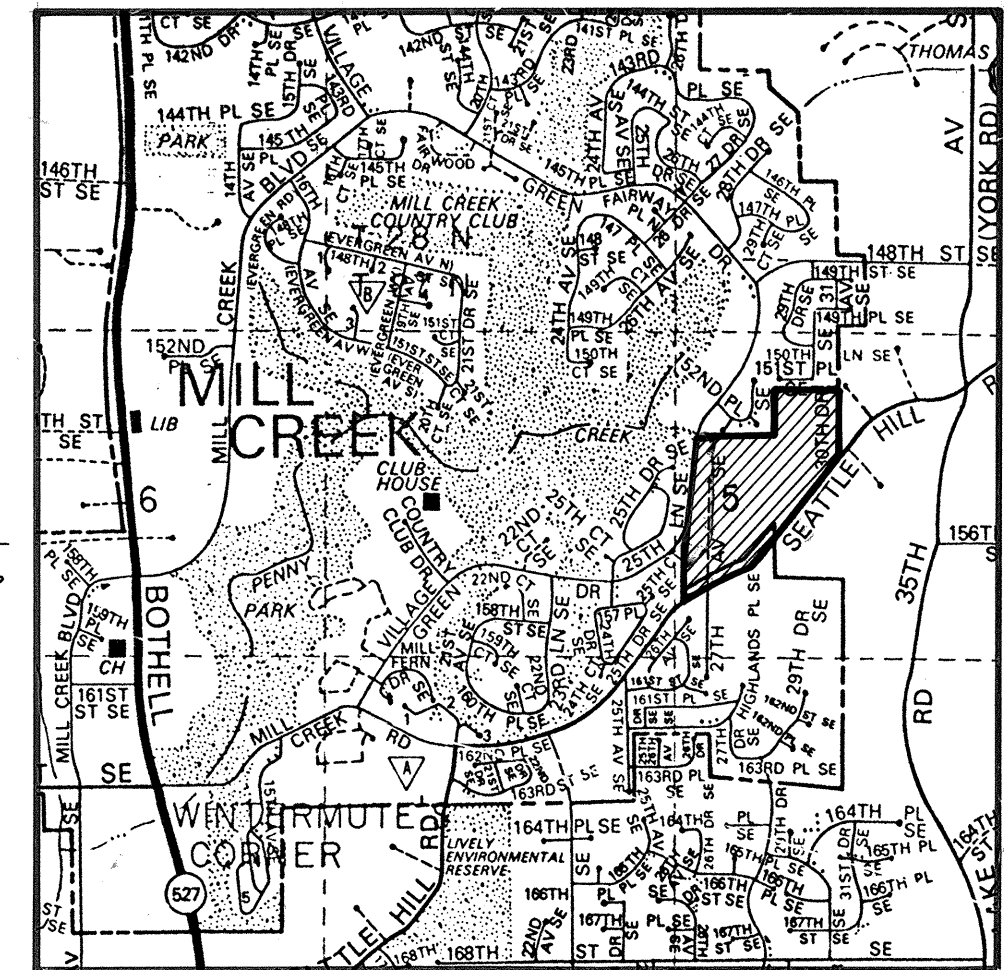
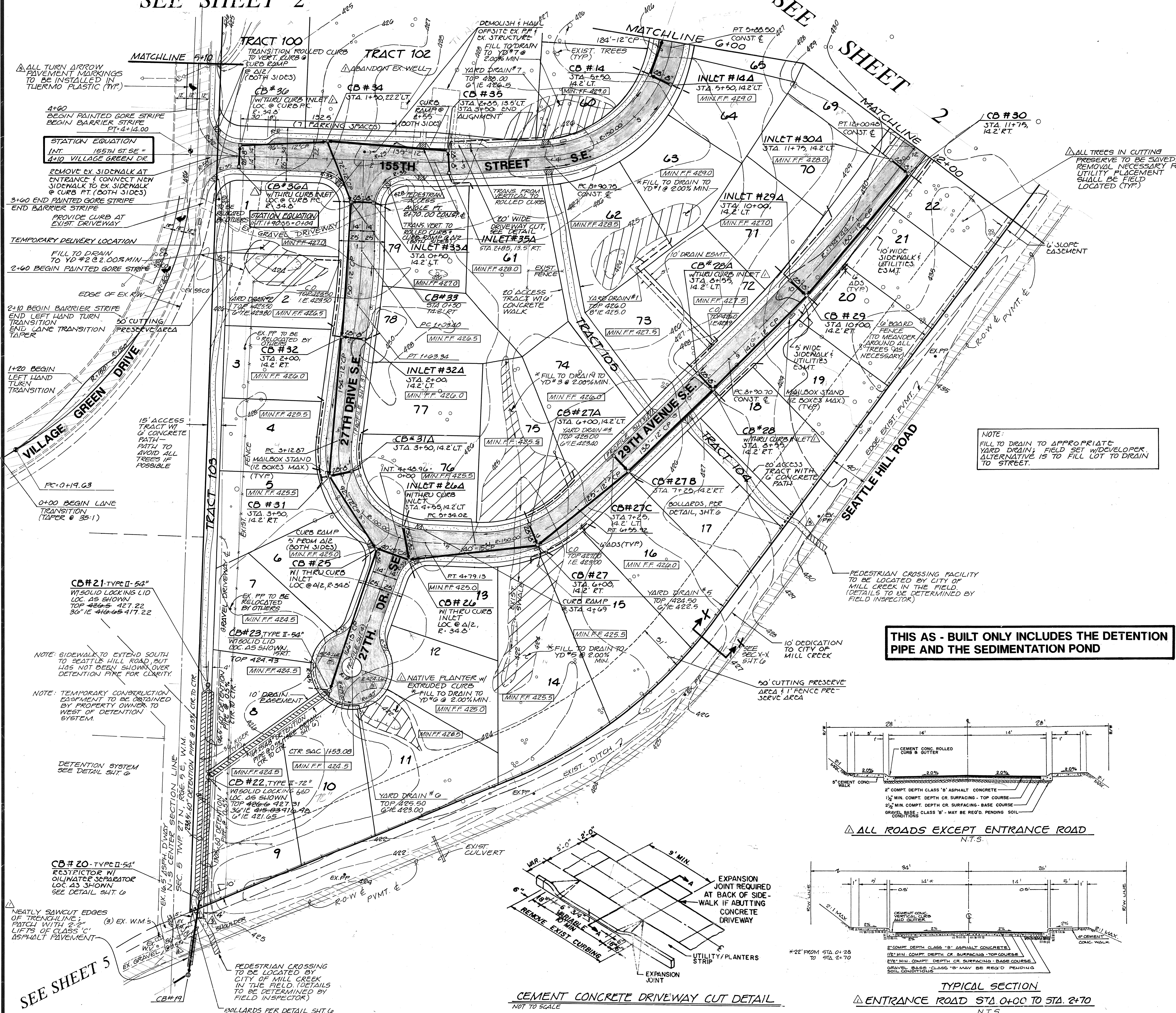


SEE SHEET 2

SEE SHEET 2



VICINITY MAP
N.T.S.

**CITY OF MILL CREEK
DEPARTMENT OF PUBLIC WORKS**

☒ APPROVED
☐ NOT APPROVED
☐ REVIEWED
☐ AS NOTED

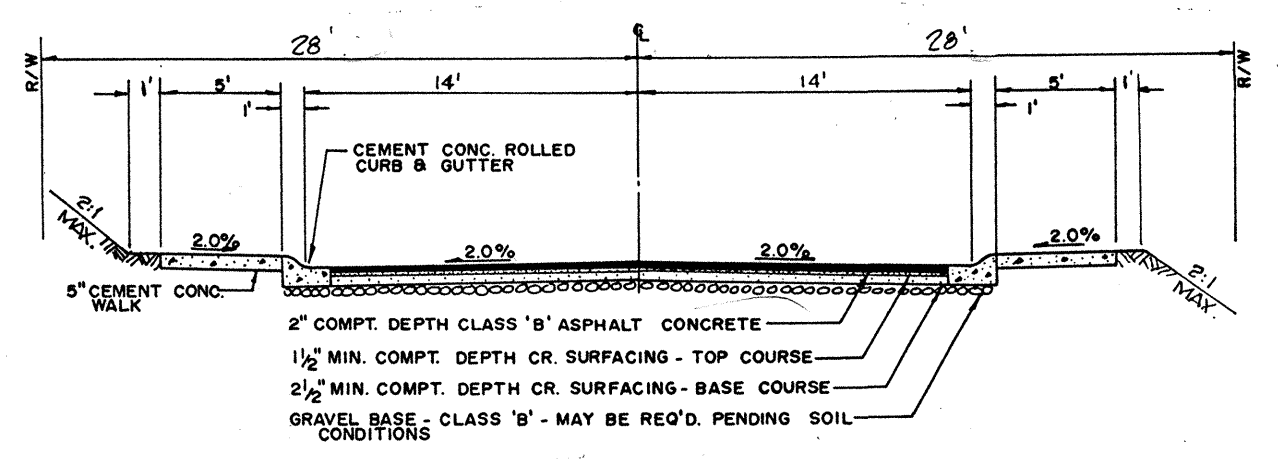
DATE: 6/2/2010

SCALE: 1" = 50'
DATUM: U.S.G.S. MEAN SEA LEVEL 1929
BENCHMARK: NORTH TOP MON. & CASE AT &
INTERSECTION VILLAGE GREEN
DRIVE & 22ND CT. SE
ELEV. 410.30
NOTE: CONTOUR INTERVAL VARIES FROM 1'-5'

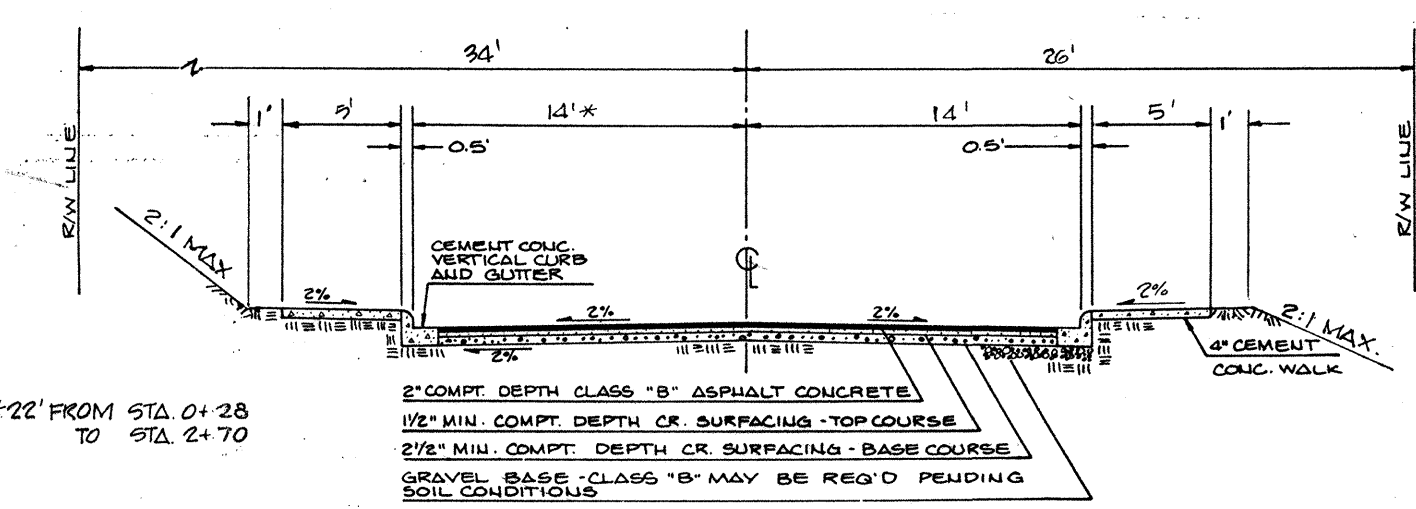
SHEET INDEX

1-2	ROAD & STORM DRAINAGE PLANS
3-4	ROAD & STORM DRAINAGE PROFILES
5	OFFSITE STORM DRAINAGE PLAN
6	ROAD & STORM DRAINAGE NOTES & DETAILS
7-8	ALIGNMENT SHEETS

THIS AS - BUILT ONLY INCLUDES THE DETENTION PIPE AND THE SEDIMENTATION POND



ALL ROADS EXCEPT ENTRANCE ROAD
N.T.S.



