELEV

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
39274							

**60% SIP SUBMITTAL**

**BIORETENTION ENLARGEMENTS – SW HOLDEN ST (2 OF 2)**

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES		DESIGNED	CHECKED	REVIEWED:	CONST.
SEATTLE, WASHINGTON . . . . . 20		DRAWN	CHECKED	SDOT	PROJ. MGR.
BY: . . . . .		RECEIVED		REVISED AS BUILT	
PURCHASING AND CONTRACTING		ALL WORK SHALL BE 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**

ORDINANCE NO. . . . . PW NO. . . . .

SCALE: 1"=5'

**HOLDEN NDS**

JOB: PC C600855  
CO: . . . . .

VPI # 792-752

**CU207**

SHEET 20 OF 36

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BIORETENTION GRADING CONTROL TABLE			
POINT	ELEV	STATION/OFFSET	DESCRIPTION
A-001	324.17'	STA 19+82.65, 14.00'RT	-
A-002	321.91'	STA 19+72.81, 19.01'RT	-
A-003	321.91'	STA 19+46.33, 18.44'RT	-
A-004	321.87'	STA 19+26.21, 15.94'RT	-
A-005	321.91'	STA 19+26.21, 19.82'RT	-
A-006	321.45'	STA 19+10.59, 16.66'RT	-
A-007	321.86'	STA 19+07.09, 14.00'RT	-
A-008	321.93'	STA 19+07.09, 21.83'RT	-

BIORETENTION GRADING CONTROL TABLE			
POINT	ELEV	STATION/OFFSET	DESCRIPTION
B1-001	321.16'	STA 18+76.09, 14.00'RT	-
B1-002	321.29'	STA 18+76.09, 21.83'RT	-
B1-003	319.70'	STA 18+65.51, 16.90'RT	-
B1-004	319.70'	STA 18+65.51, 18.68'RT	-
B1-005	319.68'	STA 18+58.75, 16.47'RT	-
B1-006	319.68'	STA 18+58.61, 19.19'RT	-
B1-007	320.57'	STA 18+55.26, 14.00'RT	-
B1-008	320.63'	STA 18+55.26, 21.83'RT	-

BIORETENTION GRADING CONTROL TABLE			
POINT	ELEV	STATION/OFFSET	DESCRIPTION
B2-001	320.28'	STA 18+46.39, 14.00'RT	-
B2-002	320.37'	STA 18+46.39, 21.83'RT	-
B2-003	319.22'	STA 18+42.89, 16.52'RT	-
B2-004	319.22'	STA 18+42.89, 19.19'RT	-
B2-005	319.09'	STA 18+30.76, 15.89'RT	-
B2-006	319.12'	STA 18+30.75, 19.79'RT	-
B2-007	319.77'	STA 18+27.26, 14.00'RT	-
B2-008	319.84'	STA 18+27.26, 21.83'RT	-

BIORETENTION GRADING CONTROL TABLE			
POINT	ELEV	STATION/OFFSET	DESCRIPTION
C-001	318.86'	STA 17+96.26, 14.00'RT	-
C-002	318.97'	STA 17+96.26, 21.83'RT	-
C-003	317.71'	STA 17+92.76, 16.62'RT	-
C-004	317.71'	STA 17+92.76, 18.94'RT	-
C-005	317.71'	STA 17+87.81, 16.25'RT	-
C-006	317.69'	STA 17+87.81, 16.66'RT	-
C-007	317.71'	STA 17+87.80, 19.16'RT	-
C-008	317.71'	STA 17+87.81, 19.31'RT	-
C-009	317.55'	STA 17+73.84, 15.87'RT	-
C-010	317.05'	STA 17+72.85, 18.29'RT	-
C-011	317.35'	STA 17+73.84, 20.08'RT	-
C-012	316.93'	STA 17+73.84, 21.83'RT	-
C-013	317.00'	STA 17+62.01, 17.15'RT	-
C-014	317.88'	STA 17+58.64, 14.00'RT	-

BIORETENTION GRADING CONTROL TABLE			
POINT	ELEV	STATION/OFFSET	DESCRIPTION
H-001	314.97'	STA 16+92.70, 15.50'RT	-
H-002	314.96'	STA 16+92.67, 13.97'RT	-
H-003	316.39'	STA 16+97.16, 9.00'RT	-
H-004	316.52'	STA 16+97.17, 18.88'RT	-
H-005	315.61'	STA 16+58.65, 11.62'RT	-
H-006	315.53'	STA 16+58.67, 12.00'RT	-
H-007	315.42'	STA 16+58.67, 15.50'RT	-
H-008	315.55'	STA 16+58.70, 16.30'RT	-
H-009	316.74'	STA 16+46.14, 9.00'RT	-
H-010	315.70'	STA 16+46.15, 11.67'RT	-
H-011	316.00'	STA 16+35.04, 15.37'RT	-
H-012	315.72'	STA 16+35.10, 16.39'RT	-
H-013	316.00'	STA 16+29.86, 18.09'RT	-
H-014	316.16'	STA 16+27.75, 17.91'RT	-

BIORETENTION GRADING CONTROL TABLE			
POINT	ELEV	STATION/OFFSET	DESCRIPTION
H-015	316.88'	STA 16+26.75, 18.42'RT	-
H-016	316.58'	STA 16+26.75, 18.88'RT	-

DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

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**60% SIP SUBMITTAL**

**BIORETENTION GRADING CONTROL TABLES**

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . . .	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES.                    CONST. SDOT                  PROJ. MGR. RECEIVED REVISED AS BUILT
BY: . . . . . PURCHASING AND CONTRACTING	ALL WORK SHALL BE 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.	



	ORDINANCE NO. _____	PW NO. _____
SCALE: NONE		

<b>HOLDEN NDS</b>	
JOB #	PC C600855
CO	CO
VPI #	792-752
<b>CU208</b>	
SHEET	21 OF 36

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# PROPOSED LEGEND FOR CIVIL PAVING PLAN SHEETS (CPXXX SERIES)

**NOTE:**

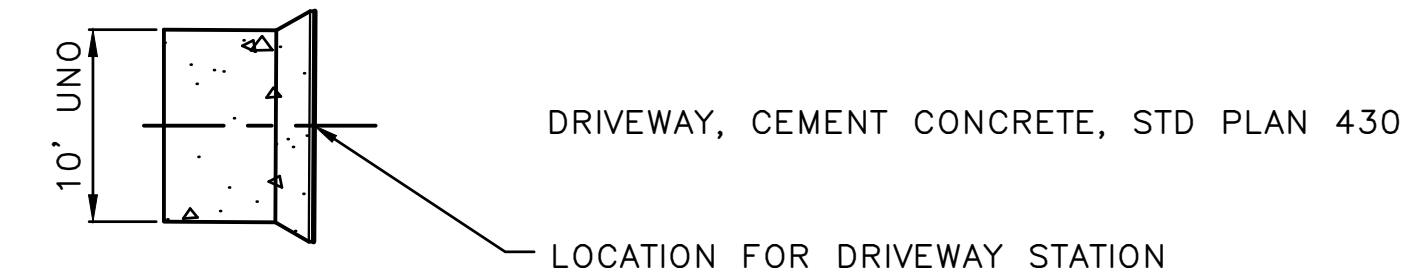
1. FOR ADDITIONAL LEGEND INFORMATION, SEE COS STD PLANS (003 SERIES) FOR EXISTING AND PROPOSED STANDARD SYMBOLS AND LEGEND



DRAIN CURB CUT TYPE 1



DRAIN CURB CUT TYPE 3



DRIVEWAY, CEMENT CONCRETE, STD PLAN 430  
LOCATION FOR DRIVEWAY STATION

ROADWAY CEM CONC OVER 6" MNRL AGG TYPE 2 PER STD PLAN 402A

CEM CONC SIDEWALK W/ 25% POZZOLANS, PER STD PLAN 420

6" MNRL AGG TYPE 2

CURB RAMPS, TYPES VARY. SEE CURB RAMP SHEETS

TYPE 410C CURB

# ABBREVIATIONS LEGEND

**NOTE:**

1. FOR ADDITIONAL ABBREVIATIONS INFORMATION, SEE COS STD PLANS (002 SERIES)

- BOC XXX.X      BACK OF CURB ELEVATION
- BOW XXX.X      BACK OF WALK ELEVATION
- BRC              BIORETENTION CELL
- CRZ              CRITICAL ROOT ZONE OF TREE AS DETERMINED BY ARBORIST WHICH DIFFERS FROM ZONE B DEFINED IN STD PLAN 133.
- TOC              TOP OF CURB
- UNO              UNLESS NOTED OTHERWISE

# SIGNAGE LEGEND

- OM-3R      OBJECT MARKER      INSTALL
- R7-NP      NO PARKING
- TS-5        5-FOOT SIGN POST PER STD PLAN 625
- TS-10      10-FOOT SIGN POST PER STD PLAN NO 625

# CONSTRUCTION NOTES FOR CIVIL PAVING SHEETS

\* NOTE ALL DEPTHS FOR PAVEMENT AND MNRL AGG ARE COMPACTED DEPTHS.

1      INSTALL CURB CEMENT CONCRETE, W/ 25% POZZOLANS, STD PLAN 410B.

2      INSTALL MODIFIED TYPE 410C CURB. CEMENT CONCRETE, W/ 25% POZZOLANS, SEE DETAIL 1 ON SHEET 20.

3      MATCH EXISTING CONCRETE JOINT.

4      DRAIN CURB CUT TYPE 1 WITH DIMENSIONS PER STD PLAN 295B.

5      DRAIN CURB CUT TYPE 1 MODIFIED, SEE DETAIL 3 SHEET 28.

6      DRAIN CURB CUT TYPE 3 WITH DIMENSIONS PER STD PLAN 295D.

7      MATCH EXISTING SIDEWALK

8      DRIVEWAY, CEMENT CONCRETE, 6", STD PLAN 430A.

10      INSTALL SPEED HUMP, STD PLAN 436B.

11      INSTALL NO PARKING SIGN, STD PLAN 621A AND 621B.

12      INSTALL OBJECT MARKER, STD PLAN 621A AND 621B.

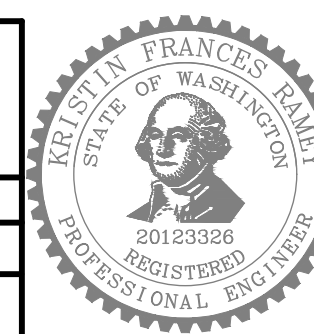
13      INSTALL LANE MARKER TYPE 2A, STD PLAN 700.

14      CONTRACTOR TO COORDINATE REROUTE AND RECONNECTION OF GAS MAIN WITH PUGET SOUND ENERGY (PSE)

**60% SIP SUBMITTAL**

CIVIL PAVING LEGEND AND NOTES

APPROVED FOR ADVERTISING DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON ..... 20 .....	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES.                      CONST. SDOT                     PROJ. MGR. RECEIVED REVISED AS BUILT	BY: ..... PURCHASING AND CONTRACTING
ALL WORK SHALL BE 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**

ORDINANCE NO.                      PW NO.

SCALE: NONE

HOLDEN NDS	JOB: PC C600855 CO VPI # 792-752 <b>CP001</b> SHEET 22 OF 36
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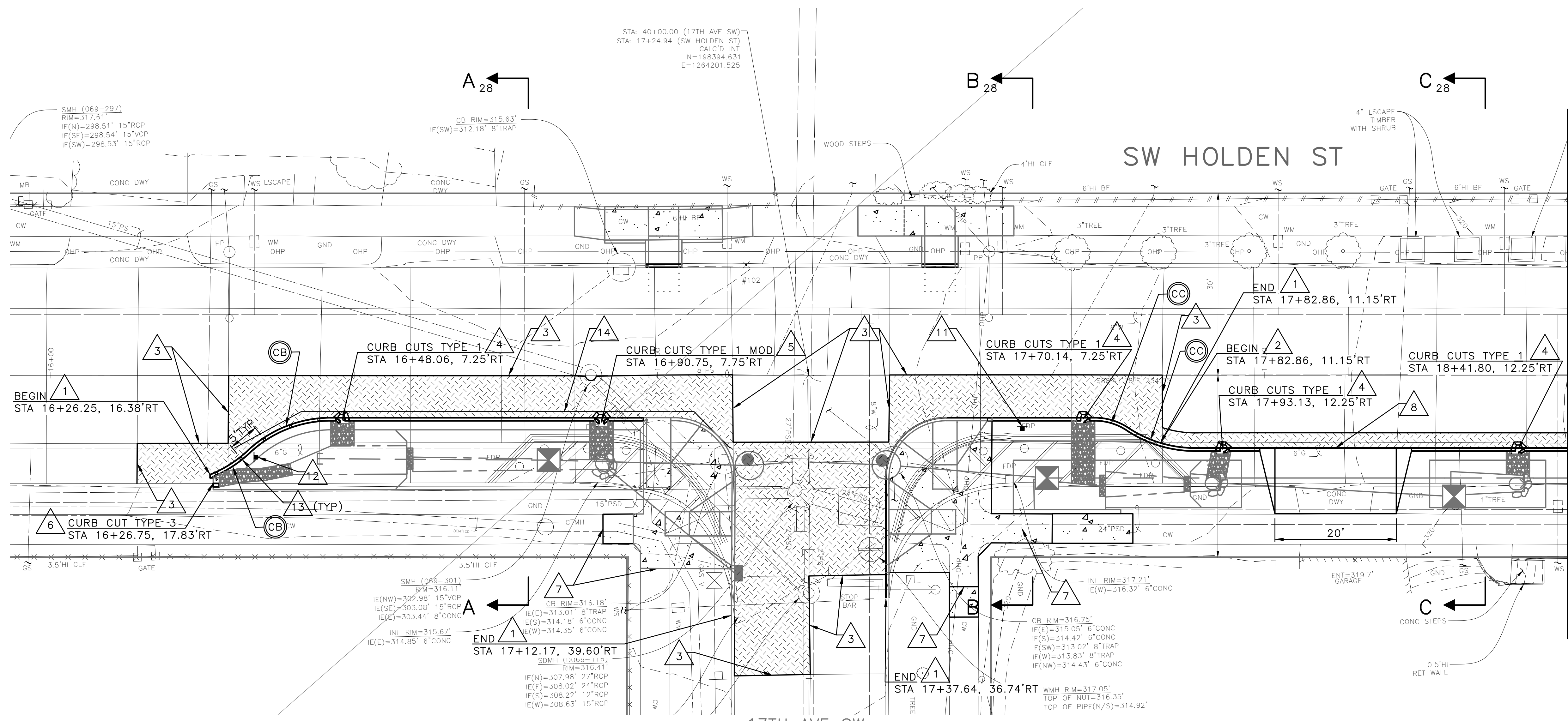
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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
39274							



