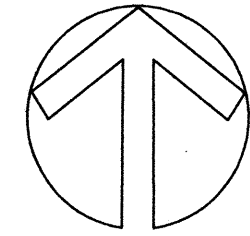


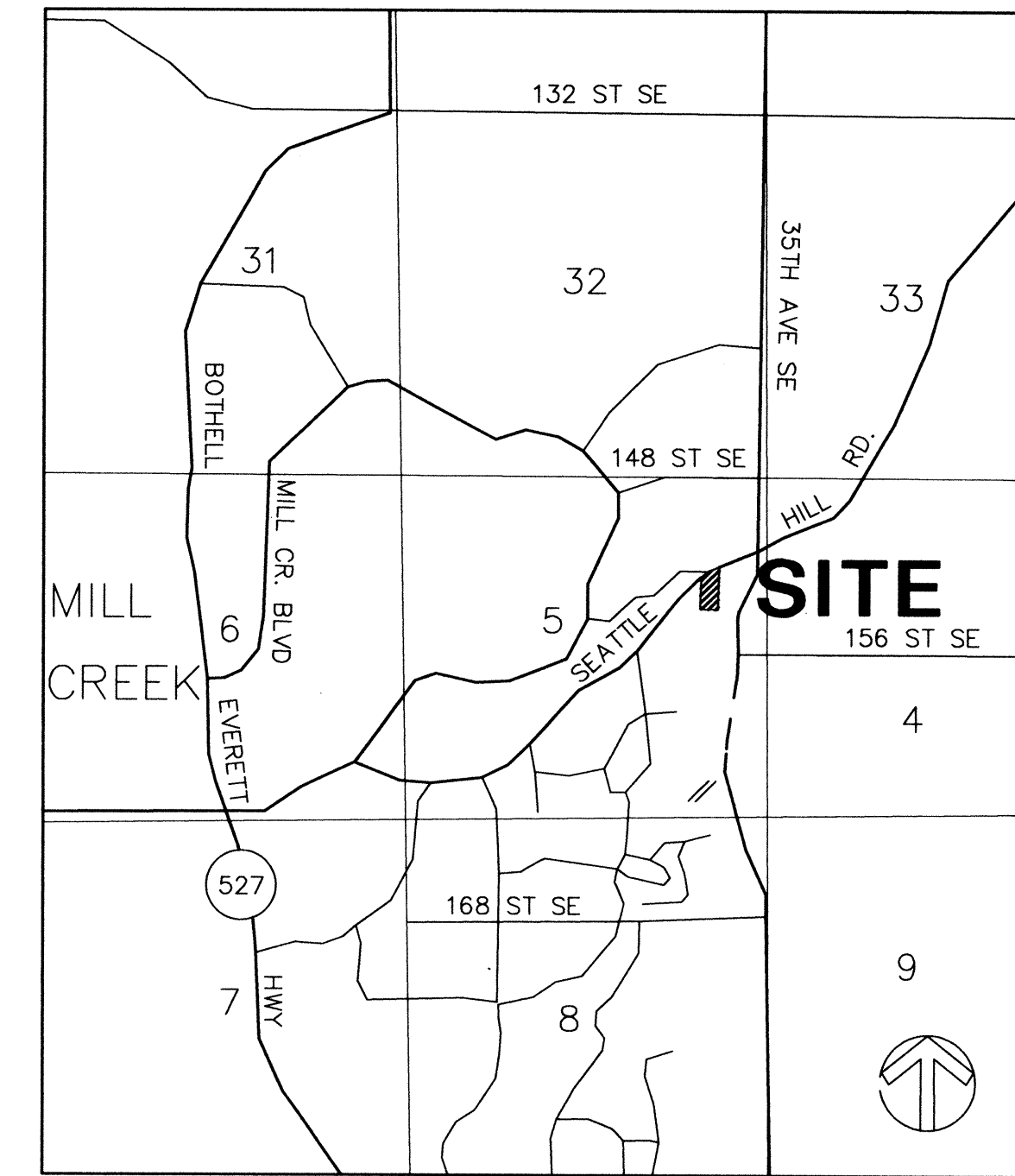
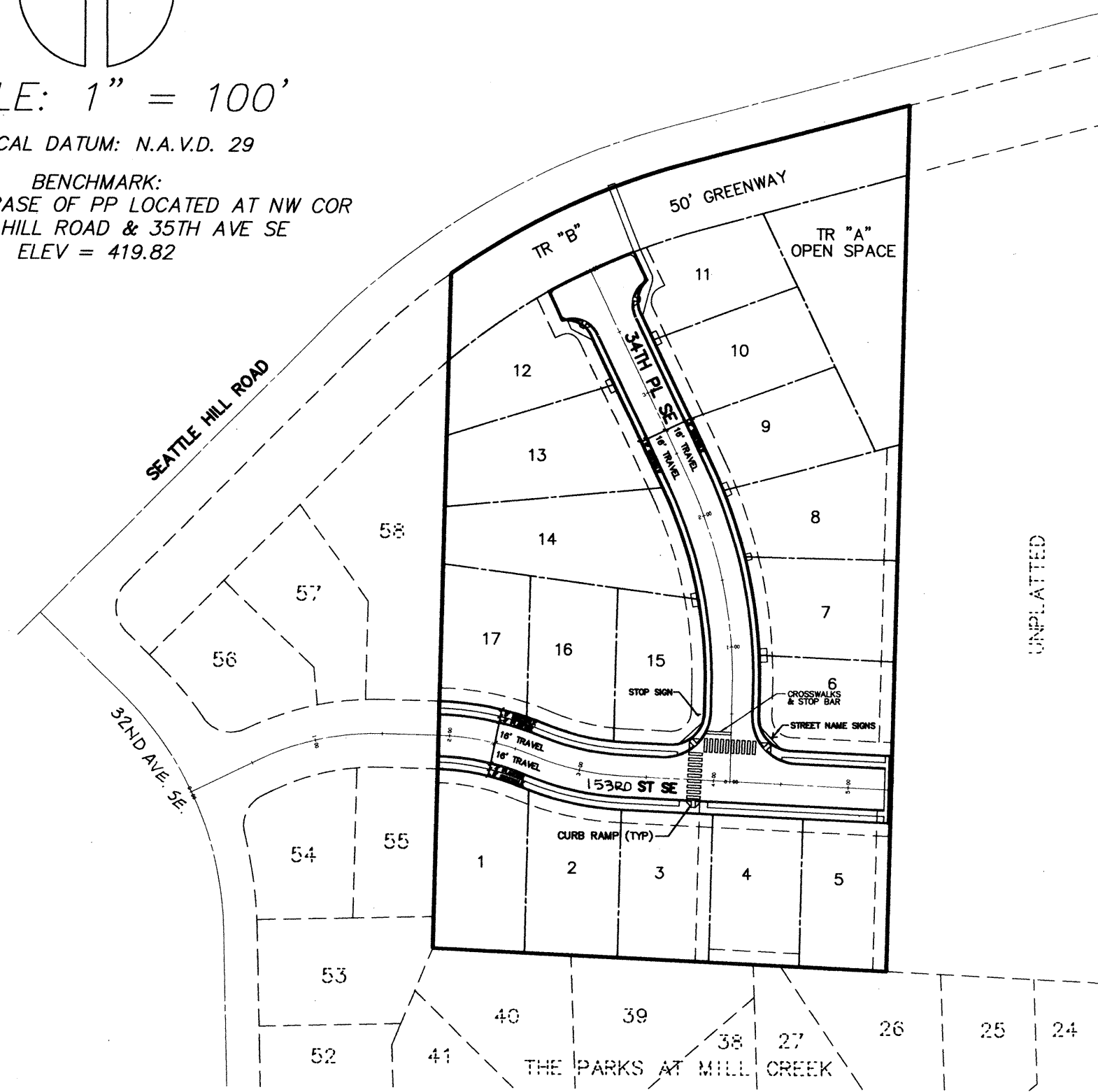
SEC 5, TWP 27N, RGE 5E, W.M.



SCALE: 1" = 100'

VERTICAL DATUM: N.A.V.D. 29

BENCHMARK:
RR SPIKE AT BASE OF PP LOCATED AT NW COR
SEATTLE HILL ROAD & 35TH AVE SE
ELEV = 419.82



VICINITY MAP
SCALE: 1" = 2560'

HOLLYMERE

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:

REYKDAL HOMES
8908 EASTVIEW AVENUE
EVERETT, WASHINGTON 98208
(206) 337-2429

ENGINEER:

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

SURVEYOR:

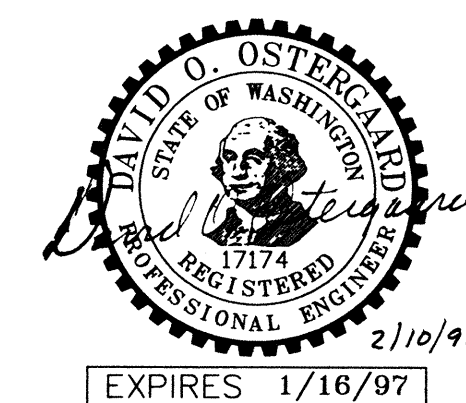
OSTERGAARD-ROBINSON & ASSOCIATES, INC.
3630 COLBY AVENUE
EVERETT, WASHINGTON 98201
(206) 259-6445

UTILITY DATA:

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

TABLE OF CONTENTS:

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ROAD & STORM DRAINAGE:	
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PROFILE	3/7
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NOTES & DETAILS	5/7
GRADING & TESCOP:	
PLAN	6/7
NOTES & DETAILS	7/7



CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
BY *[Signature]*
23 FEB 95

DATE	REVISION	REV PER CITY	REV CLIENT
11/9/94			
2/10/95			

REV PER CITY: LDR ME
REV CLIENT: ME

OSTERGAARD • ME ROBINSON
& ASSOC. INC. CONSULTING ENGINEERS
3705 COLBY AVE. #1
(206) 259-6445 BELLEVUE: (206) 827-6854
EVERETT, WA 98201

HOLLYMERE WASHINGTON
COVER SHEET

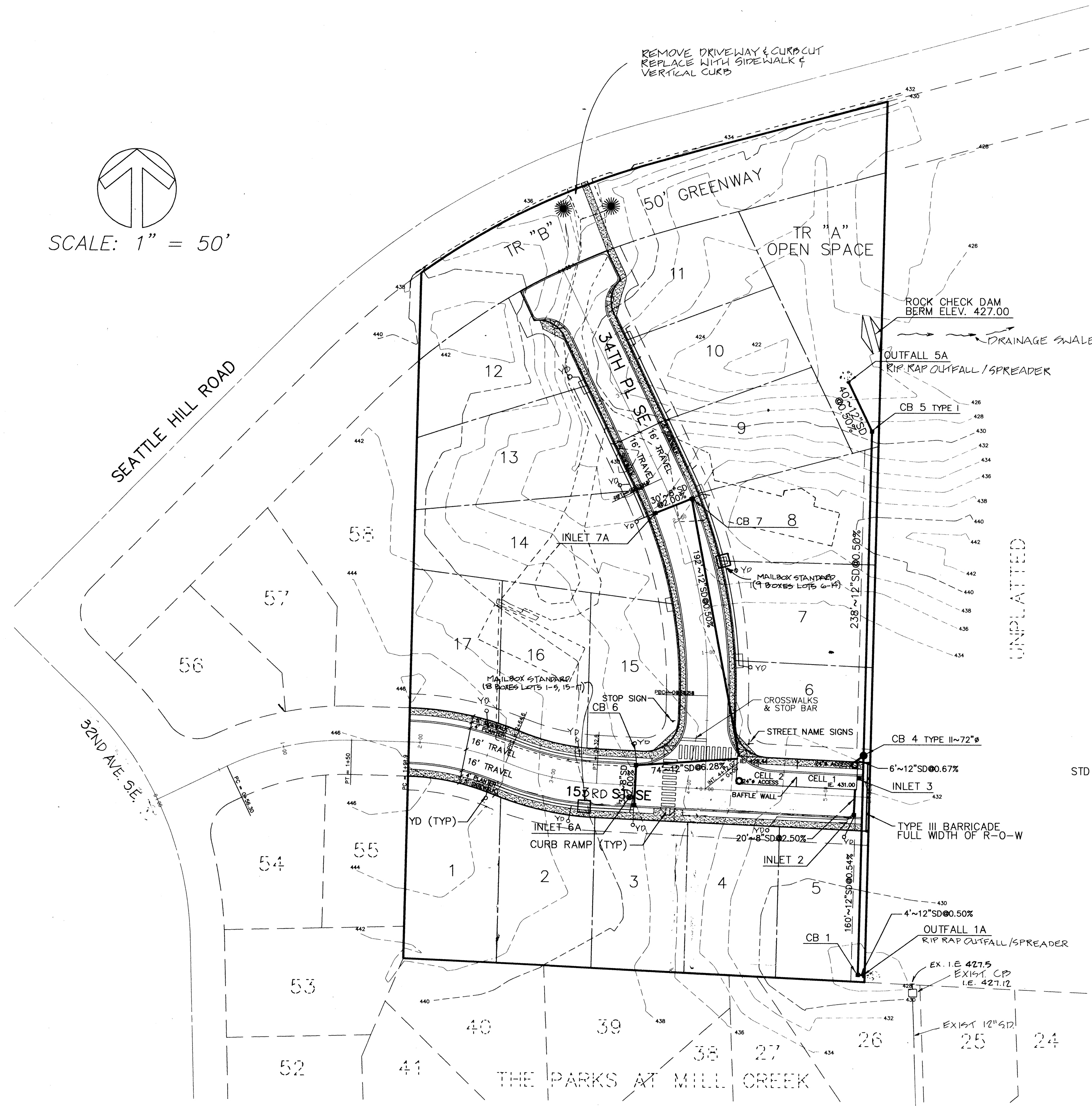
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Checked BRL	_____
Drawn ME	_____
Checked	_____
As-built	_____

Sheet 1 of 7

Job No. 94107

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

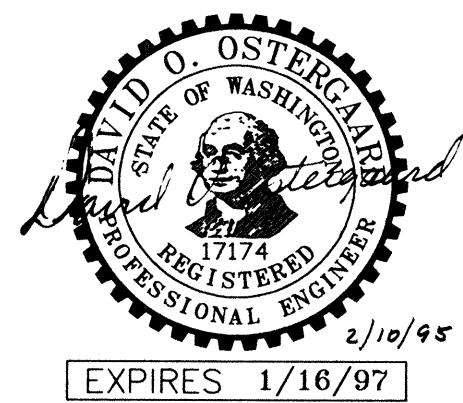
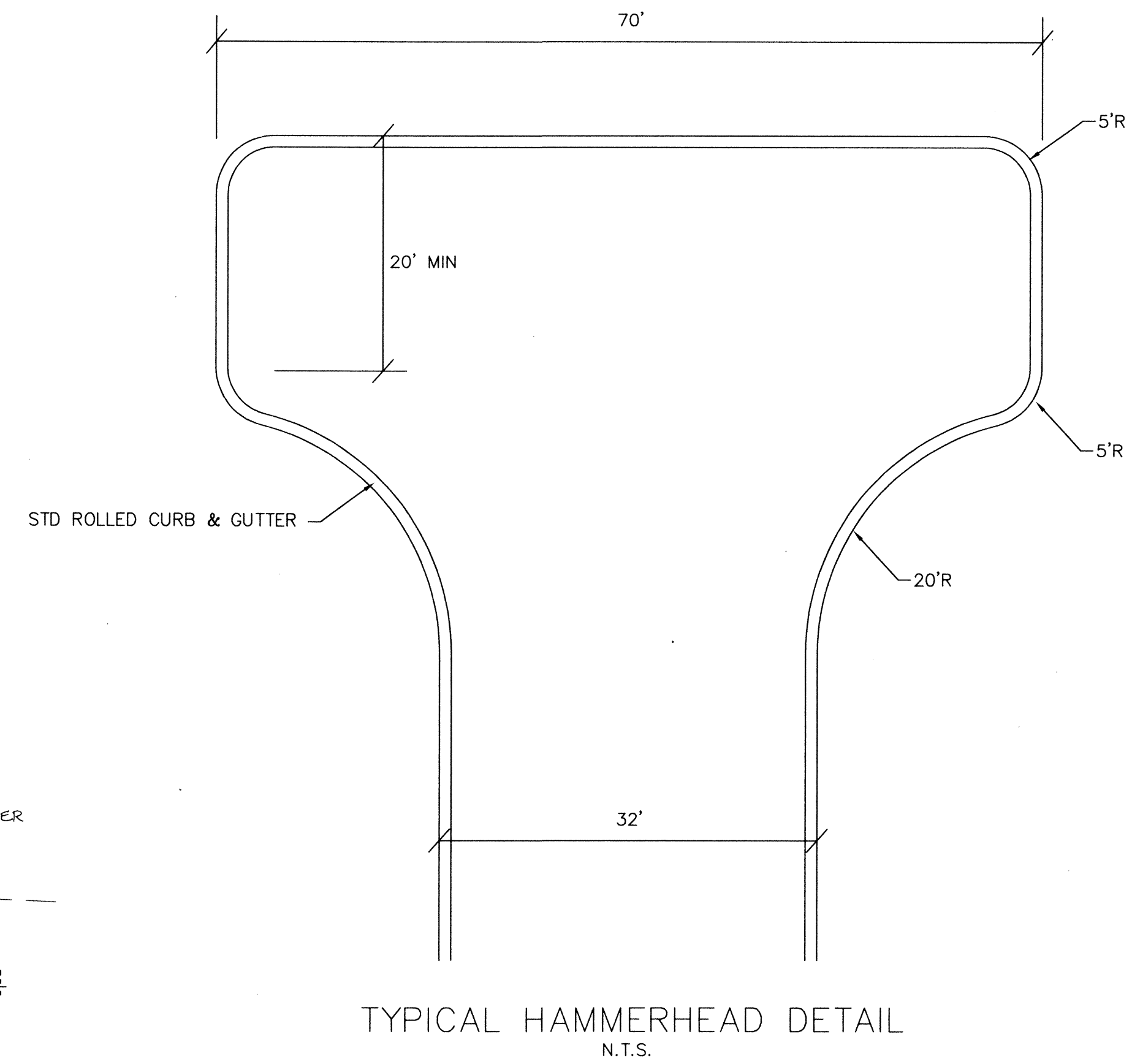
SCALE: 1" = 50'