ENTRANCE ROAD STA. 0+00 TO STA. 2+70
N.T.S.

- NOTES:**
- ALL STORM DRAINAGE PIPE TO BE ALUMINUM CMP UNLESS OTHERWISE SPECIFIED.
 - ALL CATCH BASINS TO BE TYPE I UNLESS OTHERWISE INDICATE.
 - ALL CATCH BASIN GRATES TO BE MARKED "DUMP NO WASTE--DRAINS TO STREAM".
 - ALL CATCH BASINS TO HAVE VANED GRATES EXCEPT THROUGH-CURB INLETS WHICH WILL HAVE STANDARD GRATES.
 - ALL PRIVATE PROPERTY DRAINAGE SHALL BE TIED INTO THE PUBLIC SYSTEM

AS - BUILT

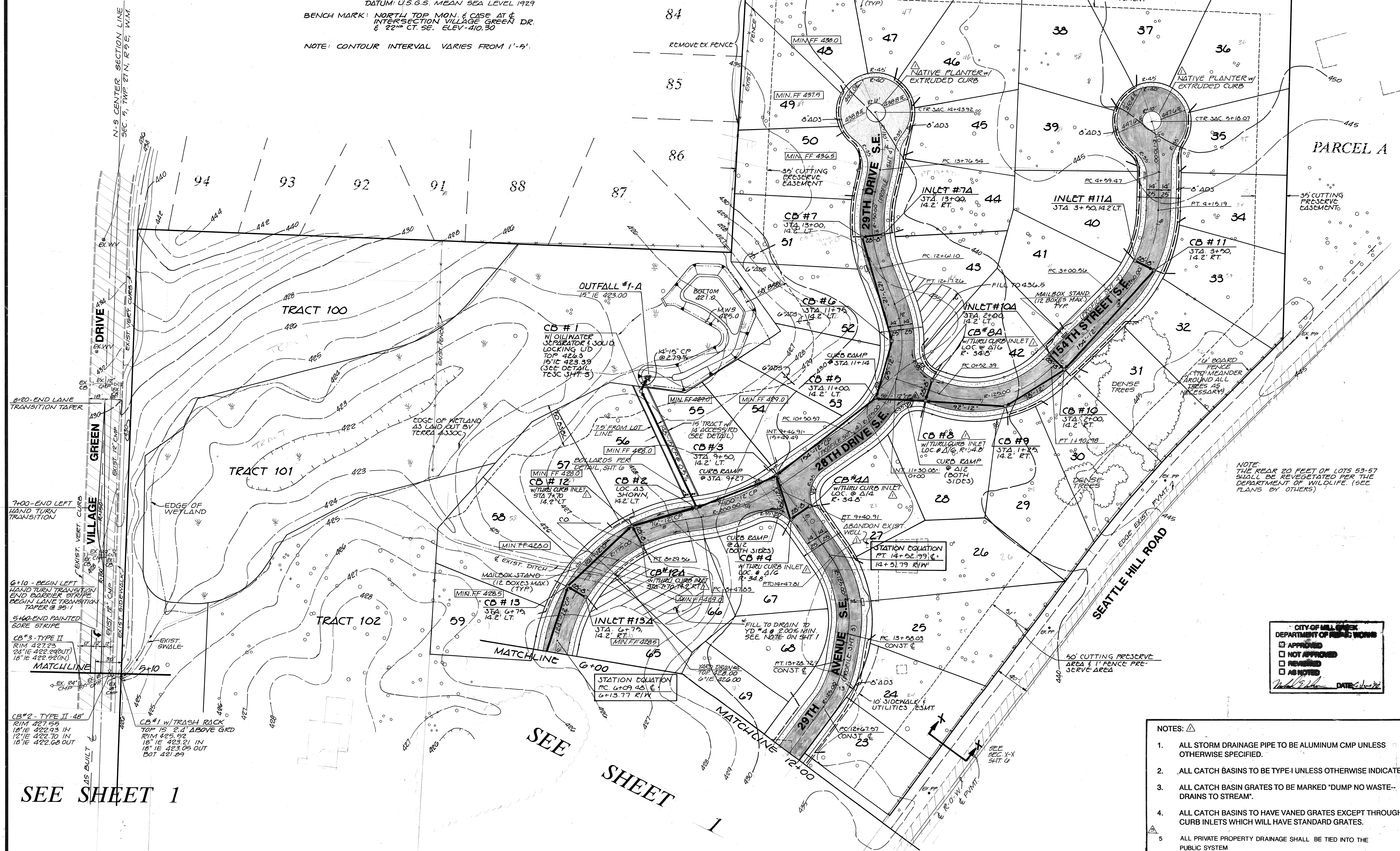
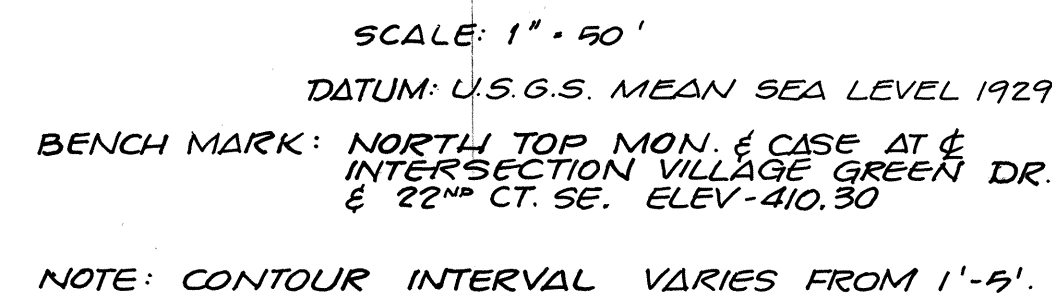
ROAD AND STORM DRAINAGE PLAN
HAMLIN PARK

CITY OF MILL CREEK, WASHINGTON

DESIGNED H.H. PE. LUTP.	CHECKED	DATE	PROJECT MANAGER
DRAWN K. NICKEL'S LUTP.	DATE		
1 SHEET OF 8		JOB NUMBER 88-237	

PARKSIDE

HDEV-364



PLAT OF
BURLEY'S
GARDEN
TRACTS

PARCEL A

NO	DATE	REVISIONS	BY	CHK
1	5-23-93	REV. PER C.O.C.	KW	
2	5-25-93	REV. STORM IN FILL AREAS	KW	
3	6-1-93	REV. PER CITY	KW	
4	6-9-93	REVISED PIPE	8801	
5	7-12-93	REVISED LOT		
6	8-24-93	REV. TO 9' 0" RTH OF SE	ZDF	
7	9-24-93	REV. TO 9' 0" RTH OF SE	ZDF	
8	10-16-93	ADDED MAILBOX LOCATIONS	ZDF	
9	10-16-93	ADDED MAILBOX LOC. JUST	ZDF	
10	10-16-93	ON SIDE OF LOT 40 AS PER	ZDF	

Project Management
Civil Engineering
Land Surveying
Land Use Planning
Environmental Analysis