MATCH LINE STA 18+50 - SEE SHEET 24



**CURB RETURN**

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
CA	PC	16+18.79	17.83'RT	316.45	$\Delta=43'8'25''$ $L=15.06'$ $R=20.00'$ $T=7.91'$
	1/2	16+26.14	16.42'RT	316.40	
	PRC	16+32.46	12.41'RT	316.39	
CB	1/2	16+38.79	8.40'RT	316.40	$\Delta=43'10'18''$ $L=15.07'$ $R=20.00'$ $T=7.91'$
	PT	16+46.14	7.00'RT	316.35	

**CURB RETURN**

NO.	POINT	STATION	OFFSET	FL ELEV	GEOMETRY
CC	PC	17+72.05	7.00'RT	317.80	$\Delta=43'8'25''$ $L=15.06'$ $R=20.00'$ $T=7.91'$
	1/2	17+74.94	7.43'RT	317.88	
	PRC	17+77.58	8.67'RT	317.95	
CD	1/2	17+82.86	11.15'RT	318.09	$\Delta=43'10'18''$ $L=15.07'$ $R=20.00'$ $T=7.91'$
	PT	17+88.64	12.00'RT	318.25	

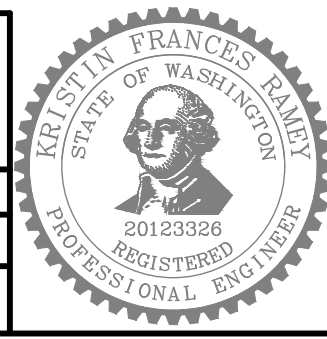
**NOTES:**

- SEE SHEETS 2-4 FOR NOTES AND SHEET KEY MAPS.
- SEE SHEET 22 FOR LEGEND AND CONSTRUCTION NOTES.
- SEE SHEETS XX FOR ROADWAY PROFILES.
- SEE SHEETS 27-28 FOR RESTORATION DETAILS AND SECTIONS.
- SEE SHEETS 29-31 FOR CURB RAMP DETAILS.
- SEE SHEETS 33-34 FOR LANDSCAPE PLANS.
- SEE SHEETS 12-13 FOR STORM DRAIN PLANS.
- SEE SHEETS 19-21 FOR BIORETENTION CELL STATIONING AND GRADING.
- SEE SHEET 32 FOR LANDSCAPE SCHEDULE AND SHEET 36 FOR TREE PROTECTION DETAILS AND NOTES. PROVIDE TREE PROTECTION PER SECTION 8.01.3(2). SDOT URBAN FORESTER TO BE ON SITE FOR ALL EXPLORATORY EXCAVATION WHEN WORK IS PERFORMED IN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES.

**60% SIP SUBMITTAL**

**RESTORATION PLAN - SW HOLDEN ST (1 OF 2)**

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20		DESIGNED	CHECKED	REVIEWED:	
BY: . . . . . PURCHASING AND CONTRACTING		DRAWN	CHECKED	SDOT	CONST. PROJ. MGR.
				RECEIVED	
				REVISED AS BUILT	



**Seattle Public Utilities**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: 1"=10'

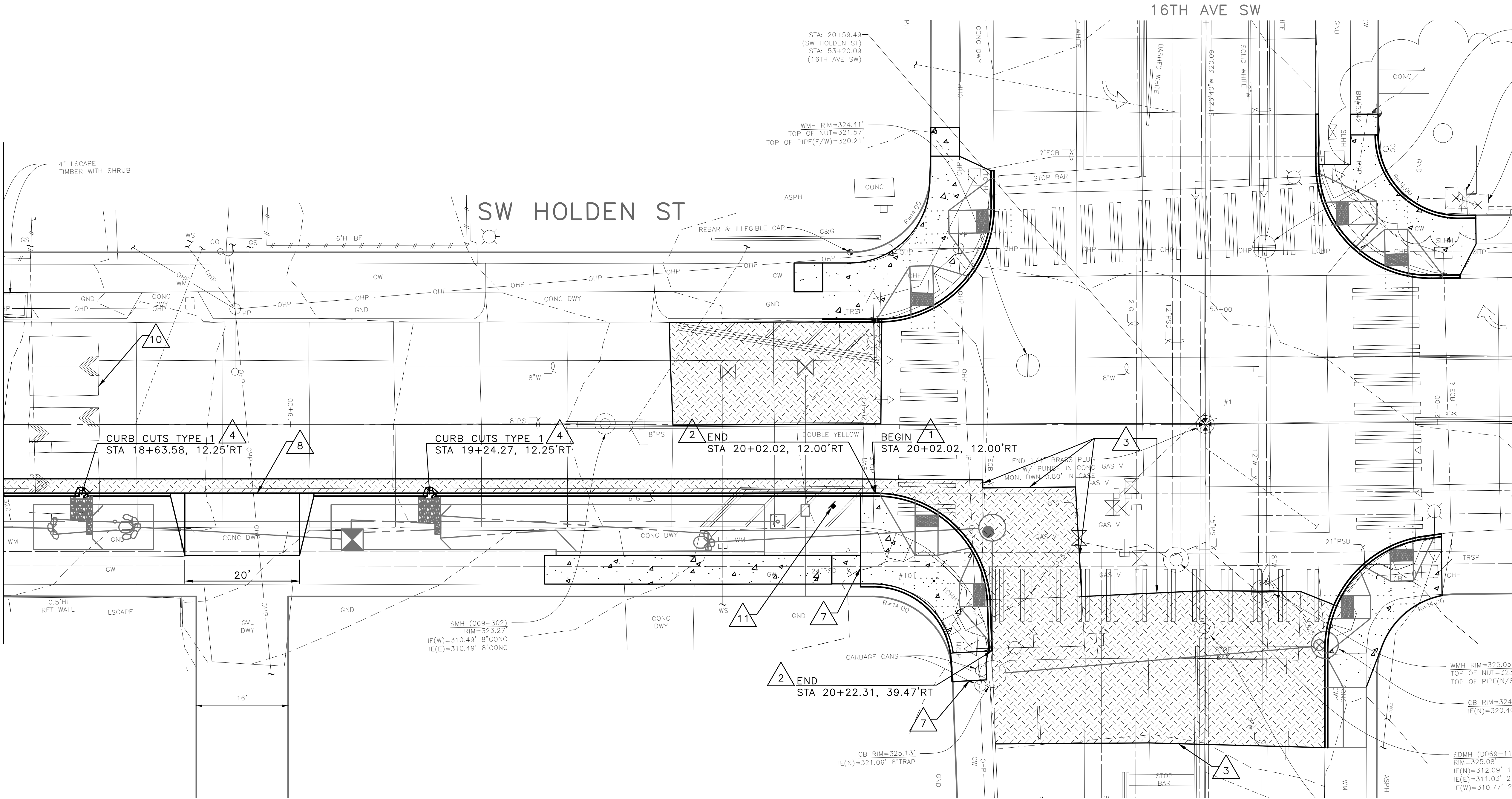
HOLDEN NDS		JOB NO.	PC C600855
		VPI #	792-752
		CP101	
		SHEET 23 OF 36	

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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
39274							

MATCH LINE STA 18+50 -- SEE SHEET 23



- NOTES:**
1. SEE SHEETS 2-4 FOR NOTES AND SHEET KEY MAPS.
  2. SEE SHEET 22 FOR LEGEND AND CONSTRUCTION NOTES.
  3. SEE SHEETS XX FOR ROADWAY PROFILES.
  4. SEE SHEETS 27-28 FOR RESTORATION DETAILS AND SECTIONS.
  5. SEE SHEETS 29-31 FOR CURB RAMP DETAILS.
  6. SEE SHEETS 33-34 FOR LANDSCAPE PLANS.
  7. SEE SHEETS 12-13 FOR STORM DRAIN PLANS.
  8. SEE SHEETS 19-21 FOR BIORETENTION CELL STATIONING AND GRADING.
  9. SEE SHEET 32 FOR LANDSCAPE SCHEDULE AND SHEET 36 FOR TREE PROTECTION DETAILS AND NOTES. PROVIDE TREE PROTECTION PER SECTION 8.01.3(2). SDOT URBAN FORESTER TO BE ON SITE FOR ALL EXPLORATORY EXCAVATION WHEN WORK IS PERFORMED IN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES.

**60% SIP SUBMITTAL**

RESTORATION PLAN - SW HOLDEN ST (2 OF 2)

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . . .		DESIGNED CHECKED		REVIEWED: DES. CONST. SDOT PROJ. MGR.	
BY: . . . . .		DRAWN CHECKED		RECEIVED	REVISED AS BUILT
PURCHASING AND CONTRACTING		ALL WORK SHALL BE 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**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: H. 1"=10', V. 1"=5'

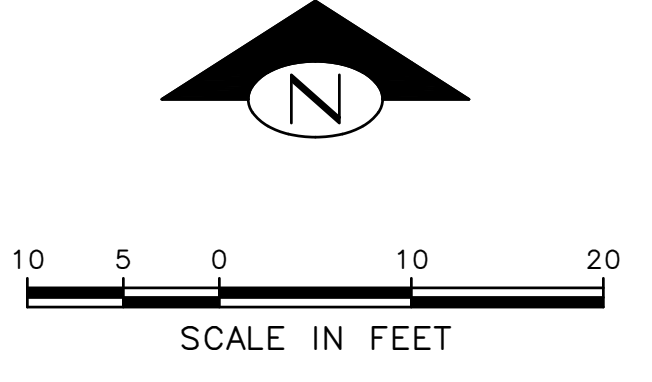
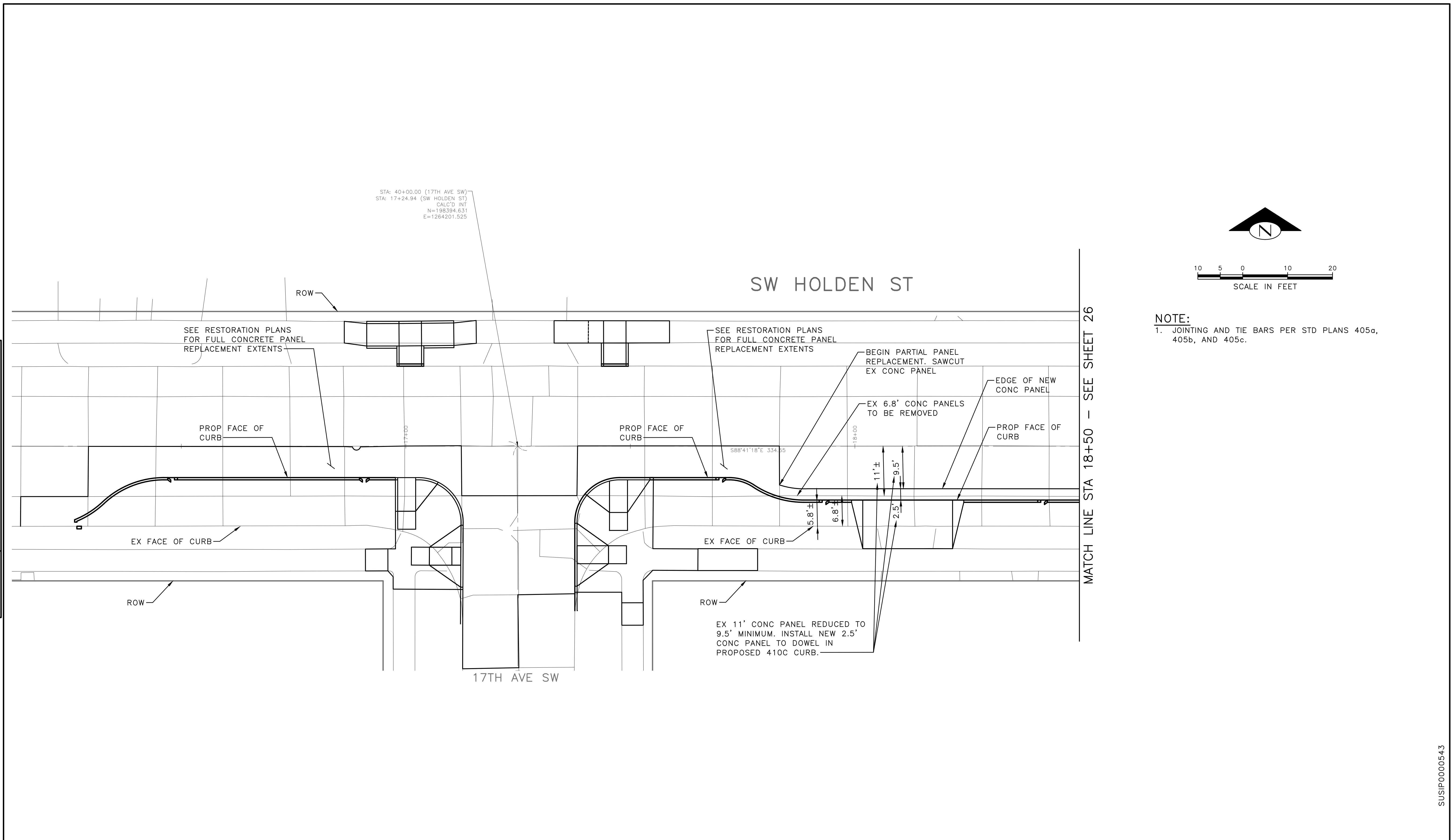
JOB	PC C600855
CO	
VPI #	792-752
<b>CP102</b>	
SHEET	24 OF 36

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VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
	39274							



**NOTE:**  
 1. JOINTING AND TIE BARS PER STD PLANS 405a, 405b, AND 405c.

**60% SIP SUBMITTAL**

JOINTING PLAN (1 OF 2)

