

VICINITY MAP SCALE: 1" = 2560'

LEGAL DESCRIPTION:

LOTS 1 AND 2 OF SHORT PLAT NO. SP294(9-86) RECORDED UNDER RECORDING NUMBER 8703270324, BEING A PORTION OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 27 NORTH, RANGE 5 EAST, W.M., IN SNOHOMISH COUNTY, WASHINGTON.

OWNER/DEVELOPER:

SELECT HOMES
12811 8TH AVE W, SUITE A-201
EVERETT, WASHINGTON 98201

(206) 513-9006

PLANNER/CONTACT:

SUB-DIVISION MANAGEMENT 16031 119TH PL NE BOTHELL, WASHINGTON 98011 (206) 488-1111

ENGINEER/SURVEYOR:

OSTERGAARD-ROBINSON & ASSOCIATES, INC. 3630 COLBY AVENUE EVERETT, WASHINGTON 98201 (206) 259-6445

ILITY DATA:

WATER:
SEWER:
SCHOOL:
FIRE:
POWER:
NATURAL GAS:
TELEPHONE:

REFUSE:

ALDERWOOD SEWER & WATER DISTRICT ALDERWOOD SEWER & WATER DISTRICT EVERETT SCHOOL DISTRICT CITY OF MILL CREEK SNOHOMISH COUNTY P.U.D. WASHINGTON NATURAL GAS GENERAL TELEPHONE WASTE MANAGEMENT

TABLE OF CONTENTS:

COVER SHEET:

1/8

ROAD & STORM DRAINAGE:
PLAN
PROFILE
POND
4/8
NOTES & DETAILS (CITY OF MILL CREEK)
35TH AVE. S.E. NOTES & DETAILS (SNOHOMISH CO.)