TRIAD ASSOCIATES

1415 NE 128th Street • Kirkland, WA 98034 • (206) 821-8448 • (206) 821-3481 FAX

ROAD AND STORM DRAINAGE PLAN

HAMLIN PARK

WASHINGTON

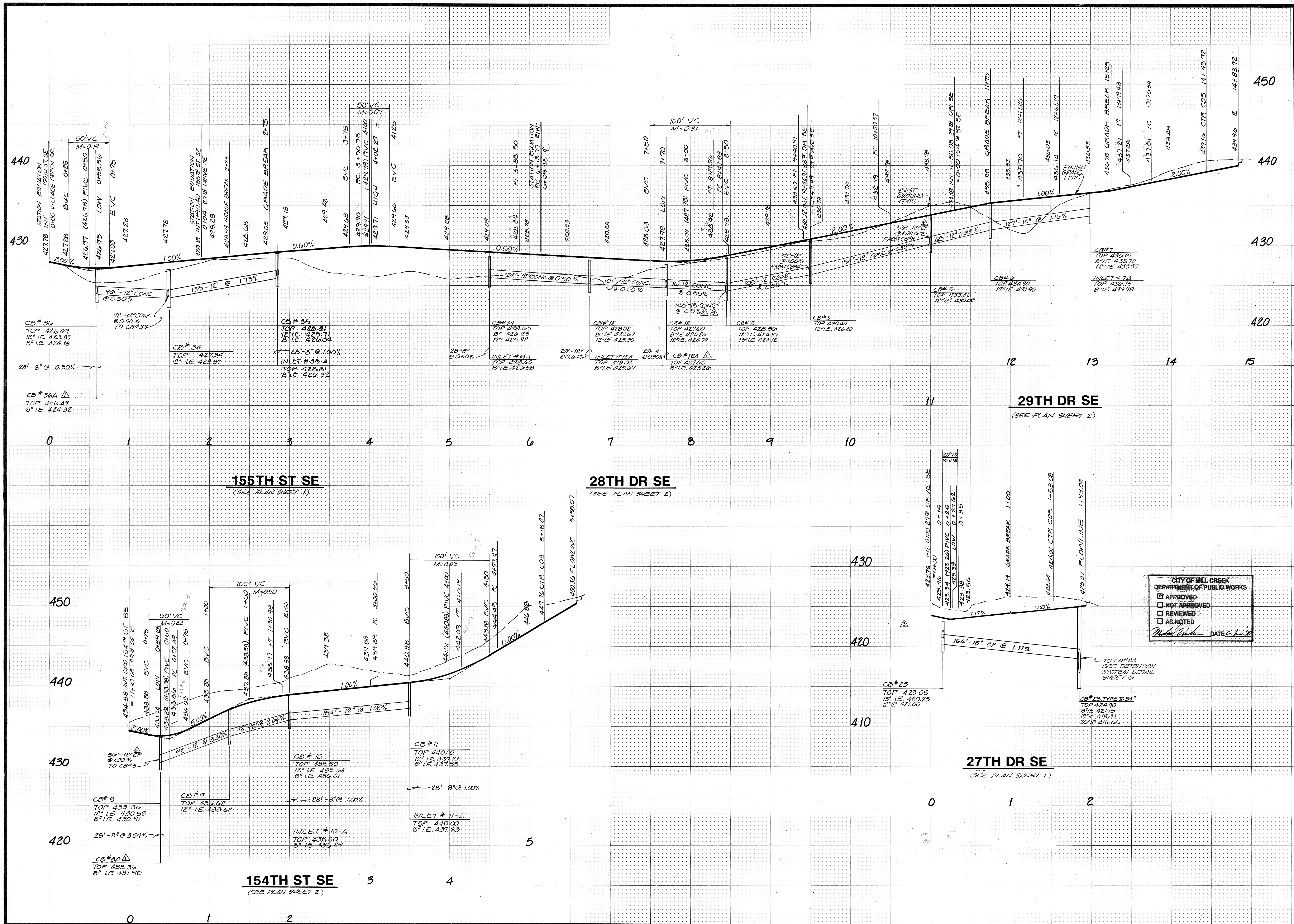
CITY OF MILL CREEK,

DESIGNED H.H. P.C./JJP
DRAWN K. NICKELS/JDR
CHECKED _____
DATE _____
LARRY CALVIN
PROJECT MANAGER

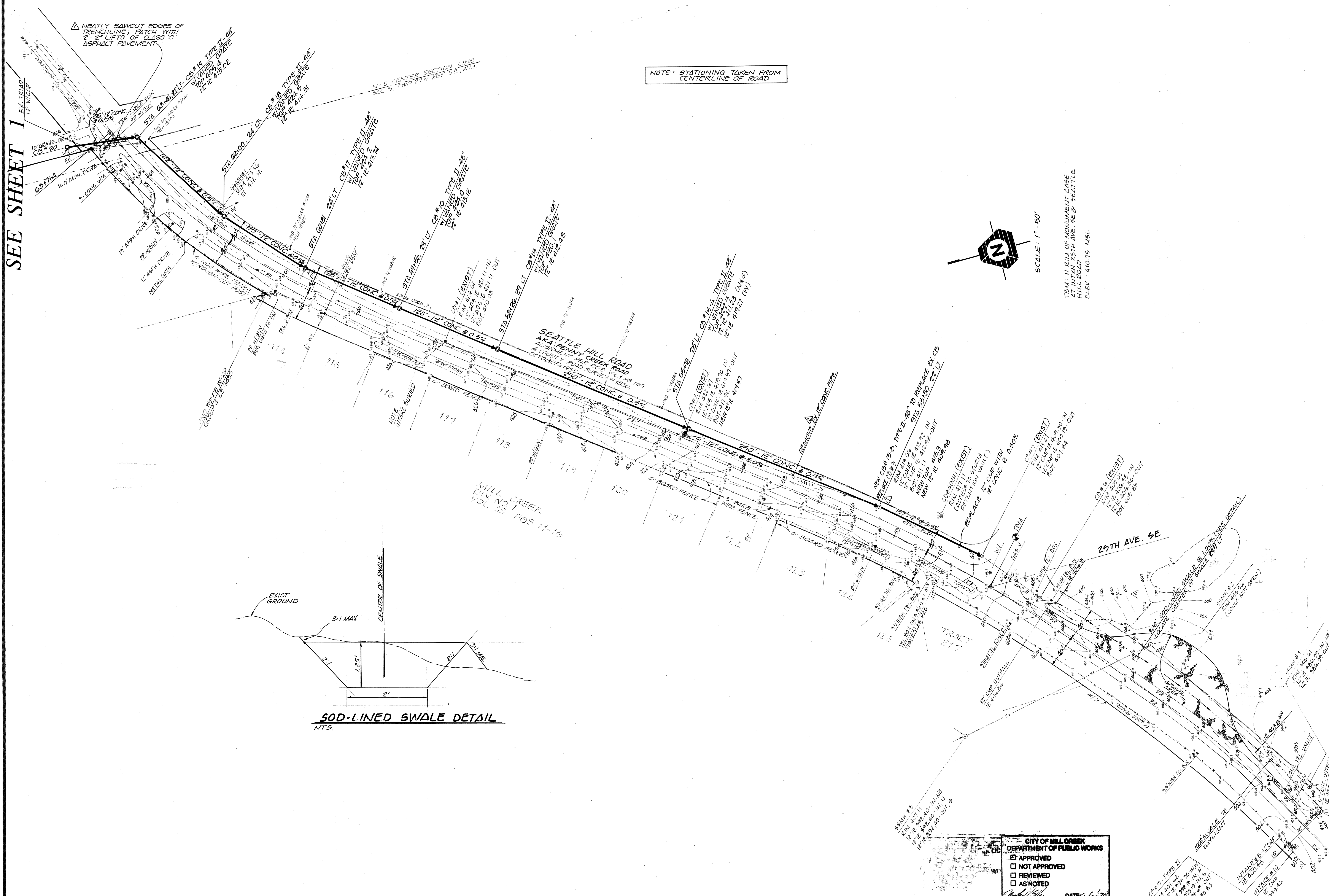
SHEET
2 OF **8**
JOB NUMBER
88-237

PARKSIDE

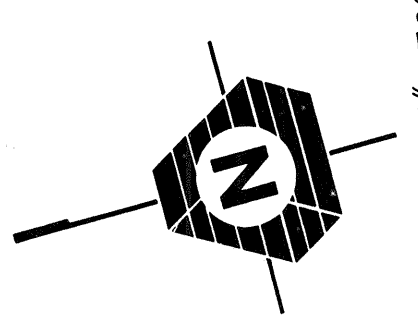
HDEV-365



SEE SHEET 1



NOTE: STATIONING TAKEN FROM CENTERLINE OF ROAD



SCALE: 1" = 50'

TBM: N. RIM OF MONUMENT CASE
11415 N. 128th St. & SEATTLE
HILL ROAD
ELEV. = 410.75 MSL

SOD-LINED SWALE DETAIL
N.T.S.

CITY OF MILL CREEK
DEPARTMENT OF PUBLIC WORKS

☒ APPROVED
☐ NOT APPROVED
☐ REVIEWED
☐ AS NOTED

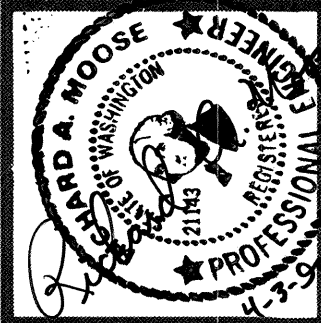
DATE: 1-1-20

OFFSITE STORM DRAINAGE PLAN
HAMLIN PARK

CITY OF MILL CREEK,

WASHINGTON

Date: _____
Designed: JUP
Drawn: ACT
Checked: LARRY CALVIN
Project Manager: _____

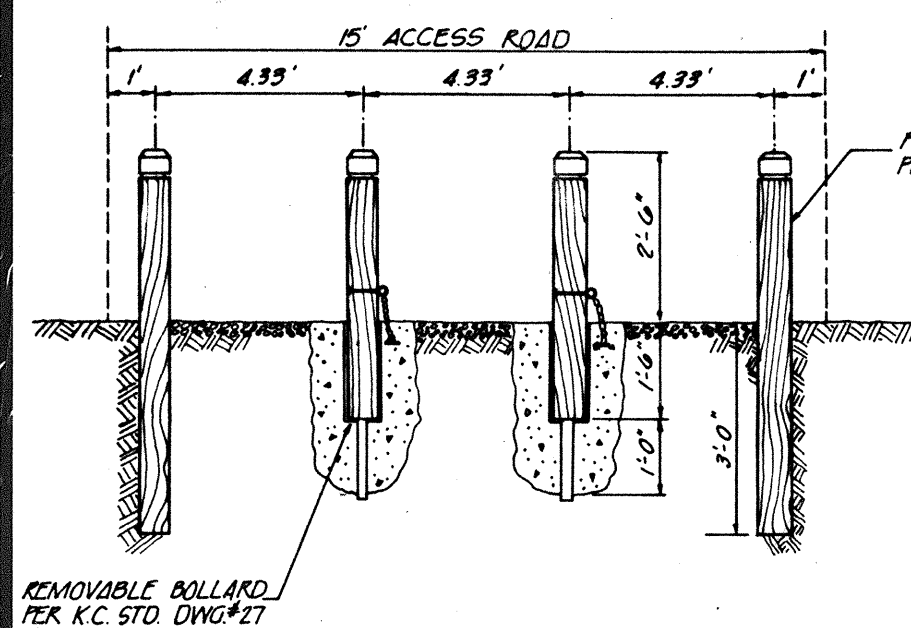
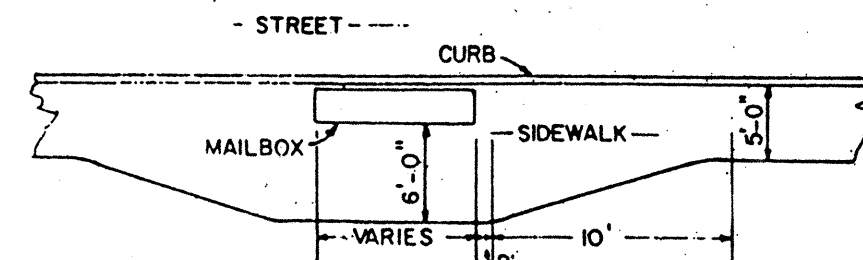
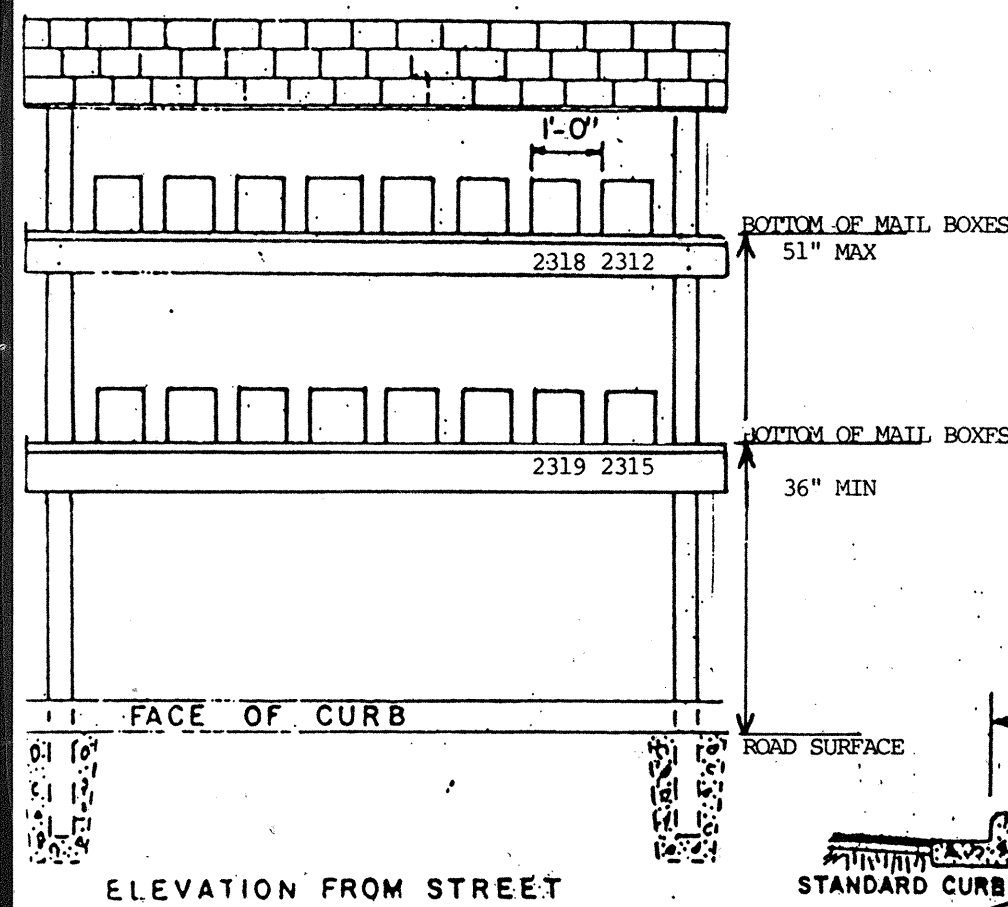