NOTE: YARD DRAIN STUBS TO BE INSTALLED AT 1/2" TO PROVIDE TOTAL LOT DRAINAGE EXCEPT FOR LOTS 8 THRU 11. LOTS 8 THRU 11 IE MUST PROVIDE FOR ROOF & FOOTING DRAINAGE

STORM DRAIN TABLE

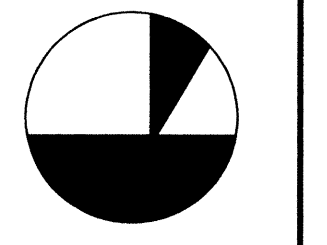
STRUCTURE	STATION	OFFSET	TOP	INVERT	PIPE	NOTES
CB 1	5+25	140'RT	430.25	427.72	12	TYPE I W/SOLID LOCKING LID
OUTFALL 1A	5+29	140'RT	---	427.70	12	W/RIP-RAP
INLET 2	5+19	14.50'RT	435.00	431.50	8	
VAULT IE (2A)	5+19	5.00'LT	---	431.00	8	
INLET 3	5+19	14.50'LT	435.00	431.00		TYPE I
CB 4	5+25	30.00'LT	436.00	428.58(S)	12	TYPE II~72"Ø
VAULT IE (4A)	5+19	25.00'LT	---	426.84(N)	12	
CB 5	5+25	256'LT	429.00	425.65	12	TYPE I W/SOLID LOCKING LID
OUTFALL 5A	5+07	293'LT	---	425.45	12	W/RIP-RAP
CB 6	3+59	14.50'LT	437.64	434.40	8	TYPE I
VAULT IE (6B)	4+33	22.00'LT	---	434.09	12	
INLET 6A	3+59	14.50'RT	437.64	429.44	12	
CB 7	2+00	14.37'RT	433.51	430.74	8	TYPE I W/THRU CURB GRATE
INLET 7A	2+00	14.37'LT	433.51	430.40	12	
				431.34	8	W/THRU CURB GRATE



CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
23 FEB 95

DATE	REVISION	BY
1/27/95 <td>REV PER CITY <td>ME</td> </td>	REV PER CITY <td>ME</td>	ME
2/10/95 <td>REV CLIENT <td>ME</td> </td>	REV CLIENT <td>ME</td>	ME
2/11/95 <td>REV PER CITY <td>CP</td> </td>	REV PER CITY <td>CP</td>	CP

OSTERGAARD • ROBINSON
& ASSOC. INC. CONSULTING ENGINEERS
3705 COLBY AVE. #1 BELLEVUE, WA 98001
(206) 259-6445



HOLLYMERE
ROAD + STORM DRAINAGE
PLAN
CITY OF MILL CREEK

Designed ME
Checked BRL
Drawn ME
Checked
As-built

Sheet 2 of 7

Job No. 94107

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

BY	ME
ME	ME
REVISION	
REV PER CITY	
REV CLIENT	
DATE	1/27/95
	2/10/95

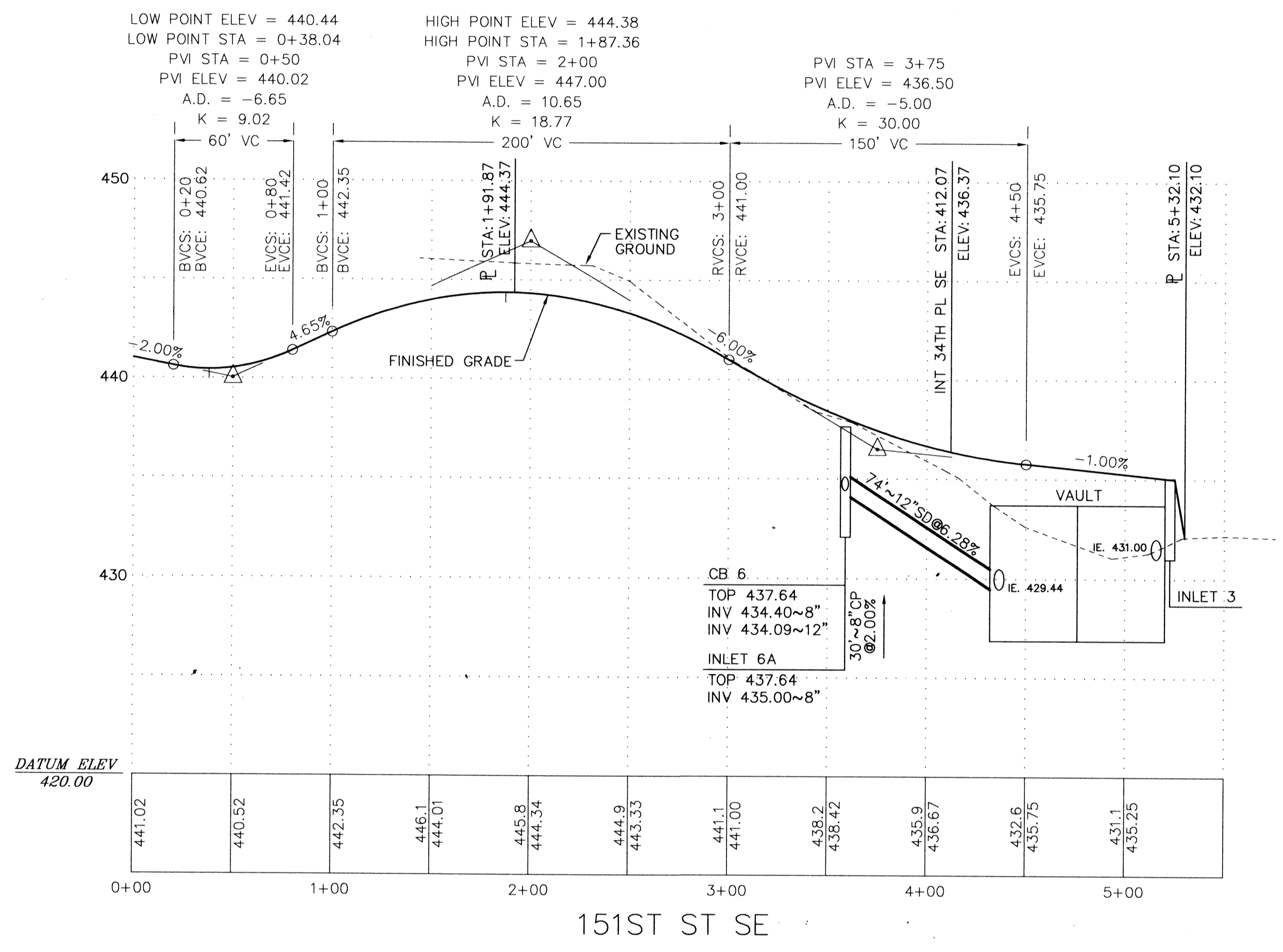
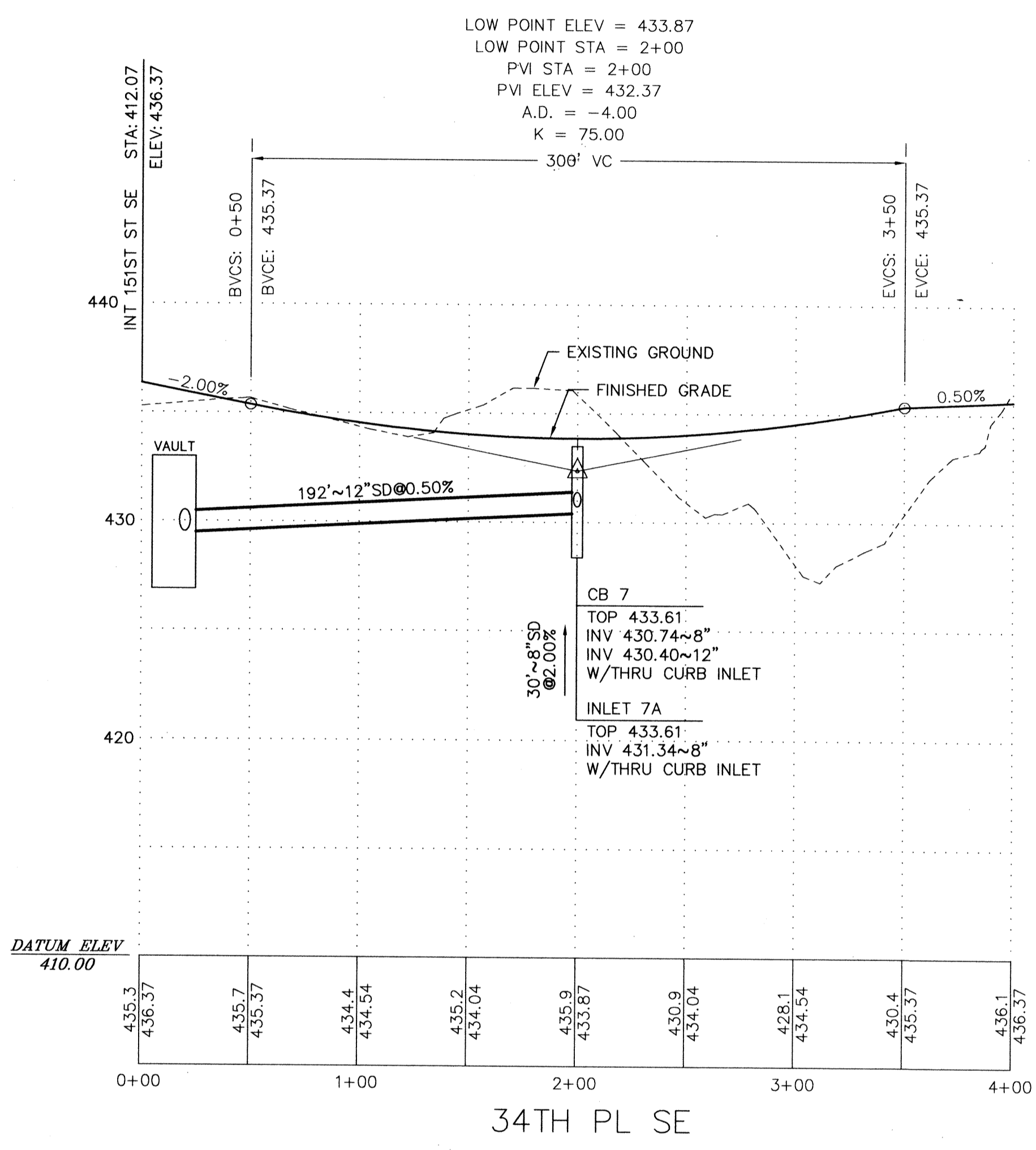
OSTERGAARD • ROBINSON
 & ASSOC. INC. CONSULTING ENGINEERS
 3705 COLBY AVE. #1
 BELLEVUE, WA 98001
 (206) 259-6445 BELLEVUE: (206) 827-5854

HOLLYMERE
 ROAD + STORM DRAINAGE
 WASHINGTON
 CITY OF MILL CREEK

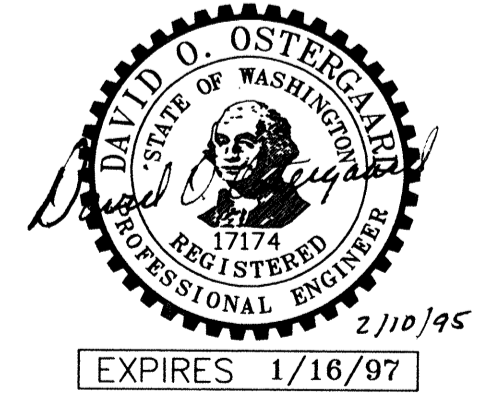
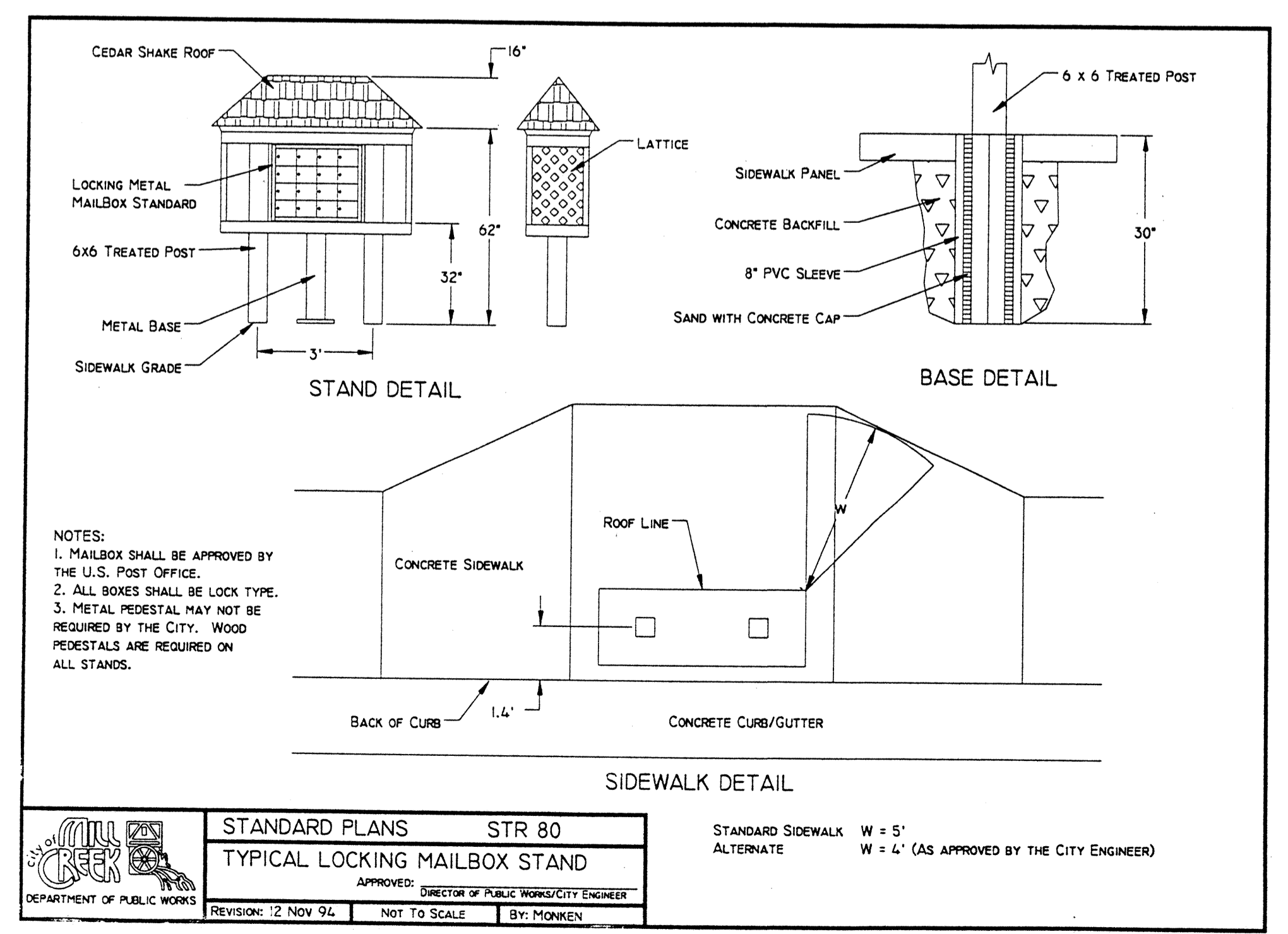
Designed	ME
Checked	BRL
Drawn	ME
Checked	
As-built	