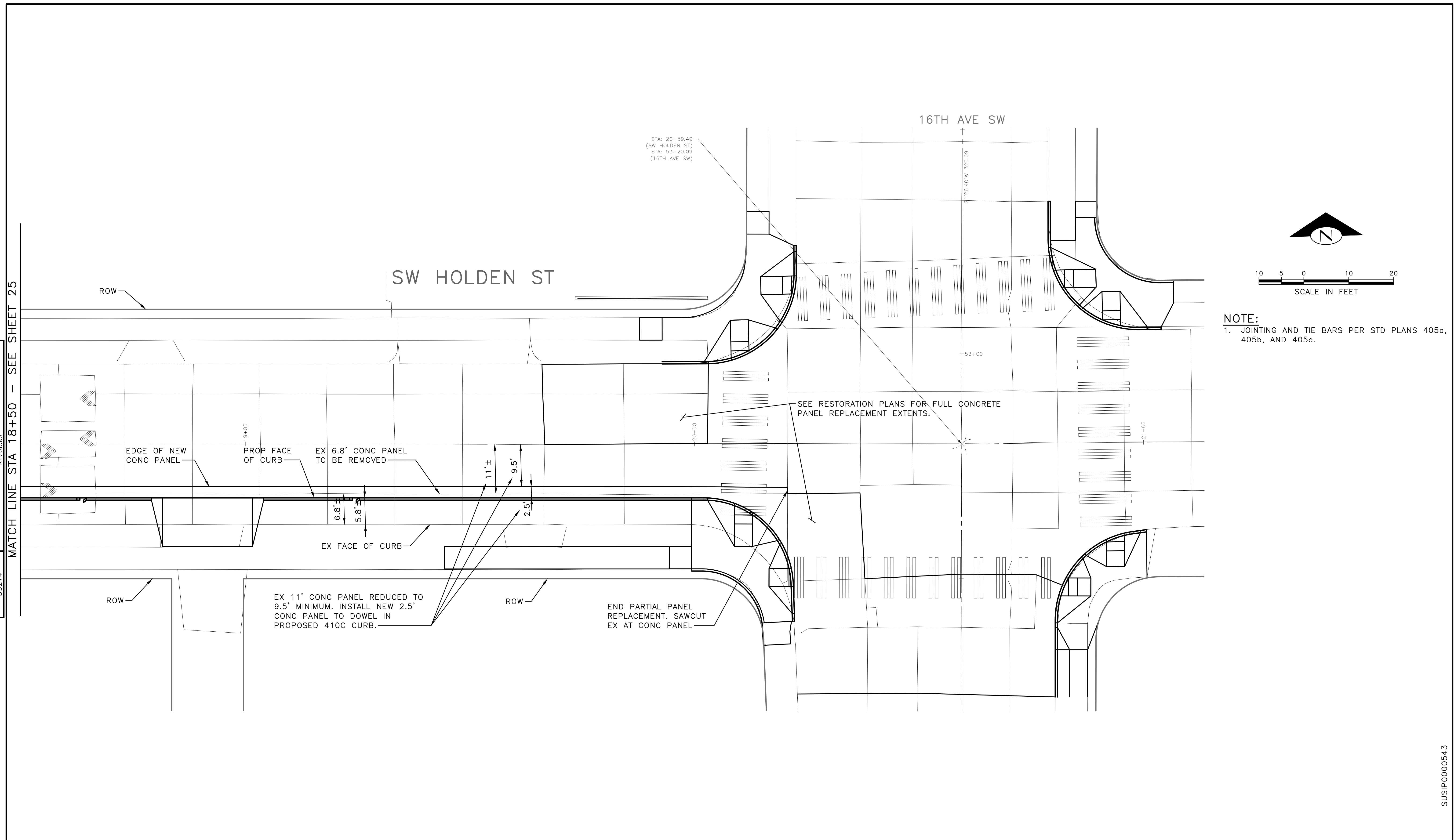
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	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.						VPI #    792-752 CP103 SHEET 25 OF 36

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MATCH LINE STA 18+50 -- SEE SHEET 25

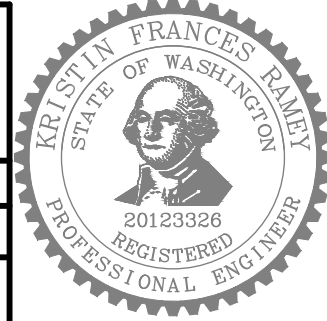
VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
	39274							



**60% SIP SUBMITTAL**

JOINTING PLAN (2 OF 2)

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES		DESIGNED	REVIEWED:	DES.	CONST.
SEATTLE, WASHINGTON . . . . . 20 . . . . .		CHECKED	SDOT	SDOT	PROJ. MGR.
BY: . . . . .		DRAWN	RECEIVED		
PURCHASING AND CONTRACTING		CHECKED	REVISED AS BUILT		
ALL WORK SHALL BE 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.					



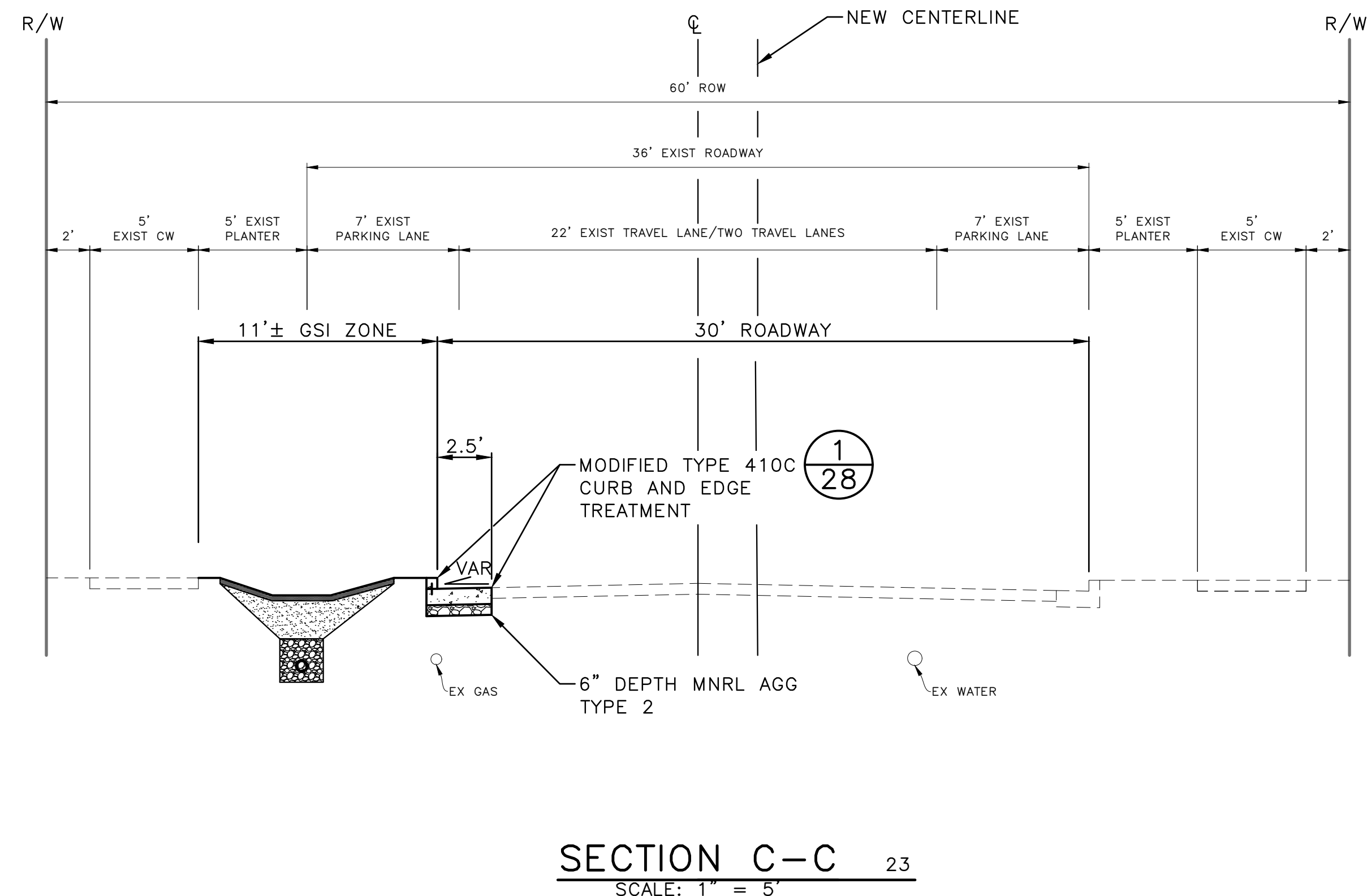
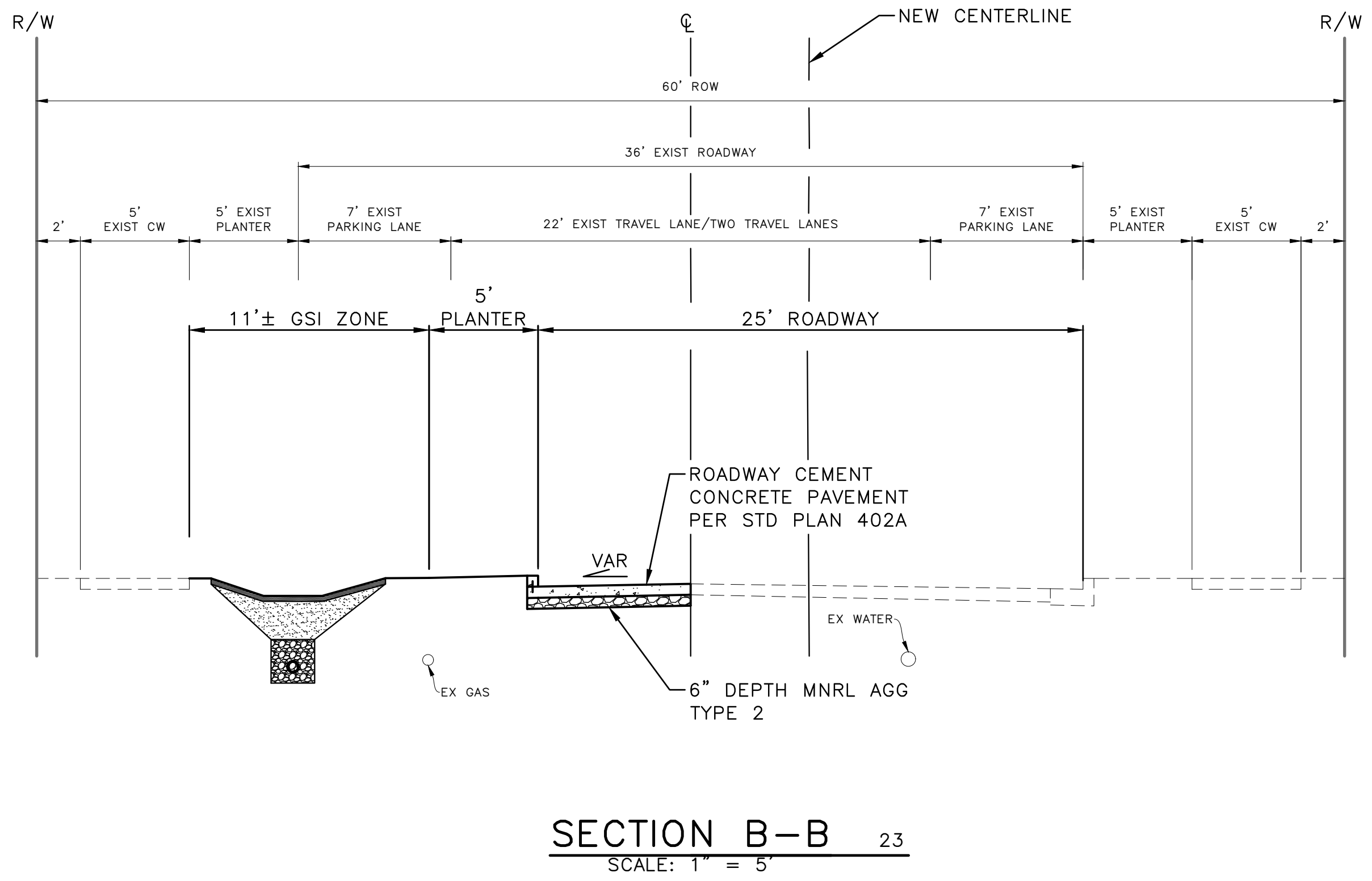
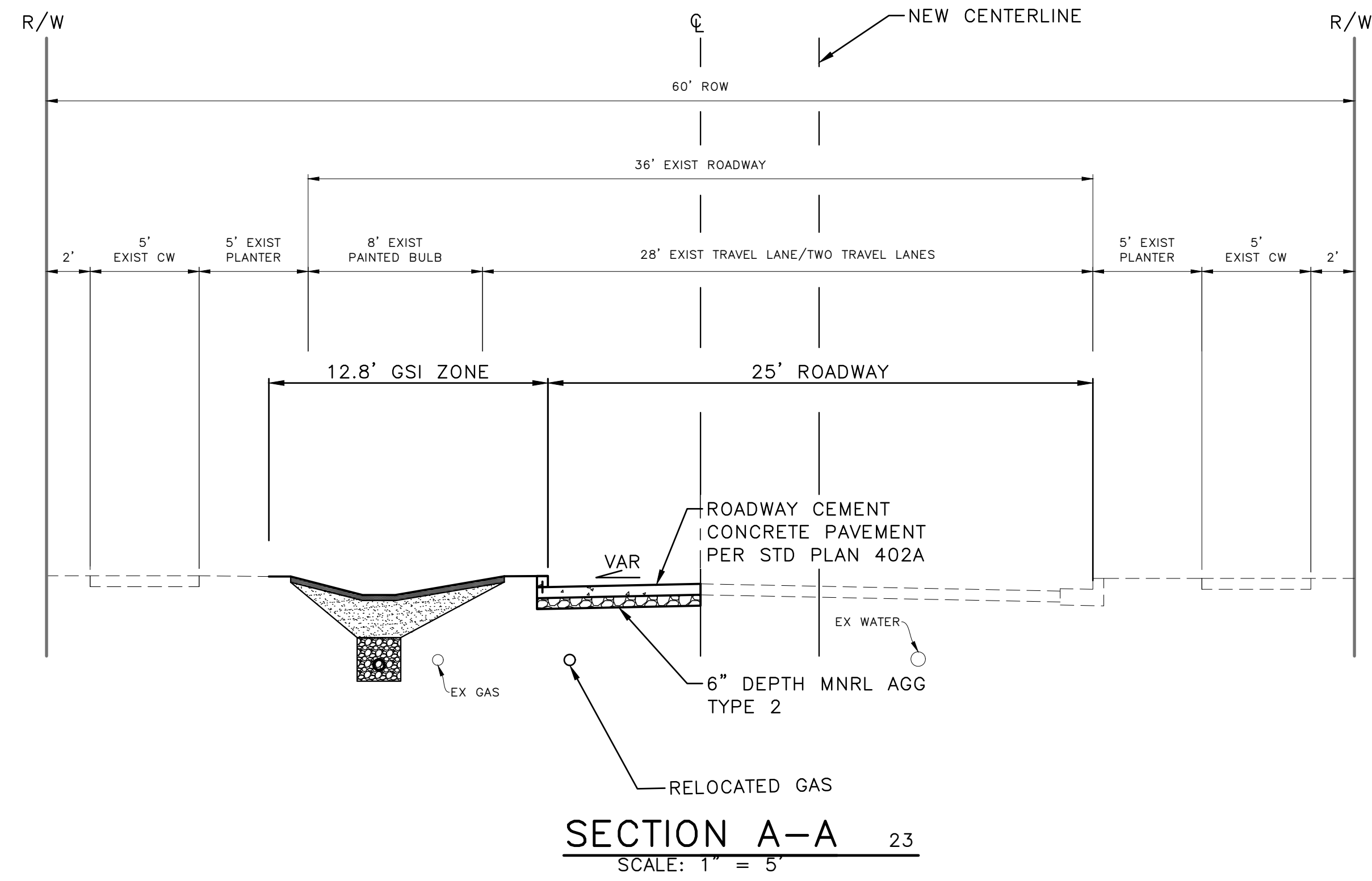
**Seattle Public Utilities**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: 1"=10'