GRADING & TESCP:
PLAN
NOTES & DETAILS

7/8
NOTES & DETAILS

8/8



CITY OF MILL CREEK

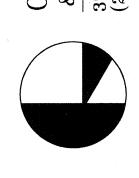
APPROVED FOR CONSTRUCTION

BY

11/3/95

DATE REVISION 10/19/95 REVISED PER CITY OF MILL CREEK

OSTERGAARD • R & ASSOC. INC. CONSULTING 3705 COLBY AVE. #1 EVERE



PARKAIDGE LANE

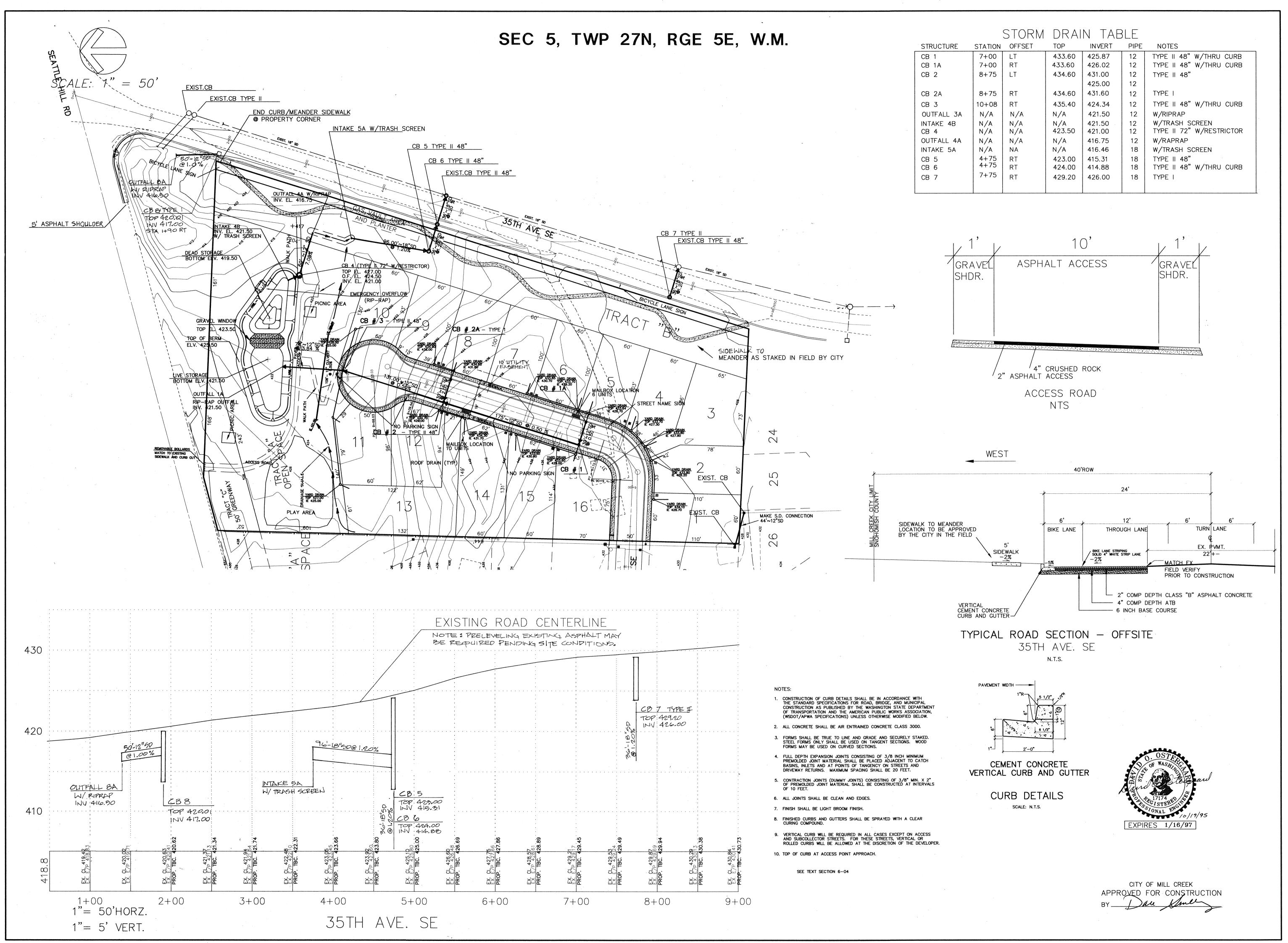
Designed ME
Checked

Drawn ME
Checked

As-built

Sheet of 8

95118 HDEV- 316

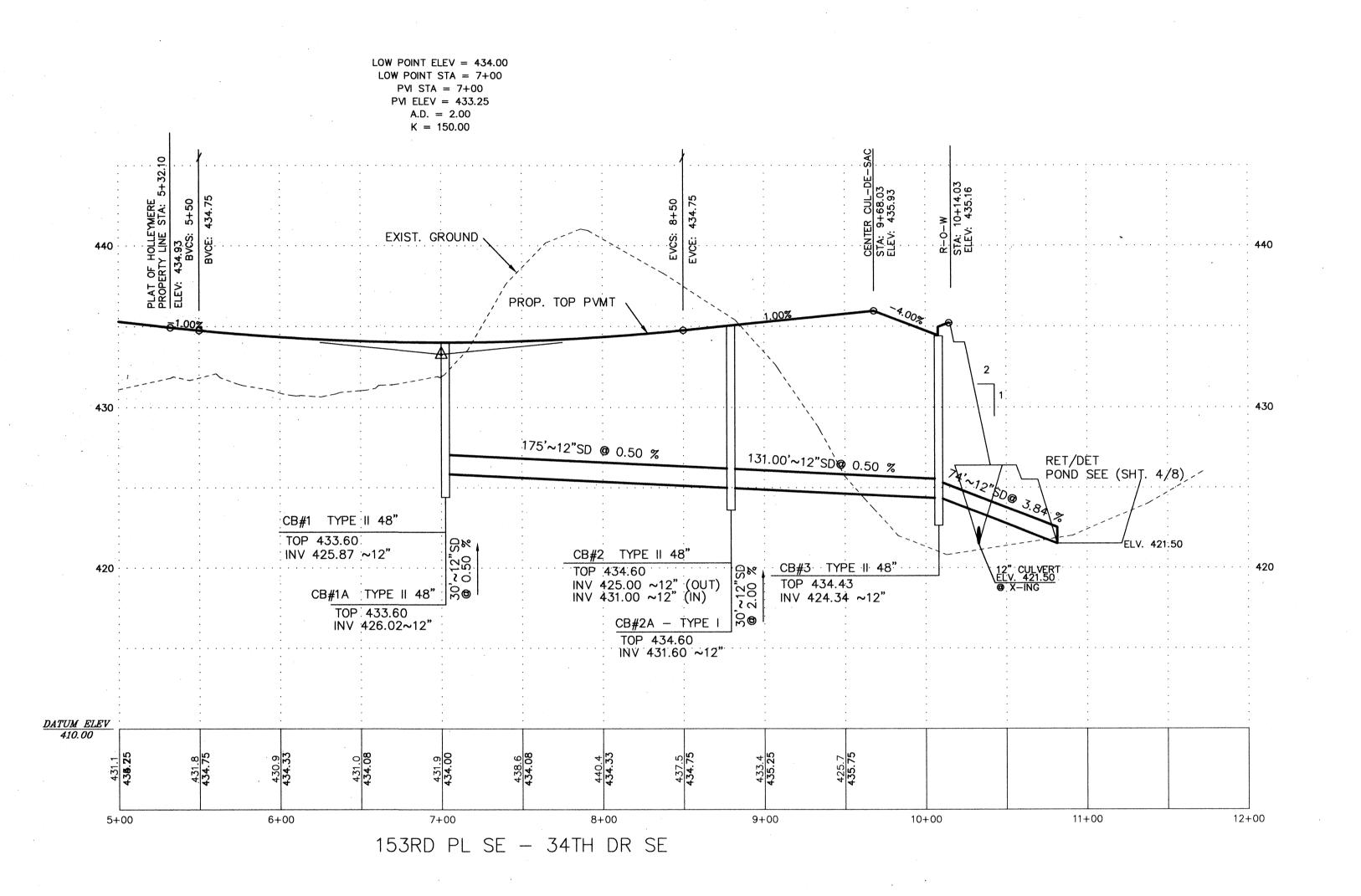


PARKRIDGE LANE HDEV-317

Designed ME,CP

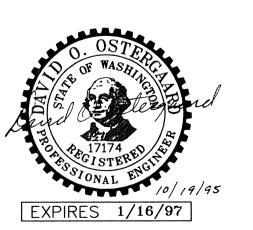
Drawn

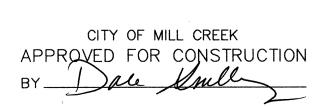
Checked



SCALE:

HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



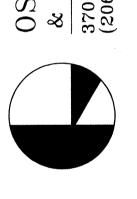


DATE REVISED PER CITY OF MILLCREEK CP

AARD • ROBINSO INC. CONSULTING ENGINEEF

AVE. #1 EVERETT, WA 982

445 BELLEVUE: (206) 827–58



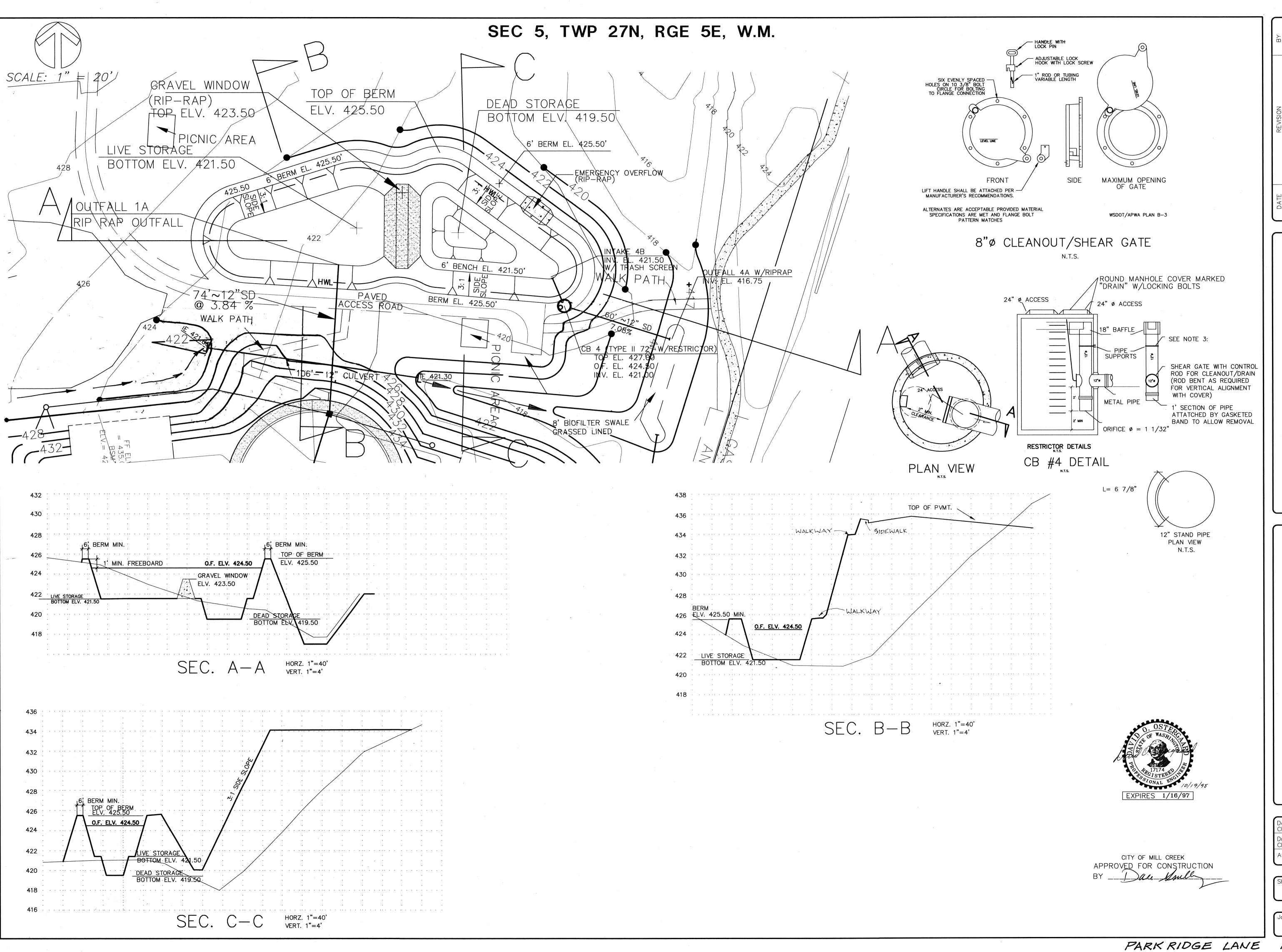
IDGE LANE

Designed ME,CP
Checked

Drawn ME,CP
Checked

As-built

 $\begin{bmatrix} \text{Sheet} & \text{of} \\ 3 & \end{bmatrix}$



OSTERGAARD • ROBINSON & ROSINSON & ASSOC. INC. CONSULTING ENGINEERS 3705 COLBY AVE. #1 EVERETT, WA 98201 (206) 259-6445 BELLEVUE: (206) 827-5854



GENERAL PLAN NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF MILL CREEK STANDARDS AND SPECIFICATIONS AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 1994 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- ALL WORK WITHIN THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE.
- 3. A COPY OF THESE APPROVED PLANS MUST BE ON THE SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 4. PRIOR TO ANY SITE CONSTRUCTION TO INCLUDE CLEARING/LOGGING OR GRADING THE SITE/LOT CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR/ENGINEER AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR/ENGINEER IS OSTERGAARD-ROBINSON AT (206) 259-6445.
- 5. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITY SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
- TRENCH BACK FILL OF NEW UTILITIES AND STORM DRAINAGE FACILITIES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS, AS SPECIFIED IN SECTION 2-03.3(14)C COMPACTING EARTH EMBANKMENTS METHOD B.
- 7. DISTURBED SOIL SHALL BE HYDRO SEEDED IF NOT WORKED WITHIN 30 DAYS.