Sheet 3 of 7

Job No. 94107



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



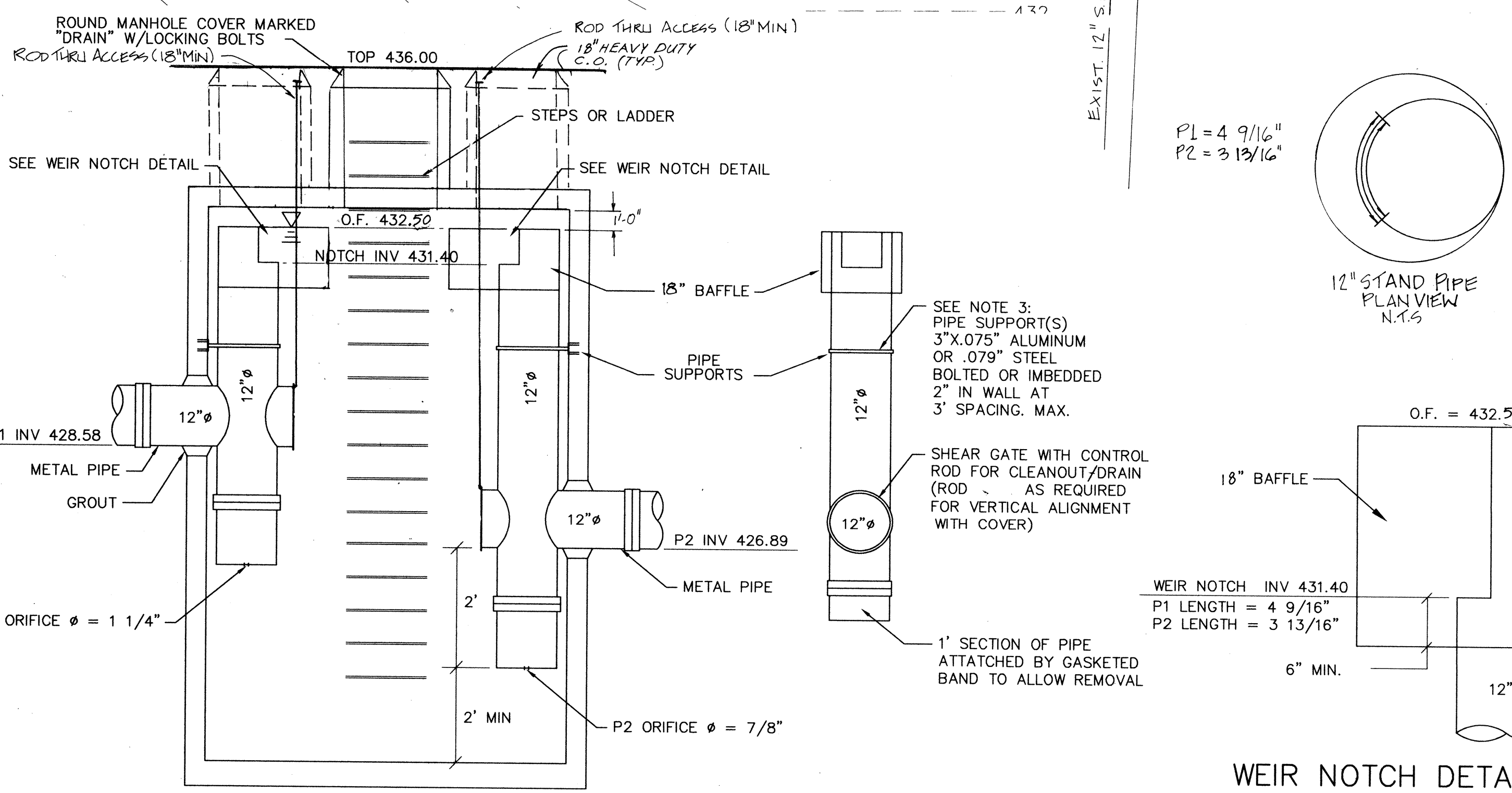
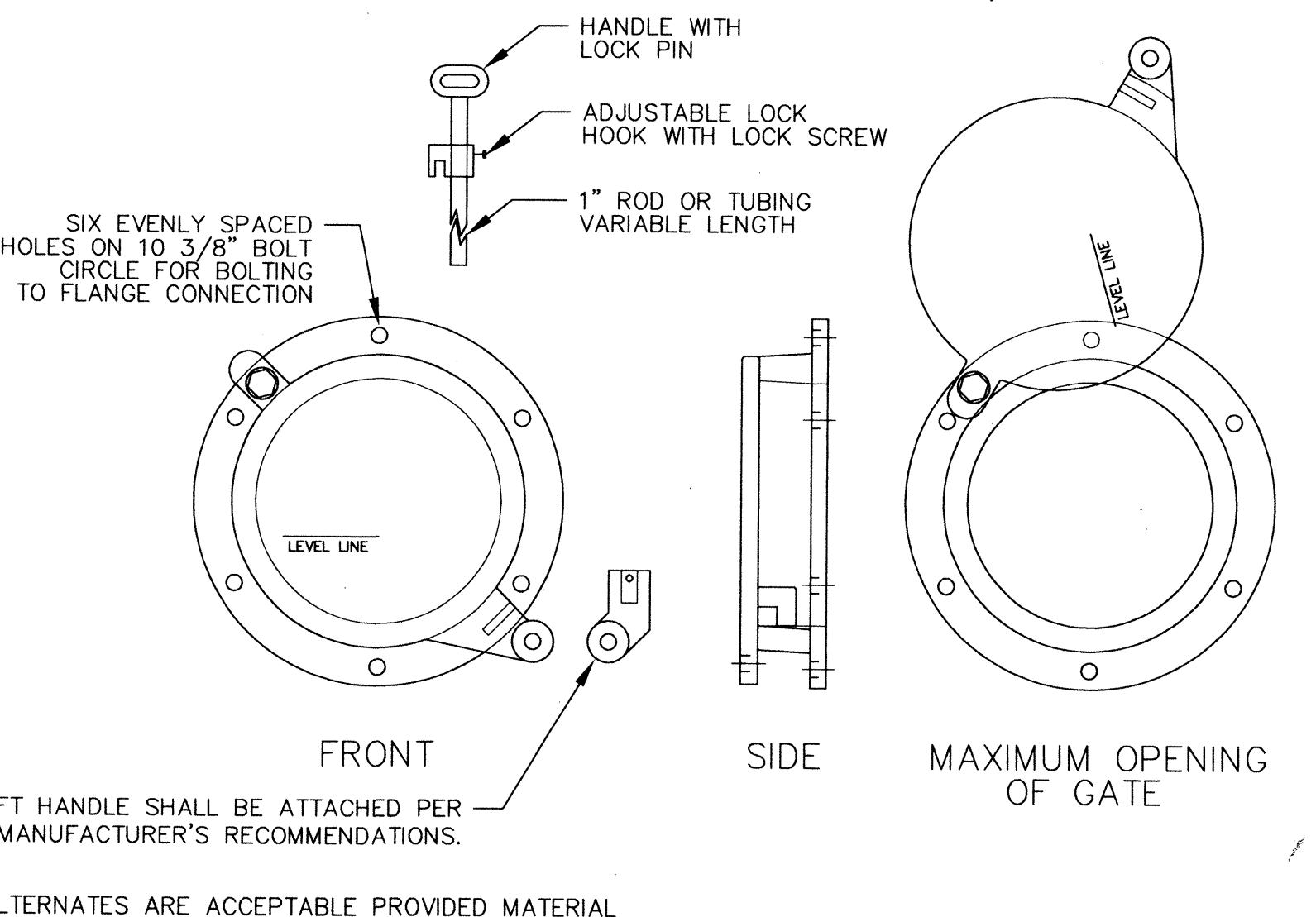
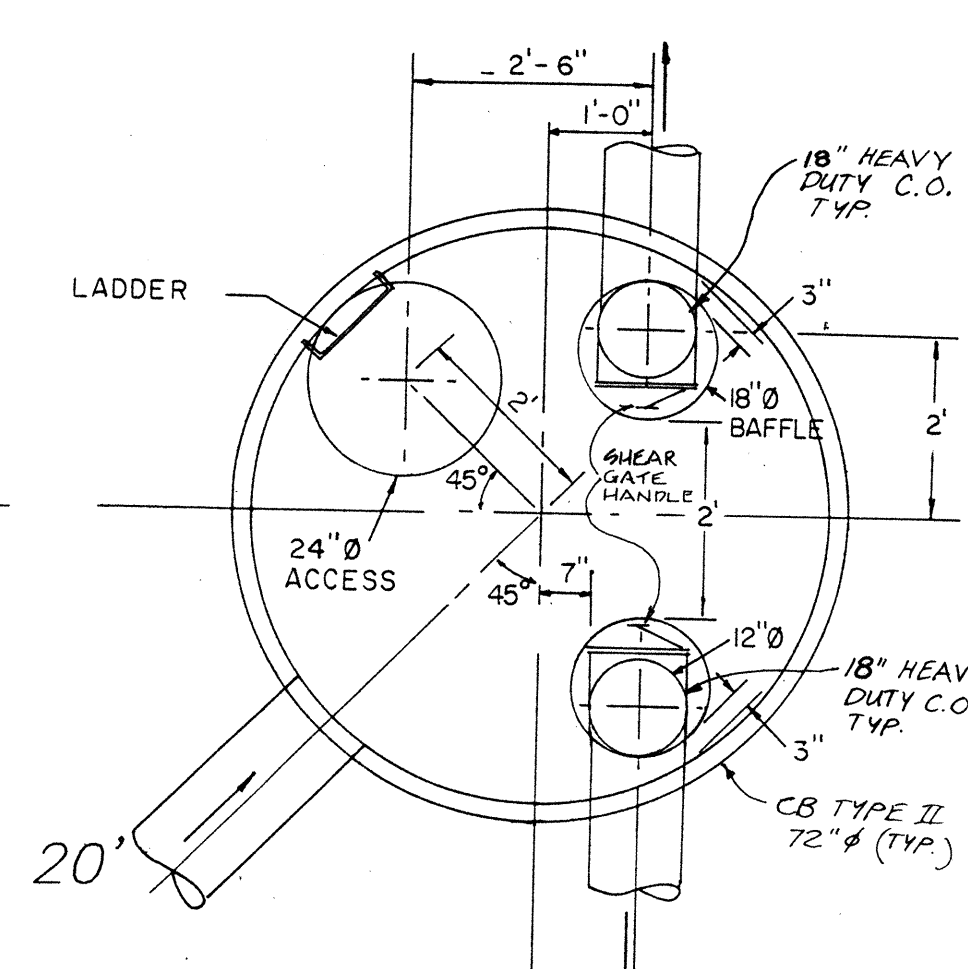
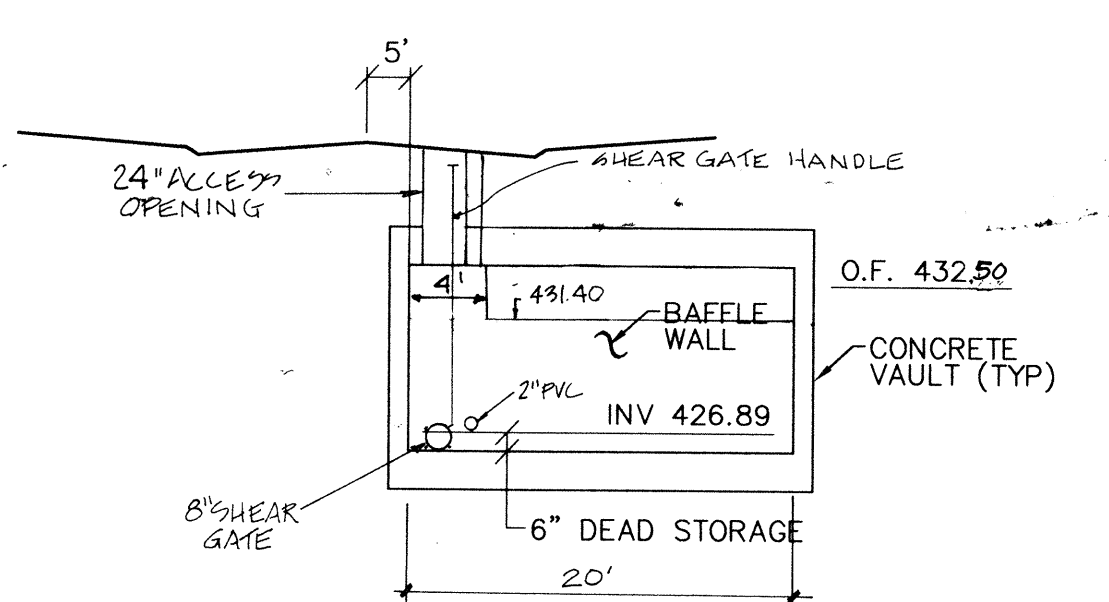
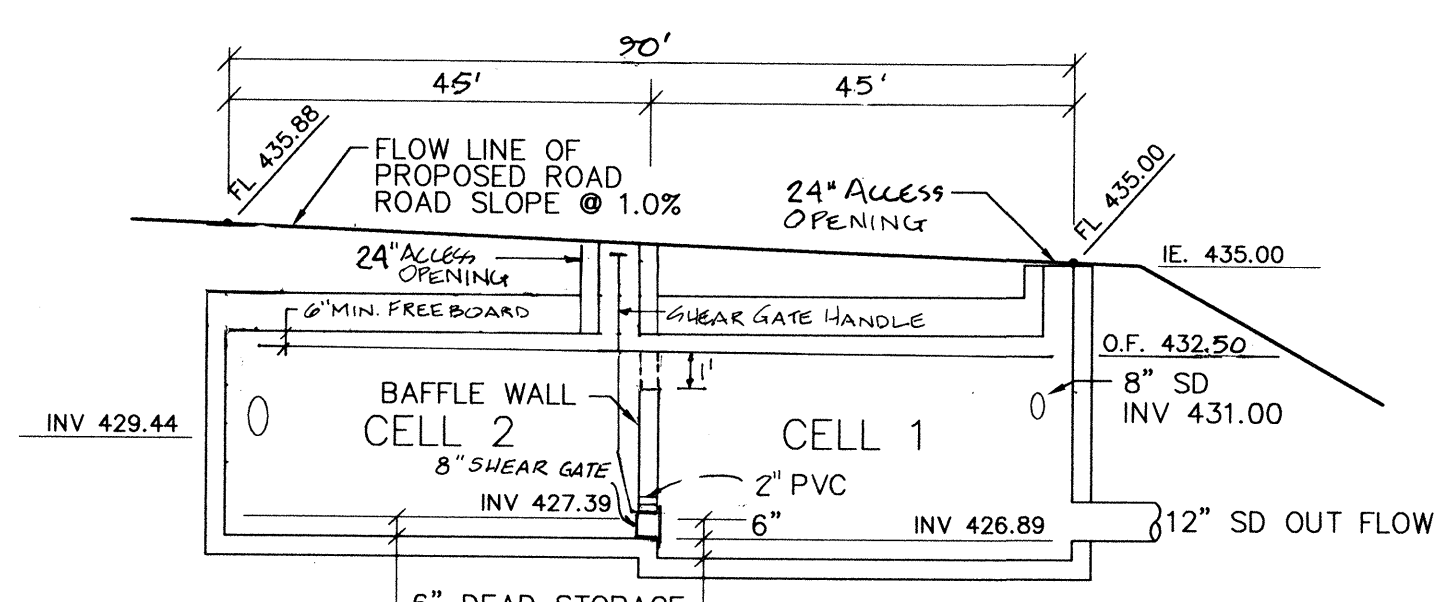
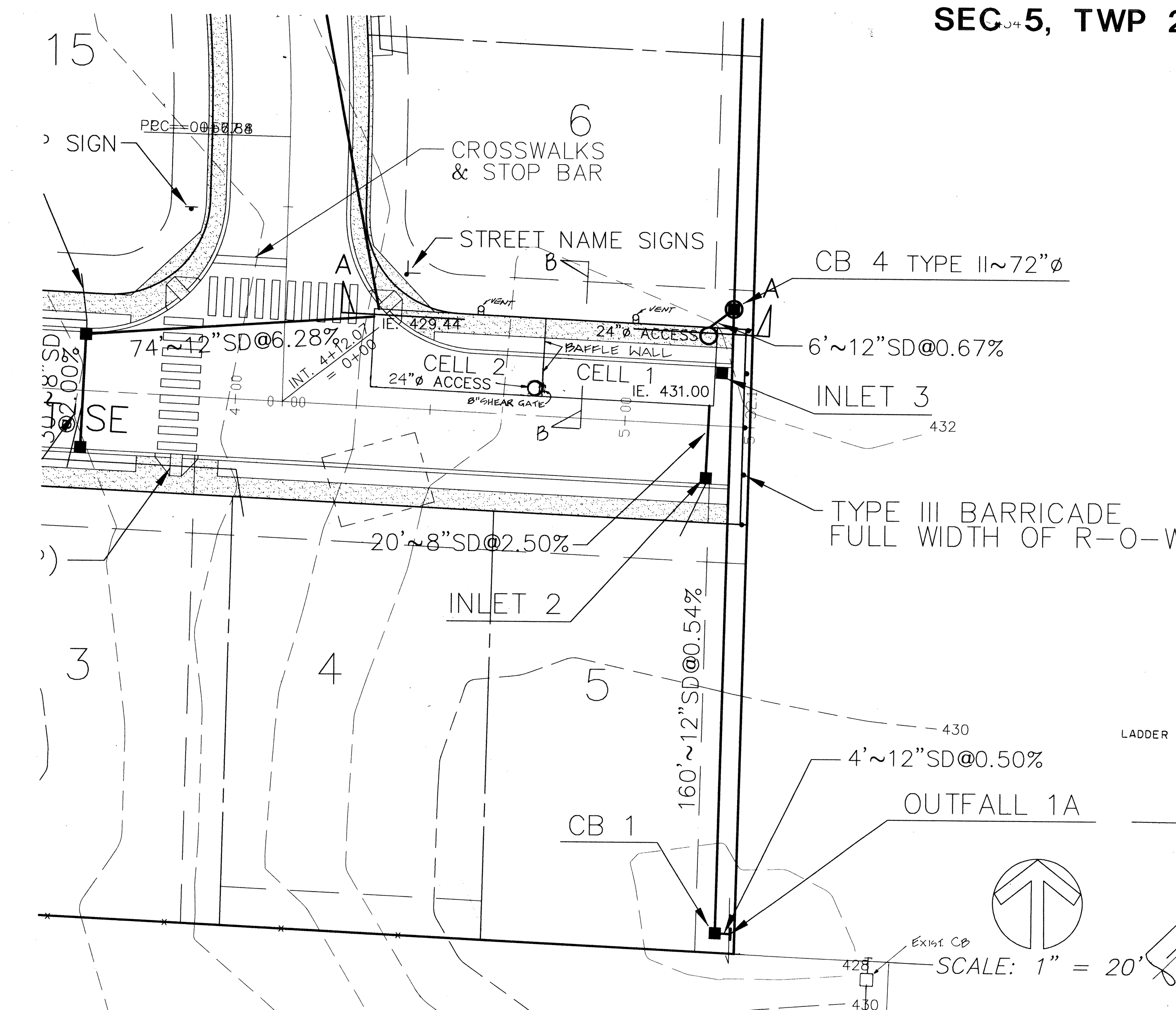
CITY OF MILL CREEK
 APPROVED FOR CONSTRUCTION