JOB NO.
88-237

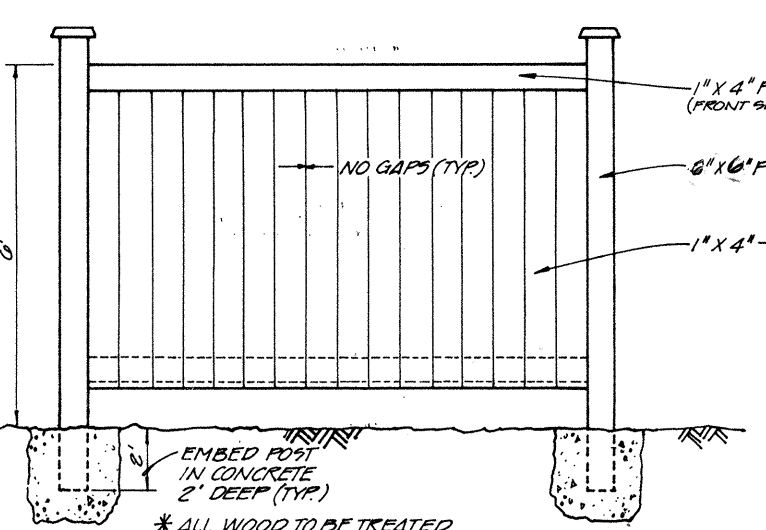
REVISIONS
1 REV. PER C.O.M.C. 5-8-90
2 REV. PER CITY 6-6-90

TRIAD ASSOCIATES
ENGINEERING SURVEYING PLANNING
11415 N. 128th St. • Kirkland WA 98034 • (206) 821-8448

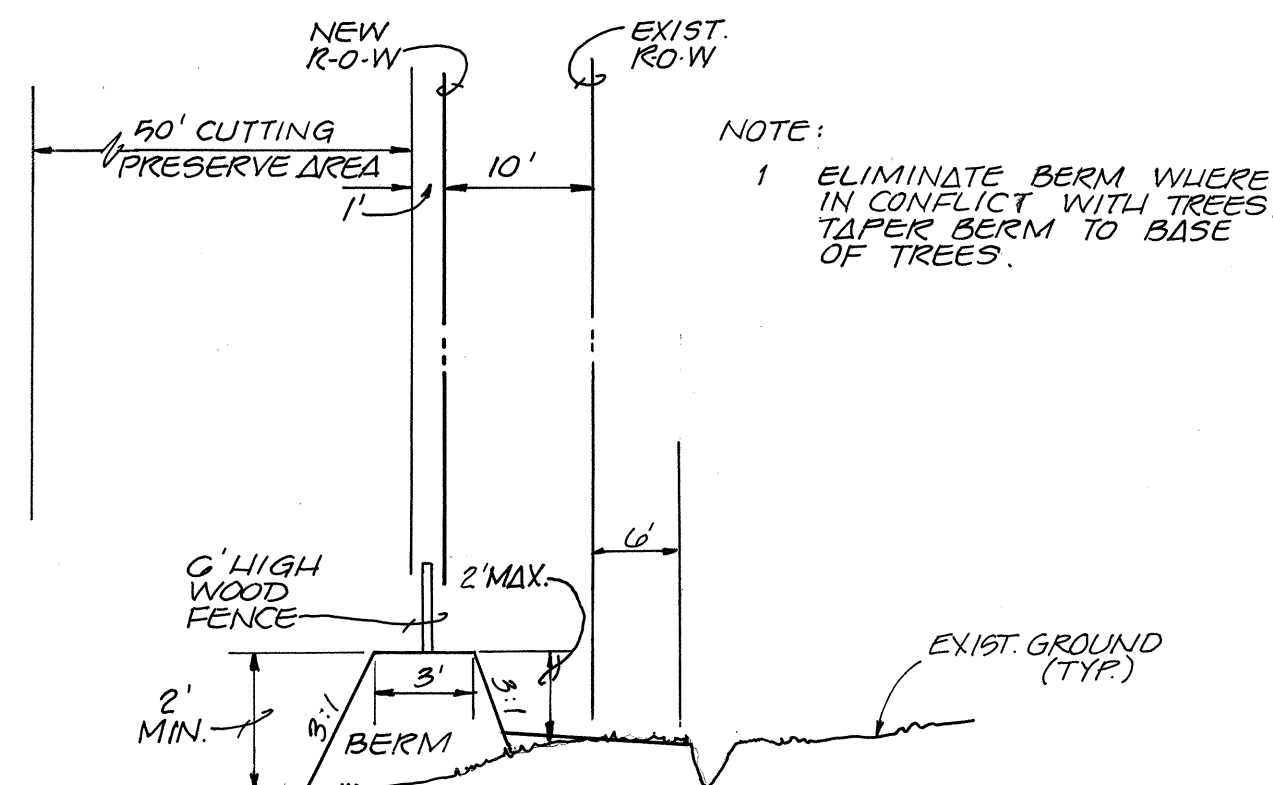
MAILBOX STANDARD



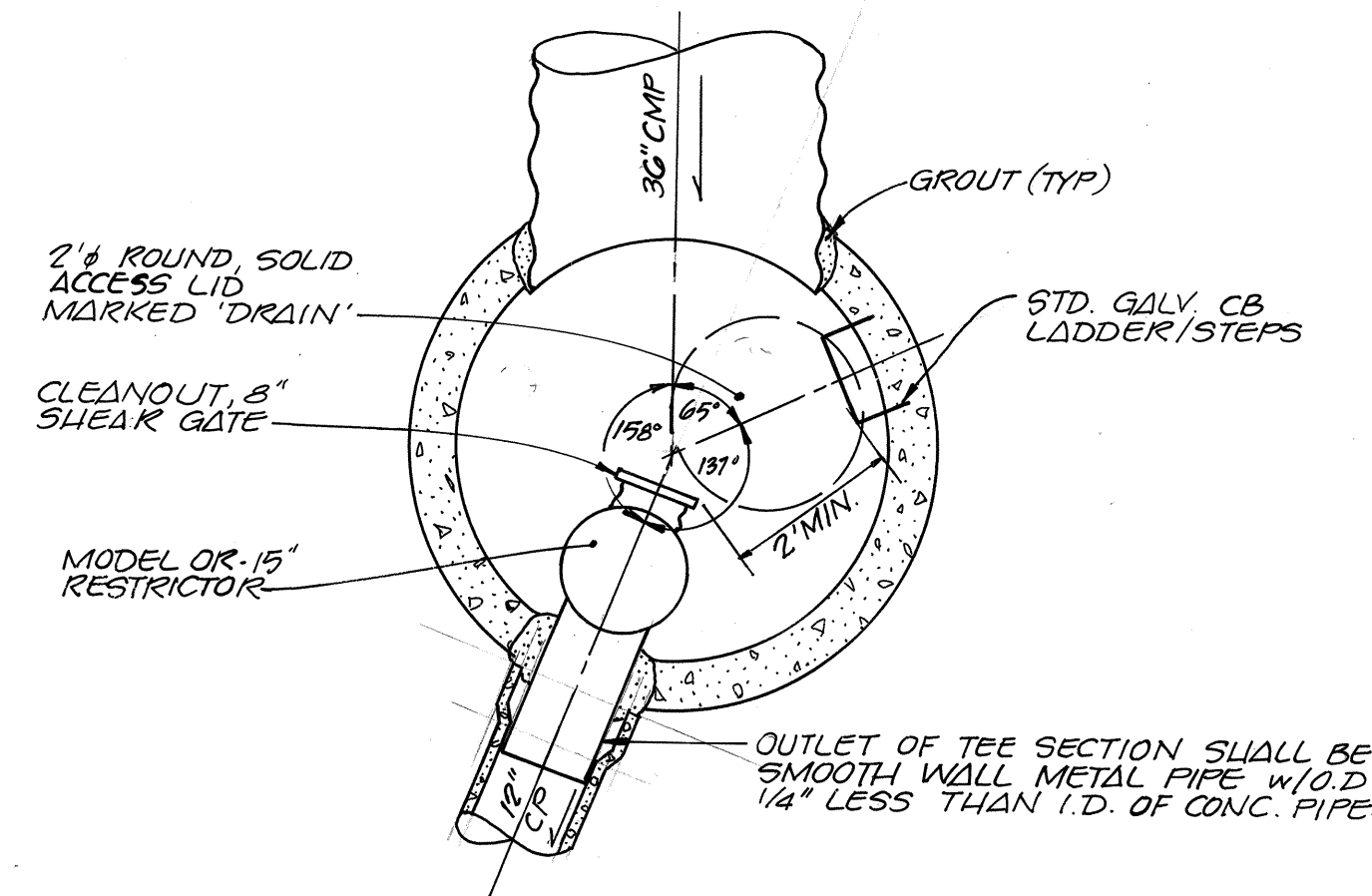
BOLLARD BARRIER DETAIL



6' BOARD FENCE DETAIL
SCALE 1" = 2'