STORM DRAINAGE NOTES

- 1. ALL PIPE SHALL BE PLACED ON STABLE EARTH, OR IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACK FILLED WITH A GRAVEL MATERIAL TO SUPPORT THE PIPE.
- 2. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE-ARCH IN LAYERS WITH A LOOSE AVERAGE DEPTH OF 6", MAXIMUM DEPTH 8", THOROUGHLY TAMPING EACH LAYER. THESE COMPACTED LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF THE TRENCH. MATERIALS TO COMPLETE THE FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED. (REFER TO SPECIFICATION 2-03.3(14)C, METHOD b & c.
- 3. ALL CATCH BASINS TO BE TYPE 1 UNLESS OTHERWISE NOTED.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES JUST PRIOR TO POURING OF CURBS AND PAVING.
- 5. ALL CATCH BASINS WITH A DEPTH OVER 5.0 FEET TO THE FLOW LINE
- 6. ALL TYPE II CATCH BASIN MANHOLES AND ALL INLET AND CATCH BASINS OUTSIDE OF PUBLIC R/W SHALL HAVE LOCKING LIDS.
- 7. STANDARD LADDER STEPS SHALL BE PROVIDED IN ALL CATCH

BASINS/MANHOLES EXCEEDING 5 FEET IN DEPTH.

- CATCH BASIN FRAME AND GRATES SHALL BE OLYMPIC FOUNDRY MODEL 5435, 5435A, OR 50503A. MODEL 5435A IS REFERRED TO AS A "THROUGH CURB INLET" ON THE PLAN.
- PRIOR TO SIDEWALK CONSTRUCTION. CONSTRUCT THE LOT DRAINAGE AND STUB OUTS AND OR BEHIND SIDEWALK DRAINS AS REQUIRED. STUB OUTS SHALL BE MARKED WITH A 2" X 4" AND LABELED "STORM."
- 10. STORM WATER RETENTION/DETENTION FACILITIES STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED PRIOR TO ACCEPTANCE.
- 11. PIPE SPECIFICATIONS: PIPE MATERIAL, JOINTS AND PROTECTIVE TREATMENT SHALL BE IN ACCORDANCE WITH WSDOT/APWA STANDARD SPECIFICATIONS SECTION 9.05 AND AASHTO AND ASTM DESIGNATIONS AS NOTED BELOW.

MATERIALS ALLOWED FOR STORM DRAIN LINES:

- PLAIN CONCRETE PIPE REINFORCED CONCRETE PIPE
- ALUMINUM SPIRAL RIB PIPE

ALLOWABLE JOINTS:

- CONCRETE PIPE SHALL BE RUBBER GASKETED SPIRAL RIB PIPE SHALL BE "HAT BANDED" WITH NEOPRENE

- CONSTRUCTION SEQUENCE ATTEND PRE-CONSTRUCTION MEETING (INCLUDING EXCAVATION
- CONTRACTOR). INSTALL SILT FENCES AND BARRIER FENCES WHERE SPECIFIED.
- INSTALL GRAVEL CONSTRUCTION ENTRANCE. FLAG CLEARING LIMITS. CALL CITY FOR INSPECTION AND APPROVAL.
- CLEAR FOR AND INSTALL SEDIMENT TRAPS, INTERCEPTOR DITCHES AND
- CHECK DAMS. CLEAR AND GRADE ONSITE AREAS AS INDICATED.
- CONSTRUCT PERMANENT STORM DRAINAGE SYSTEM AND UTILITIES AND
- PROVIDE C.B. PROTECTION. FINAL GRADE/PAVEMENT.
- HYDROSEED AND MULCH ALL EXPOSED AREAS.
- FLUSH STORM DRAINAGE SYSTEM.
- MAINTAIN TEMPORARY FACILITIES THROUGH THE COURSE ON
- CONSTRUCTION UNTIL SITE IS STABILIZED AND POTENTIAL FOR EROSION HAS PASSED.

SEC 5, TWP 27N, RGE 5E, W.M.

50' R/W

TYPICAL 50' ROAD SECTION - ONSITE

151ST ST SE

1" CHAMFER

-6x6 TREATED POST

CONCRETE CURB/GUTTER

REFLEX BOXES

IN PLANTING

8"x8" S4S X 5'-6'

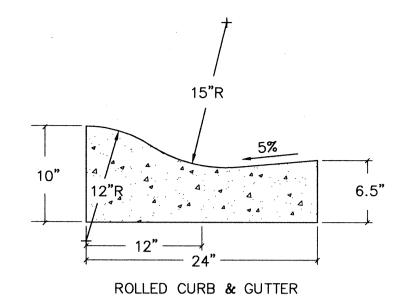
BASE DETAIL

SIDEWALK DETAIL

ROOF LINE

PAINT TOP 5"

-2%



- CONCRETE SHALL BE CEMENT CONCRETE CLASS 3000 EXCEPT FOR COMMERCIAL DEVELOPMENTS WHICH SHALL
- 2. BASE MATERIAL SHALL BE 5/8" MINUS CRUSH GRAVEL AT DEPTH OF 4 INCHES MINIMUM OR A CITY APPROVED
- 3. FORMS SHALL BE STEEL, EXCEPT OR RADIUS, AND SHALL BE SET TO LINE AND GRADE. STATE APPROVED MACHINED CURBS ARE ACCEPTED, INSPECTION BY THE CITY IS REQUIRED PRIOR TO PLACEMENT OF THE CONCRETE.

SIDEWALK PLANTER

500# MINIMUM TEST GALVANIZED CHAIN

-1" MIN.

STEEL ROD

2. STEEL TUBE SHALL CONFORM TO ASTM A53 OR ASTM A53 GRADE A.

ANCHORED IN CONCRETE

-ANCHOR WITH 6" X 3/8"

PIPE DRAIN 1" X 10"

DRAINING MATERIAL

6. FOR ACCEPTABLE ALTERNATE BOLLARD DESIGN, SEE WSDOT/APWA H-13 AND H-13A.

SIDEWALK PANEL -

SAND WITH CONCRETE CAP

CONCRETE BACKFILL-

8" PVC SLEEVE

BOLLARDS

N.T.S.

-GRANULAR FREE

-2%

CEMENT CONCRETE

CURB AND GUTTER-

REMOVABLE BOLLARD

1. ALL WOOD SHALL BE PRESSURE TREATED.

4. ALL STEEL PARTS SHALL BE GALVANIZED.

5. CONCRETE SHALL BE CLASS COMMERCIAL.

CONRETE BASE

3. NUTS, BOLTS & WASHERS SHALL CONFORM TO ASTM A307.

- 4. EXPANSION JOINTS SHALL BE PLACED AT 10 FEET ON CENTER AND AT DRIVEWAY RETURNS, CATCH BASINS AND
- 5. CONCRETE SURFACE SHALL BE TOOL FINISHED FIRST AND THEN BROOM FINISHED WITH TOOLED JOINTS..

4" CEMENT CONCRETE:

8"x8" S4S X 48"

1/2" GALVANIZED EYE BOLT ----

STAND DETAIL

W/WASHER AND NUT RECESS NUT AND PEEN

BOLT THREADS

1/8" MINIMUM THICKNESS

ALUMINUM. INTERIOR SIDE

DIMENSIONS GREATER THAN

GALVANIZED STEEL OR

POST DIMENSIONS.

CEDAR SHAKE ROOF -

LOCKING METAL

6x6 TREATED POST-

MAILBOX STANDARD

METAL POST -

SIDEWALK GRADE -

U.S. POST OFFICE.