23 FEB 95

HOLLYMERE

HDEV-225

SEC 4, TWP 27N, RGE 5E, W.M.

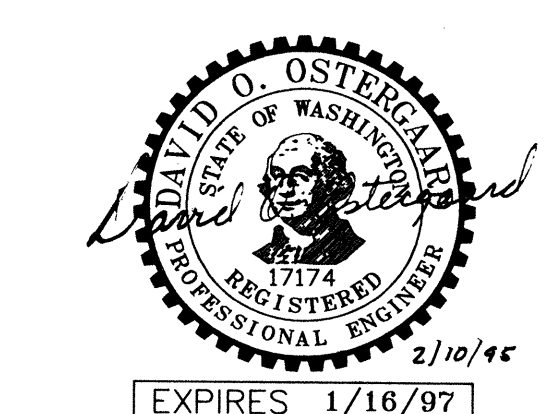


CB#4 PLAN VIEW
SCALE 1" = 2'

8" Ø CLEANOUT/SHEAR GATE
N.T.S.

WEIR NOTCH DETAIL
N.T.S.

- NOTES
- EXCEPT AS SHOWN OR NOTED, UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS FOR CATCH BASIN TYPE 2, 54" MINIMUM DIAMETER.
 - FOR DETAILS SHOWING GRADE RING, LADDER, STEPS, HANDHOLDS AND TOP SLABS, SEE STANDARD PLAN "CATCH BASIN DETAILS".
 - THE RESTRICTOR/SEPARATOR AND PIPE SUPPORTS SHALL BE OF THE SAME MATERIAL AND SHALL BE FABRICATED FROM .060" ALUMINUM OR .064" ALUMINIZED STEEL OR .064" GALVANIZED STEEL PIPE IN ACCORDANCE WITH AASHTO M 36, M 196, M 197 AND M 274. GALVANIZED STEEL SHALL HAVE TREATMENT 1.
 - OUTLET SHALL BE CONNECTED TO CULVERT OR SEWER PIPE WITH A STANDARD COUPLING BAND FOR CORRUGATED METAL PIPE OR GROUTED INTO THE BELL OF CONCRETE PIPE.
 - THE VERTICAL RISER STEM OF THE RESTRICTOR/SEPARATOR SHALL BE THE SAME DIAMETER AS THE HORIZONTAL OUTLET PIPE WITH A 6" MINIMUM SIZE.
 - FRAME AND LADDER OR STEPS TO BE OFFSET SO THAT:
 - CLEANOUT GATE IS VISIBLE FROM TOP.
 - CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.
 - FRAME IS CLEAR OF CURB (IF ANY EXISTS).
 - MULTI-ORIFICE ELBOWS MAY BE LOCATED AS SHOWN OR ALL ON ONE SIDE OF RISER TO ASSURE LADDER CLEARANCE. SIZE OF ELBOWS TO BE DETERMINED BY THE ENGINEER.
 - RESTRICTOR PLATE WITH ORIFICE AS SPECIFIED IN THE PLANS. OMIT PLATE IF ONLY FOR ALL POLLUTION CONTROL. SPECIFIED OPENING TO BE CUT ROUND AND SMOOTH.
 - CLEANOUT GATE/SHEAR GATE: ALUMINUM ALLOY PER ASTM B-26-2G-32a OR CAST IRON ASTM A48 CLASS 308 AS REQUIRED. LIFT HANDLE EITHER SOLID OR TUBING WITH ADJUSTABLE HOOK AS REQUIRED. NEOPRENE RUBBER GASKETS REQUIRED BETWEEN FLANGES.
 - ALTERNATE CLEANOUT GATES/SHEAR GATES TO THE DESIGN SHOWN ON STD DWG 9-190 ARE ACCEPTABLE PROVIDED THEY MEET THE MATERIAL SPECIFICATIONS ABOVE AND HAVE A SIX BOLT, 10 3/8" BOLT CIRCLE FOR BOLTING TO THE FLANGE CONNECTION. 5/8" DIAMETER STAINLESS STEEL EXPANSION BOLTS SHALL BE USED.



CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
BY: *[Signature]*
29 FEB 95

DATE	1/27/95
REVISION	REV PER CITY 2/10/95 REV CLIENT 2/17/95 REV PEK CITY
BY	ME ME CP

OSTERGAARD • ROBINSON & ASSOC. INC. CONSULTING ENGINEERS
3705 COLBY AVE. #1
EVERETT, WA 98201
(206) 259-6445 BELLEVUE: (206) 827-5654

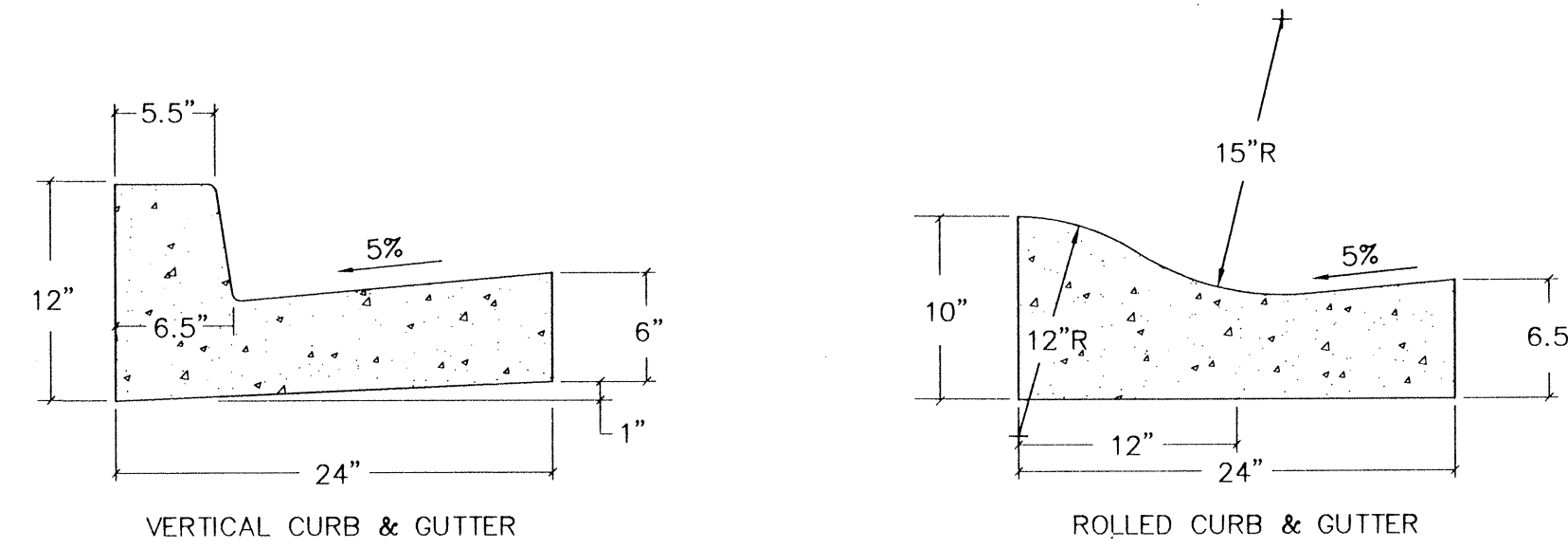
HOLLYMERE ROAD + STORM DRAINAGE VAULT DETAILS
WASHINGTON
CITY OF MILL CREEK

Designed	BRL
Checked	BRL
Drawn	ME
Checked	
As-built	
Sheet	4 of 7
Job No.	94107

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

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.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 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.
- 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.
- DISTURBED SOIL SHALL BE HYDRO SEEDING IF NOT WORKED WITHIN 30 DAYS.



NOTES:

- CONCRETE SHALL BE CEMENT CONCRETE CLASS 5 1/2 SACK EXCEPT FOR COMMERCIAL DEVELOPMENTS WHICH SHALL BE 6 SACK MIX.
- BASE MATERIAL SHALL BE 5/8" MINUS CRUSH GRAVEL AT DEPTH OF 4 INCHES MINIMUM OR A CITY APPROVED MATERIAL.
- FORMS SHALL BE STEEL, EXCEPT ON 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.
- EXPANSION JOINTS SHALL BE PLACED AT 10 FEET ON CENTER AND AT DRIVEWAY RETURNS, CATCH BASINS AND HANDICAP RAMPS.
- CONCRETE SURFACE SHALL BE TOOL FINISHED FIRST AND THEN BROOM FINISHED WITH TOOLED JOINTS.
- MONOLITHIC CURB AND SIDEWALK POURS SHALL NOT BE ACCEPTED.

CONCRETE CURB & GUTTER
N.T.S.

STORM DRAINAGE NOTES

- 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 CITY APPROVED MATERIAL TO SUPPORT THE PIPE.
- 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.
- ALL CATCH BASINS TO BE TYPE I UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES JUST PRIOR TO POURING OF CURBS AND PAVING.
- ALL CATCH BASINS WITH A DEPTH OVER 5.0 FEET TO THE FLOW LINE SHALL BE A TYPE II CB (MANHOLE).
- ALL TYPE II CATCH BASIN MANHOLES AND ALL INLET AND CATCH BASINS OUTSIDE OF PUBLIC R/W SHALL HAVE LOCKING LIDS.
- 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, MODEL 5435A IS REFERRED TO AS A "THROUGH CURB INLET" ON THE PLAN. ALL SHALL BE VANE GRATE EXCEPT AT THRU CURB WHICH SHALL BE HERRING BONE.
- 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."
- STORM WATER RETENTION/DETENTION FACILITIES STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED PRIOR TO ACCEPTANCE.
- 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:

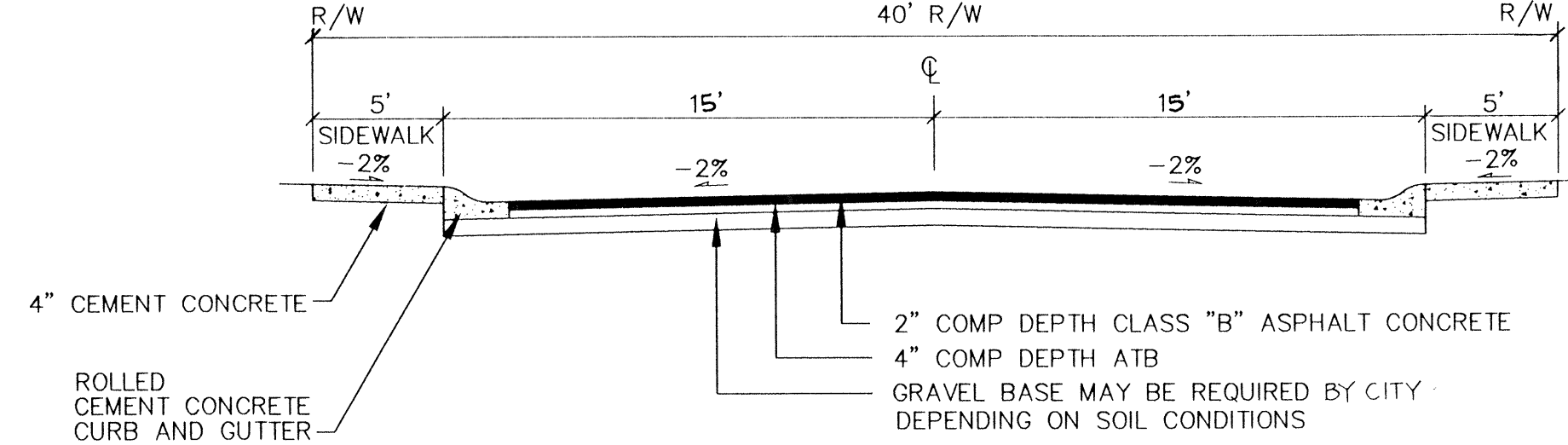
- PLAIN CONCRETE PIPE
- REINFORCED CONCRETE PIPE
- ALUMINUM SPIRAL RIB PIPE

ALLOWABLE JOINTS:

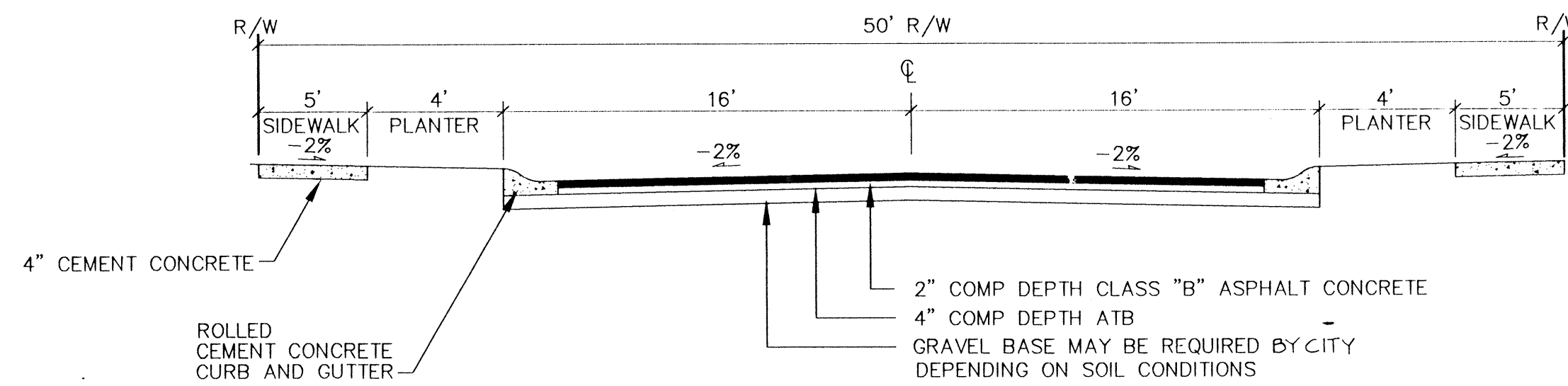
- CONCRETE PIPE SHALL BE RUBBER GASKETED
- SPIRAL RIB PIPE SHALL BE "HAT BANDED" WITH NEOPRENE GASKETS

CONSTRUCTION SEQUENCE

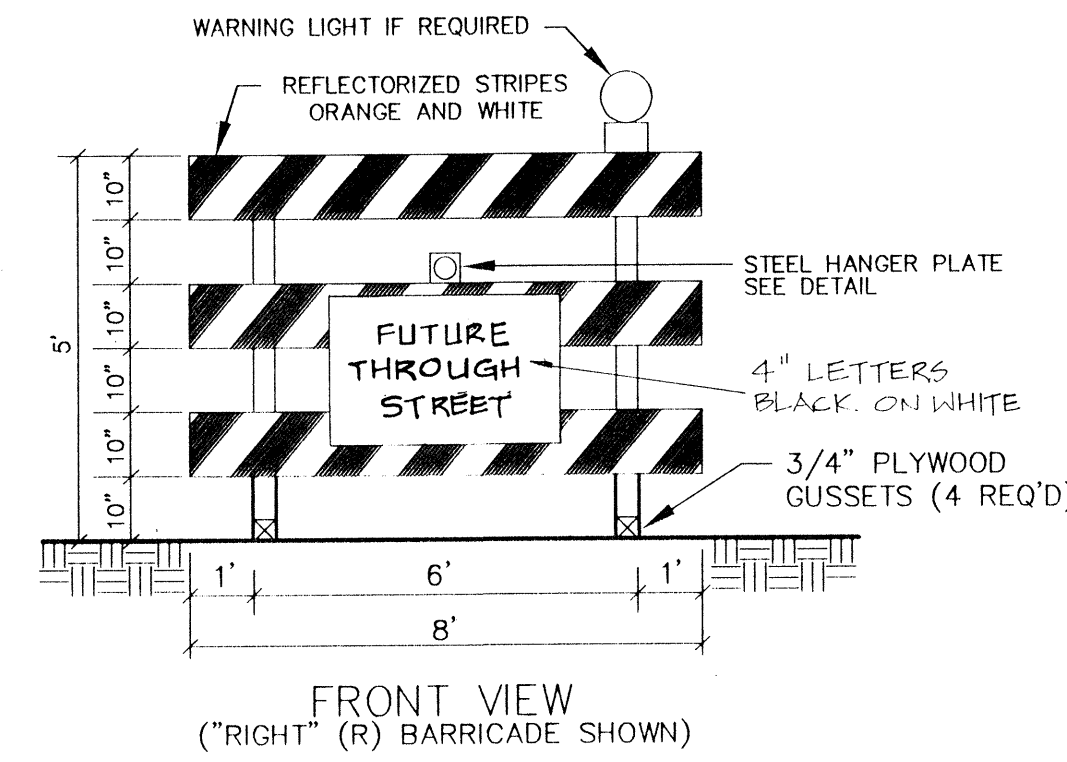
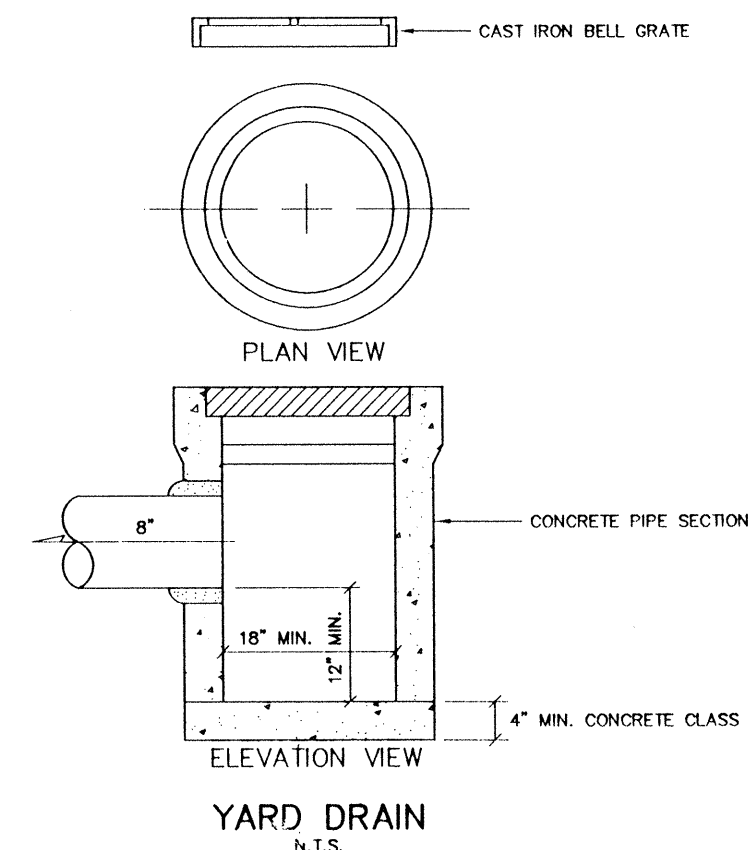
- ATTEND PRE-CONSTRUCTION MEETING (INCLUDING EXCAVATION CONTRACTOR)
- FLAG CLEARING LIMITS, CALL CITY FOR INSPECTION & APPROVAL
- INSTALL SILT FENCES AND BARRIER FENCES WHERE SPECIFIED
- INSTALL GRAVEL CONSTRUCTION ENTRANCE
- CLEAR FOR AND INSTALL SEDIMENT TRAPS, INTERCEPTOR DITCHES AND CHECK DAMS.
- 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.



TYPICAL 40' ROAD SECTION - ONSITE
34TH AVE SE
N.T.S.

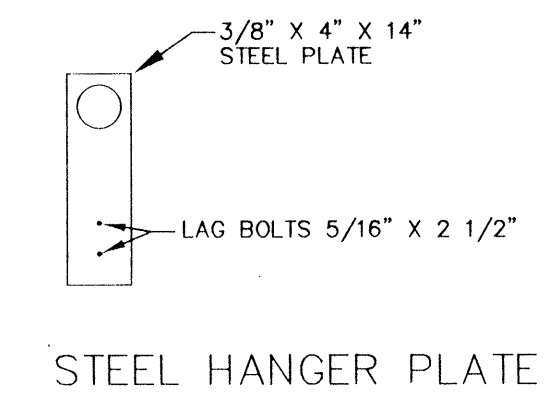
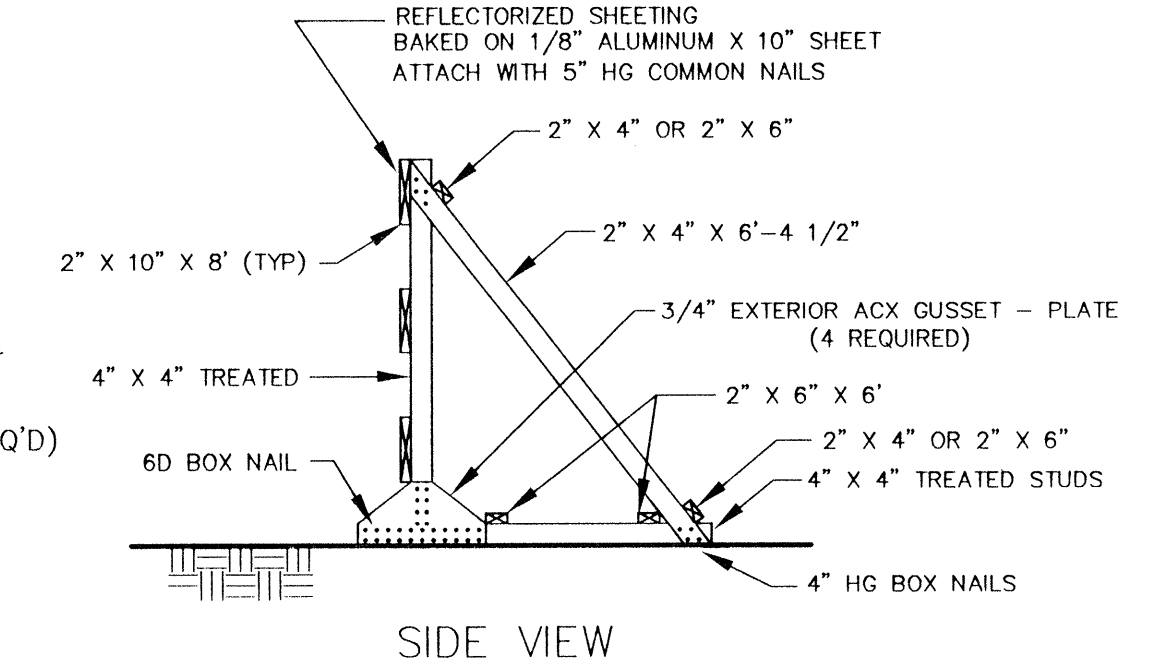


TYPICAL 50' ROAD SECTION - ONSITE
153ST ST SE
N.T.S.

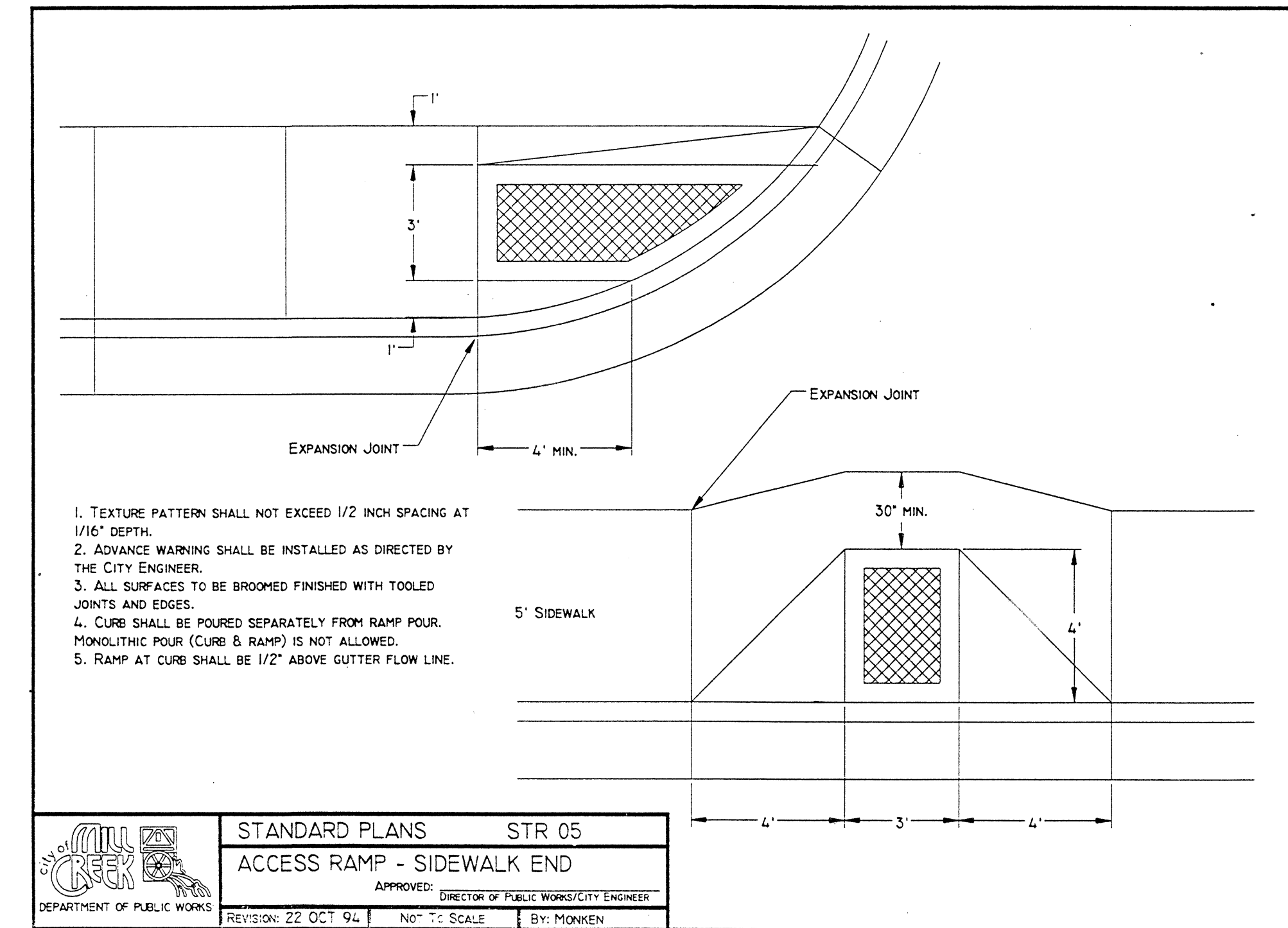


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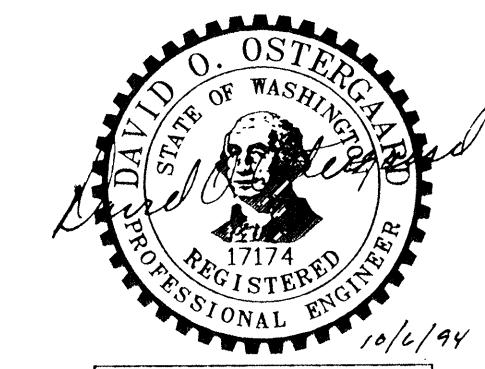
- BARRICADES SHALL BE INSTALLED IN ACCORDANCE WITH PART VI OF THE MUTCD.
- LUMBER SHALL BE STANDARD GRADE OR BETTER.
- RIGHT (R) BARRICADES ARE PLACED TO THE RIGHT OF TRAFFIC. LEFT (L) BARRICADES ARE ON THE LEFT OF TRAFFIC.
- WHERE A BARRICADE EXTENDS ENTIRELY ACROSS A ROADWAY, THE STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING. WHERE BOTH RIGHT AND LEFT TURNS ARE PROVIDED FOR, THE CHEVRON STRIPING SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE.



TYPE III BARRICADE
AT END OF 153ST ST SE
N.T.S.



