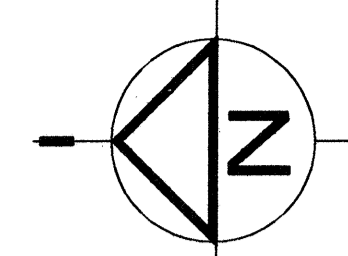
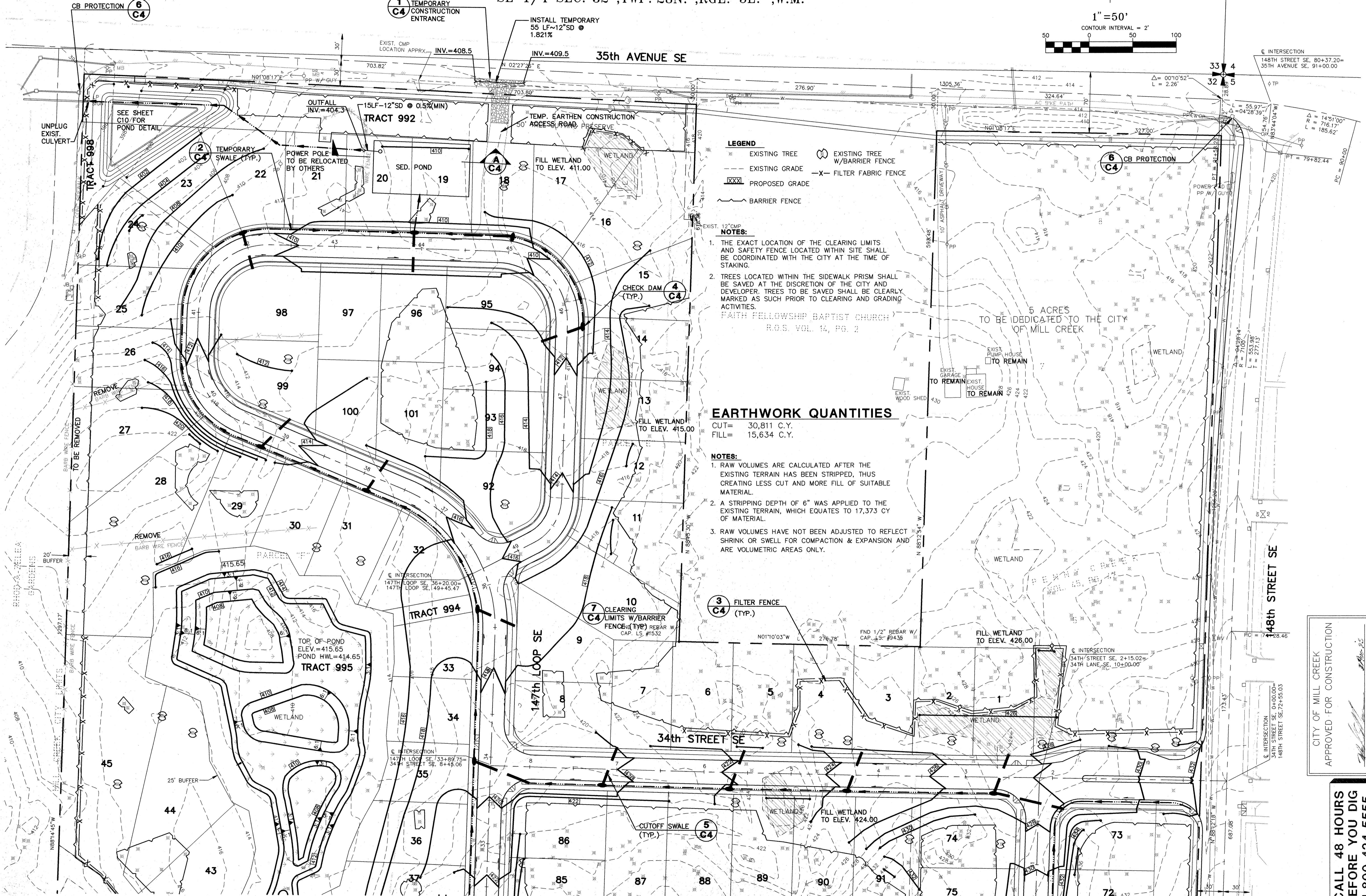


SE 1/4 SEC. 32 ,TWP. 28N. ,RGE. 5E. ,W.M.