1. MAILBOX SHALL BE APPROVED BY THE

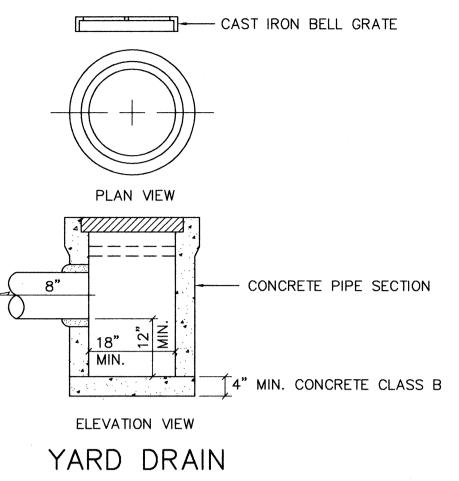
3. METAL PEDESTAL MAY NOT BE REQUIRED

BY THE CITY. WOOD PEDESTALS ARE REQUIRED ON ALL STANDS.

2. ALL BOXES SHALL BE LOCK TYPE.

NOTES:

6. MONOLITHIC CURB AND SIDEWALK POURS SHALL NOT BE ACCEPTED. CONCRETE CURB & GUTTER



2" COMP DEPTH CLASS "B" ASPHALT CONCRETE

GRAVEL BASE MAY BE REQUIRED BY CITY

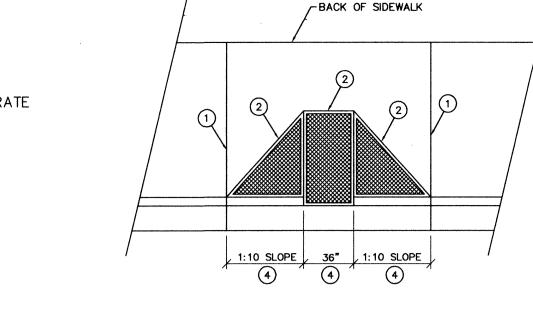
DEPENDING ON SOIL CONDITIONS

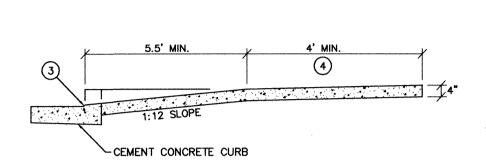
- 4" COMP DEPTH ATB

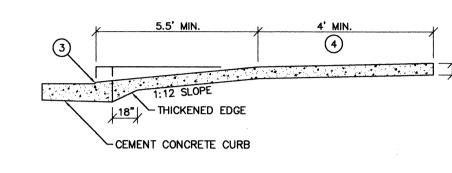
SIDEWALK

-2%

PLANTER





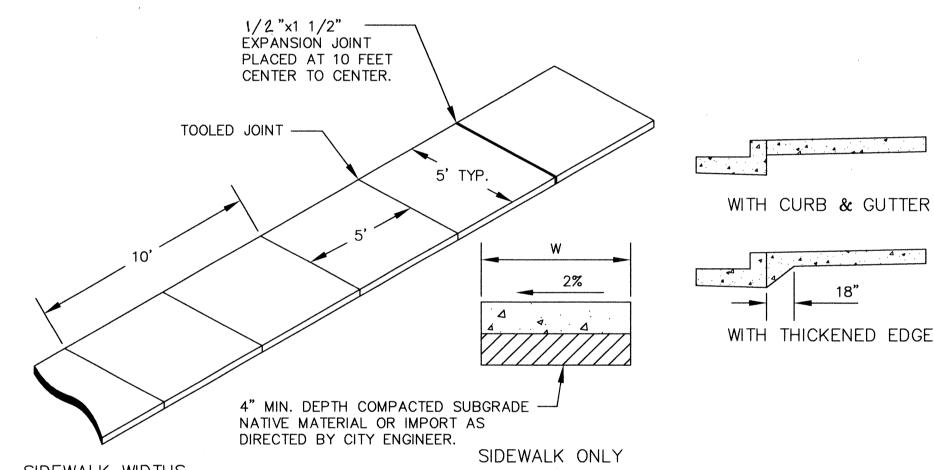


TYPE A CURB RAMP

TYPE A CURB RAMP

NOTES:

- 1. FULL DEPTH EXPANSION JOINT, 3/8" MIN. WIDTH. PREMOLDED JOINT FILLER.
- 2. RAMP TEXTURING IS TO BE DONE WITH AN EXPANDED METAL GRATE PLACED AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN. THE LONG AXIS OF THE DIAMOND PATTERN SHALL BE PERPENDICULAR TO CURB. GROOVES SHALL BE 1/8" DEEP AND 1/4" WIDE.
- 3. 1/2" MAX. LIP AT GUTTER LINE.
- 4. IN LANDING AREA IS LESS THAN 4', DECREASE SIDE RAMP SLOPE TO 1:12.



SIDEWALK WIDTHS RESIDENTIAL & COMMERICAL

W=4 FOOT

W=5 FOOT MULTI-USE SIDEWALK W=6 FOOT BUS STOP W=8 FOOT RESIDENTIAL ALTERNATIVE

NOTES:

- 1. CONCRETE SHALL BE CLASS 3000 AIR ENTRAINED.
- 2. THICKNESS SHALL BE 4" TYPICAL EXCEPT AT DRIVEWAYS WHICH SHALL BE 6" THICK.
- 3. THICKEN EDGE SHALL BE USED ON COMMERCIAL CORNERS AND 2 1/2 FEET ON BOTH SIDE OF A COMMERICAL DRIVEWAY.
- 4. SIDEWALK SHALL DRAIN TOWARD THE STREET.
- 5. BROOM FINISH SURFACE WITH TOOLED JOINTS AND EDGES.
- 6. EXPANSION JOINT MATERIAL MAY BE USED BETWEEN CURB AND SIDEWALK JOINT.

CONCRETE SIDEWALK DETAILS

Why 3x - #5 BARS @ 3" CTRS. CMP +++ -45° MITERED SEC OF CMP REMOVEABLE @ SPLIT COUPLING 3" CTRS. SPLIT COUPLING W/RUBBER GASKET TYPICAL TRASH SCREEN N.T.S.

CITY OF MILL CREEK

EXPIRES 1/16/97

Job No. 95118

ROBINSON G ENGINEERS (RETT, WA 98201 (206) 827-5854

STERG/ k ASSOC. 705 COLBY 206) 259-64

TYPICAL LOCKING MAILBOX STAND

BACK OF CURB-

CONCRETE SIDEWALK

PARKRIDGE LANE

HDEV-320

Designed ME

Drawn <u>M</u>

As-built __

Checked

SITE GRADING AND T.E.S.C.P. NOTES

- 1. NON COMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.
- 2. PRIOR TO ANY SITE CONSTRUCTION TO INCLUDE CLEARING/LOGGING OR GRADING THE SITE/LOT CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR/ENGINEER IS OSTERGAARD—ROBINSON AT (206)259—6445.
- THE DEVELOPER/PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM, ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT'S ENGINEER IS OSTERGAARD—ROBINSON AT (206)259—6445.
- 5. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITY SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON—SITE EROSION HAS PASSED.
- 6. ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS.
 PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- 7. IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT ARE TO FOLLOW COUNTY SPECIFICATIONS AND TO BE DESIGNED AND CERTIFIED BY A CIVIL ENGINEER EXPERIENCED IN SOILS MECHANICS.
- 8. DETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1 SHALL REQUIRE A PERIMETER FENCE PER FENCE CODE. SIDE SLOPE AVERAGING SHALL NOT BE ALLOWED.
- 9. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEED PREFERRED.
- 10. ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.
- 11. T.E.S.C. MEASURES SHALL BE INSTALLED PRIOR TO ANY SITE WORK (SEE ATTACHED DETAILED DRAINAGE PLAN).
- 12. THE DRAINAGE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLAN (SEE ATTACHED).