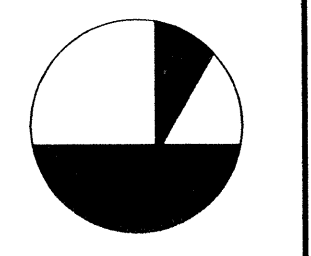
STANDARD PLANS STR 05
ACCESS RAMP - SIDEWALK END
APPROVED: [Signature]
REVISION: 22 OCT 94, 1714 REGISTERED PROFESSIONAL ENGINEER
NO. 1 SCALE: BY: MONKEN
EXPIRES 1/16/97



CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
BY: [Signature]
83 FEB 95

DATE	11/9/94
REVISION	REV PER CITY 2/1/95
BY	DRP

OSTERGAARD & ASSOC. INC. CONSULTING ENGINEERS
3705 COLBY AVE. #1
BELLEVUE, WA 98201
(206) 259-6445



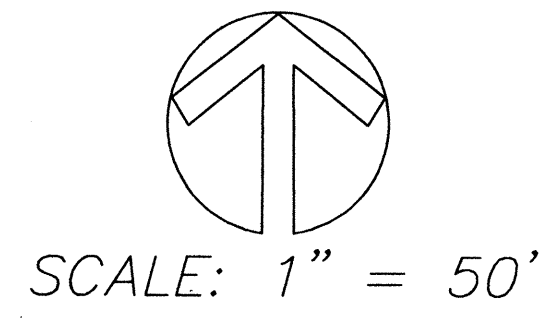
HOLLYMERE
ROAD + STORM DRAINAGE
GENERAL NOTES + DETAILS
CITY OF MILL CREEK

Designed ME
Checked BRL
Drawn ME
Checked
As-built

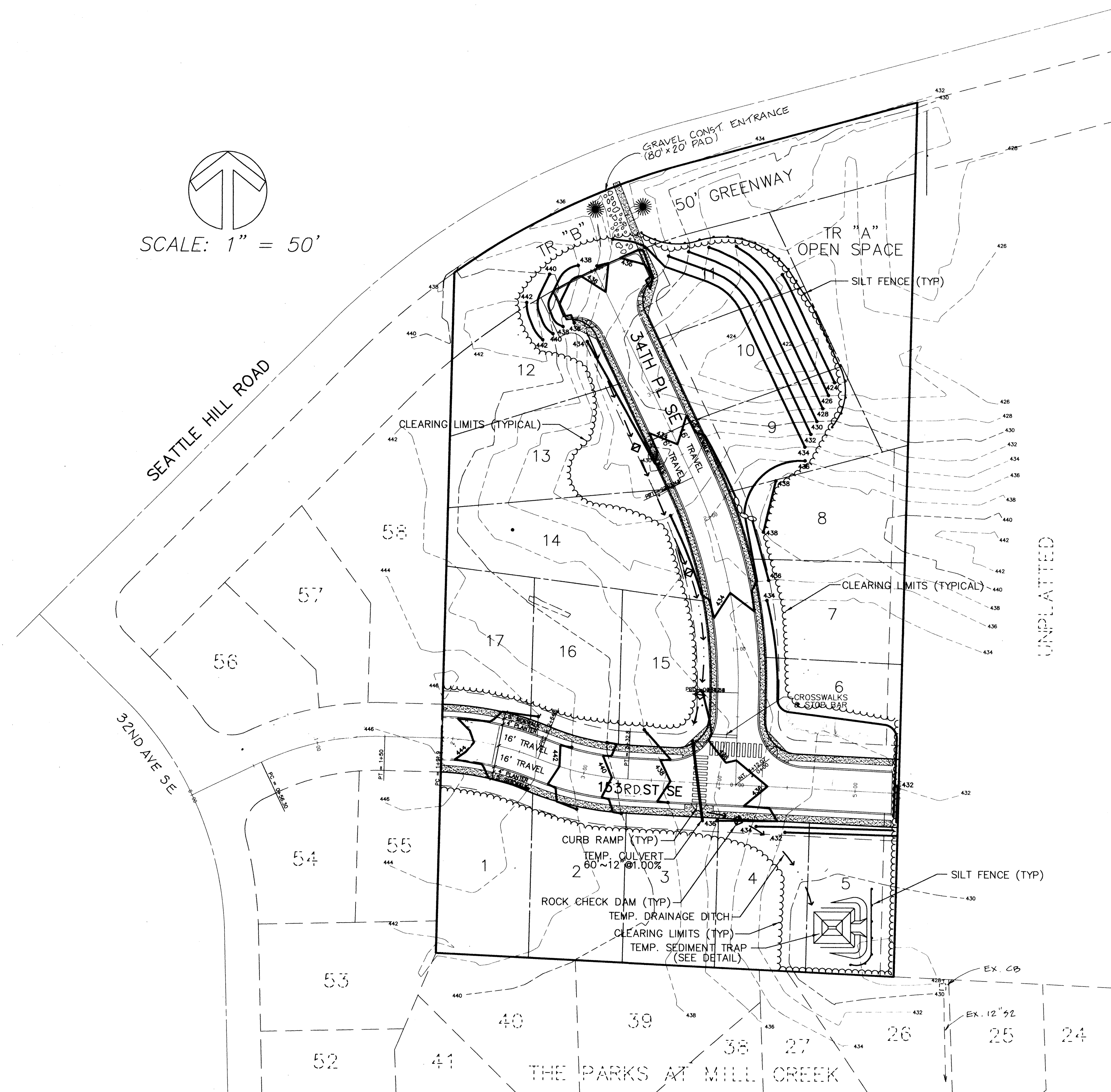
Sheet 5 of 7

Job No. 94107

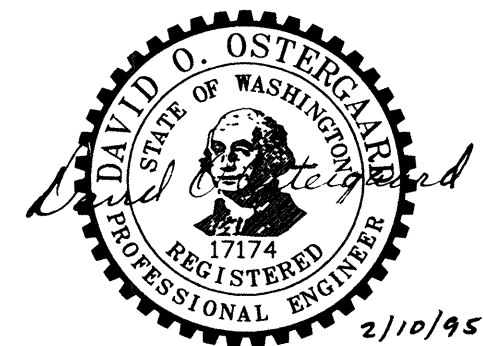
SEC 5, TWP 27N, RGE 5E, W.M.



SCALE: 1" = 50'



- NOTES:
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.

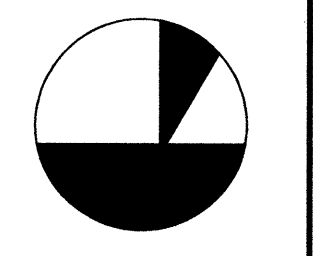


EXPIRES 1/16/97

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
BY *[Signature]*
23 FEB 95

DATE	11/29/94 2/10/95 2/17/95
REVISION	REV PER CITY REV CLIENT REV PER CITY
BY	LDR ME CP

OSTERGAARD • ROBINSON
& ASSOC. INC. CONSULTING ENGINEERS
3705 COLBY AVE. #1
(206) 258-6445
EVERETT, WA 98201
BELLEVUE: (206) 827-5864



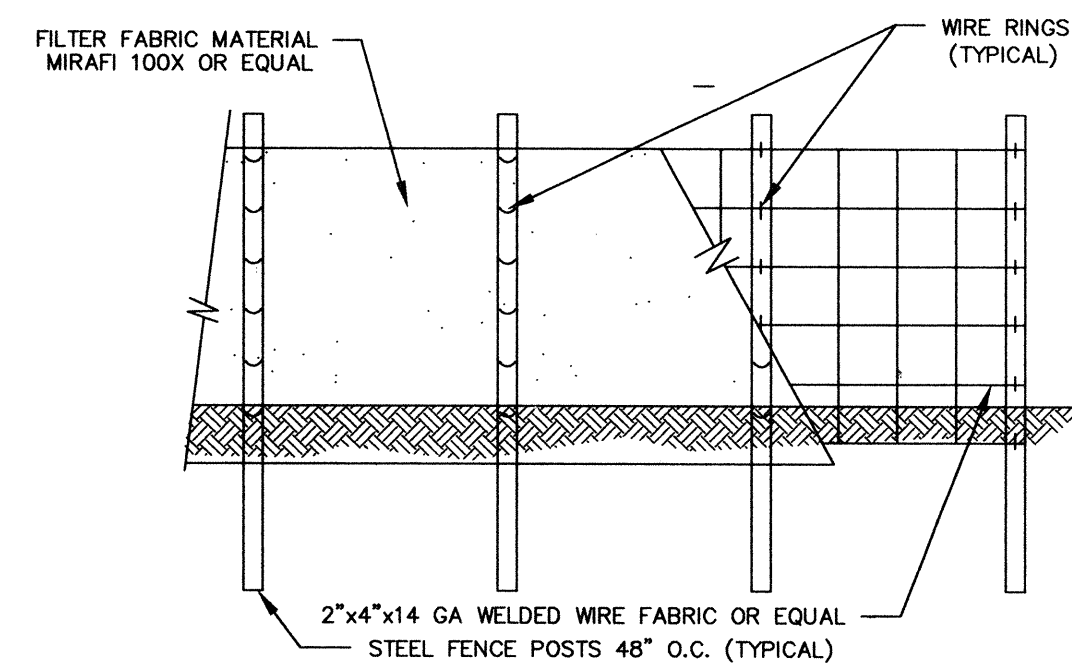
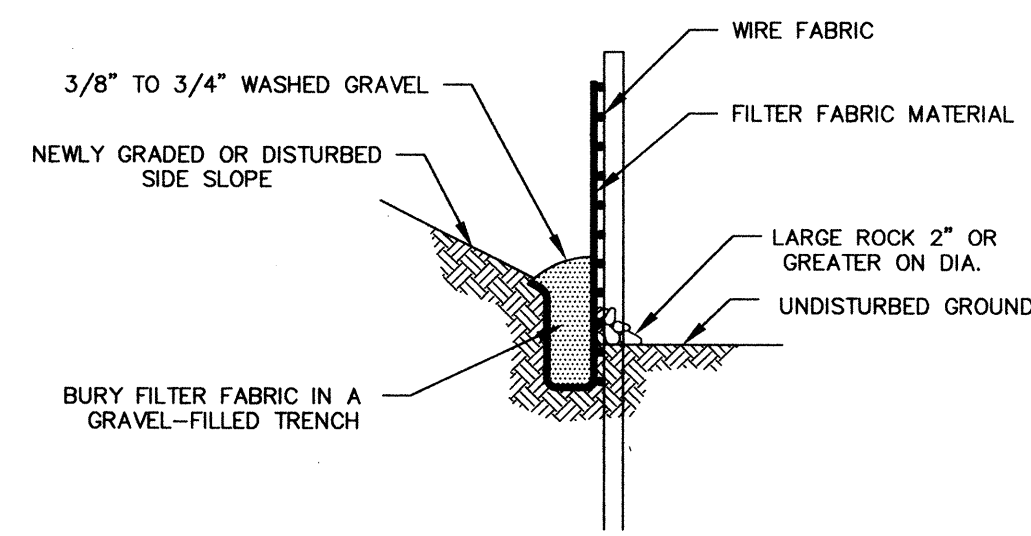
HOLLYMERE
GRADING + T.E.S.C.P.
WASHINGTON
CITY OF MILL CREEK

Designed	BRL/ME
Checked	BRL
Drawn	ME
Checked	
As-built	

Sheet 6 of 7

Job No. 94107

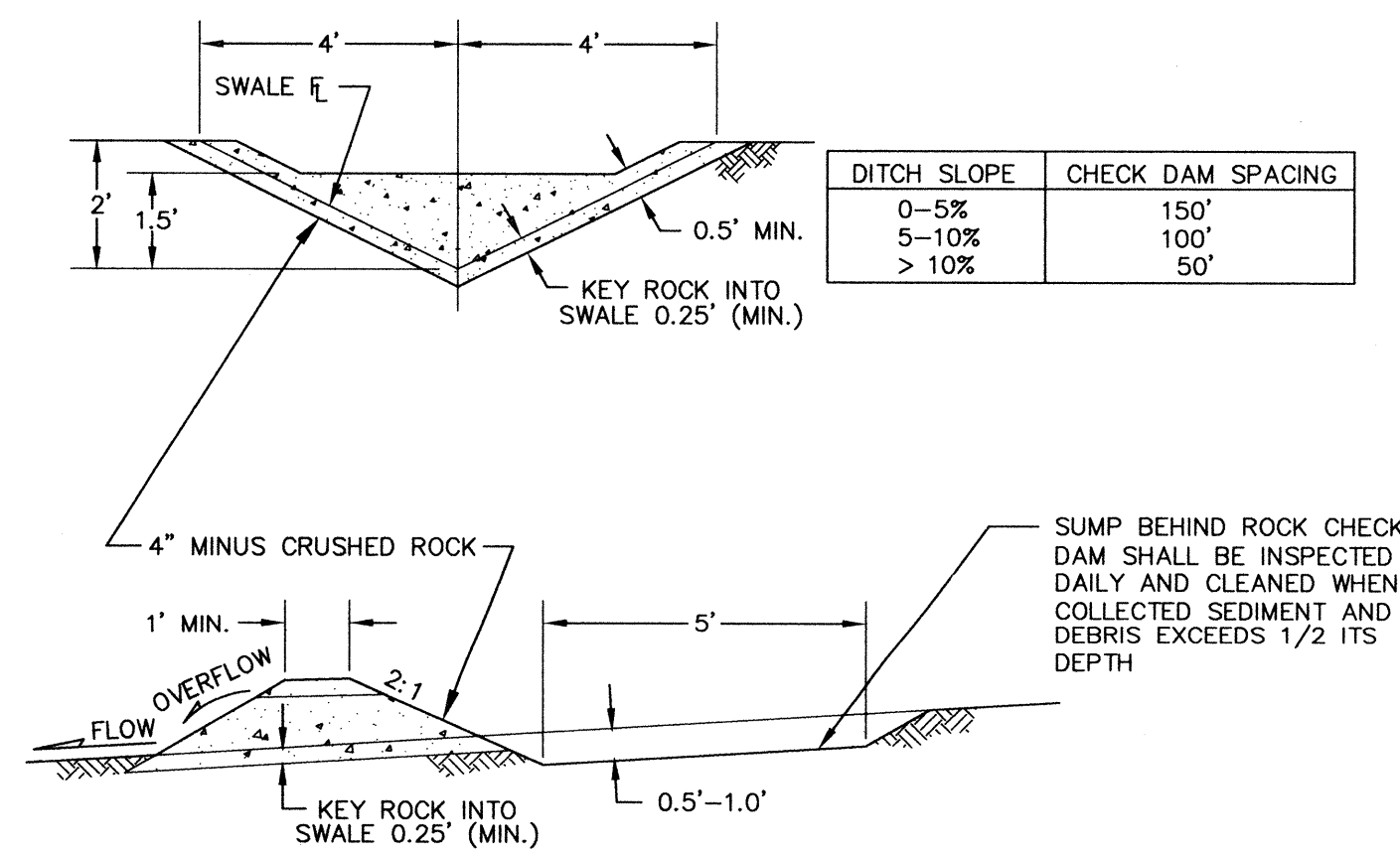
SEC 5, TWP 27N, RGE 5E, W.M.



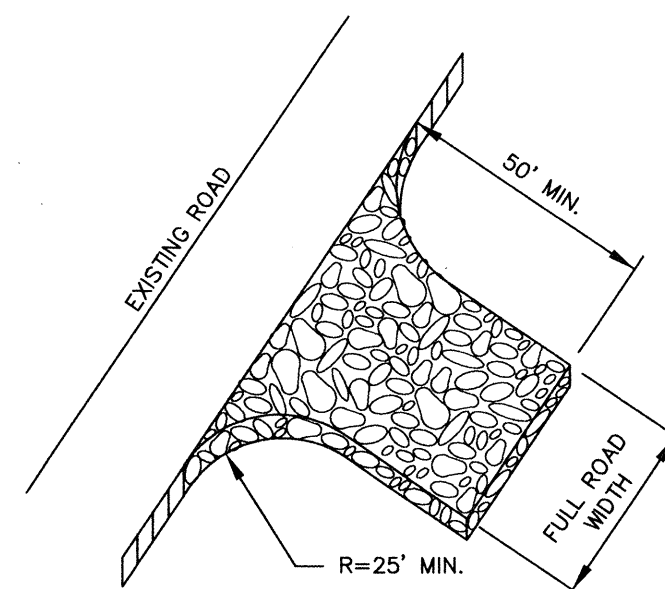
SILT FENCE DETAILS
NTS

MAINTENANCE OF SILTATION BARRIERS

- 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.