1" = 50'
CONTOUR INTERVAL = 2'
0 50 100



- LEGEND**
- EXISTING TREE
 - EXISTING GRADE
 - XXX PROPOSED GRADE
 - BARRIER FENCE
 - ⊗ EXISTING TREE W/BARRIER FENCE
 - X- FILTER FABRIC FENCE

- NOTES:**
- THE EXACT LOCATION OF THE CLEARING LIMITS AND SAFETY FENCE LOCATED WITHIN SITE SHALL BE COORDINATED WITH THE CITY AT THE TIME OF STAKING.
 - TREES LOCATED WITHIN THE SIDEWALK PRISM SHALL BE SAVED AT THE DISCRETION OF THE CITY AND DEVELOPER. TREES TO BE SAVED SHALL BE CLEARLY MARKED AS SUCH PRIOR TO CLEARING AND GRADING ACTIVITIES.
- FAITH FELLOWSHIP BAPTIST CHURCH
R.O.S. VOL. 14, PG. 2

EARTHWORK QUANTITIES

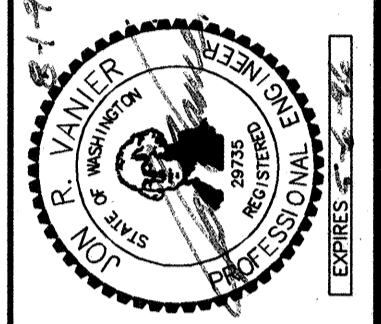
CUT= 30,811 C.Y.
FILL= 15,634 C.Y.

- NOTES:**
- RAW VOLUMES ARE CALCULATED AFTER THE EXISTING TERRAIN HAS BEEN STRIPPED, THUS CREATING LESS CUT AND MORE FILL OF SUITABLE MATERIAL.
 - A STRIPPING DEPTH OF 6" WAS APPLIED TO THE EXISTING TERRAIN, WHICH EQUATES TO 17,373 CY OF MATERIAL.
 - RAW VOLUMES HAVE NOT BEEN ADJUSTED TO REFLECT SHRINK OR SWELL FOR COMPACTION & EXPANSION AND ARE VOLUMETRIC AREAS ONLY.

REVISION

NO.	DATE	BY
1.	06-15-95	RCA
2.	07-18-95	MCH

REV. PER CITY COMMENTS
REV. PER CITY COMMENTS



GROUP FOUR, Inc.
16030 JUANITA-WOODVILLE WAY NE
BOTHELL, WASHINGTON 98011
(206) 775-4581 • (206) 362-4244 • FAX (206) 362-3819
SURVEYING ENGINEERING PLANNING MANAGEMENT

DRAWN BY: RCA, MCH CHECKED BY: IRV APPROVED BY: DATE: DATE:

STAFFORD HOMES
APPLETREE PARK
CLEARING, GRADING, T.E.S.C.
AND TREE RETENTION PLAN

CITY OF MILL CREEK WASHINGTON

AUG - 1 1995

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555

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

- 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.
- 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 WITH COORDINATION WITH THE CITY AND DEVELOPER, AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR/ENGINEER'S NAME AND TELEPHONE NUMBER ARE: GROUP FOUR, INC 775-4581.
- PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE CITY OF MILL CREEK AT (206) 337-1116 TO SCHEDULE A PRECONSTRUCTION CONFERENCE. DUE TO FIELD CHANGES (REVISIONS), ENGINEERED AS-BUILTS SHALL BE REQUIRED PRIOR TO SITE APPROVAL.
- 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.
- ALL SITE WORK MUST COMPLY TO CHAPTER 70 OF THE UNIFORM BUILDING CODE, (1988 EDITION). ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 1991 STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA).
- ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS.
- 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 CITY SPECIFICATIONS AND TO 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, MULCHING AND FILTER FENCE. HYDROSEED PREFERRED.
- ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARD.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS DURING THE CONSTRUCTION PERIOD. THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 15 DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G. SEEDING, MULCHING, NETTING EROSION BLANKETS, ETC.).
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A STORM EVENT.

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 8" QUARRY SPALLS.
- 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 ONTO 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.
- ALL CONSTRUCTION ACCESS SHALL BE ONTO 35th AVENUE ONLY. NO ACCESS ONTO OTHER ROAD SHALL BE ALLOWED.

STANDPIPE AND SEDIMENT POND MAINTENANCE

- THE EMBANKMENT OF THE BASIN SHOULD BE CHECKED REGULARLY TO INSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE EMERGENCY SPILLWAY SHOULD BE CHECKED REGULARLY TO INSURE THAT ITS LINING IS WELL ESTABLISHED AND EROSION-RESISTANT. THE SILTATION BASIN SHOULD BE CHECKED AFTER EACH RUNOFF-PRODUCING RAINFALL FOR SEDIMENT CLEAN OUT. WHEN THE SEDIMENT REACHES THE CLEAN OUT LEVEL, IT SHALL BE REMOVED AND PROPERLY DISPOSED OF.