HYDROSEEDING GENERAL NOTES

- CONSTRUCTION ACCEPTANCE: WILL BE SUBJECT TO A WELL ESTABLISHED GROUND COVER THAT FULFILLS THE REQUIREMENT OF THE APPROVED CONSTRUCTION PLANS.
- 2. ALL DISTURBED AREAS SUCH AS RETENTION FACILITIES, ROADWAY BACK-SLOPES, ETC. SHALL BE SEEDED WITH A PERENNIAL GROUND COVER GRASS TO MINIMIZE EROSION. GRASS SEEDING WILL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY CITY
- 3. PREPARATION OF SURFACE: ALL AREAS TO BE SEEDED SHALL BE CULTIVATED TO THE SATISFACTION OF THE COUNTY INSPECTOR. THIS MAY BE ACCOMPLISHED BY DISCING, RAKING, HARROWING OR OTHER ACCEPTABLE MEANS.
- 4. IMMEDIATE FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT AND LEGUME) WILL BE APPLIED.

 (MINIMUM 80# PER ACRE). THIS IS TO INCLUDE THE FOLLOWING: 20% ANNUAL, PERENNIAL OR HYBRID RYE GRASS, 40% CREEPING RED FESCUE, 40% WHITE CLOVER. HYDROSEED REQUIRED.
- 5. FERTILIZER: SHALL BE APPLIED AT 400# PER ACRE OF 10-20-20 (10 POUNDS PER 1100 SQUARE FEET) OR EQUIVALENT.

MAINTENANCE OF SILTATION BARRIERS

1. SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND

SEC 5, TWP 27N, RGE 5E, W.M.

STORM DRAINAGE NOTES

1. UNLESS OTHERHWISE NOTED, ALL STORM SEWER PIPE SHALL BE CONCRETE (CP)
NONREINFORCED, ASTM C-14 (24" DIAMETER AND LARGER TO BE REINFORCED. ASTM C-76), OR
CORRUGATED METAL (CMP). CMP TO BE GALVANIZED STEEL WITH TREATMENT 1 ASPHALT
COATING OR BETTER, OR CORRUGATED ALUMINUM PIPE, OR AASHTO M274-70 ALUMINIZED STEEL.
ALL PIPES SHALL HAVE RUBBER GASKETS.

COVERAGE REQUIREMENTS FOR 12" PIPE

< 1.0' — REQUIRES RCP (REINFORCED CONCRETE PIPE) MINIMUM

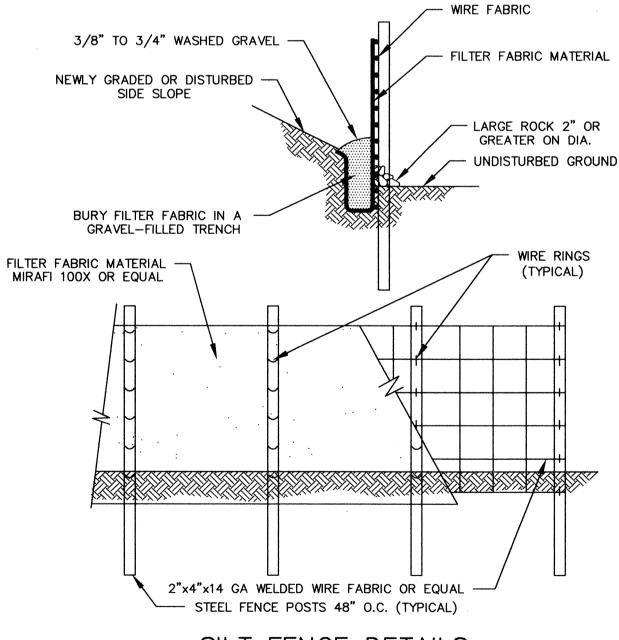
1.0'-1.5' — REQUIRES CP (CONCRETE PIPE) MINIMUM

> 1.5' — REQUIRES 16 GAUGE CMP (CORRUGATED METAL PIPE) MINIMUM

- 2. ALL PIPE SHALL BE PLACED ON STABLE EARTH, OR IF IN THE OPINION OF THE COUNTY INSPECTOR, THE EXISTING FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACK FILLED WITH A GRAVEL MATERIAL TO SUPPORT THE PIPE.
- 3. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE—ARCH IN LAYERS WITH A LOOSE AVERAGE DEPTH OF 6" MAXIMUM DEPTH 8", THOROUGHLY TAMPING EACH LAYER. THESE COMPACTED LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF THE TRENCH. MATERIALS TO COMPLETE THE FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED. (REFER TO SPECIFICATION 2-03.3(14)C, METHOD B & C.
- 4. ALL GRATES (INLET AND CATCH BASIN) SHALL BE DEPRESSED 0.1 FEET BELOW PAVEMENT LEVEL.
- 5. ALL CATCH BASINS TO BE TYPE 1 UNLESS OTHERWISE NOTED.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES JUST PRIOR TO POURING OF CURBS AND PAVING.
- 7. ALL CATCH BASINS WITH A DEPTH OVER 5.0 FEET TO THE FLOW LINE SHALL BE A TYPE II CB (MANHOLE).
- 8. ALL TYPE II CATCH BASIN MANHOLES AND ALL INLET AND CATCH BASINS OUTSIDE OF PUBLIC R/W SHALL HAVE LOCKING LIDS. ROLLED GRATES ARE NOT APPROVED FOR OUTSIDE OF COUNTY RIGHT-OF-WAY OR FOR USE WITH TYPE II MANHOLE.
- 9. STANDARD LADDER STEPS SHALL BE PROVIDED IN ALL CATCH BASINS/MANHOLES EXCEEDING 5 FEET IN DEPTH.
- 10. CATCH BASIN FRAME AND GRATES SHALL BE OLYMPIC FOUNDRY MODEL 5435 OR 5435A LOCKING TYPE OR EQUAL. MODEL 5435A IS REFERRED TO AS A "THROUGH CURB INLET" ON THE PLAN. NO ROLLED CURB GRATES ALLOWED.
- 11. DETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1 SHALL REQUIRE A PERIMETER FENCE PER FENCE CODE. SIDE SLOPE AVERAGING SHALL NOT BE ALLOWED.
- 12. PRIOR TO SIDEWALK CONSTRUCTION, CONSTRUCT THE LOT DRAINAGE AND STUB OUTS AND OR BEHIND SIDEWALK DRAINS AS REQUIRED. STUB OUTS SHALL BE MARKED WITH A 2" X 4" AND LABELED "STORM". LOCATIONS OF THESE INSTALLATIONS SHALL BE PLACED ON THE AS—BUILT CONSTRUCTION PLANS AND SUBMITTED TO THE COUNTY.
- 13. STORM WATER RETENTION/DETENTION FACILITIES STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED PRIOR CITY ACCEPTANCE.

GENERAL NOTES

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF MILL CREEK STANDARDS AND SPECIFICATIONS AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 1994 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AND THE 1989 WSDOT HYDRAULICS MANUAL.
- 2. ALL WORK WITHIN THE SITE AND COUNTY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY INSPECTOR OR HIS DESIGNED REPRESENTATIVE.
- 3. PRIOR TO ANY SITE CONSTRUCTION TO INCLUDE CLEARING/LOGGING OR GRADING THE SITE/LOT CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR/ENGINEER AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR/ENGINEER IS OSTERGAARD—ROBINSON AT (206)259—6445.
- 4. THE DEVELOPER/PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM, ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER IS OSTERGAARD—ROBINSON AT (206)259—6445.
- 5. PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE CITY AT (206) 745–1891 TO SCHEDULE A PRECONSTRUCTION CONFERENCE. DUE TO FIELD CHANGES (REVISIONS), ENGINEERED AS-BUILTS SHALL BE REQUIRED PRIOR TO SITE APPROVAL.
- 6. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITY SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON—SITE EROSION HAS PASSED.
- 7. TRENCH BACK FILL OF NEW UTILITIES AND STORM DRAINAGE FACILITIES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS, AS SPECIFIED IN SECTION 2-03.3(14)C COMPACTING EARTH EMBANKMENTS METHOD B.
- 8. NOW COMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.
- 9. BOND WILL BE PROVIDED IF ROAD REQUIRES OVERLAY.
- 10. RIGHT-OF-WAY USE PERMIT WILL BE PROVIDED AS REQUIRED FOR WORK.