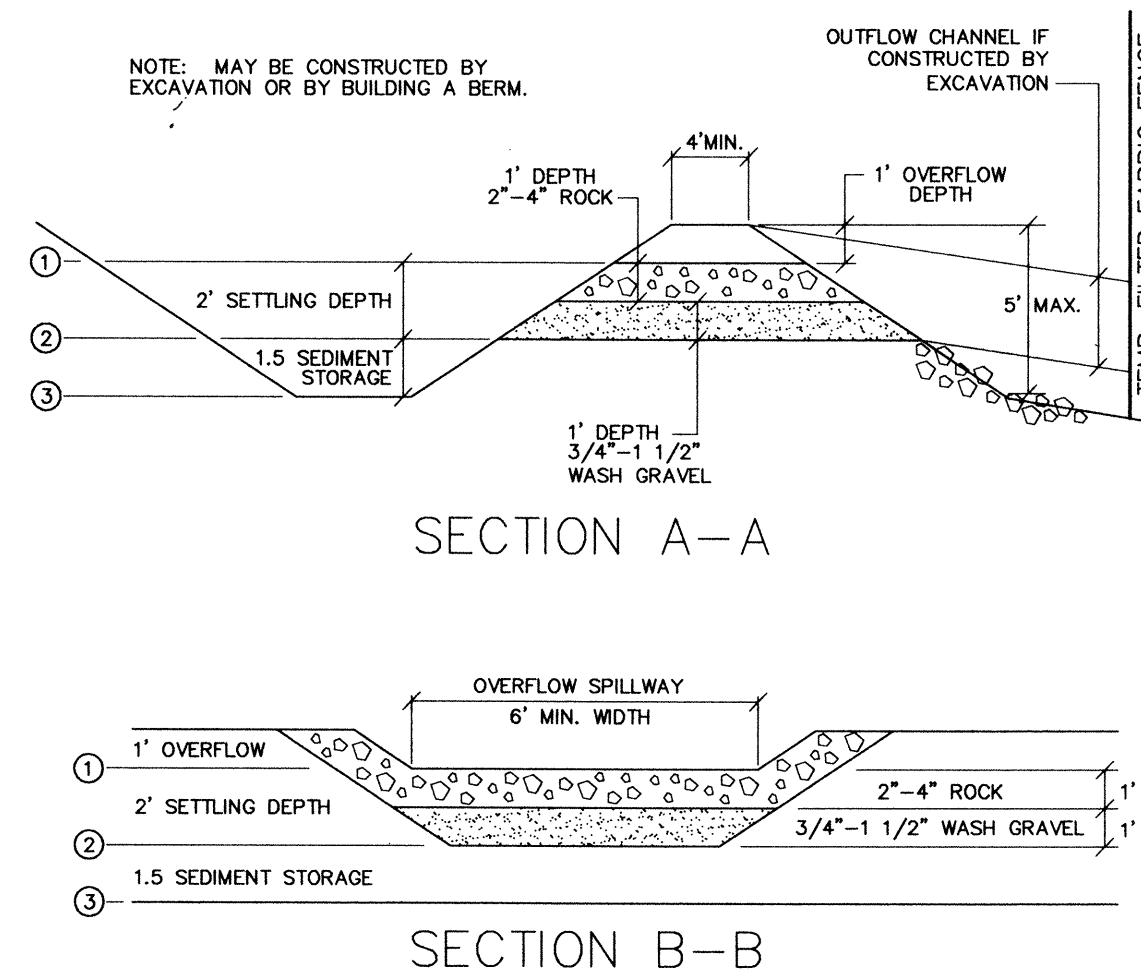
ROCK CHECK DAM DETAILS
NTS



GRAVEL CONSTRUCTION ENTRANCE
NTS

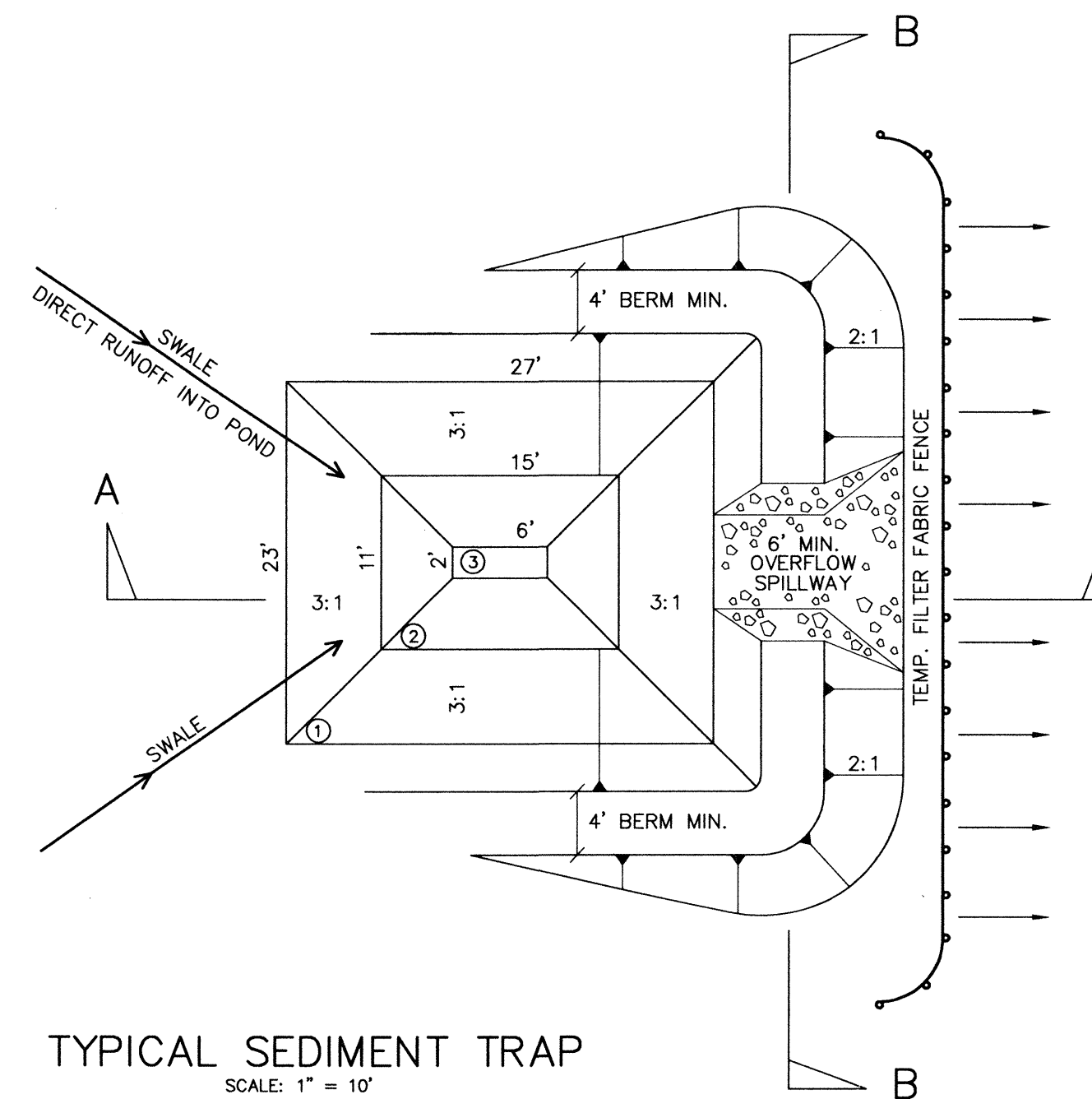
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

- 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.
- AGGREGATE: 4" TO 6" CRUSHED BALLAST ROCK
- 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.
- 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.
- 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.



TEMPORARY SEDIMENT TRAP - MINIMUM DIMENSIONS			
T.S.T.#	1	2	3
ALL PONDS	23 X 27	11 X 15	2 X 6

SEE HYDRAULIC CALCULATIONS FOR T.S.T. CALCULATIONS



TYPICAL SEDIMENT TRAP
SCALE: 1" = 10'

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

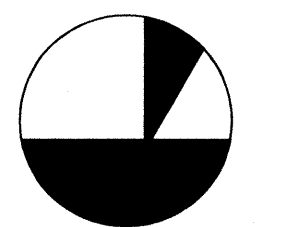
- PRIOR TO ANY SITE CONSTRUCTION TO INCLUDE CLEARING/LOGGING OR GRADING THE SITE/LOT CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR/ENGINEER AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR/ENGINEER IS OSTERGAARD-ROBINSON AT (206) 259-6445.
- THE TEMPORARY EROSION/SEDIMENTATION 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.
- ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS. PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- 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.
- STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEED PREFERRED.
- ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.
- 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.
- 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
HYDROSEED REQUIRED.
- FERTILIZER: SHALL BE APPLIED AT 400# PER ACRE OF 10-20-20 (10 POUNDS PER 1100 SQUARE FEET) OR EQUIVALENT.



CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
BY *[Signature]*
25 FEB 95

DATE	11/9/94
REVISION	REV PER CITY
BY	DR

OSTERGAARD • ROBINSON
& ASSOC. INC. CONSULTING ENGINEERS
3705 COLBY AVE. #1 BELLEVUE, WA 98001
(206) 259-6445

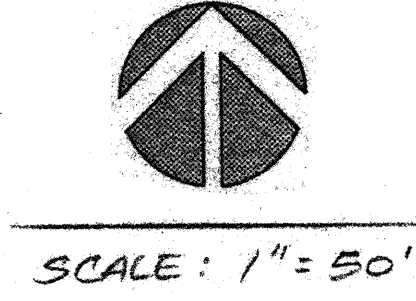


HOLLYMERE
GRADING + T.E.S.C.P.
NOTES + DETAILS
WASHINGTON
CITY OF MILL CREEK

Designed ME
Checked BRL
Drawn ME
Checked
As-built

Sheet 7 of 7

Job No. 94107



SCALE: 1" = 50'

REMOVE EXIST. BLOWOFF ASSY. CONNECT TO EXIST. 8" DIP WITH:
1-8" MJ TEE
1-8" MJ GV
1-8" MJ PLUG
TEMPORARY BLOCK, TEST & PURIFY PRIOR TO CONNECTION
CONNECT AS DIRECTED BY A.W.D.

1-8" MJ X 6" FL TEE
1-6" FL X MJ GV
1-6" MJ SLEEVE
1-8" MJ PLUG
BLOCK AS DIRECTED (TYP)

A.W.D. TO INSTALL A 3/4" METER FOR TEMP. SERVICE TO EXIST. HOUSE AT DEVELOPER'S EXPENSE (BOTH INSTALLATION & REMOVAL).

REMOVE BLOWOFF ASSY. CONNECT TO EXIST. 8" D.I.P. TEMP. BLOCK, TEST & PURIFY PRIOR TO CONNECTION.

"SUNRISE at MILL CREEK"
Ext. 1528

33rd Ave. S.E.

SEATTLE HILL ROAD

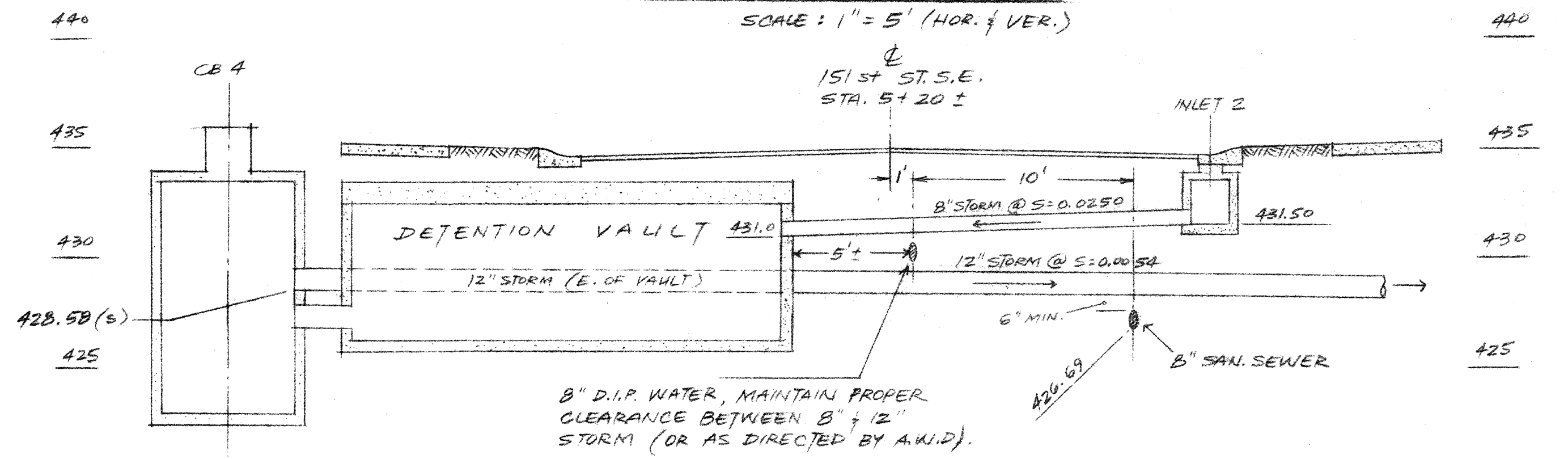
153rd St. S.E.

"PARKS at MILL CREEK DIV. I"
EXT. 1614

"POTENTIAL FUTURE PLAT"

SECTION "A" - "A"

SCALE: 1" = 5' (HOR. & VER.)



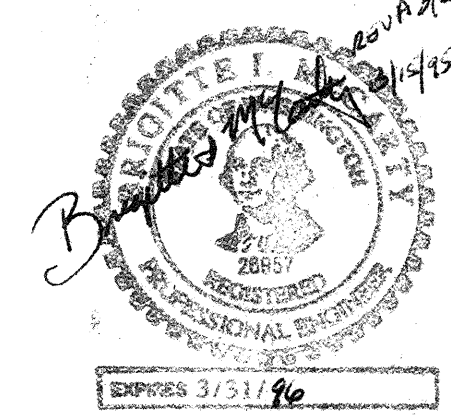
8" D.I.P. WATER, MAINTAIN PROPER CLEARANCE BETWEEN 8" & 12" STORM (OR AS DIRECTED BY A.W.D.)

NOTES

- APPROX. STATIC WATER PRESSURE 85 P.S.I.
- EASEMENTS:
 - ALL EASEMENTS SHALL BE FREE FROM ANY ENCROACHMENTS SUCH AS STRUCTURES, OVERHANGS, FOUNDATIONS, ETC.
 - ALL EASEMENTS SHALL BE BASED ON "AS-BUILT" HORIZONTAL CONDITIONS.
 - EASEMENTS SHALL BE PROVIDED TO ENCOMPASS HYDRANT & WATER METERS INSTALLED OUTSIDE OF PUBLIC RIGHT-OF-WAY (MIN. 5' X 5' ESM'T FOR EACH METER). EASEMENTS SHALL BE SHOWN ON FACE OF RECORDED PLAT WITH A "NO-FENCING" CLAUSE.
- CONSTRUCT WATER MAIN LOWER THAN STORM SEWER WHERE NECESSARY TO PROVIDE MIN. COVER AND/OR UNDISTURBED SOIL TO BLOCK AGAINST.
- DEVELOPER/CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES (BOTH VERTICALLY & HORIZONTALLY) WHETHER SHOWN ON PLANS OR NOT, PRIOR TO CONST. CALL "DIAL-DIG" AT 1-800-424-5555.
- REFER TO ALDERWOOD WATER DISTRICT STANDARD DETAIL SHEETS FOR DETAILS, NOTES & SPECIFICATIONS FOR WATER & SEWER.
- SEWER & WATER DESIGN BASED ON HORIZONTAL & VERTICAL DATA PROVIDED BY OSTERGAARD AND ROBINSON ENGRS.
- ALL DUCTILE IRON PIPE (D.I.P.) SHALL BE CLASS 53. SIDE SEWER STUBS OFF DUCTILE IRON SEWER MAIN SHALL BE DUCTILE IRON TO END OF STUB. ALL SIDE SEWER STUBS SHALL BE 6" WITH A MINIMUM ACCEPTABLE GRADE OF 2%.
- MINIMUM ACCEPTABLE GRADE ON 8" SEWER MAIN IS 0.0050 FT./FT. MINIMUM ACCEPTABLE SEWER MANHOLE DEPTH IS 5 FT. AND MINIMUM COVER REQUIREMENT OVER A 8" D.I.P. SEWER MAIN IS 3 FT.
- LOCATIONS FOR WATER METERS & SIDE SEWERS SHALL BE VERIFIED BY DEVELOPER/CONTRACTOR PRIOR TO INSTALLATION. ALL DRIVEWAY LOCATIONS & LOT CORNERS SHALL BE ESTABLISHED PRIOR TO WATER METER INSTALLATION.
- DEVELOPER MUST OBTAIN A UTILITY RIGHT-OF-WAY PERMIT FROM CITY OF MILL CREEK PRIOR TO THE "PRE-CONSTRUCTION" MEETING.
- DEVELOPER SHALL NOTIFY THE PROPERTY OWNERS OF LOT 26 & 27 OF "PARKS DIV. I" ABOUT THE NATURE OF CONSTRUCTION WORK TO TAKE PLACE (IN WRITING) A MIN. OF 10 DAYS PRIOR TO ACTUAL CONSTRUCTION (COPY TO A.W.D.). DEVELOPER SHALL OBTAIN A WRITTEN "ACCEPTANCE OF EASEMENT RESTORATION" FROM LOT 26, "PARKS DIV. I", PRIOR TO A.W.D. ACCEPTANCE.
- INDICATES MINIMUM FINISH FLOOR ELEVATION REQUIRED FOR SANITARY SEWER SERVICE. PUMPING IS NOT PERMITTED. MIN. SLOPE ON 6" SIDE SEWER IS 2%. MINIMUM FINISH FLOOR ELEVATIONS SHALL BE SHOWN ON FACE OF THE PLAT TO BE RECORDED.
- EXIST. ROAD MONUMENTS SHALL BE PROTECTED. IF DISTURBED, A PROFESSIONAL LAND SURVEYOR MUST RESET.
- TEMPORARY CONSTRUCTION EASEMENTS MAY BE NECESSARY IF WORK CANNOT STAY WITHIN THE EXIST. 12 FT. SEWER EASEMENT. ALL TEMPORARY CONSTRUCTION EASEMENTS MUST BE SUBMITTED TO A.W.D. PRIOR TO CONST.
- DEVELOPER IS RESPONSIBLE TO BE IN COMPLIANCE WITH STATE & LOCAL REGULATIONS REGARDING THE REMOVAL OF EXIST. WELL ON LOT 15.
- DEVELOPER MAY REQUEST THAT A 3/4" WATER SERVICE BE INSTALLED FOR "TEMPORARY" WATER SERVICE TO EXIST. HOUSE ON LOT B (CURRENTLY ON WELL) DURING CONSTRUCTION OF PLAT. ALL COSTS ASSOCIATED WITH THE INSTALLATION & REMOVAL OF THIS WATER METER SHALL BE PAID BY DEVELOPER. DEVELOPER IS RESPONSIBLE TO MAINTAIN "PRIVATE" WATER SERVICE LINE TO EXIST. HOUSE. THE TRANSFER TO NEW WATER SERVICE FOR LOT B AND CONNECTION TO SANITARY SEWER CANNOT BE DONE UNTIL ENTIRE PROJECT HAS BEEN PUT INTO "USE & OPERATION" BY A.W.D.