SILTATION BARRIERS

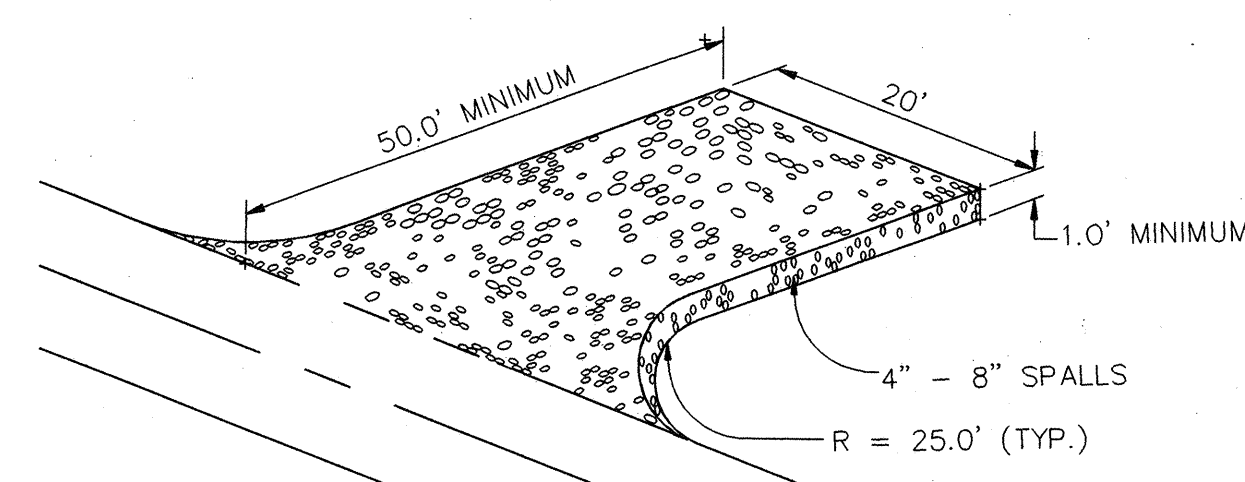
- SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY. 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 SEEDDED.

HYDROSEEDING GENERAL NOTES

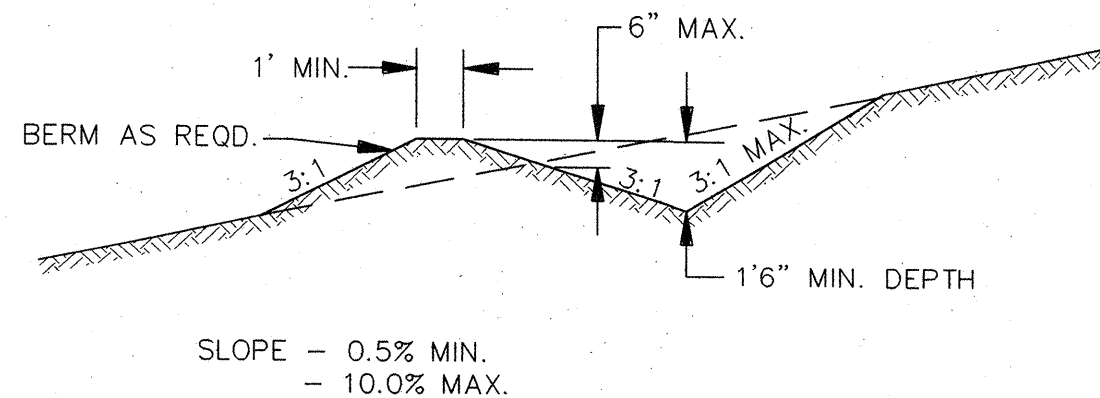
- CONSTRUCTION ACCEPTANCE: WILL BE SUBJECT TO A WELL ESTABLISHED GROUND COVER THAT FULFILLS THE REQUIREMENT OF THE APPROVED CONSTRUCTION PLANS.
- ALL DISTURBED AREAS SUCH AS RETENTION FACILITIES, ROADWAY BACK-SLOPES, ETC. SHALL BE SEEDDED WITH A PERENNIAL GROUND COVER GRASS TO MINIMIZE EROSION. GRASS SEEDING WILL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY THE CITY OF MILL CREEK.
- PREPARATION OF SURFACE: ALL AREAS TO BE SEEDDED SHALL BE CULTIVATED TO THE SATISFACTION OF THE CITY INSPECTOR. THIS MAY BE ACCOMPLISHED BY DISCING, RAKING, HARROWING OR OTHER ACCEPTABLE MEANS.
- IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT AND LEGUME) WILL BE APPLIED. (MINIMUM OF 80 POUNDS 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 POUNDS PER ACRE OF 10-20-20 (10 POUNDS PER 1100 SQUARE FEET) OR EQUIVALENT.