HOLDEN NDS		JOB	PC C600855
		CO	CO
		VPI #	792-752
		CP104	
		SHEET	26 OF 36

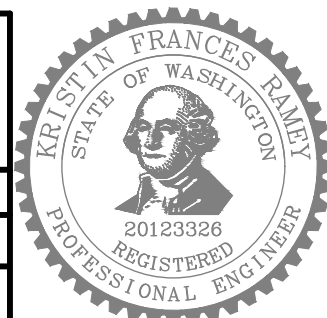
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**60% SIP SUBMITTAL**

**RESTORATION SECTIONS**

APPROVED FOR ADVERTISING		INITIALS AND DATE		INITIALS AND DATE	
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES		DESIGNED	REVIEWED:	DES.	CONST.
SEATTLE, WASHINGTON . . . . . 20 . . . . .		CHECKED	SDOT	SDOT	PROJ. MGR.
BY: . . . . .		DRAWN	RECEIVED		
PURCHASING AND CONTRACTING		CHECKED	REVISED AS BUILT		



**Seattle Public Utilities**

ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_

SCALE: AS NOTED

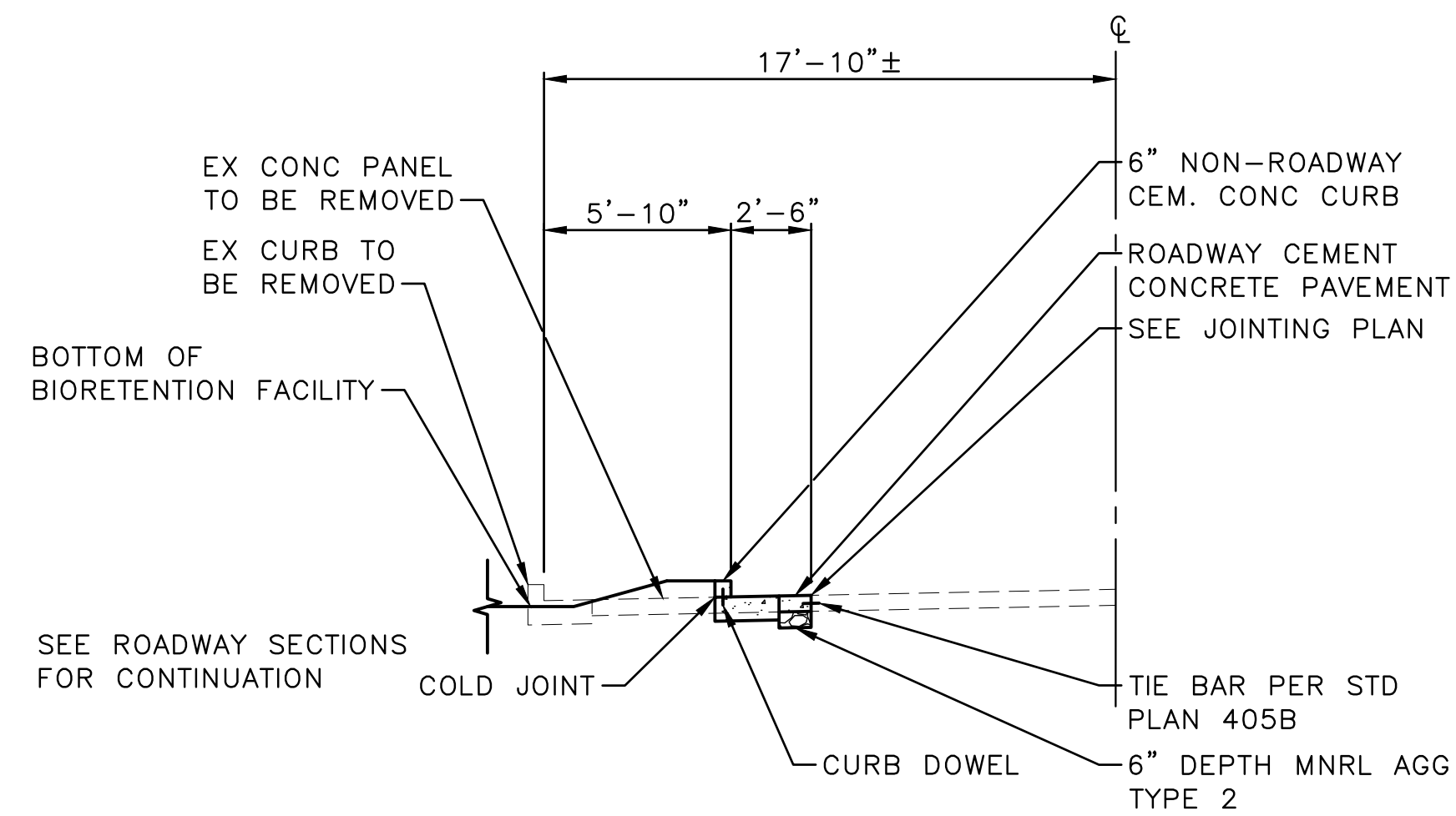
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		CO	CO
		VPI #	792-752
		CP201	
		SHEET	27 OF 36

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS
39274				

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MODIFIED TYPE 410C CURB 1  
NTS

DETAIL TO BE UPDATED AT 90%

DRAIN CURB CUT TYPE 1 MODIFIED 3  
NTS

DETAIL TO BE UPDATED AT 90%

CURB REFLECTIVE PAVEMENT MARKER LAYOUT 2  
NTS

**60% SIP SUBMITTAL**

**RESTORATION DETAILS**

APPROVED FOR ADVERTISING	INITIALS AND DATE	INITIALS AND DATE
DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON . . . . . 20 . . . . .	DESIGNED CHECKED	REVIEWED: DES.                    CONST. SDOT                  PROJ. MGR.
BY: . . . . .	DRAWN CHECKED	RECEIVED REVISED AS BUILT
PURCHASING AND CONTRACTING	ALL WORK SHALL BE 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**

ORDINANCE NO.                    PW NO.

SCALE: AS NOTED

**HOLDEN NDS**

JOB	PC C600855
CO	CO
VPI #	792-752
<b>CP202</b>	
SHEET	28 OF 36

VAULT SERIAL #	39274
DATE	MARK
NATURE	REVISIONS
MADE	CHK'D
REV'D	REV'D

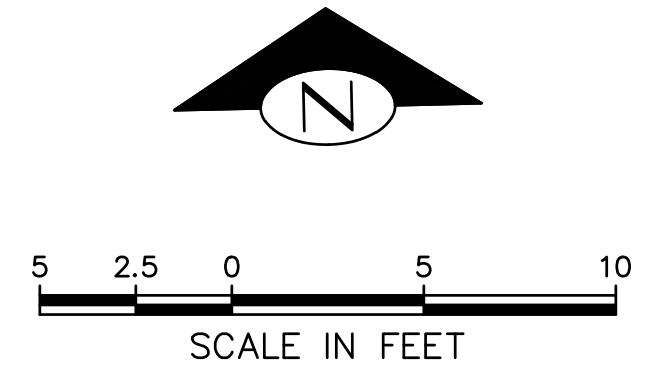
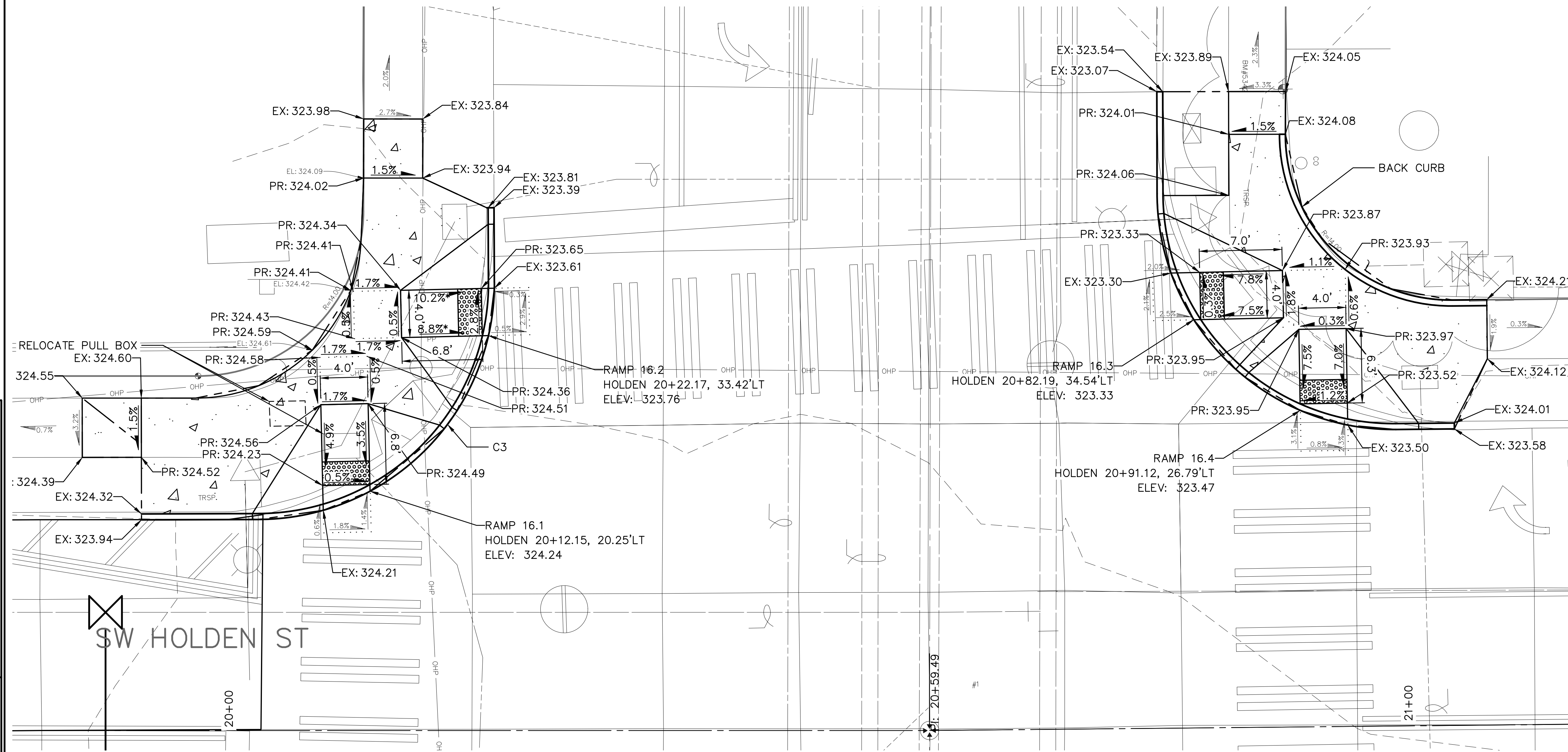
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16TH AVE SW



- MEF CODES**
- \*1. RIGHT-OF-WAY AVAILABILITY
  - \*2. ROADWAY STRUCTURAL CONSTRAINT; WALL, AREAWAY, OR BRIDGE
  - \*3. ADJACENT DEVELOPED FACILITY
  - \*4. DRAINAGE
  - \*5. HISTORIC FEATURE
  - \*6. EXISTING ROAD/SIDEWALK SLOPES
  - \*7. EXISTING UTILITY VAULT OR UTILITY STRUCTURE
  - \*8. (OTHER), DESCRIBE, ADD ANNOTATION

- LEGEND**
- GRADE BREAK
  - LANDING

RAMP CODE	STD PLAN	MEF CODE
16.1	422d	-
16.2	422d	*1, *6
16.3	422d	-
16.4	422d	-

- RAMP NOTES**
1. ALL UPPER LANDINGS ARE 4'X4' AND  $\leq$  2% IN ANY DIRECTION AND MATCH EXISTING GRADE, UNLESS OTHERWISE NOTED.
  2. ALL WINGS ARE 10:1 SLOPE OR LESS UNLESS OTHERWISE NOTED.
  3. ALL RAMP SLOPES ARE  $\leq$  8.3% AND  $\leq$  15' LONG UNLESS OTHERWISE NOTED.