ILT FENCE DETAILS

MAINTENANCE OF SILTATION BARRIERS

1. SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

NOTES:

- 1. LONGITUDINAL TRENCH 2" ASPHALT CLASS B OVERLAY. SEE SEC. 10—03.b.1.d.
- TRANSVERSE TRENCH 2" ASPHALT CLASS B OVERLY WHERE MULTIPLE CROSSINGS BY SAME UTILITY. SEE SEC. 10—03.b.2.d.

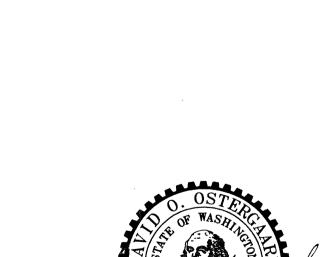
EXISTING PAVEMENT

- 3. LONGITUDINAL TRENCH 6" ACP OR 2" ACP + 4" ATB SEE SEC. 10-03.b.1.c. TRANSVERSE TRENCH 8" ACP OR 2" ACP + 6" ATB SEE SEC. 10-03.b.2.c.
- TRANSVERSE TRENCH 8" ACP OR 2" ACP + 6" ATB SEE SEC. 10-03.b.2.c
- 4. NATIVE MATERIAL, BANK RUN GRAVEL, OR CONTROL DENSITY FILL. SEE SEC. 10-03 & 10-04.

8. SEE TEST SECTION 10-02 FOR DEPTHS OF COVER.

- 5. NEAT LINE CUT, CLEAN, HEAT & TACK EDGES WITH SEALER SS-1 & SEAL WITH HOT ASPHALT CEMENT.
- 6. TEMPORARY RESTORATION OF TRENCHES FOR OVERNIGHT USE SHALL BE ACCOMPLISHED BY USING COLD MIX, ATB, OR STEEL PLATES.
- 7. PATCH SHALL BE MACHINE ROLLED FLUSH WITH EXISTING PAVEMENT AND SHALL BE PLACED PER SECTION 5-04 OF THE WSDOT/APWA SPECIFICATIONS.
 - SEE TEXT SECTION 10-02, 10-03, 10-04

UTILITY TRENCH RESTORATION AND BACKFILL



?RIP RAP TO BE REASONABLY WELL GRADED WITH ROCK GRADATION AS FOLLOWS:

MAXIMUM STONE SIZE 8" (NOMINAL DIAMETER)
MEDIAN STONE SIZE 6"
MINIMUM STONE SIZE 4"

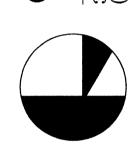
CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
BY July July

EXPIRES 1/16/97

19/95 REVISION
19/95 REVISED PER CITY OF MILLEREEK

• ROBINSON
ONSULTING ENGINEERS
EVERETT, WA 98201
BELLEVUE: (206) 827-5854

OSTERGAARD
& ASSOC. INC. CONSU
3705 COLBY AVE. #1
(206) 259-6445 BELL



LANE BRAINAGE

KAIDGE L.
SNOHOMISH COUNTY
STORM DRAI

Designed ME,CP
Checked

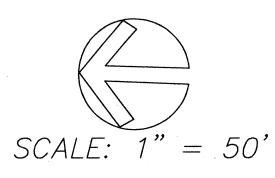
Drawn ME,CP
Checked

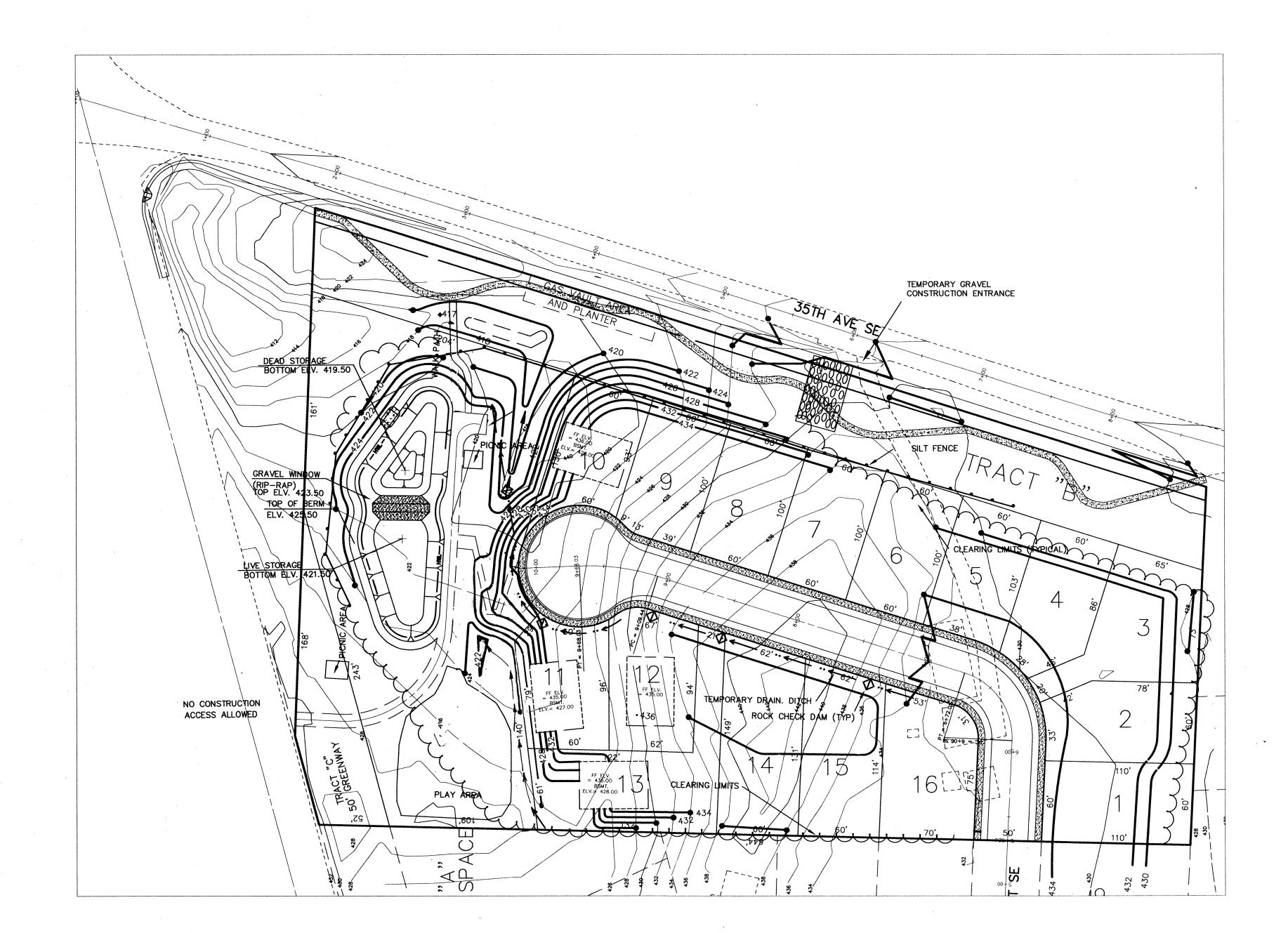
As-built

 $\binom{\mathsf{Sheet}}{\mathsf{6}} / \mathsf{8}$

95118

HDEV - 321





NOT

1. ALL TEMPORARY PONDS TO BE FIELD LOCATED WITH APPROVAL OF CITY.

2. CLEARING LIMITS TO BE FENCED AND APPROVED BY THE CITY PRIOR TO ANY COMMENCEMENT OF WORK.

3. SEE SHT. 7/7 FOR SEDIMENT TRAP DIMENSIONS



CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
BY ________

DATE

REVISION

0/19/95 REVISED PER CITY OF MILL CREEK

...