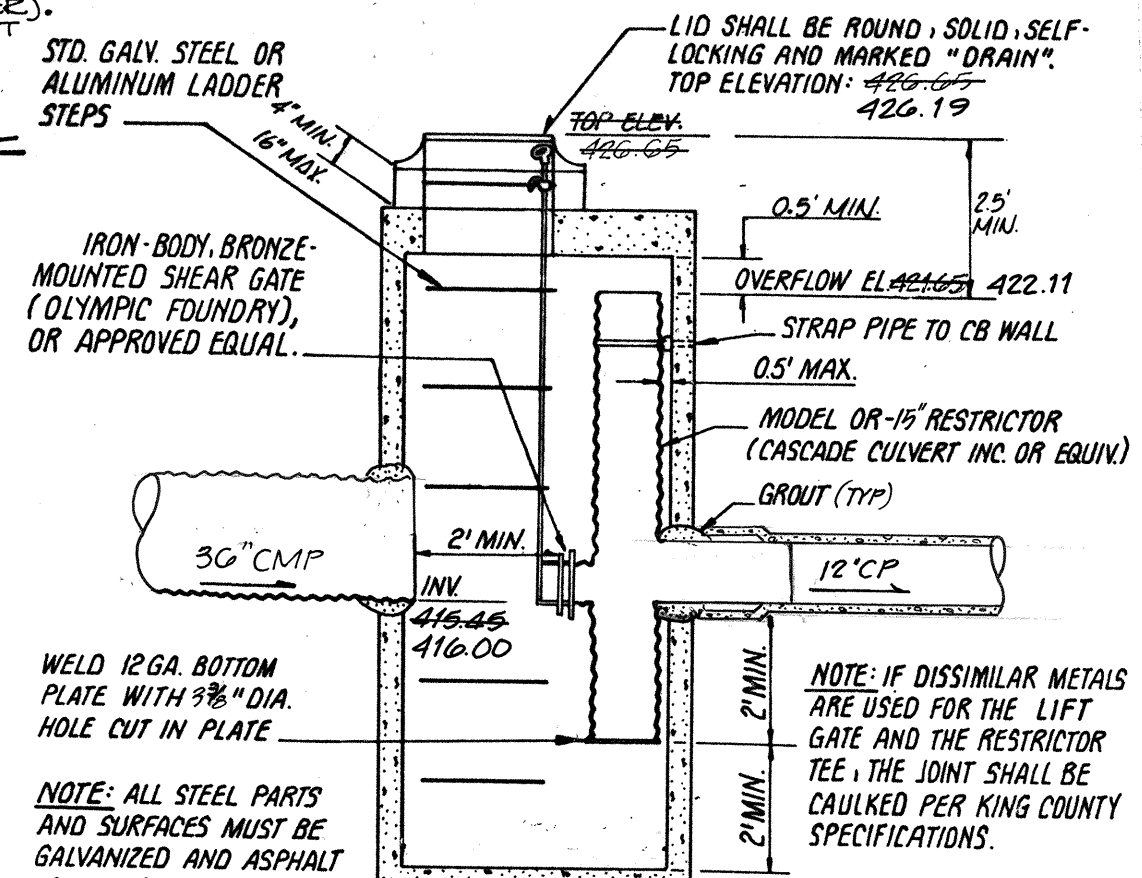


SECTION X-X
NTS

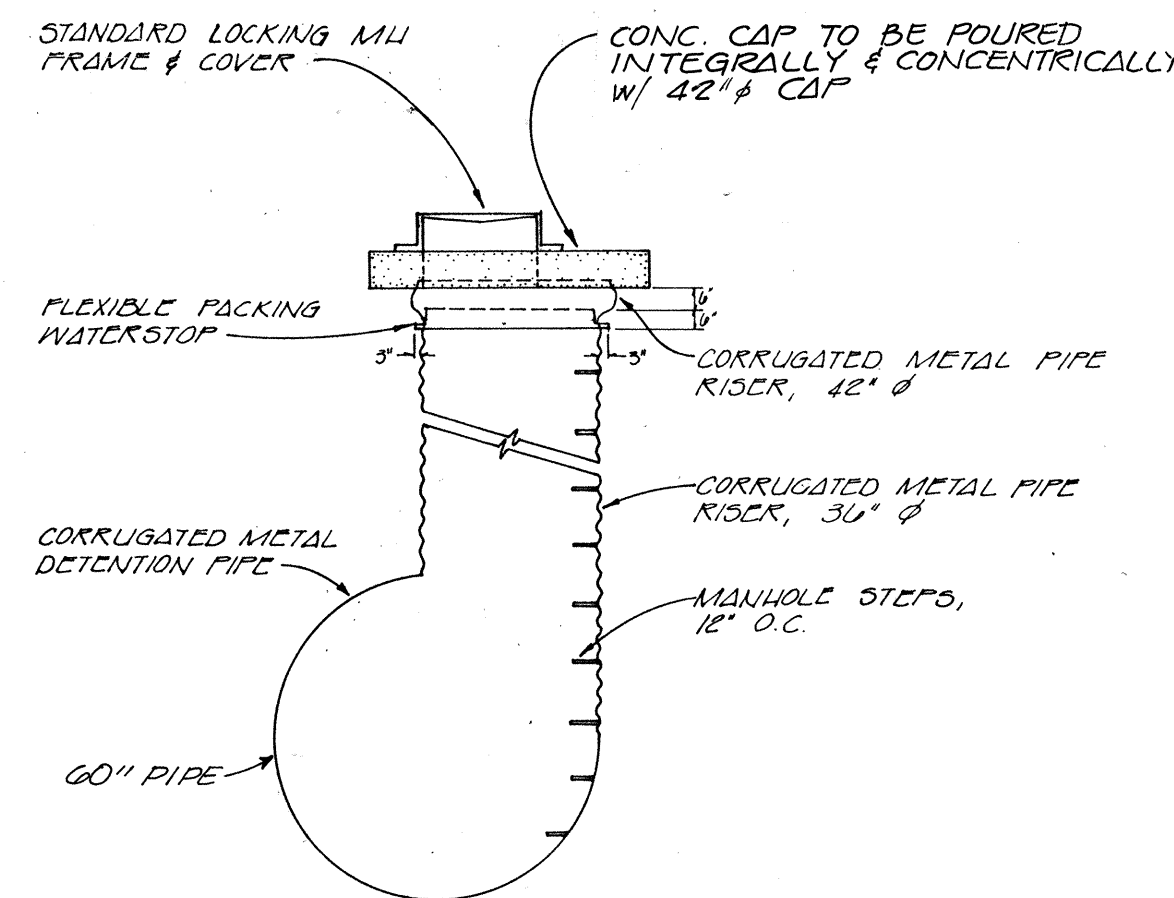


CB #20, PLAN VIEW
SCALE: 1" = 2'

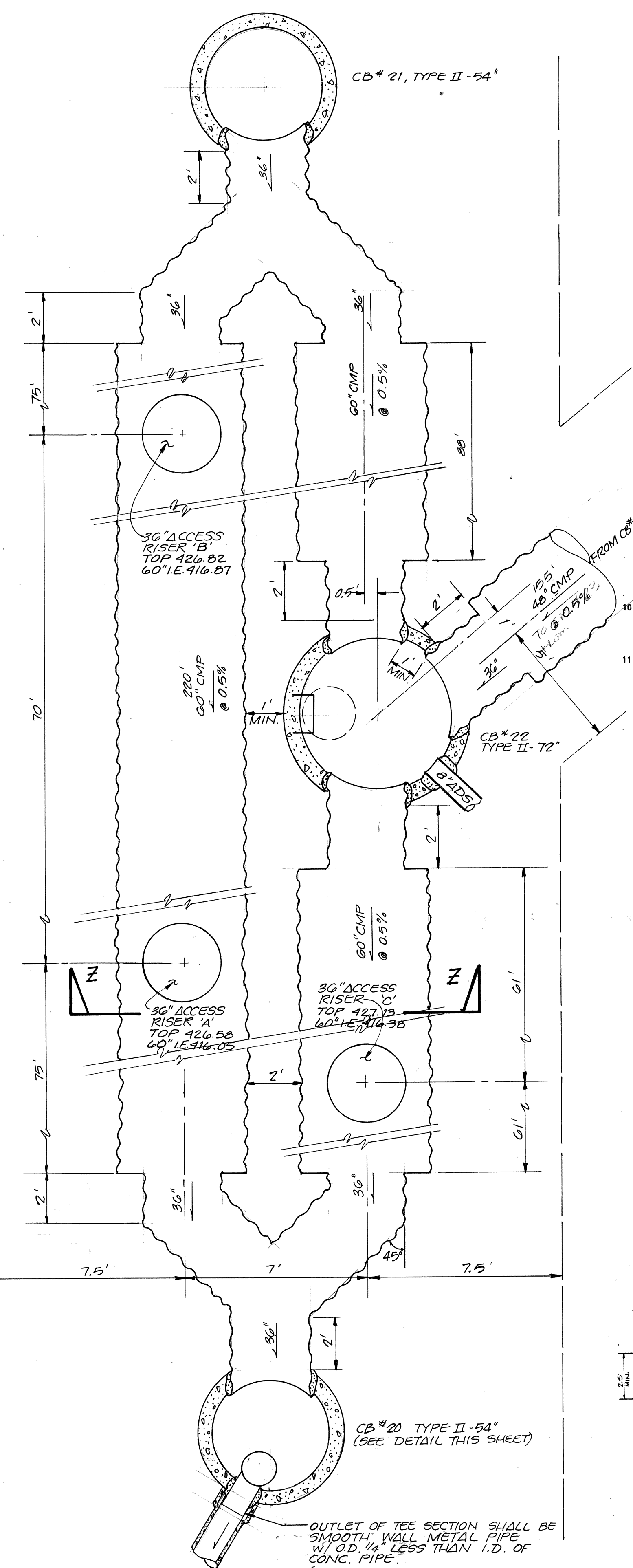
DETENTION PIPE	
VOLUME REQUIRED	10,272 FT²
VOLUME PROVIDED	10,859 FT²



DETAIL ~ C.B. #20 TYPE II - 54"
WATER SEPARATOR AND RESTRICTED ORIFICE
NO SCALE



DETENTION PIPE ACCESS RISER
N.T.S.



PLAN VIEW
DETENTION SYSTEM
SCALE: 1" = 3'