CURB RETURN TABLE

CURB RETURN NO.	POINT	STATION	OFFSET	ELEVATION AT FLOW-LINE	CURVE GEOMETRY
C3	RADIUS POINT	STA 20+02.67	37.85' LT	N/A	$\Delta = 90.05$ $R = 20.00$ $T = 20.02$ $L = 31.44$
	PC	STA 20+04.93	17.92' LT	324.14	
	1/4	STA 20+10.39	19.41' LT	324.24	
	1/2	STA 20+16.86	23.77' LT	324.15'	
	3/4	STA 20+21.18	30.28' LT	323.88'	
PT	STA 20+22.67	37.94' LT	323.59'		

CURB RETURN TABLE

CURB RETURN NO.	POINT	STATION	OFFSET	ELEVATION AT FLOW-LINE	CURVE GEOMETRY
C4	RADIUS POINT	STA 20+99.19	45.09' LT	N/A	$\Delta = 90.46$ $R = 20.00$ $T = 20.16$ $L = 31.58$
	PC	STA 20+79.19	45.24' LT	323.19'	
	1/4	STA 20+80.67	37.54' LT	323.31	
	1/2	STA 20+84.99	31.00' LT	323.39	
	3/4	STA 20+91.50	26.63' LT	323.47	
PT	STA 20+99.19	25.09' LT	323.52		

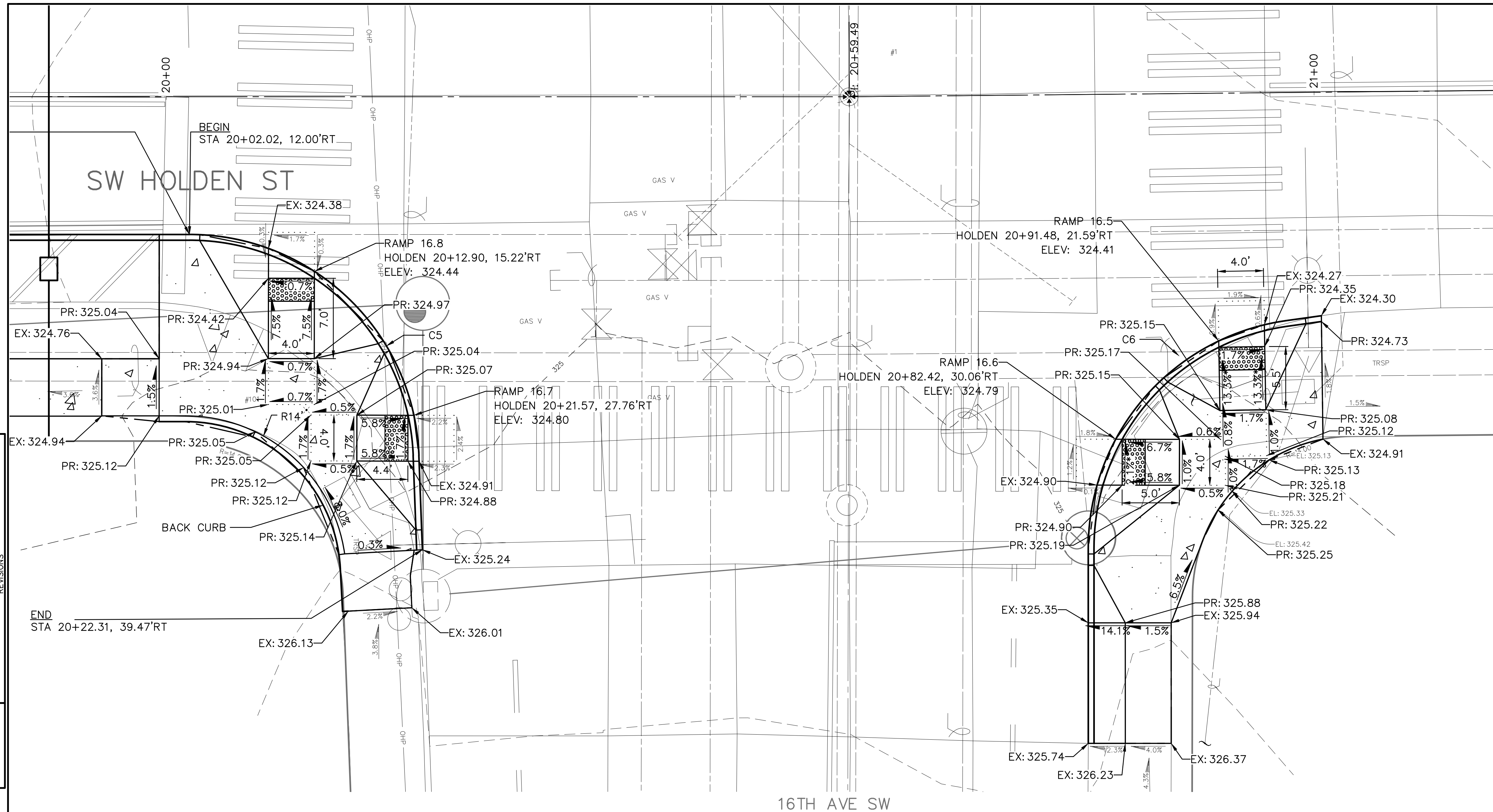
**60% SUBMITTAL (NOT FOR CONSTRUCTION)**

ADA RAMP/INTERSECTION PLAN – SW HOLDENST/16TH AVE SW (1 OF 2)

	APPROVED FOR ADVERTISING LIZ ALZEER DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT			PC C600855 CO VPI #
	BY: _____ PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE 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.	SCALE: 1"=5'	HOLDEN NDS	CP402	SHEET 30 OF 36



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- MEF CODES**
- \*1. RIGHT-OF-WAY AVAILABILITY
  - \*2. ROADWAY STRUCTURAL CONSTRAINT; WALL, AREAWAY, OR BRIDGE
  - \*3. ADJACENT DEVELOPED FACILITY
  - \*4. DRAINAGE
  - \*5. HISTORIC FEATURE
  - \*6. EXISTING ROAD/SIDEWALK SLOPES
  - \*7. EXISTING UTILITY VAULT OR UTILITY STRUCTURE
  - \*8. (OTHER), DESCRIBE, ADD ANNOTATION

- LEGEND**
- GRADE BREAK
  - ..... LANDING

RAMP CODE	STD PLAN	MEF CODE
16.5	422d	*1, *6
16.6	422d	*6
16.7	422d	-
16.8	422d	-

- RAMP NOTES**
1. ALL UPPER LANDINGS ARE 4'x4' AND  $\leq 2\%$  IN ANY DIRECTION AND MATCH EXISTING GRADE, UNLESS OTHERWISE NOTED.
  2. ALL WINGS ARE 10:1 SLOPE OR LESS UNLESS OTHERWISE NOTED.
  3. ALL RAMP SLOPES ARE  $\leq 8.3\%$  AND  $\leq 15'$  LONG UNLESS OTHERWISE NOTED.

**CURB RETURN TABLE**

CURB RETURN NO.	POINT	STATION	OFFSET	ELEVATION AT FLOW-LINE	CURVE GEOMETRY
C5	RADIUS POINT	STA 20+02.02	32.00' RT	N/A	$\Delta = 87.87$ $R = 20.00$ $T = 19.27$ $L = 30.67$
	PC	STA 20+02.02	12.00' RT	324.26'	
	1/4	STA 20+09.50	13.45' RT	324.39'	
	1/2	STA 20+15.90	17.60' RT	324.51'	
	3/4	STA 20+20.28	23.83' RT	324.71'	
	PT	STA 20+22.01	31.25' RT	324.89'	

**CURB RETURN TABLE**

CURB RETURN NO.	POINT	STATION	OFFSET	ELEVATION AT FLOW-LINE	CURVE GEOMETRY
C6	RADIUS POINT	STA 20+99.96	38.89' RT	N/A	$\Delta = 89.30$ $R = 20.00$ $T = 19.76$ $L = 31.17$
	PC	STA 20+79.96	38.63' RT	324.97'	
	1/4	STA 20+97.13	07.82' RT	324.83'	
	1/2	STA 20+95.70	10.93' RT	324.61'	
	3/4	STA 20+92.37	20.38' RT	324.39'	
	PT	STA 20+99.97	18.89' RT	324.30'	

**60% SUBMITTAL (NOT FOR CONSTRUCTION)**

**ADA RAMP/INTERSECTION PLAN - SW HOLDEN ST/16TH AVE SW (2 OF 2)**

	APPROVED FOR ADVERTISING <b>LIZ ALZEER</b> DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON ..... 20	INITIALS AND DATE DESIGNED _____ CHECKED _____	INITIALS AND DATE REVIEWED: _____ DES. CONST. SDOT PROJ. MGR. RECEIVED _____ REVISED AS BUILT _____			ORDINANCE NO. _____ PW NO. _____	HOLDEN NDS	VPI # <b>CP403</b>	SHEET 31 OF 36
	BY: _____ PURCHASING AND CONTRACTING DIRECTOR		ALL WORK SHALL BE 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.		SCALE: 1"=5'				

# LANDSCAPE SCHEDULE

DETAIL	SYM	QTY	SCIENTIFIC/Common NAME	SIZE	REMARKS
<b>BIORETENTION PLANTING</b>					
		1651 SF			
		5%	SPIRAEA BETULIFOLIA 'TOR' / BIRCHLEAF SPIREA	#2 CONT	FULL & WELL ROOTED; TRIANGULAR SPACING @ 18" OC
		5%	JUNIPERUS CONFERTA 'BLUE PACIFIC' / SHORE JUNIPER	#2 CONT	
		5%	ERIGERON PERIGRINUS / SUBALPINE FLEABANE	#1 CONT	
		10%	HELIOTRICHON SEMPERVIRENS / BLUE OAT GRASS	#1 CONT	
		20%	JUNCUS PATENS 'ELK BLUE' / SPREADING RUSH	#1 CONT	
		20%	JUNCUS EFFUSUS 'QUARTZ CREEK' / SOFT RUSH	#1 CONT	
		5%	IRIS DOUGLASIANA / DOUGLAS IRIS	#1 CONT	
		10%	HELIANTHEMUM 'HENFIELD BRILLIANT' / SUN ROSE	#1 CONT	
		10%	CAREX ELATA 'BOWLES GOLDEN' / GOLD SEDGE	#1 CONT	
		10%	PRUNUS LAUROCERASUS 'MOUNT VERNON' / MOUNT VERNON LAUREL	#2 CONT	
<b>LANDSCAPE PLANTING</b>					
		1309 SF			
		20%	ARCTOSTAPHYLOS X MEDIA / MEDIA MANZANITA	#2 CONT	FULL & WELL ROOTED; TRIANGULAR SPACING @ 18" OC
		15%	PRUNUS LAUROCERASUS 'MOUNT VERNON' / MOUNT VERNON LAUREL	#2 CONT	
		10%	HELIOTRICHON SEMPERVIRENS / BLUE OAT GRASS	#1 CONT	
		20%	GERANIUM MACRORRHIZUM / HARDY GERANIUM	#1 CONT	
		15%	HELIANTHEMUM 'HENFIELD BRILLIANT' / SUN ROSE	#1 CONT	
		10%	ALLIUM CERNUUM / NODDING PINK ONION	#1 CONT	
		10%	CAMASSIA QUAMASH / COMMON CAMAS	BULB; 5+ CENTIMETERS	TOP GRADE
<b>LANDSCAPE RESTORATION</b>					
		779 SF	SEEDED LAWN		SEE SPECS

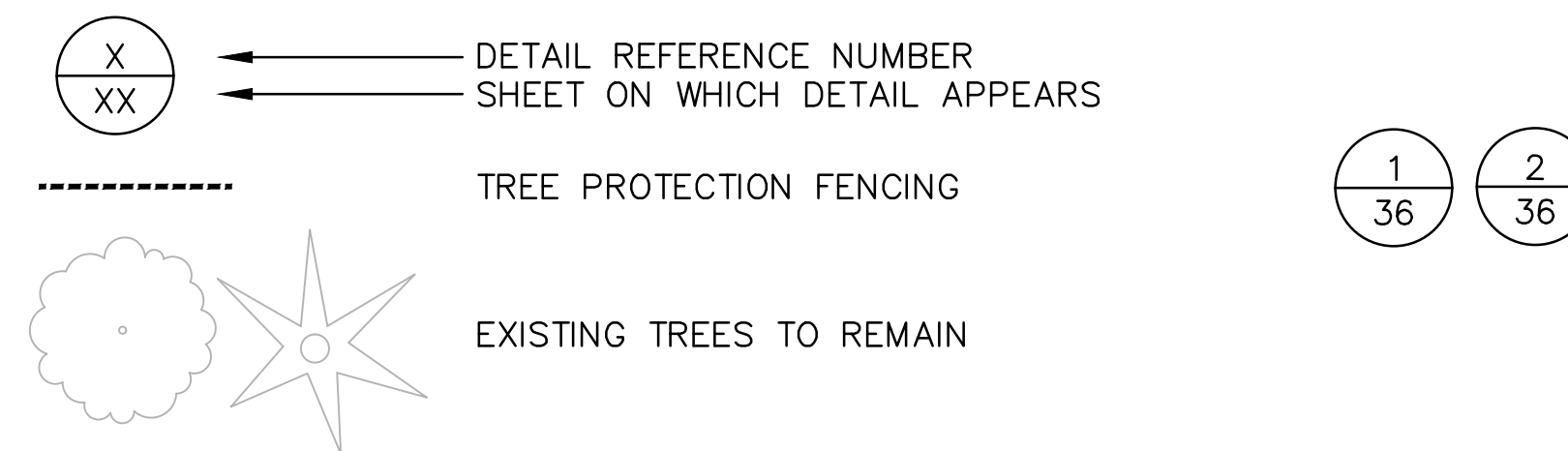
# LANDSCAPE NOTES

- BRING ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS & SITE CONDITIONS TO THE ATTENTION OF ENG PRIOR TO PROCEEDING WITH CONSTRUCTION.
- LOCATE UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- VERIFY ALL GRADES WITH THE ENG BEFORE COMMENCEMENT OF PLANTING & SEEDING:
  - ALL GRADES SHALL FLOW SMOOTHLY INTO ONE ANOTHER WITH NO ABRUPT TRANSITIONS AND PRODUCE POSITIVE STORMWATER DRAINAGE.
  - THE CONTRACTOR IS RESPONSIBLE FOR ANY ADVERSE DRAINAGE CONDITIONS THAT MAY AFFECT PLANT GROWTH UNLESS THE CONTRACTOR CONTACTS THE ENG IMMEDIATELY, INDICATING ANY POSSIBLE PROBLEM.
- FIELD STAKE OR DEMARCATOR PLANTING LOCATIONS FOR ENG REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ENSURE SEED LAWN AND PLANT MATERIAL RECEIVE ADEQUATE WATER THROUGHOUT ONE (1) YEAR GUARANTEE PERIOD FOR PLANT ESTABLISHMENT, SEE SPECS.
- INSTALL GROUNDCOVERS IN A TRIANGULAR PATTERN AT SPACING SHOWN IN THE PLANT SCHEDULE. WHERE GROUNDCOVER ABUTS CURBING, WALLS, OR WALKS, MIN PLANTING DISTANCE MUST BE NINE (9) INCHES FROM SAME UNLESS OTHERWISE NOTED.