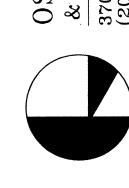
• ROBINSON

NSULTING ENGINEERS

EVERETT, WA 98201

BELLEVUE: (206) 827-5854

OSTERGAARD & ASSOC. INC. CON 3705 COLBY AVE. #1



DATKEEK

GRADING

CITY OF MILL CREEK

Designed ME,CP
Checked

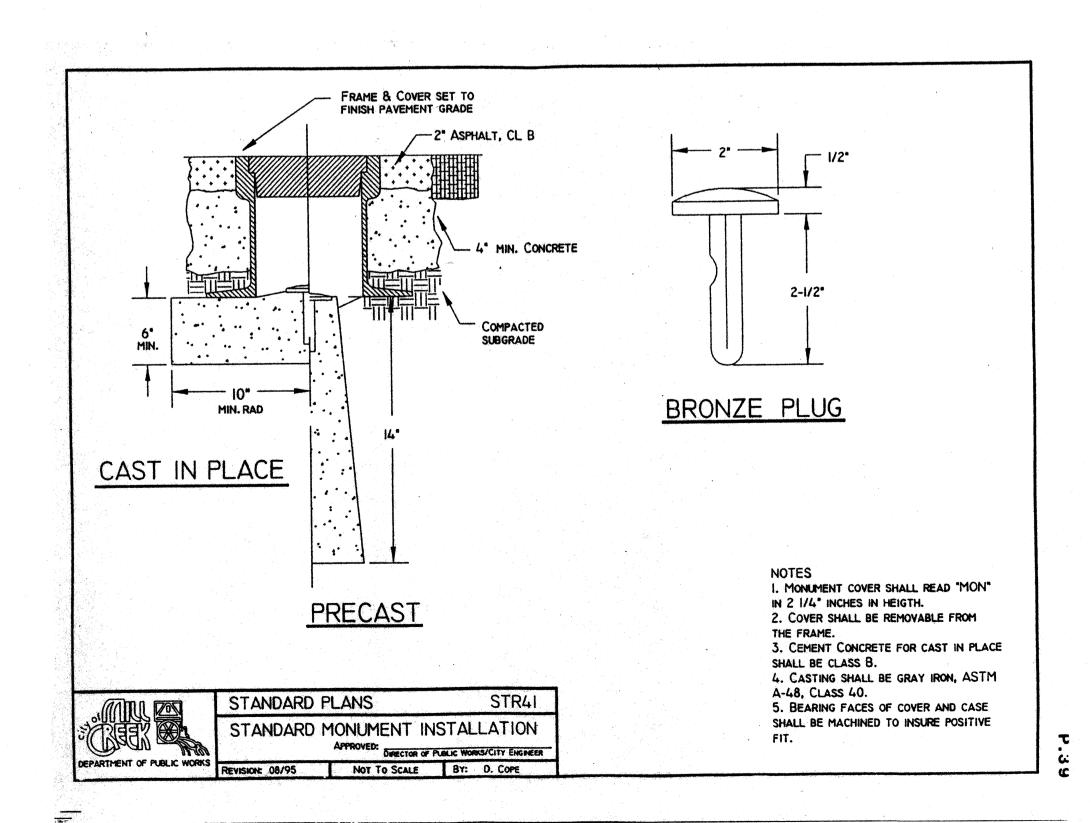
Drawn ME,CP
Checked

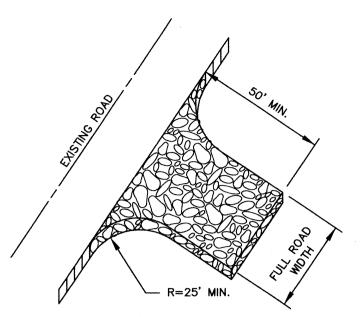
As-built

 $\begin{bmatrix} \text{Sheet} & \text{of} \\ 7 & \end{bmatrix}$

Job No. 95118

STREET NAME SIGN DETAIL

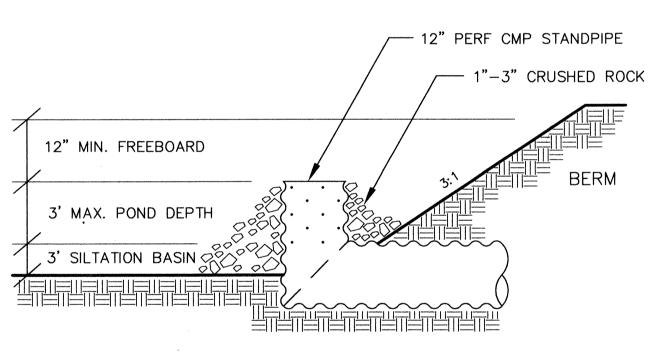




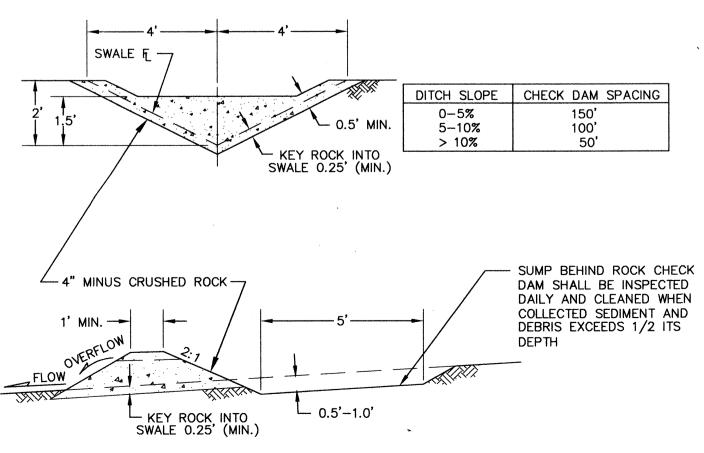
GRAVEL CONSTRUCTION ENTRANCE

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

- 1. INSTALLATION: THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL. THE GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 2. AGGREGATE: 4" TO 6" CRUSHED BALLAST ROCK
- 3. ENTRANCE DIMENSIONS: THE AGGREGATE LAYER MUST BE AT LEAST 6 INCHES THICK. IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 50 FEET.
- 4. WASHING: IF CONDITIONS ON THE SITE ARE SUCH THAT MOST OF THE MUD IS NOT REMOVED FROM VEHICLE TIRES BY CONTACT WITH THE GRAVEL, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
- 5. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD TO PUBLIC RIGHTS—OF—WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2—INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.