CITY OF MILL CREEK
DEPARTMENT OF PUBLIC WORKS

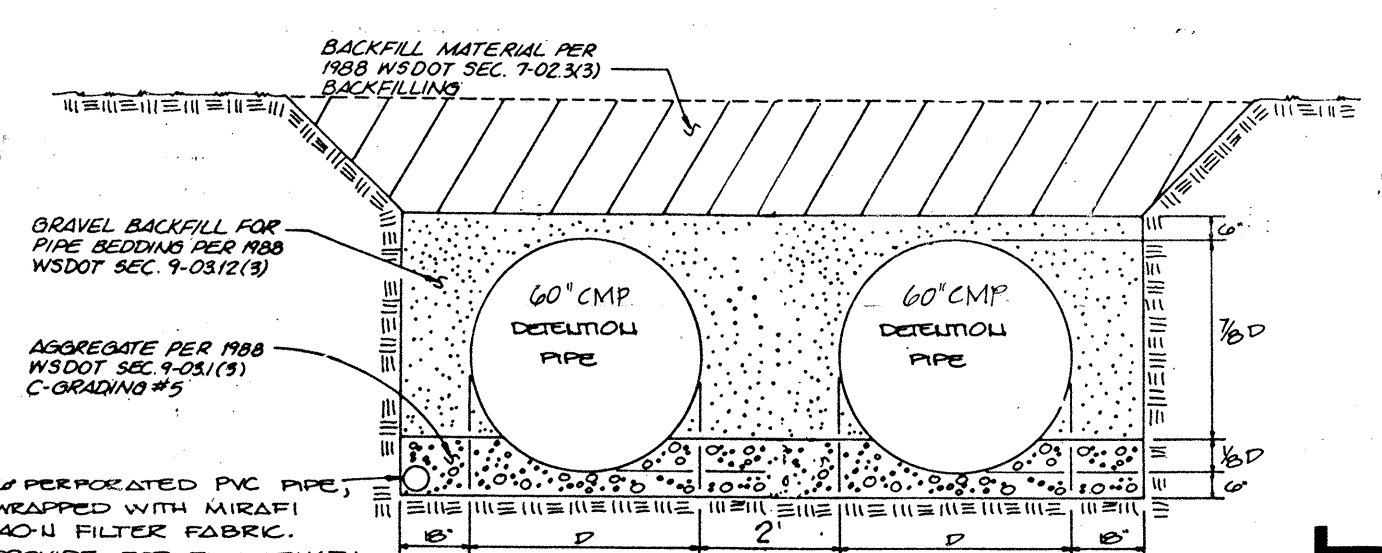
☒ APPROVED
☐ NOT APPROVED
☐ REVIEWED
☐ AS NOTED

[Signature] DATE: *June 20, 2007*

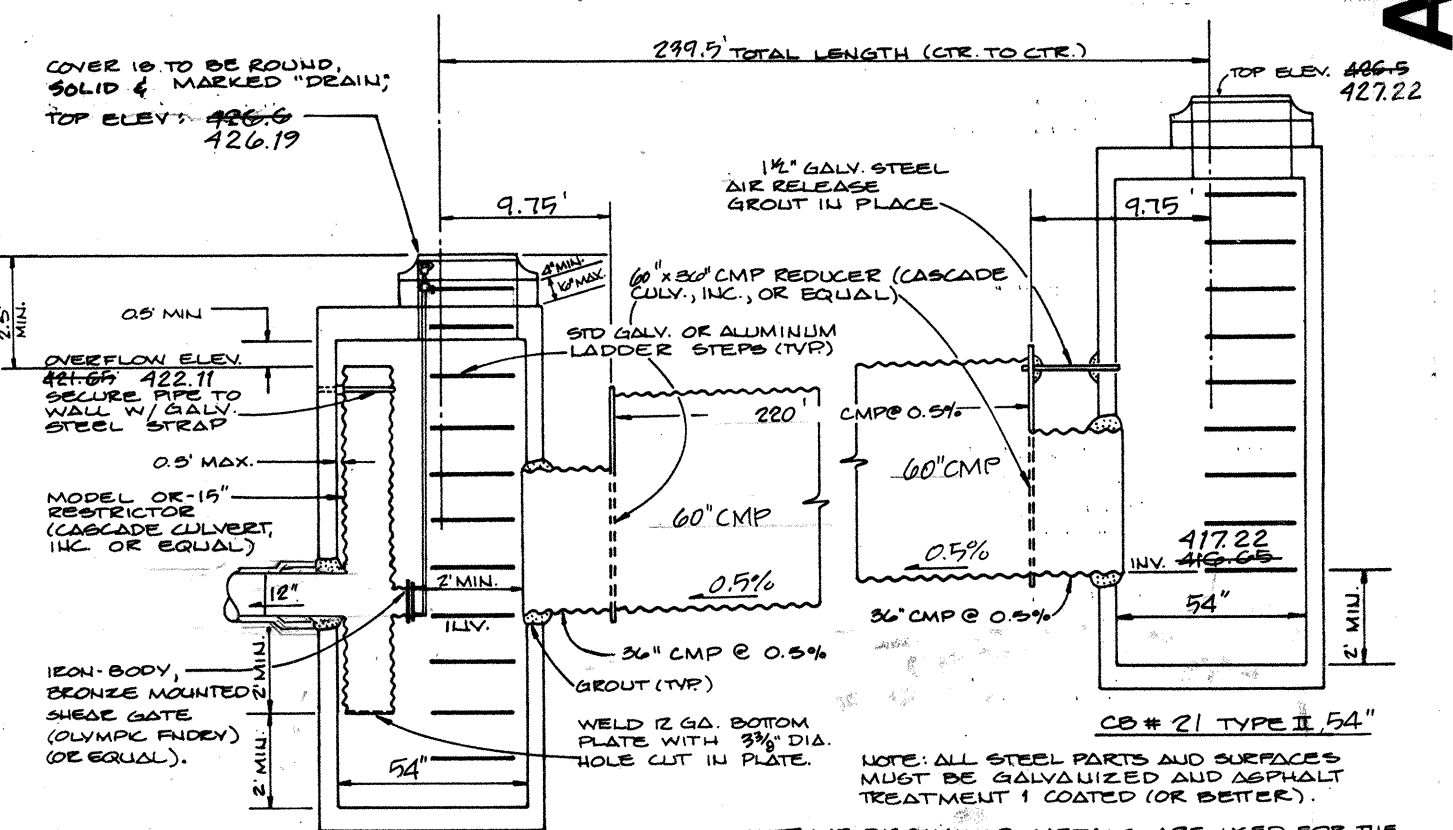
STORM WATER DRAINAGE PLAN NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SNOWHOMISH CITY STANDARDS AND SPECIFICATIONS AS ADOPTED BY THE CITY OF MILL CREEK.
 2. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE.
 3. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION. THE GENERAL CONTRACTOR SHALL ADVANCE A PRECONSTRUCTION CONFERENCE WITH THE CITY OF MILL CREEK PUBLIC WORKS DEPARTMENT. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONTACT THE CITY OF MILL CREEK PUBLIC WORKS DEPARTMENT AT LEAST 72 HOURS PRIOR TO ANY REQUIRED INTERMEDIATE INSPECTION.
 4. THE STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS WHICH ARE ON FILE IN THE PUBLIC WORKS DEPARTMENT. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL FROM THE PUBLIC WORKS DEPARTMENT. A COPY OF THESE APPROVED PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
 5. COMPACTION OF ALL FILL AREAS SHALL BE PER SNOWHOMISH CITY SPECIFICATIONS. FILL SHALL BE PROVIDED IN 6-INCH MAXIMUM LIFTS AND SHALL BE COMPACTED TO 95 PERCENT OF ITS MAXIMUM RELATIVE DENSITY AS DETERMINED BY SECTION 2-03.314(D) OF THE WASHINGTON STATE HIGHWAY DEPARTMENT 1976 STANDARD SPECIFICATIONS.
 6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE SILTATION CONTROL SYSTEMS DEPICTED ON THE EROSION/SEDIMENTATION CONTROL PLAN ARE SUCH AS TO MEET MINIMUM REQUIREMENTS, AS CONSTRUCTION PROGRESSES AND UNEXPECTED SEASONAL CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE PROPOSED PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES. (NOTE: THE TEMPORARY EROSION/SEDIMENTATION CONTROL DEVICES SHALL BE IN OPERATION PRIOR TO ANY CONSTRUCTION.)
 7. ALL DISTURBED SURFACES SHALL BE HYDRO-SEED TO CITY OF MILL CREEK STANDARDS UNLESS OTHER EROSION-RESISTANT LANDSCAPING IS IMMEDIATELY PROPOSED. GRASS SEEDING WILL BE DONE USING AN APPROVED TYPE HYDRO-SEEDER OR AS OTHERWISE APPROVED BY THE CITY OF MILL CREEK PUBLIC WORKS DEPARTMENT. THE PERFORMANCE BOND WILL NOT BE RELEASED UNTIL THE GRASS IS ESTABLISHED UNLESS OTHERWISE APPROVED BY THE CITY OF MILL CREEK PUBLIC WORKS DEPARTMENT.
 8. PRIOR APPROVAL MUST BE OBTAINED FROM THE CITY OF MILL CREEK PUBLIC WORKS DEPARTMENT BEFORE ANY STRUCTURES, FILL OR OBSTRUCTIONS, INCLUDING FENCES, ARE LOCATED WITHIN ANY DRAINAGE EASEMENT.
 9. A COPY OF THESE APPROVED PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- ALL DETENTION PIPE SHALL BE HELICAL CMP, ALUMINUM OR GALVANIZED STEEL; 36-INCH PIPE SHALL BE 16 GAUGE WITH 2-2/3" X 1/2" CORRUGATIONS; 48-INCH PIPE SHALL BE 16-GAUGE WITH 2-2/3" X 1/2" CORRUGATIONS; 60-INCH PIPE SHALL BE 16-GAUGE WITH 3" X 1" CORRUGATIONS.
- ALL STORM SEWER PIPE SHALL BE ASTM C-14 CLASS II, NONREINFORCED CONCRETE BELL AND SPIGOT (WITH BELL REMOVED FROM THE INSIDE OF ALL CATCH BASINS). WHERE NOT SPECIFICALLY CALLED OUT AS "CONCRETE PIPE", THE STORM SEWER MAY BE HELICAL CORRUGATED METAL PIPE (14-GAUGE UNLESS NOTED OTHERWISE), ALUMINUM ONLY.
- AS AN ALTERNATE TO EITHER CMP OR CONCRETE PIPE, SMOOTH-WALLED CORRUGATED POLYETHYLENE MAY BE USED. THIS PIPE AND FITTINGS SHALL BE MANUFACTURED FROM HIGH DENSITY POLYETHYLENE RESIN WHICH SHALL MEET OR EXCEED THE REQUIREMENTS OF TYPE III, CATEGORY 4 OR 5, GRADE P33 OR P34, CLASS C PER ASTM D1238. IN ADDITION, THE PIPE SHALL COMPLY WITH ALL MATERIAL AND STIFFNESS REQUIREMENTS OF AASHTO M204.