# LANDSCAPE ABBREVIATIONS

#/NO.	NUMBER	EA	EACH
%	PERCENT	EQ	EQUAL
&	AND	EX	EXISTING
@	AT	HT	HEIGHT
ABBV	ABBREVIATIONS	MAX	MAXIMUM
ALT	ALTERNATE	MIN	MINIMUM
APPROX	APPROXIMATE	OC	ON CENTER
B&B	BALLED AND BURLAPPED	PREP	PREPARATION
CAL	CALIPER	QTY	QUANTITY
CL/CL	CENTER LINE	SCH	SCHEDULE
CLR	CLEAR	SPEC	SPECIFICATION
CONC	CONCRETE	SQ	SQUARE
CONST	CONSTRUCTION	SF	SQUARE FEET
CONT	CONTAINER	SYM	SYMBOL
DIA	DIAMETER	TYP	TYPICAL
DWGS	DRAWINGS	ENG	ENGINEER

# LANDSCAPE LEGEND



VAULT SERIAL #	DATE	MARK	NATURE	MADE BY	REV'D
39274					

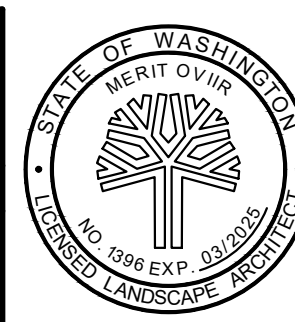
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**60% SUBMITTAL**



APPROVED FOR ADVERTISING  
 LIZ ALZEER  
 DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES  
 SEATTLE, WASHINGTON 20

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED SN	08/03/23	REVIEWED: DES.	CONST.
CHECKED AL	08/03/23	SDOT	PROJ. MGR.
DRAWN JR	08/03/23	RECEIVED	
CHECKED AL	08/03/23	REVISED AS BUILT	



ORDINANCE NO. \_\_\_\_\_ PW NO. \_\_\_\_\_  
 SCALE: NTS

**HOLDEN NDS**

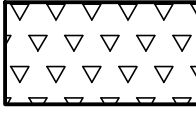
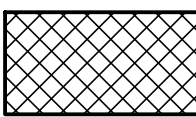
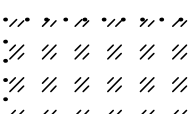

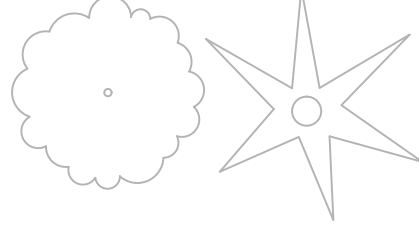
JOB	PC C600855
CO	
VPI #	792-752
	L-001
SHEET	32 OF 36

LANDSCAPE SCHEDULE, LEGEND, NOTES & ABBVS

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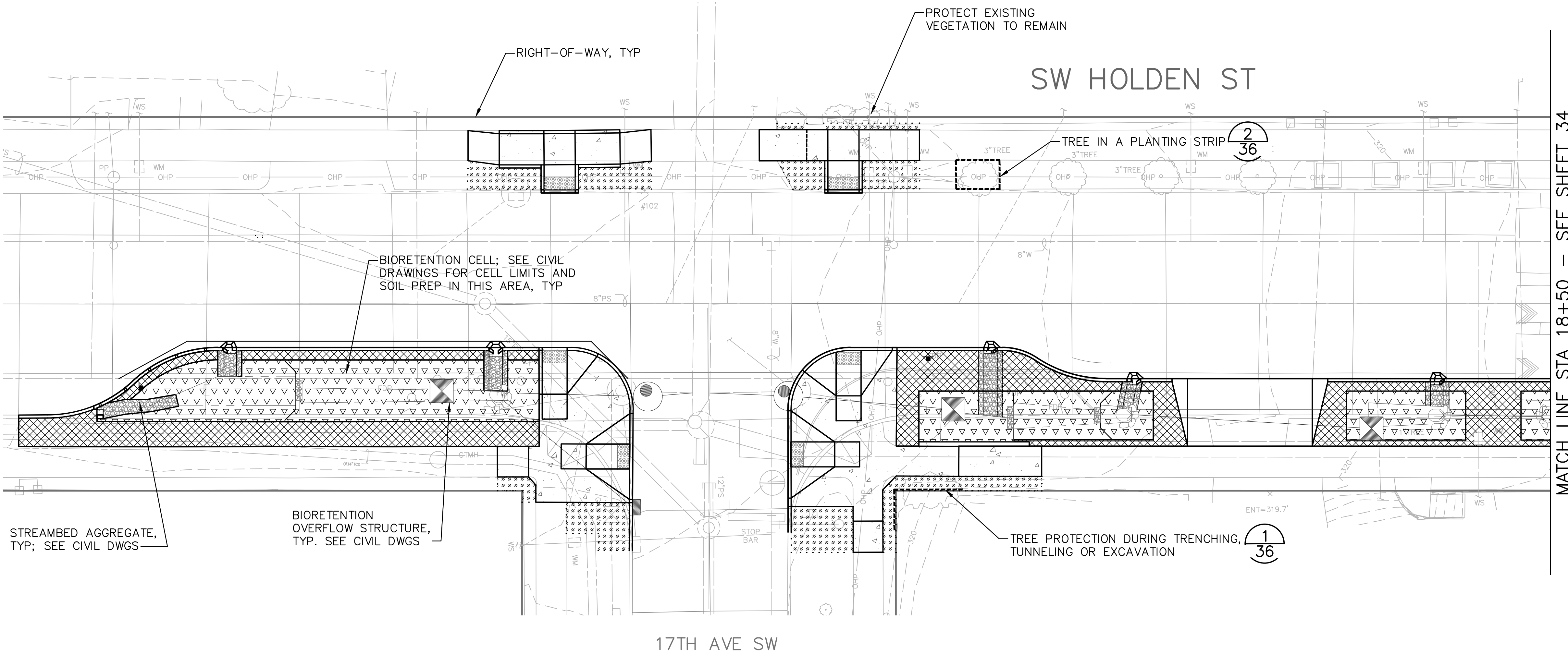


**LANDSCAPE LEGEND**

-  BIORETENTION PLANTING, SEE SHEET 32 (L-001) FOR LANDSCAPE SCHEDULE
-  LANDSCAPE PLANTING, SEE SHEET 32 (L-001) FOR LANDSCAPE SCHEDULE
-  RESTORATION PLANTING, SEE SHEET 32 (L-001) FOR LANDSCAPE SCHEDULE
-  TREE PROTECTION FENCING
-  EXISTING TREES TO REMAIN

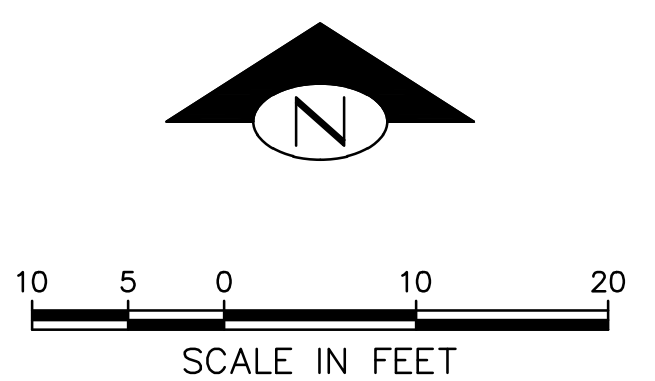
**NOTES**

1. DO NO HARM TO BIORETENTION LINER DURING PLANT INSTALLATION. SEE CIVIL DRAWINGS FOR BIORETENTION LINER LOCATION.
2. PLANT INSTALLATION IN BIORETENTION CELLS TO BE DONE USING HAND TOOLS ONLY. USE OF AUGERS OF ANY KIND IS NOT PERMITTED.
3. SEE CIVIL DRAWINGS FOR MULCH TREATMENT IN BIORETENTION CELLS.
4. NO ADDITIONAL SOIL PREPARATION BEYOND WHAT IS DEFINED IN CIVIL DRAWINGS IS REQUIRED WITHIN BIORETENTION CELLS.
5. SEE CIVIL DRAWINGS FOR LIMITS OF CONCRETE PAVING.
6. SEE SHEET 32 FOR ADDITIONAL LANDSCAPE NOTES.





MATCH LINE STA 18+50 - SEE SHEET 34

VAULT SERIAL #	DATE	MARK	MADE BY/REV'D
39274			
NATURE REVISIONS			



**60% SUBMITTAL**

LANDSCAPE PLAN - SW HOLDEN ST (1 OF 2)

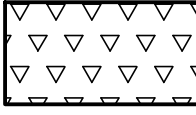
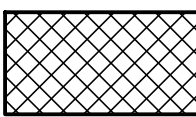
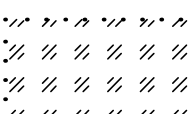

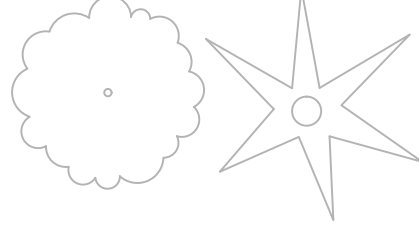
	APPROVED FOR ADVERTISING <b>LIZ ALZEER</b> DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED SN 08/03/23 CHECKED AL 08/03/23	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		<b>HOLDEN NDS</b>  L-101 SHEET 33 OF 36
	BY: _____ PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE 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.			

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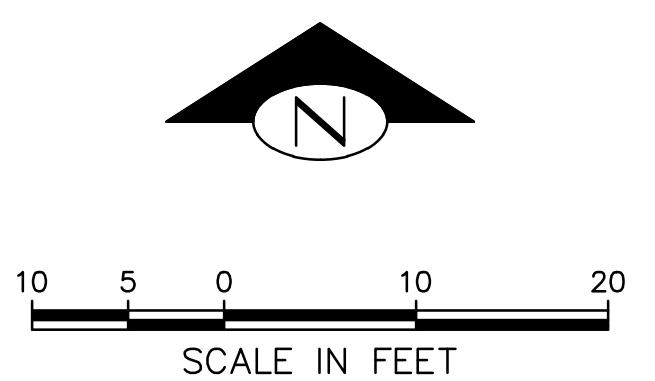
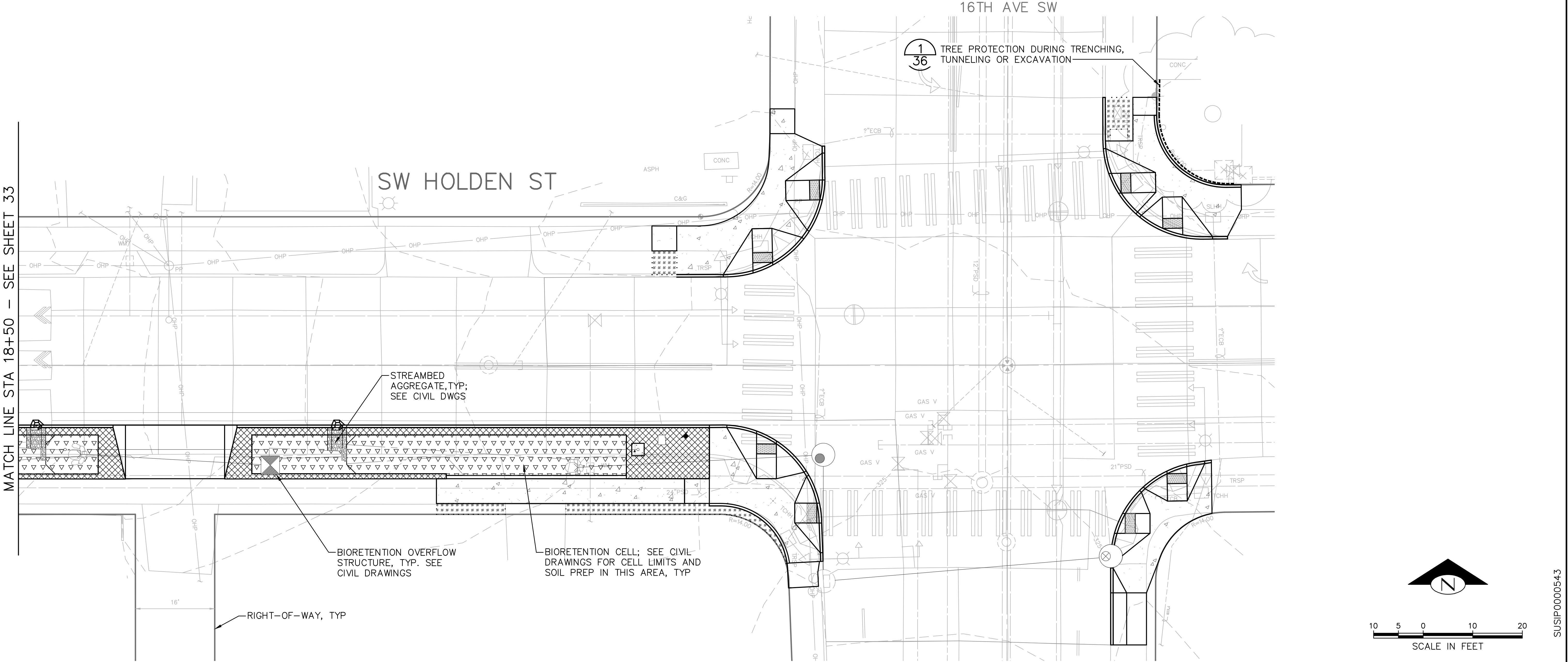


# LANDSCAPE LEGEND

-  BIORETENTION PLANTING, SEE SHEET 20 (L-001) FOR LANDSCAPE SCHEDULE
-  LANDSCAPE PLANTING, SEE SHEET 20 (L-001) FOR LANDSCAPE SCHEDULE
-  RESTORATION PLANTING, SEE SHEET 20 (L-001) FOR LANDSCAPE SCHEDULE
-  TREE PROTECTION FENCING
-  EXISTING TREES TO REMAIN

# NOTES

1. DO NO HARM TO BIORETENTION LINER DURING PLANT INSTALLATION. SEE CIVIL DRAWINGS FOR BIORETENTION LINER LOCATION.
2. PLANT INSTALLATION IN BIORETENTION CELLS TO BE DONE USING HAND TOOLS ONLY. USE OF AUGERS OF ANY KIND IS NOT PERMITTED.
3. SEE CIVIL DRAWINGS FOR MULCH TREATMENT IN BIORETENTION CELLS.
4. NO ADDITIONAL SOIL PREPARATION BEYOND WHAT IS DEFINED IN CIVIL DRAWINGS IS REQUIRED WITHIN BIORETENTION CELLS.
5. SEE CIVIL DRAWINGS FOR LIMITS OF CONCRETE PAVING.
6. SEE SHEET 20 FOR ADDITIONAL LANDSCAPE NOTES.