CITY OF MILL CREEK
MAR 28 1995
A.W.D.

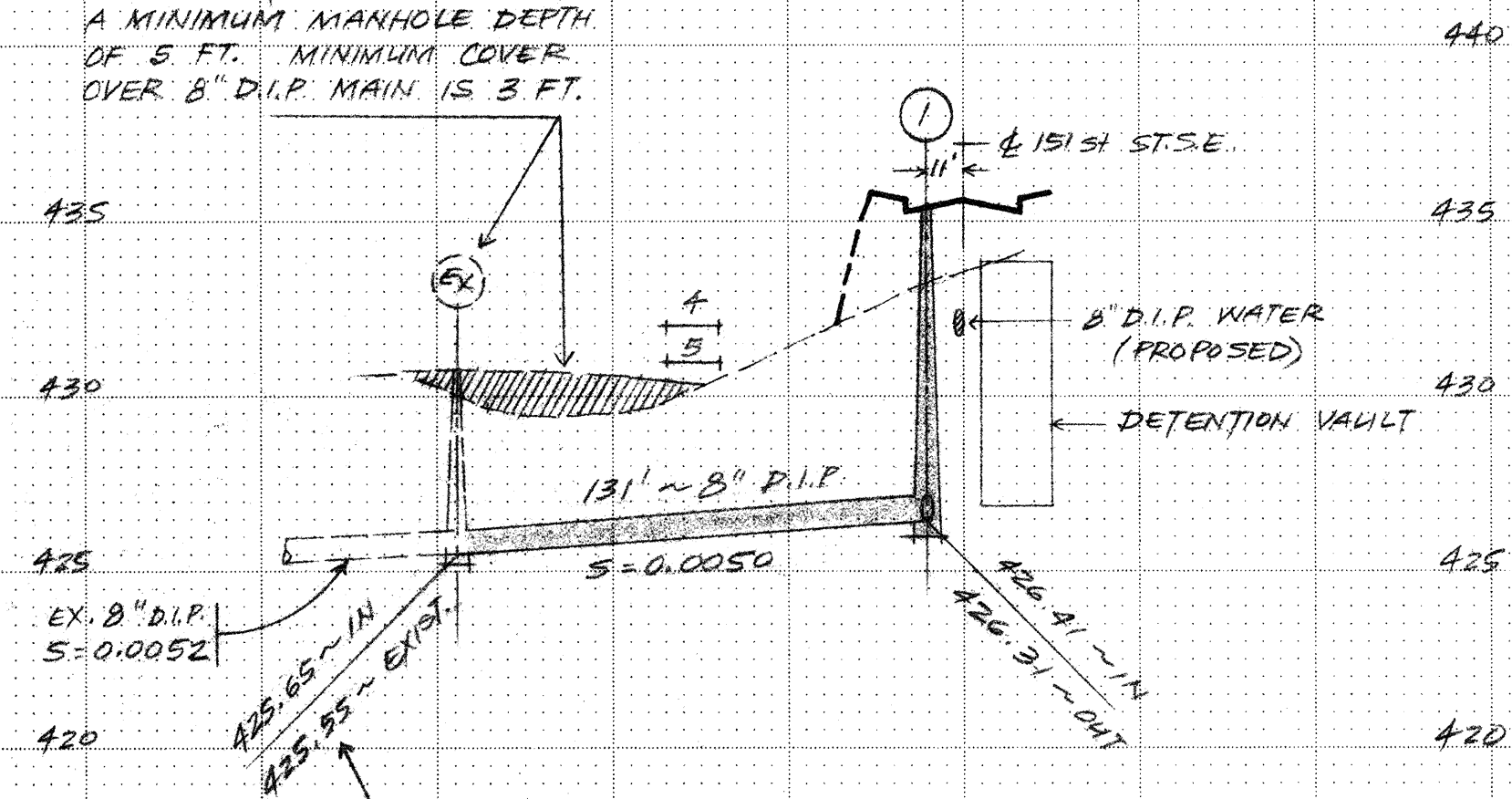
CONSTRUCT WATER AND SEWER FACILITIES PER ALDERWOOD WATER DISTRICT STANDARD DETAILS AND SPECIFICATIONS.



NE 4 5-27-5

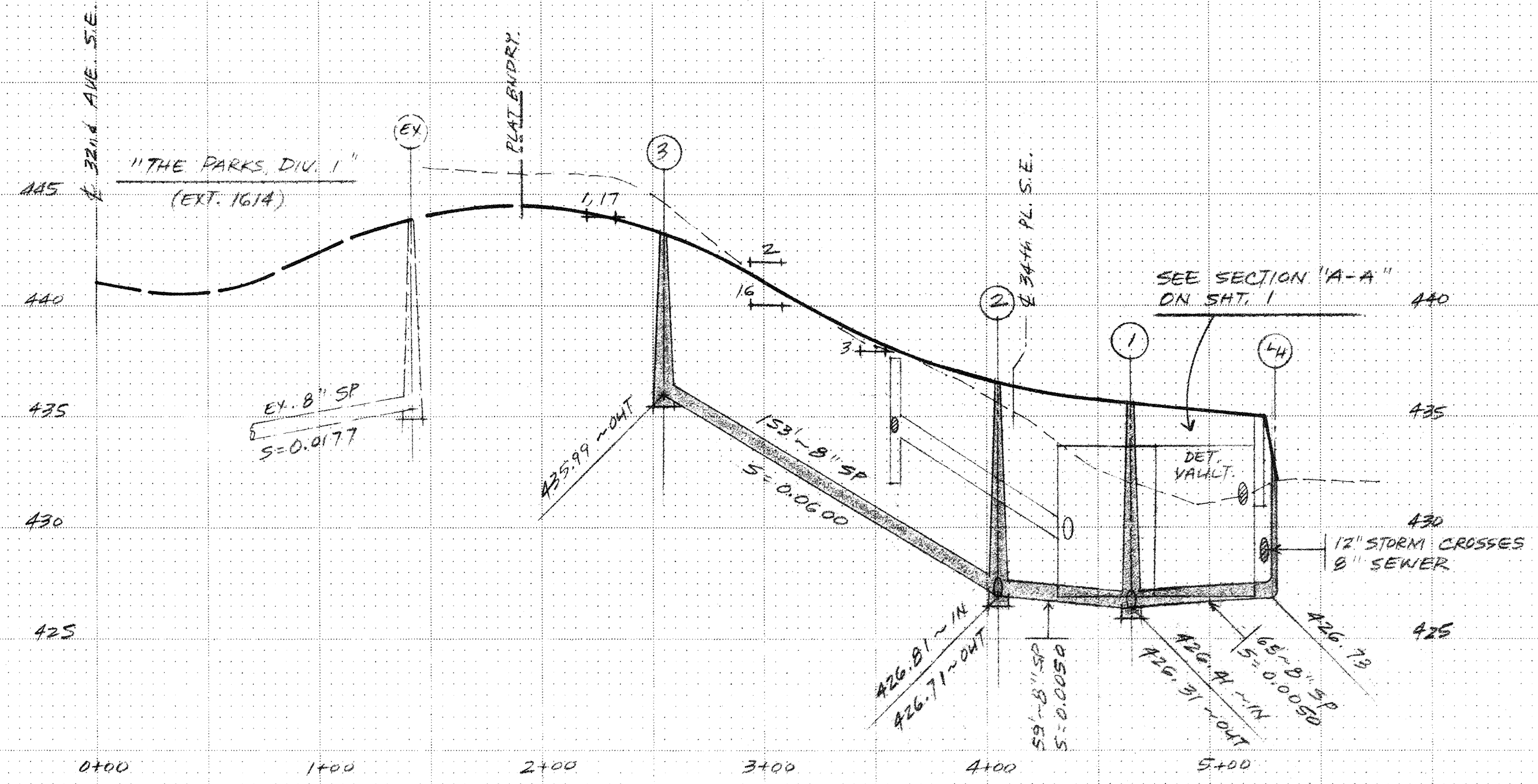
REVISED WATER NEAR TREES PER CITY OF MILL CREEK	3-27-95	BIM	FD
REVISED WATER AROUND EXIST. TREES TO REMAIN (TR. 'B')	3-22-95	BIM	FD
DATE	APPD.	DWN.	
ALDERWOOD WATER DISTRICT 3826 - 156th ST. S.W. Lynnwood, Wash. 743 - 4605 98036			
EXT. NO. 1680			
Scale: 1" = 50'			
Drawn: FD			
Date: MAR. 15, 1995			
Designed: FD			
Approved: BIM			
Sheet: 1 of 2			

FILL AS REQUIRED TO PROVIDE A MINIMUM MANHOLE DEPTH OF 5 FT. MINIMUM COVER OVER 8" D.I.P. MAIN IS 3 FT.

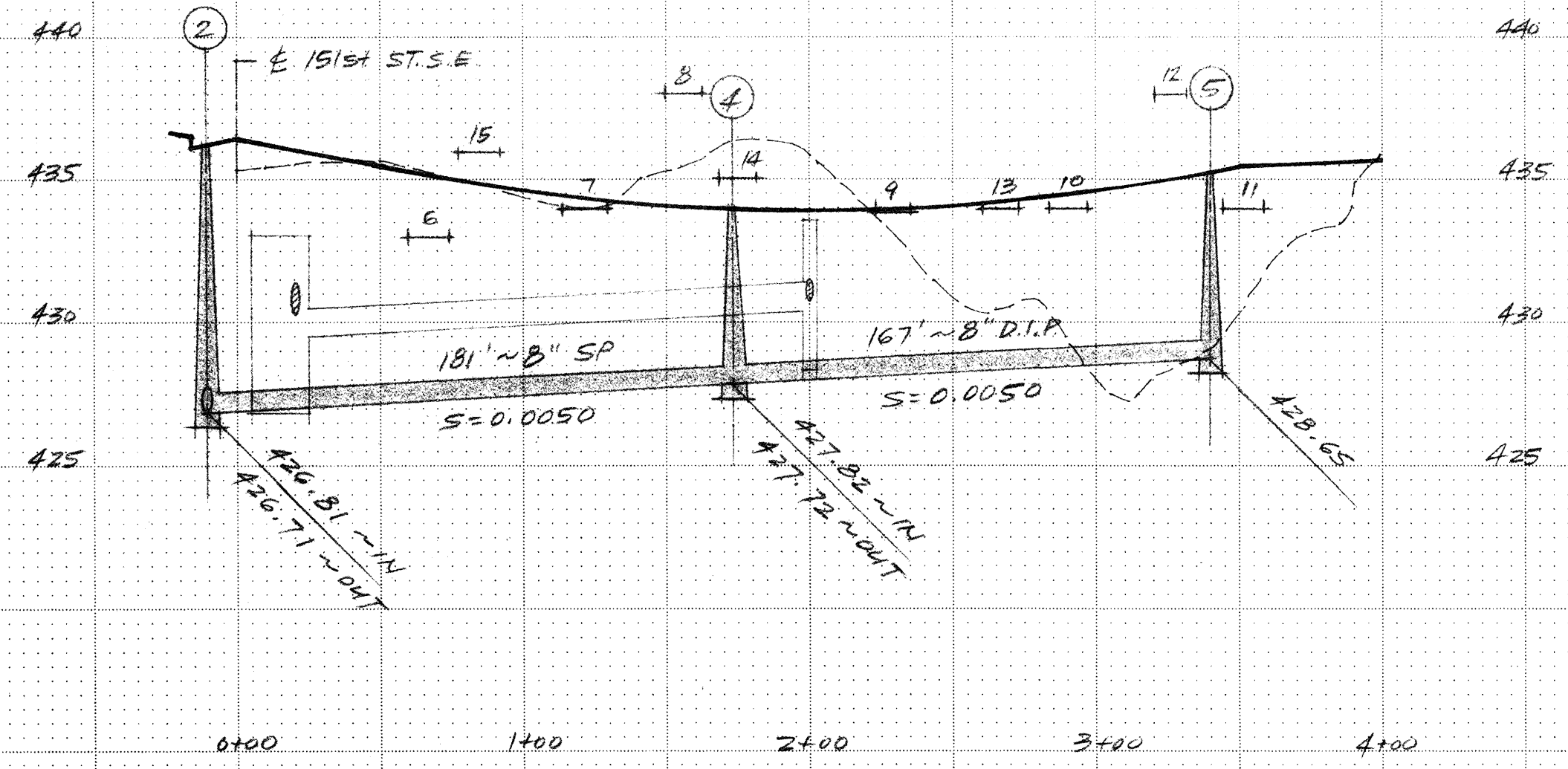


ESM'T. ON LOT 4

VERIFY INVERT ELEVATION OF EXIST. MH & ADJUST ELEVATION OF PROPOSED MANHOLES AS NECESSARY. MIN. SLOPE OF 0.0050 FT./FT. REQUIRED.

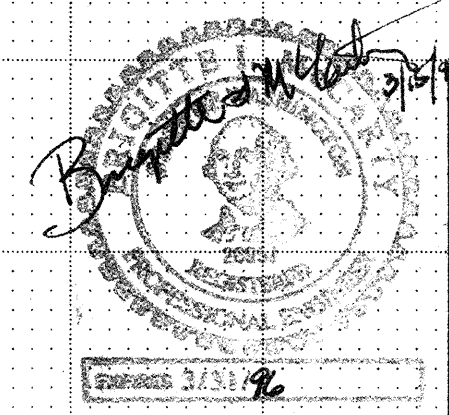


151 st ST. S.E.



34 th PL. S.E.

CONSTRUCT WATER AND SEWER FACILITIES PER STANDARD WATER DISTRICT STANDARD DETAILS AND REVISIONS.



ALDERWOOD WATER DISTRICT
3828 - 156 th ST. S.W. Lynnwood, Wash.
743 - 4605 98036

EXT. NO. 1680	
Scale	HOR. 1"=50', VER. 1"=5'
Drawn	FD
Date	MAR 15, 1995
Designed	FD
Approved	BIM
Sheet	Z of Z

HOLLYMERE