**THIS AS - BUILT ONLY INCLUDES THE DETENTION
PIPE AND THE SEDIMENTATION POND**



SECTION Z-Z
DETENTION PIPE BEDDING
BACKFILL, AND DRAINAGE
1/2" SCALE

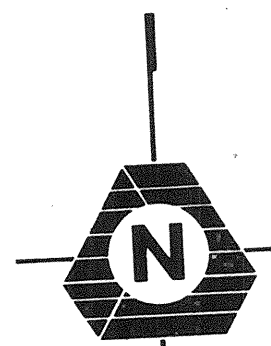


RESTRICTED ORIFICE

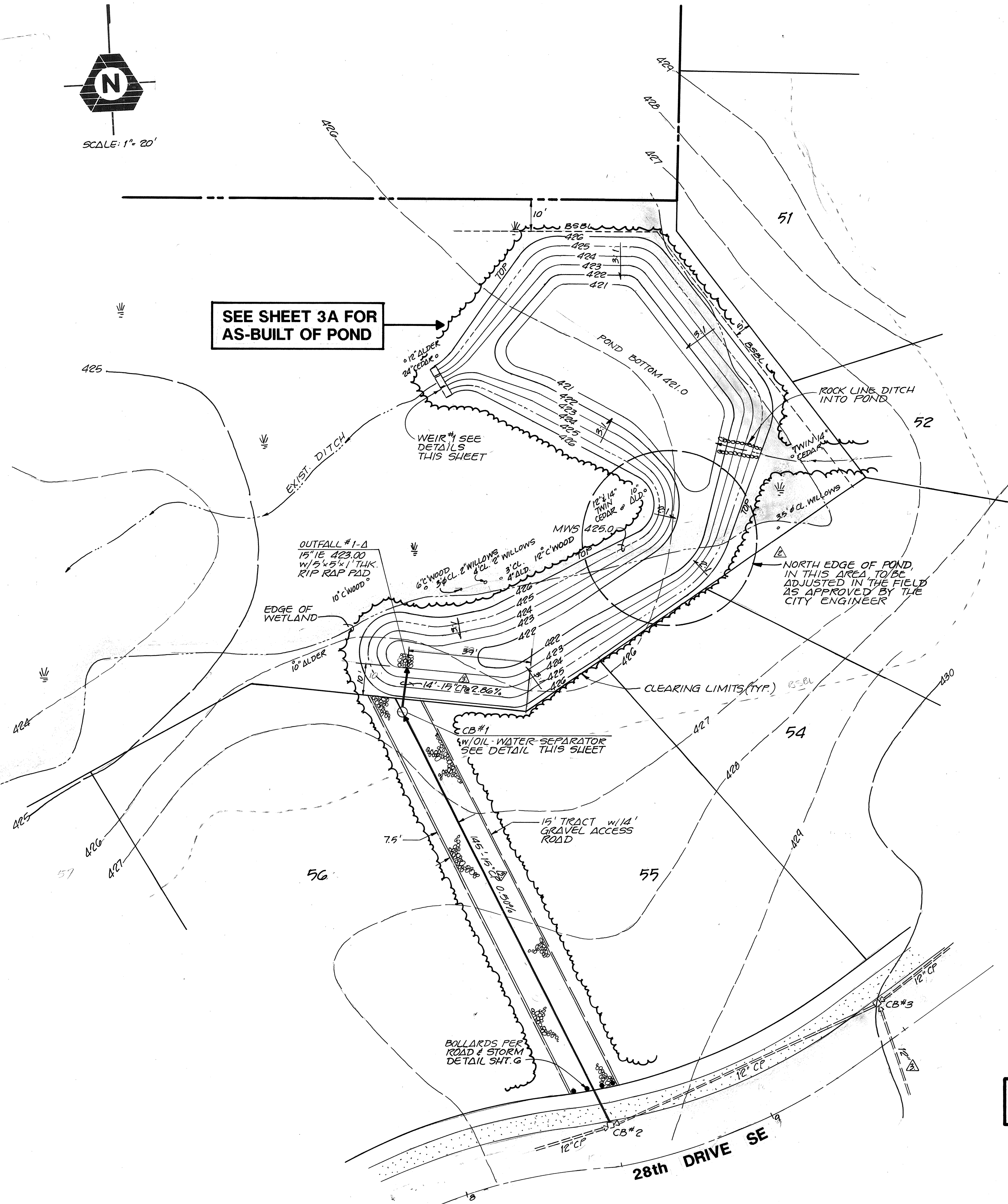
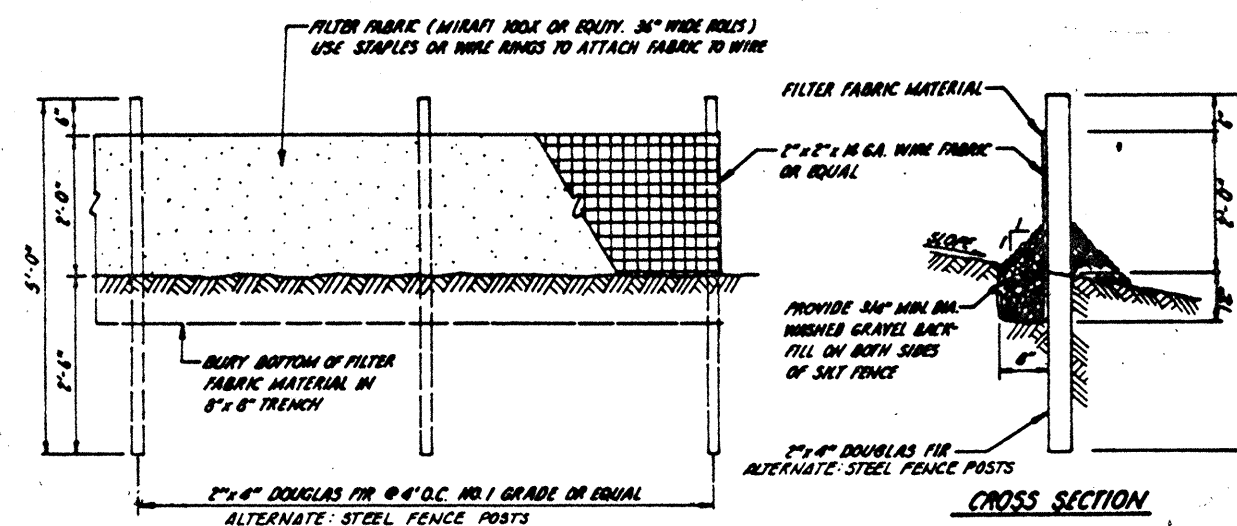
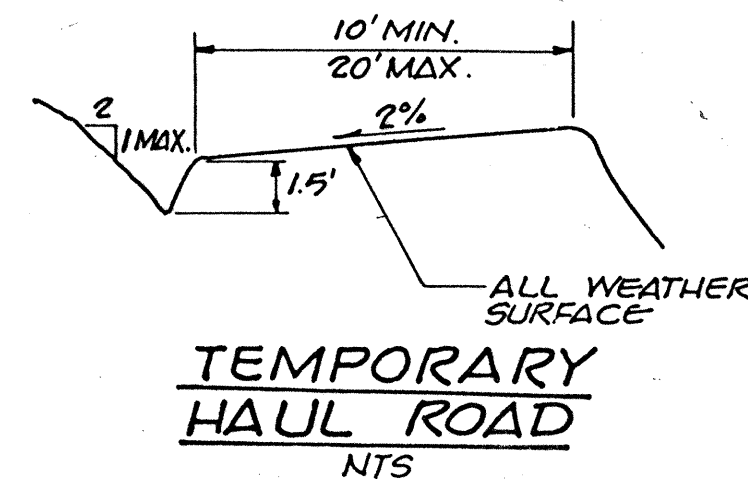
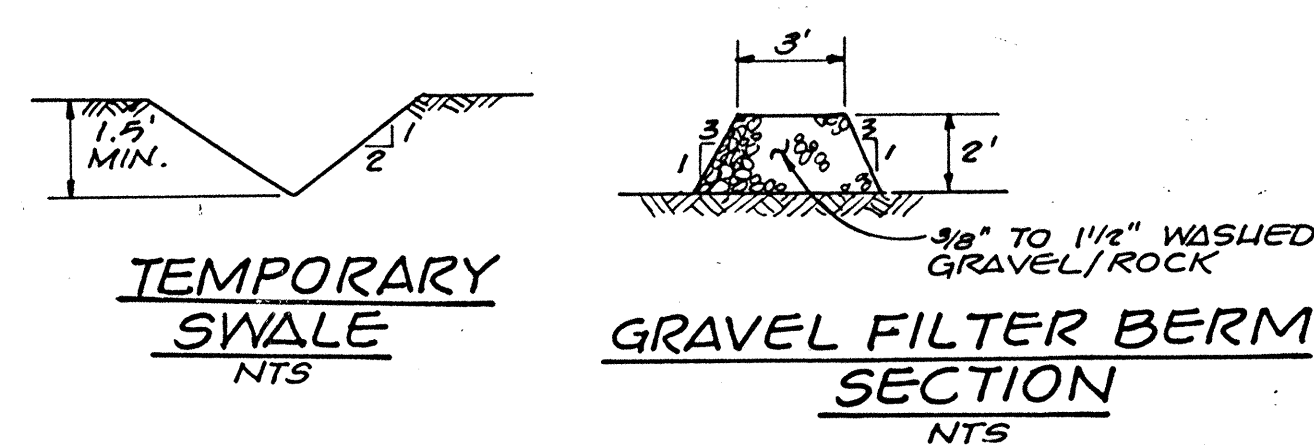
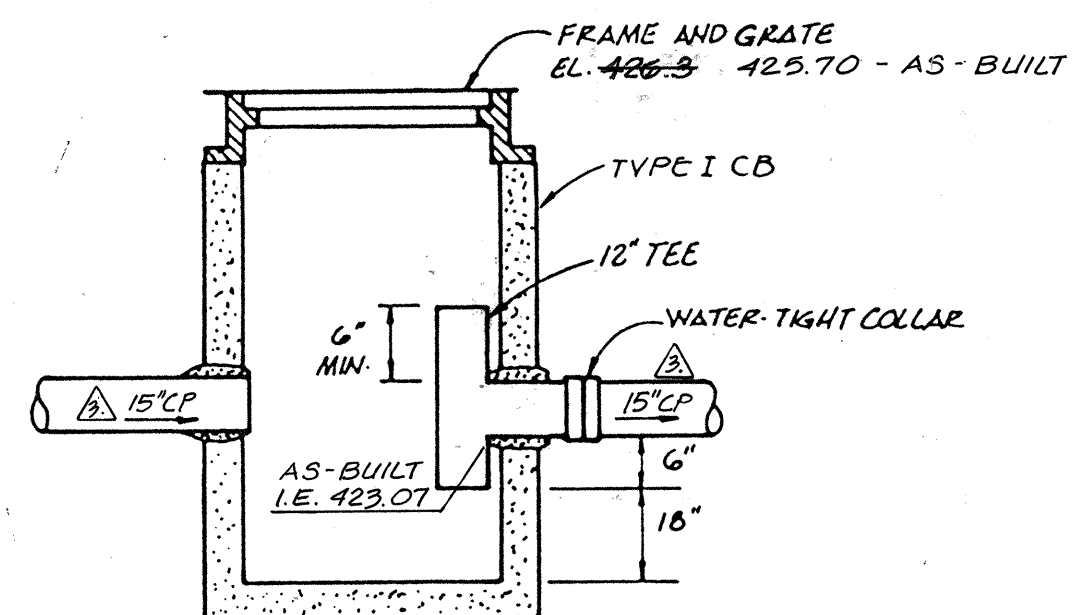
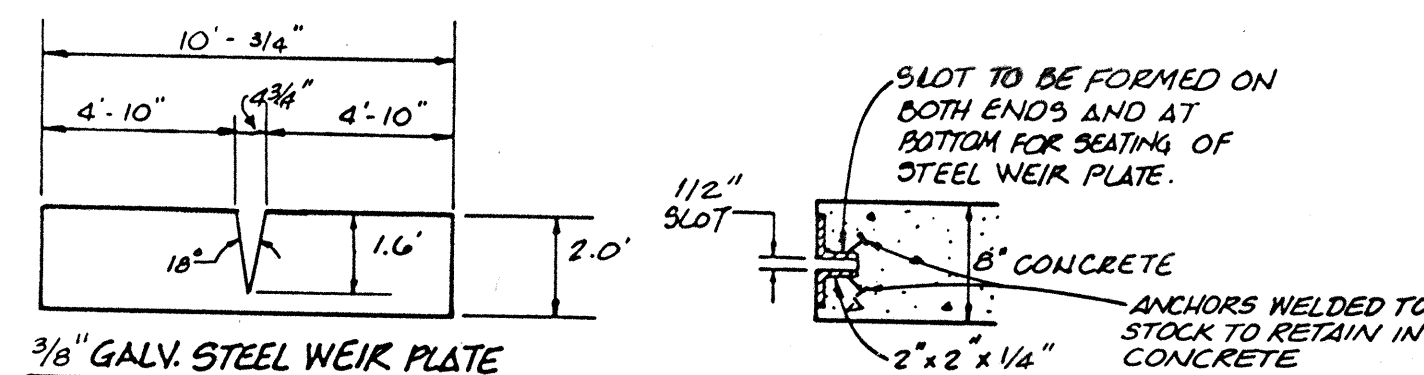
DETENTION SYSTEM DETAIL

NO SCALE

NOTE: IF DISSIMILAR METALS ARE USED FOR THE
LIFT GATE AND THE RESTRICTOR TEE, THE
JOINT SHALL BE CAULKED PER KING COUNTY
SPECIFICATIONS.