VAULT SERIAL #	DATE	MARK	NATURE	MADE BY	REV'D
39274					

MATCH LINE STA 18+50 - SEE SHEET 33

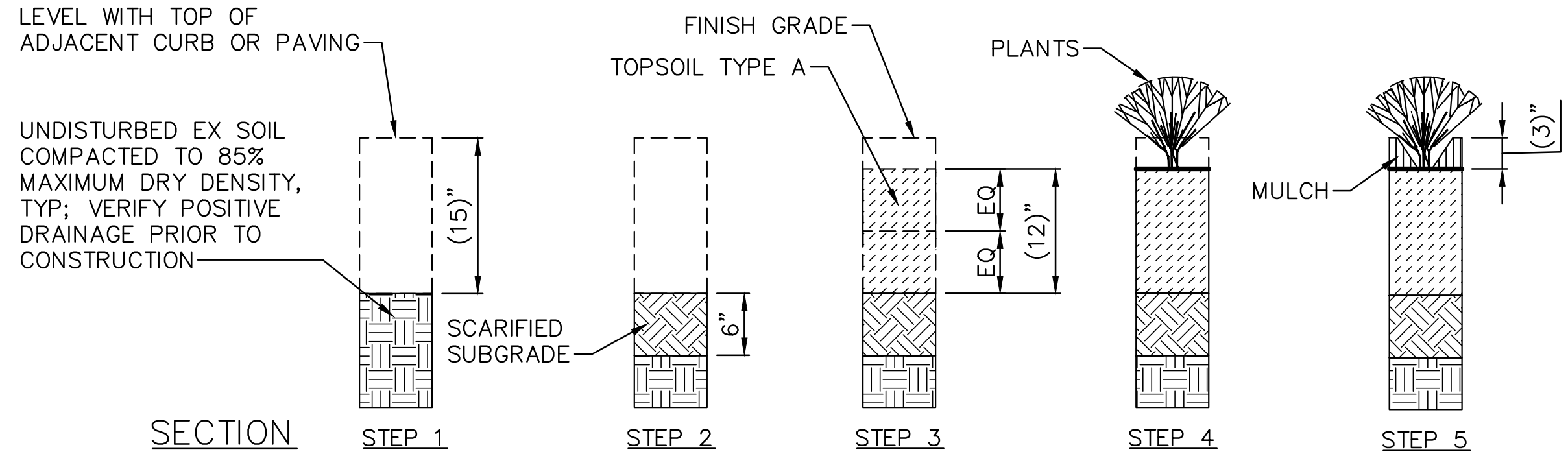
**60% SUBMITTAL**

LANDSCAPE PLAN - SW HOLDEN ST (2 OF 2)

	APPROVED FOR ADVERTISING <b>LIZ ALZEER</b> DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES SEATTLE, WASHINGTON ..... 20	INITIALS AND DATE DESIGNED SN 08/03/23 CHECKED AL 08/03/23	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		HOLDEN NDS	JOB # PC C600855 CO
	BY: ..... PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE 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.	SCALE: 1"=10'			VPI # 792-752 <b>L-102</b> SHEET 34 OF 36

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**STEP 1**  
EXCAVATE EX SOIL TO DEPTH SHOWN, BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING.

**STEP 2**  
THOROUGHLY SCARIFY SUBGRADE TO DEPTH SHOWN. ENGINEER SHALL REVIEW & APPROVE WORK PRIOR TO PROCEEDING TO STEP 3.

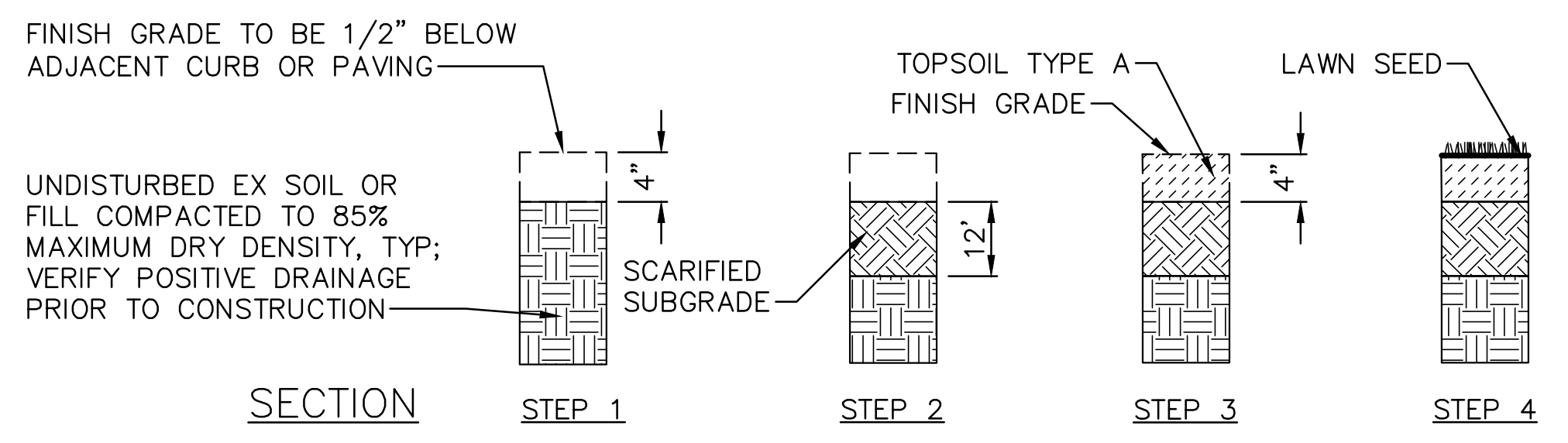
**STEP 3**  
INSTALL TOPSOIL TYPE A TO DEPTH SHOWN. INSTALL IN EQ LIFTS. COMPACT EACH LIFT PRIOR TO INSTALLING THE NEXT LIFT. REVIEW FINISH GRADE WITH ENG PRIOR TO PLANT INSTALLATION.

**STEP 4**  
INSTALL PLANTS.

**STEP 5**  
INSTALL MULCH TO DEPTH SHOWN. INSTALL TOP OF MULCH FLUSH WITH TOP OF ADJACENT CURB OR PAVING.

**NOTE(S):**  
1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS.

**SOIL PREPARATION IN LANDSCAPE PLANTING AREAS** (1/35)  
SCALE: NTS



**STEP 1**  
EXCAVATE EX SOIL TO DEPTH SHOWN BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING SUBBASE MATERIAL.

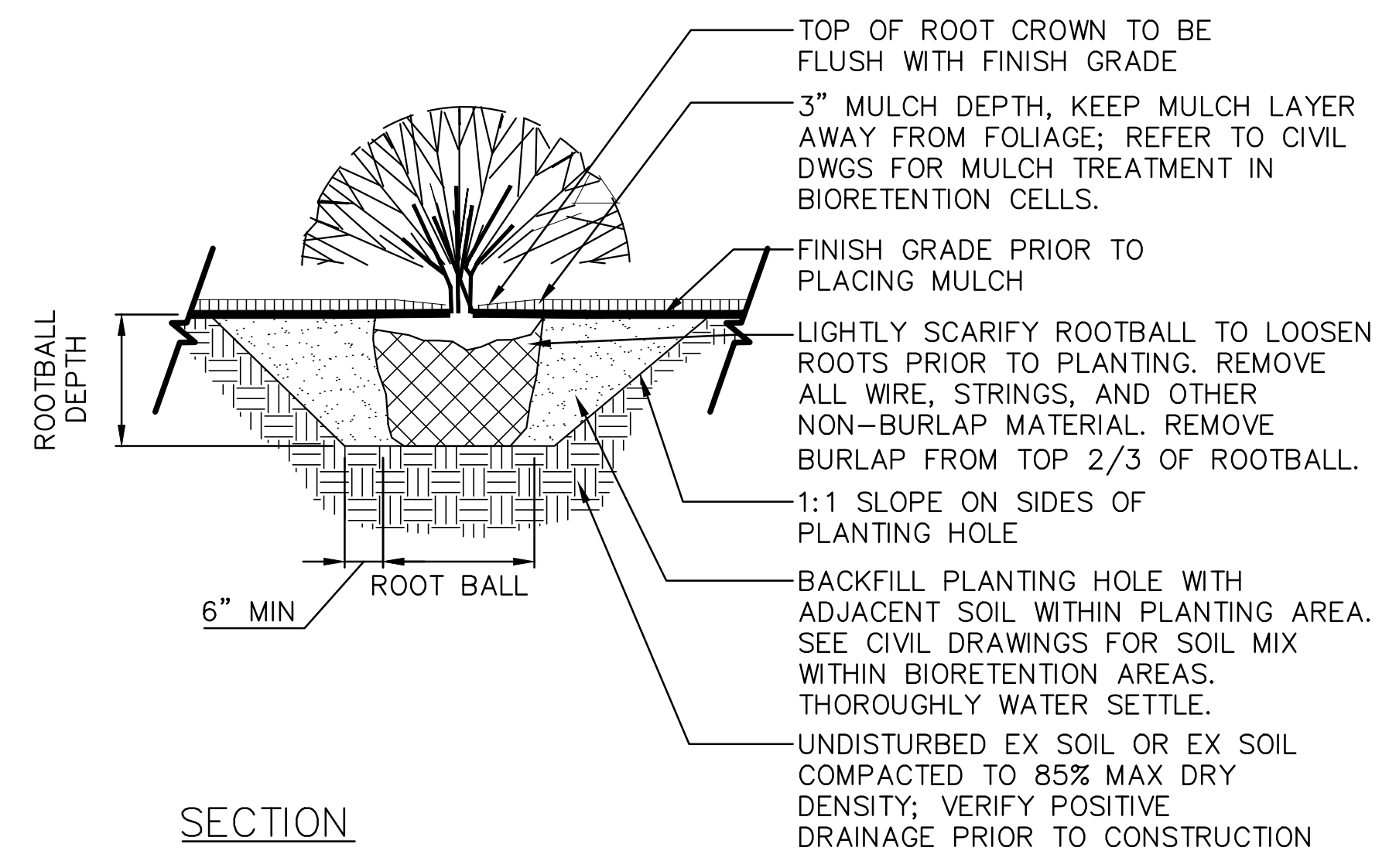
**STEP 2**  
SCARIFY SUBGRADE TO DEPTH SHOWN. ENGINEER SHALL REVIEW & APPROVE WORK PRIOR TO PROCEEDING TO STEP 3.

**STEP 3**  
INSTALL TOPSOIL TYPE A TO DEPTH SHOWN. WATER SETTLE/COMPACT PRIOR TO INSTALLING LAWN SEED. REVIEW FINISH GRADE WITH ENGINEER PRIOR TO SEEDING.

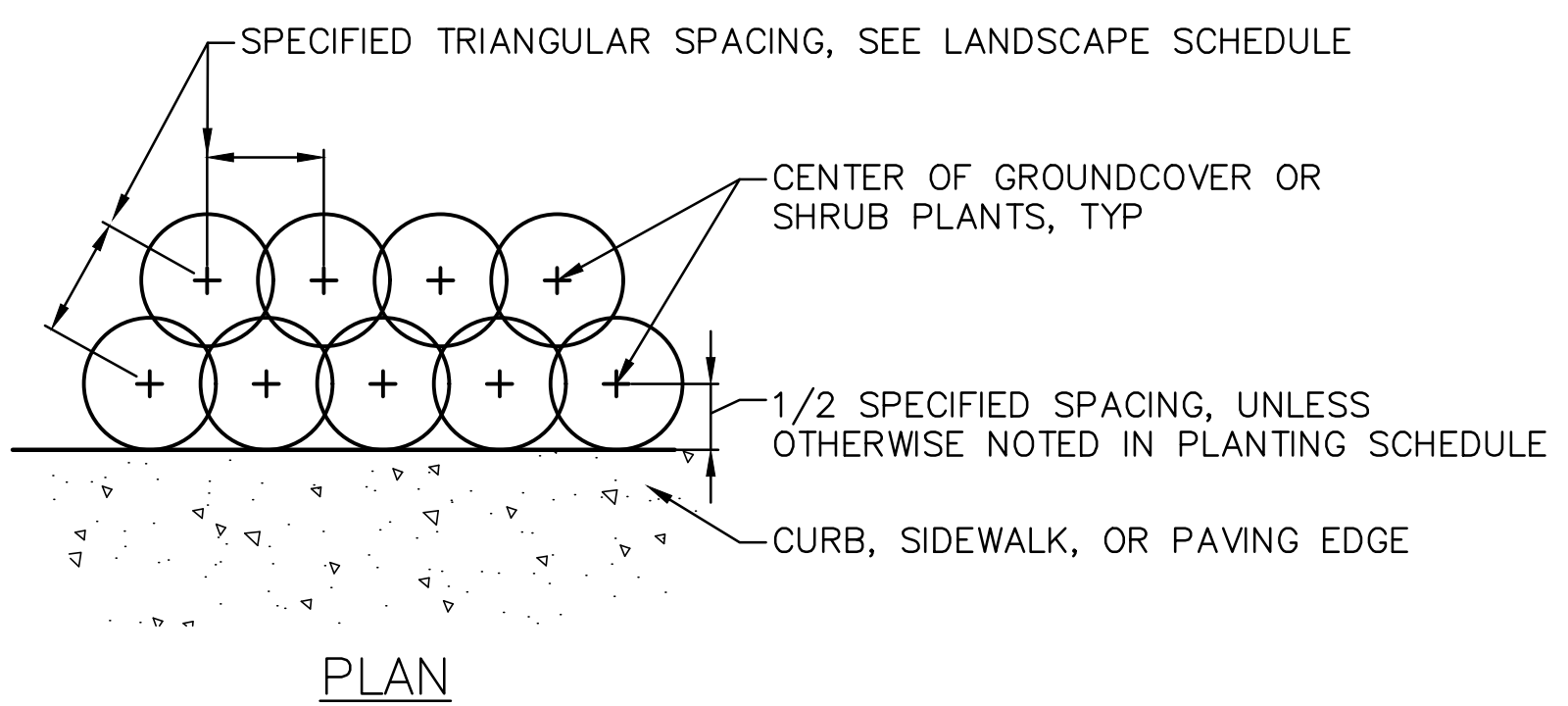
**STEP 4**  
INSTALL LAWN SEED.