TEMP. STANDPIPE DETAIL

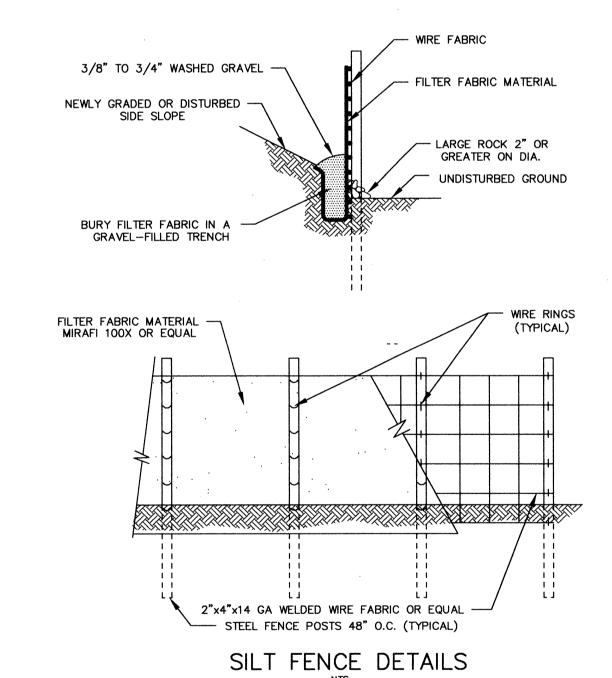


ROCK CHECK DAM DETAILS

SITE GRADING AND T.E.S.C.P. NOTES

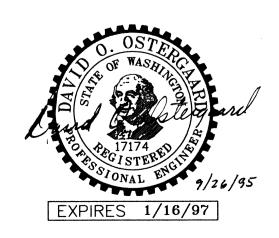
- 1. PRIOR TO ANY SITE CONSTRUCTION TO INCLUDE CLEARING/LOGGING OR GRADING THE SITE/LOT CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR/ENGINEER AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR/ENGINEER IS OSTERGAARD-ROBINSON AT (206) 259-6445.
- 2. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON—SITE EROSION HAS PASSED.
- 3. ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS. PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- 4. IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT SHALL BE DESIGNED AND CERTIFIED BY A CIVIL ENGINEER EXPERIENCED IN SOILS MECHANICS.
- 5. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEED PREFERRED.
- 6. ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.
- 7. ALL DISTURBED AREAS SUCH AS RETENTION FACILITIES, ROADWAY BACK—SLOPES, ETC. SHALL BE SEEDED WITH A PERENNIAL GROUND COVER GRASS TO MINIMIZE EROSION. GRASS SEEDING WILL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY THE CITY OF MILL CREEK.
- 8. IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT AND LEGUME) WILL BE APPLIED. (MINIMUM 80# PER ACRE). THIS IS TO INCLUDE THE FOLLOWING: 20% ANNUAL, PERENNIAL OR HYBRID RYE GRASS 40% CREEPING RED FESCUE 40% WHITE CLOVER
- 9. FERTILIZER: SHALL BE APPLIED AT 400# PER ACRE OF 10-20-20 (10 POUNDS PER 1100 SQUARE FEET) OR EQUIVALENT.

HYDROSEED REQUIRED.



MAINTENANCE OF SILTATION BARRIERS

1. SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE—HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.



CITY OF MILL CREEK
ROVED FOR CONSTRUCTION

Due Sml

DATE

9/26/95

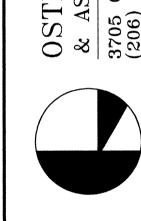
REVISED PER CITY REVIEW

10/19/95

REVISED PER CITY OF MILL CREEK

CP

SSOC. INC. CONSULTING ENGINEE COLBY AVE. #1 EVERETT, WA 982 259-6445 BELLEVUE: (206) 827-58



AKAIDGE LANE Noing to The Such

Designed ME
Checked

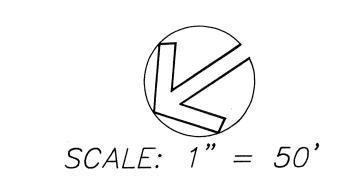
Drawn ME
Checked

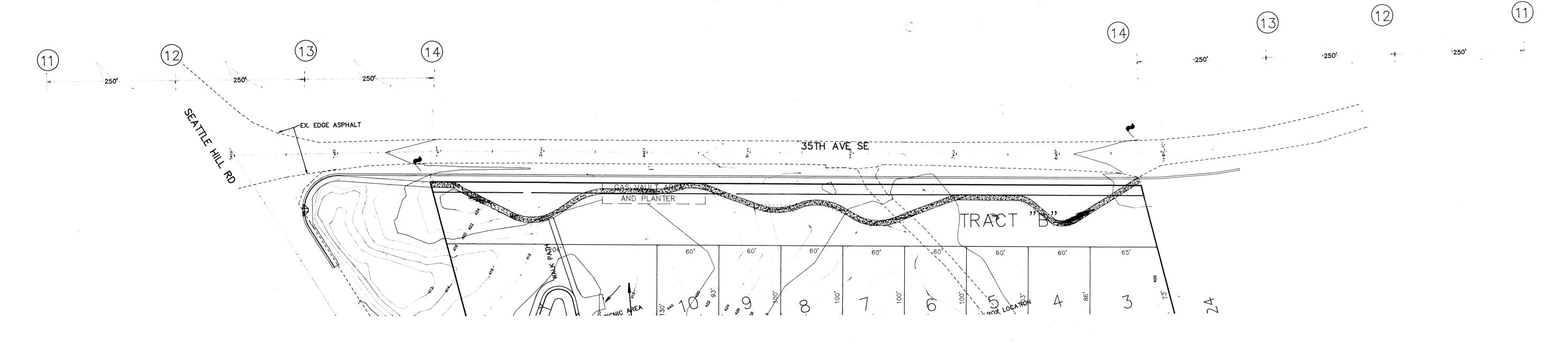
As-built

 $\frac{\mathsf{Sheet}}{\mathsf{8}} / \mathsf{8}$

95118

HDEV- 323

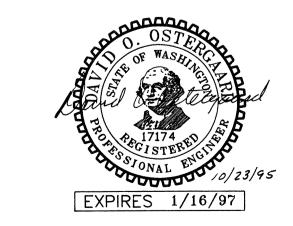




NOTES:

- APPROVED PERMANENT TRAFFIC CONTROL SIGNS AND MARKINGS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE INSTALLED BY COUNTY FORCES.
- APPROVED TRAFFIC CONTROL SIGNS AND MARKINGS ON PRIVATE PROPERTY SHALL BE PROVIDED, INSTALLED AND MAINTAINED BY THE
- 3. CONSTRUCTION SINGS AND DELINEATORS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.
- 4. A RIGHT-OF-WAY USE PERMIT IS REQUIRED FROM THE DEPARTMENT OF PUBLIC WORKS FOR ANY LAND/ROAD CLOSURE. CONTACT PUBLIC WORKS AT 388-6408 AT LEAST 15 DAYS PRIOR TO CONSTRUCTION ACTIVITY WITHIN THE PUBLIC RIGHT-OF-WAY.
- 5. ALL FLAGGERS ARE TO BE EQUIPPED WITH ORANGE SAFETY VESTS AND HEAD GEAR APPROPRIATE FOR FLAGGING TRAFFIC WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL HAVE VALID FLAGGING CARDS FROM THE DEPARTMENT OF LABOR AND INDUSTRIES.
- 6. AFTER WORK WITHIN THE TRAVELED ROADWAY IS COMPLETED AT THE END OF EACH DAY THE ROAD SHALL BE CLEAR OF DEBRIS AND EQUIPMENT AND COMPLETELY OPEN TO TRAFFIC. ANY EQUIPMENT OR CONSTRUCTION MATERIALS LEFT WITHIN THE PUBLIC RIGHT-OF-WAY SHALL HAVE LIGHTED TYPE II BARRICADES AROUND THEM. ALL NONAPPLICABLE SIGNS SHALL BE REMOVED, TURNED OR COVERED DAILY WHEN CONDITION NO LONGER
- 7. SNOHOMISH COUNTY DOES NOT HAVE JURISDICTION ON STATE ROUTES. THE ROADS WITHIN INCORPORATED CITIES, PRIVATE ROADS OR ON PRIVATE PROPERTY. FOR ANY RELATED ACTIVITY ENCROACHING ON SUCH PROPERTY THE APPLICANT SHOULD OBTAIN PERMISSION FROM THE APPROPRIATE AUTHORITY.
- 8. ACCESS BY EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

CHANNELIZATION & SIGNING SCHEDULE			
PLAN CODE	MUTCB CODE	TYPE	QUANITY
11)	W20-70	FLAGGER FEET	2
12	W20-40	ONE LANE ROAD FEET	2
13	W20-1	ROAD CONSTRUCTION © FEET	2
(14)	G20-2	END CONSTRUCTION	2
1		FLAGGER	2



SNOHOMISH COUNTY

DEPARTMENT OF PUBLIC WORKS

CHANNELIZATION AND SIGNING APPROVED FOR INSTALLATION JAMES BLOODGOOD P.E. TRAFFIC ENGINEER

CITY OF MILL CREEK



Designed ME,CP Checked _____ Drawn ME,CP Checked .

95118

PARKRIDGE LANE

HDEV - 324