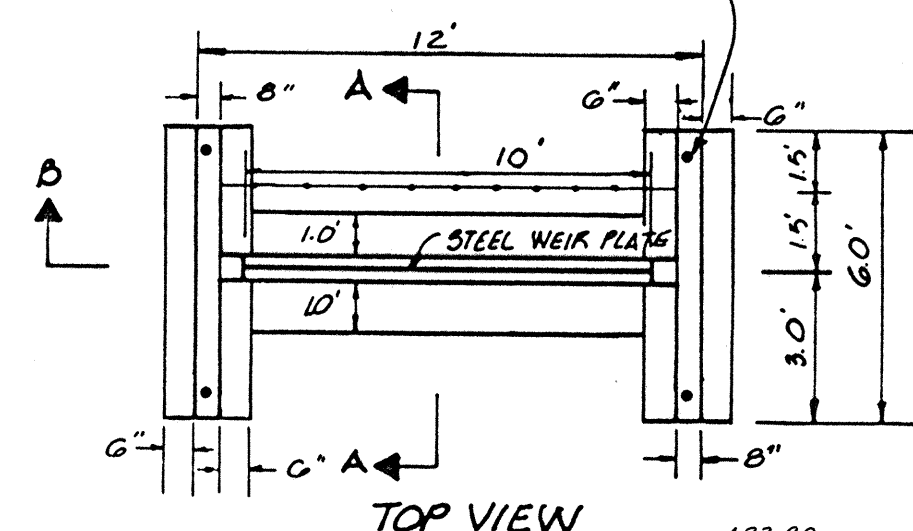


SCALE: 1" = 20'

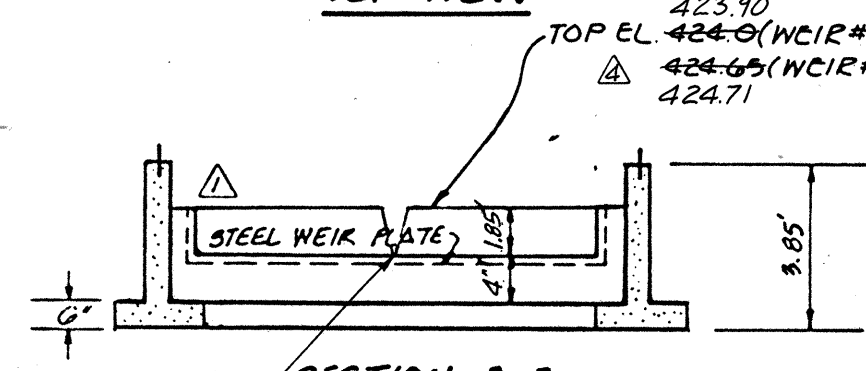
SEE SHEET 3A FOR
AS-BUILT OF PONDCONSTRUCTION ADDRESS:
2923 PENNY CREEK RD.
MILL CREEK, WA. 98011FILTER FENCE DETAIL
(NOT TO SCALE)OIL-WATER SEPARATOR CB#1
NTS

SLIDE SETTING SECTION

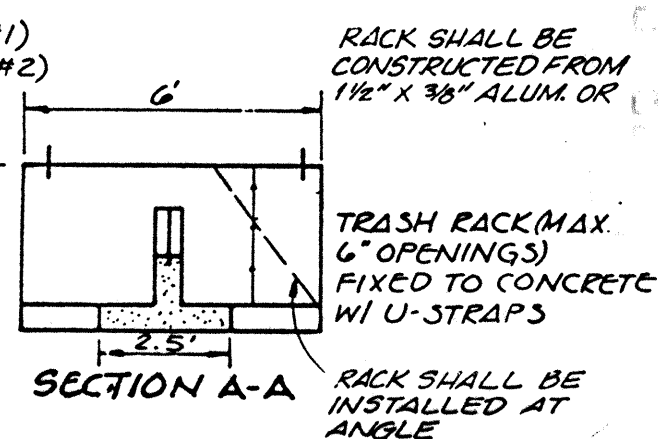
INSTALL 4 EA 5/8"x12" BOLTS W/3" CLEAR FOR FUTURE FOOTBRIDGE BOTTOM PLATE CONNECTION



TOP VIEW



SECTION D-D

WEIR DETAIL
NTS

SECTION A-A

NOTES:

1. ALL WALLS ARE 6" CONCRETE.
2. NO. 4 REBAR TO BE INSTALLED IN ALL WALLS AND FOOTING, 6" ON CENTER, EACH WAY 2' MIN. CLEAR FROM FACE OF WALL.
3. PROVIDE 12" THICKNESS OF QUARRY SPALLS AS ARMOUR AROUND FOOTINGS.

RACK SHALL BE CONSTRUCTED FROM 1 1/2" X 3/8" ALUM. OR

TRASH RACK (MAX. 6" OPENINGS) FIXED TO CONCRETE W/ U-STRAPS

RACK SHALL BE INSTALLED AT ANGLE

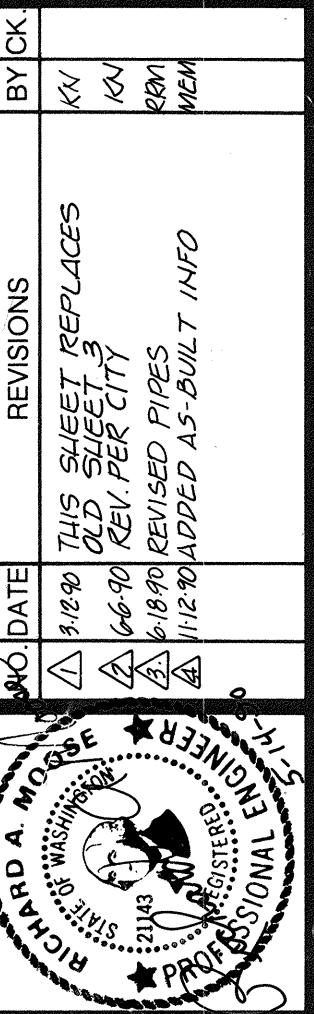
CITY OF MILL CREEK
DEPARTMENT OF PUBLIC WORKS

DESIGNED: J. ANDERSON
DRAWN: K. NICKELS
CHECKED: E.A.M.
DATE: 9-12-90
PROJECT MANAGER: LARRY CALVIN

3 OF 3
JOB NUMBER: 88-237

NOTES:

1. DESCRIPTION OF WORK:
WORK INCLUDED IN THIS CONTRACT SHALL CONSIST OF CONSTRUCTION OF THE SEDIMENTATION POND, FLOW RESTRICTOR WEIRS, & EROSION CONTROL FACILITIES.
2. PROVIDE & MAINTAIN TEMPORARY SEDIMENT COLLECTION & CONTROL FACILITIES TO INSURE SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THESE FACILITIES MUST BE IN OPERATION PRIOR TO CLEARING/GRADING OPERATIONS & MUST BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE & THE POTENTIAL FOR EROSION HAS PASSED.
3. THE PLAN SHOWN HEREIN IS A SUGGESTED METHOD OF EROSION CONTROL. THE CONTRACTOR IS OBLIGATED TO USE ALL METHODS AVAILABLE TO INSURE THAT SILT LADEN WATER IS ISOLATED FROM THE NATURAL DRAINAGE COURSE.
4. NO EQUIPMENT SHALL ENTER WETLAND AREA.
5. CLEARLY DELINEATE CLEARING LIMIT WITH RED FLAGGING PRIOR TO CLEARING.
6. ALL EDGES OF POND SHALL BE FIELD CHECKED & VERIFIED TO AVOID ALL TREES & SHRUBS IN NORTHERN BORDERS.



Project Management
Civil Engineering
Land Surveying
Land Use Planning
Environmental Analysis

TRIAD ASSOCIATES

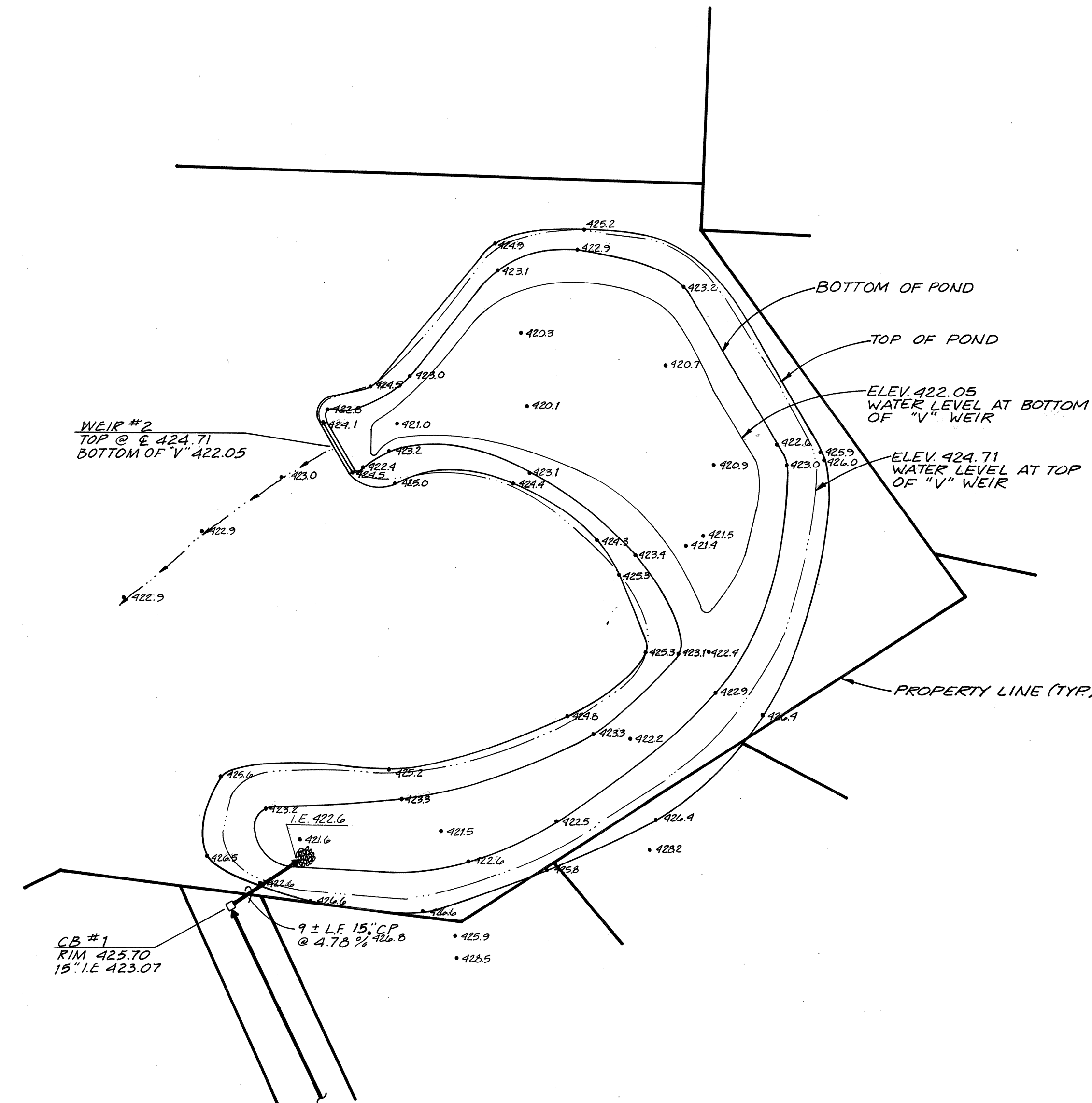
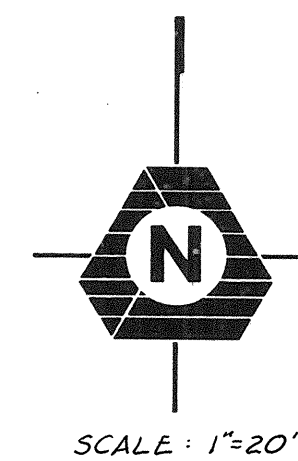
11415 NE 128th Street • Kirkland, WA 98034 • (206) 821-8448 • (206) 821-3481 FAX

AS-BUILT

SEDIMENTATION POND & EROSION CONTROL FOR BASIN 'A'

HAMLIN PARK

CITY OF MILL CREEK, WASHINGTON



AREA @ ELEV. 424.71 = 8,581 FT²
AREA @ ELEV. 422.05 = 2,765 FT²

$$\text{VOLUME PROVIDED} = \left[\frac{2,765 + 8,581}{2} \right] (424.71 - 422.05) \\ = (5,673) (2.66) = 15,090 \text{ FT}^3$$

AS-BUILT

SEDIMENTATION POND - BASIN "A"

CITY OF MILL CREEK,

WASHINGTON

DESIGNED A. ANDERSON
DRAWN MEM/CMC
CHECKED _____
DATE _____
LARRY CALVIN
PROJECT MANAGER

SHEET
3A OF **3**

JOB NUMBER
88-237

Project Management
Civil Engineering
Land Surveying
Land Use Planning
Environmental Analysis
• (206) 821-3481 FAX



TRIAD ASSOCIATES

NO.	DATE	REVISIONS	BY	CHK