**NOTE:**  
1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS.

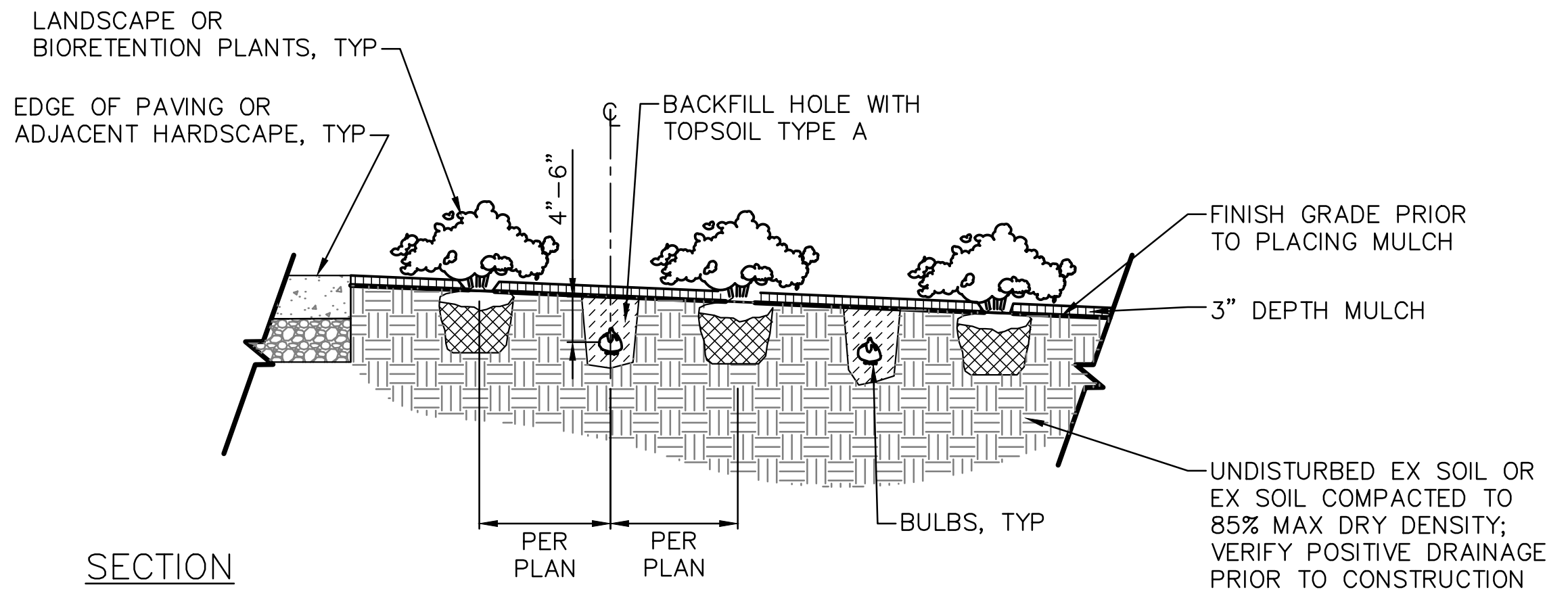
**SEEDED LAWN SOIL PREPARATION** (2/35)  
SCALE: NTS



**PLANTING SECTION** (3/35)  
SCALE: NTS



**GROUNDCOVER & SHRUB PLANTING LAYOUT** (4/35)  
SCALE: NTS



**NOTES:**  
1. INSTALL 5 BULBS PER HOLE, SPACED 4"-6" APART.  
2. INSTALL BULBS 4"-6" DEEP.  
3. PLANT BULBS WITH THE TOP (POINTED END) UP.  
4. VERIFY LAYOUT OF BULBS WITH ENG PRIOR TO PLANTING.  
5. PLANT BULBS FROM SEPTEMBER TO NOVEMBER ONLY.

**BULB PLANTING** (5/35)  
SCALE: NTS

**60% SUBMITTAL**



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DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES  
SEATTLE, WASHINGTON 20

INITIALS AND DATE		INITIALS AND DATE	
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CHECKED AL	08/03/23	DES. CONST.	
		SDOT PROJ. MGR.	
DRAWN JR	08/03/23	RECEIVED	
CHECKED AL	08/03/23	REVISED AS BUILT	



**Seattle Public Utilities**  
ORDINANCE NO. PW NO.  
SCALE: AS NOTED

**HOLDEN NDS**

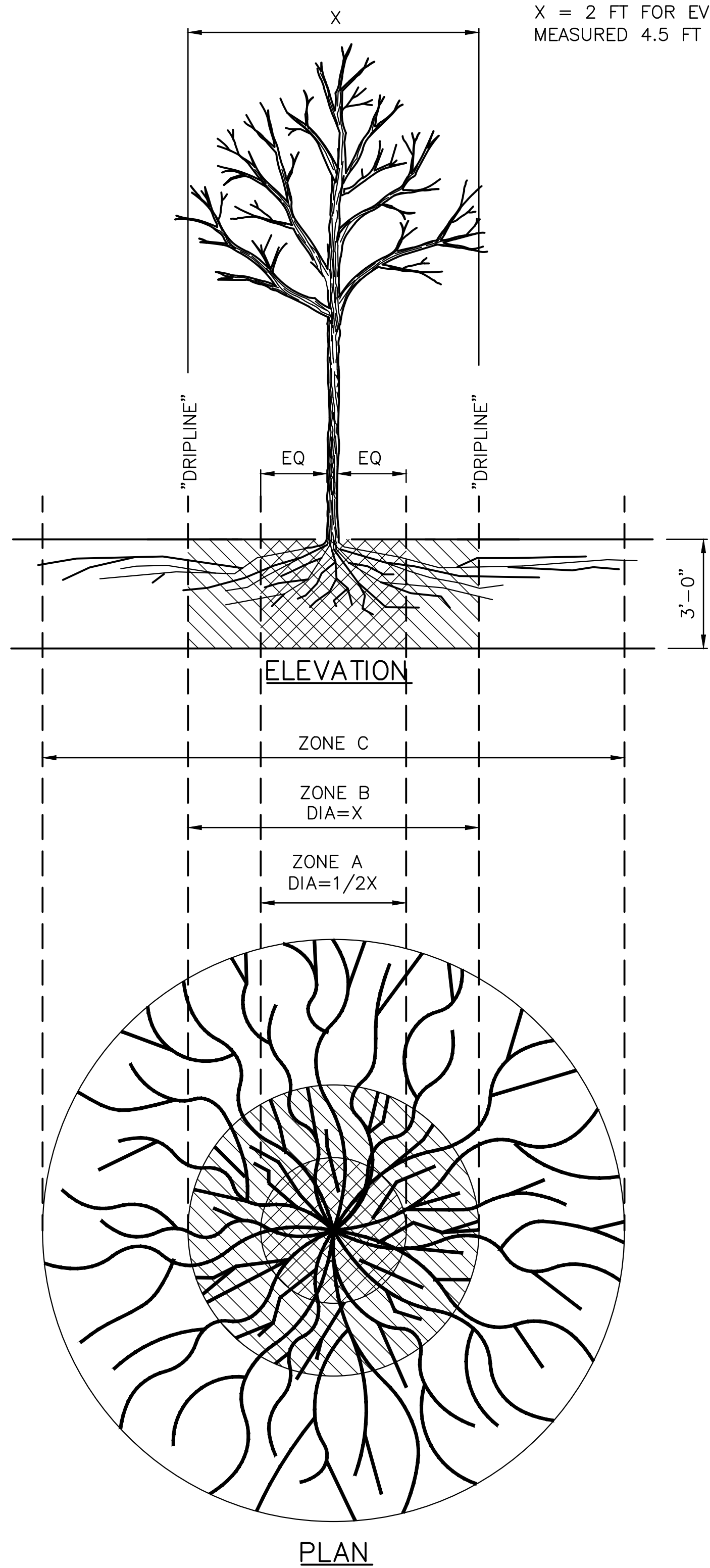
PC	C600855
CO	
VPI #	792-752
L-201	
SHEET 35 OF 36	

LANDSCAPE DETAILS (1 OF 2)

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VAULT SERIAL #	DATE	MARK	NATURE	MADE BY	REV'D
39274					



X = 2 FT FOR EVERY 1 INCH OF TRUNK DIA  
 MEASURED 4.5 FT ABOVE GRADE (MIN 8 FT)

**TRENCHING/EXCAVATION**

**ZONE A (INTERIOR CRITICAL ROOT ZONE)**

- NO DISTURBANCE ALLOWED WITHOUT SITE VISIT AND APPROVED TVSPP PER SECTION 8-01.3(2)B.
- TUNNELING REQUIRED TO INSTALL UTILITIES 3'-0" OR DEEPER.

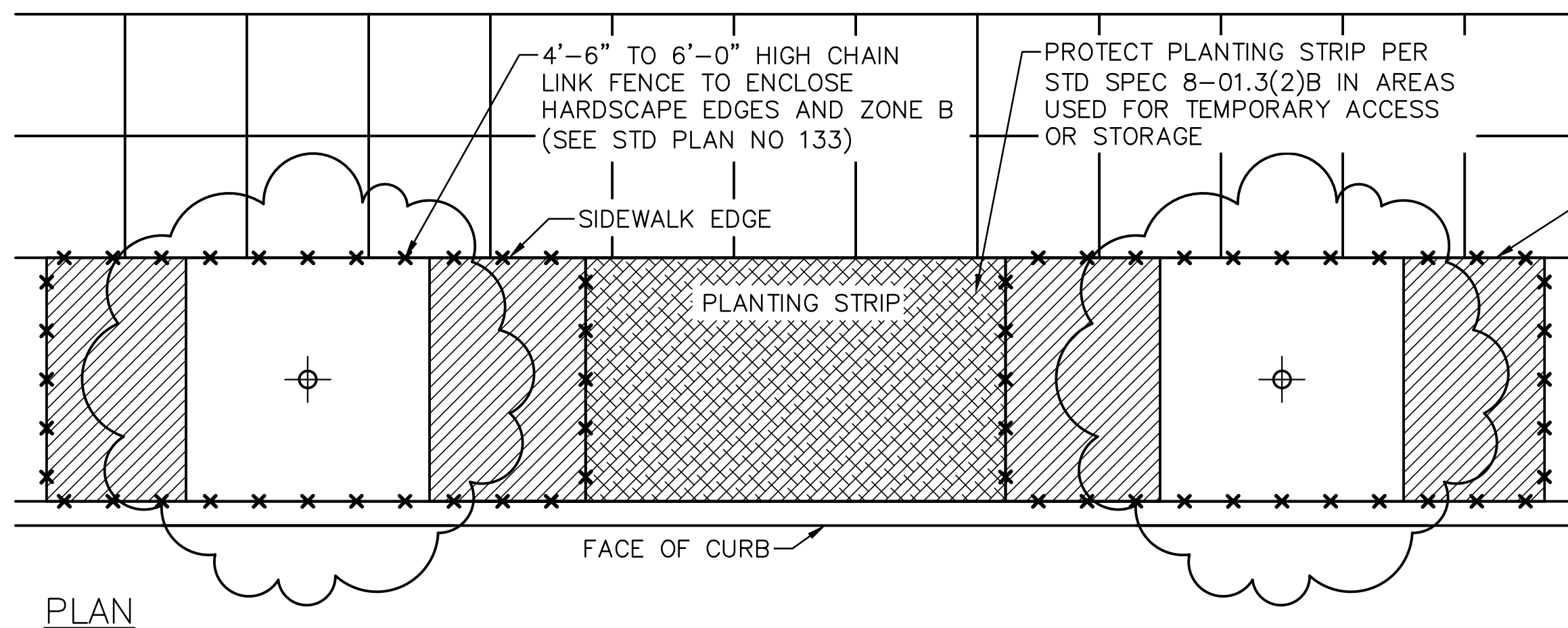
**ZONE B (CRITICAL ROOT ZONE)**

- NO DISTURBANCE ALLOWED WITHOUT APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE.
- NO MORE THAN 30 PERCENT OF ZONE B SHALL BE DISTURBED.
- TUNNELING MAY BE REQUIRED FOR BELOW-GRADE IMPROVEMENTS.

**ZONE C (EXTENDED ROOT ZONE)**

- DISTURBANCE ALLOWED BASED ON APPROVED PLANS. SEE NOTE.

**NOTE:**  
 SEVERANCE OF ROOTS LARGER THAN 2" REQUIRES ENGINEER'S APPROVAL.



**NOTE:**

- CONSIDER TRAFFIC TURNING VISIBILITY AND PEDESTRIAN VISIBILITY WHEN SELECTING FENCE HEIGHT; TYPICALLY SHORTER FENCING AROUND TREE PITS BETWEEN SIDEWALK AND ROADWAY IS DESIRED.

TREE PROTECTION DURING TRENCHING, TUNNELING OR EXCAVATION 1  
 SCALE: NTS 36

TREE IN A PLANTING STRIP 2  
 SCALE: NTS 36

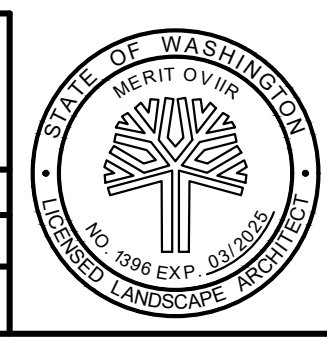
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LANDSCAPE DETAILS (2 OF 2)



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 SEATTLE, WASHINGTON 20

INITIALS AND DATE		INITIALS AND DATE	
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		SDOT	PROJ. MGR.
DRAWN	JR 08/03/23	RECEIVED	
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**Seattle Public Utilities**  
 ORDINANCE NO. PW NO.  
 SCALE: AS NOTED

**HOLDEN NDS**

JOB	PC C600855
CO	
VPI #	792-752
	L-202
SHEET	36 OF 36