CONSTRUCTION SEQUENCE

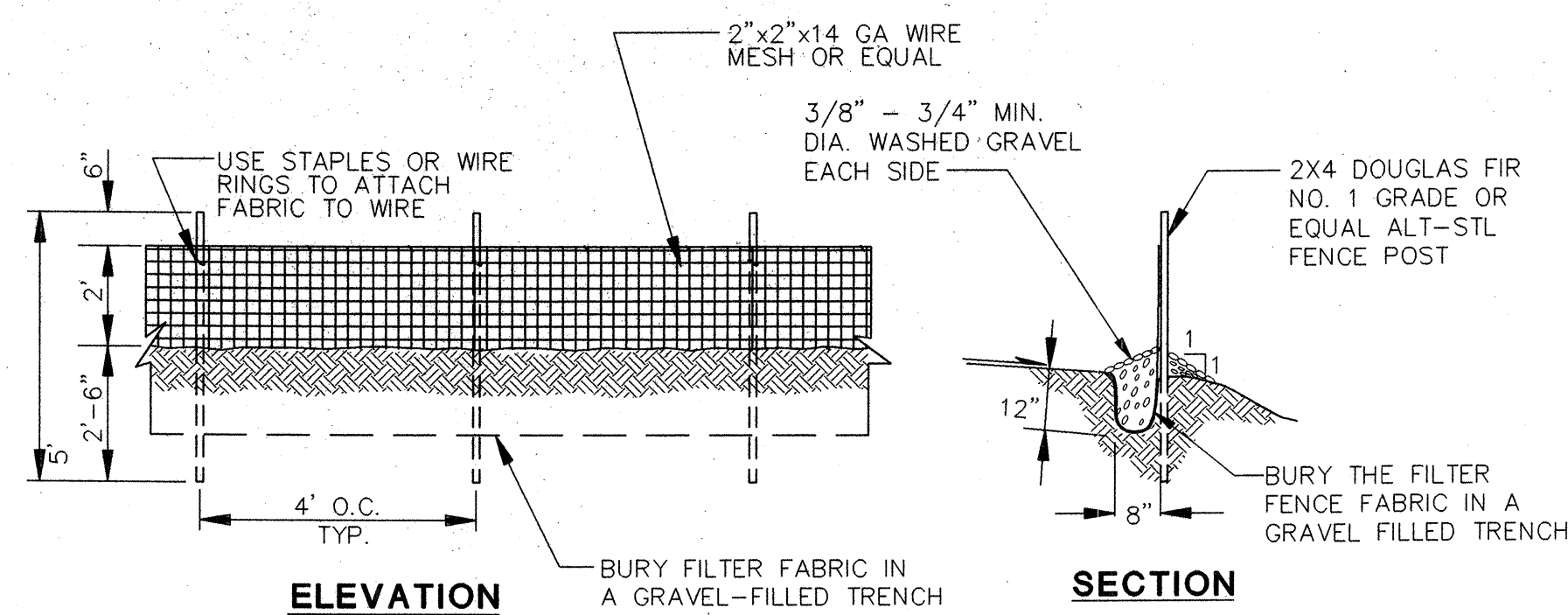
- ATTEND PRE-CONSTRUCTION MEETING WITH THE CITY. THIS MEETING SHALL INCLUDE THE EXCAVATION CONTRACTOR.
- FLAG CLEARING LIMITS, CALL CITY FOR INSPECTION & APPROVAL. THE CITY AND DEVELOPER SHALL WORK TOGETHER TO SET THE EXACT LOCATION OF THE CLEARING LIMITS (SEE NOTES 1 AND 2 ON SHEET C2 AND C3).
- PROVIDE CB PROTECTION. SEE DETAIL 7, THIS SHEET.
- INSTALL FILTER FENCE AND BARRIER FENCE.
- INSTALL ROCKED CONSTRUCTION ENTRANCE.
- CLEAR FOR AND INSTALL SEDIMENT PONDS AND APPURTENANCES.
- CLEAR AND GRUB SITE TO LIMITS OF CLEARING.
- ROUGH GRADE SITE.
- INSTALL INTERCEPTOR DITCHES/CHECK DAMS/DISPERSAL TRENCHES.
- INSTALL UTILITIES (POWER, STORM, SANITARY, ETC.)
- FINAL GRADE/PAVE, MAINTAIN CB PROTECTION.
- FLUSH STORM DRAINAGE SYSTEM (I.E., CLEAN OUT & TEST SYSTEM).
- REMOVE ALL TESC FACILITIES ONLY WHEN ENTIRE SITE IS STABILIZED.



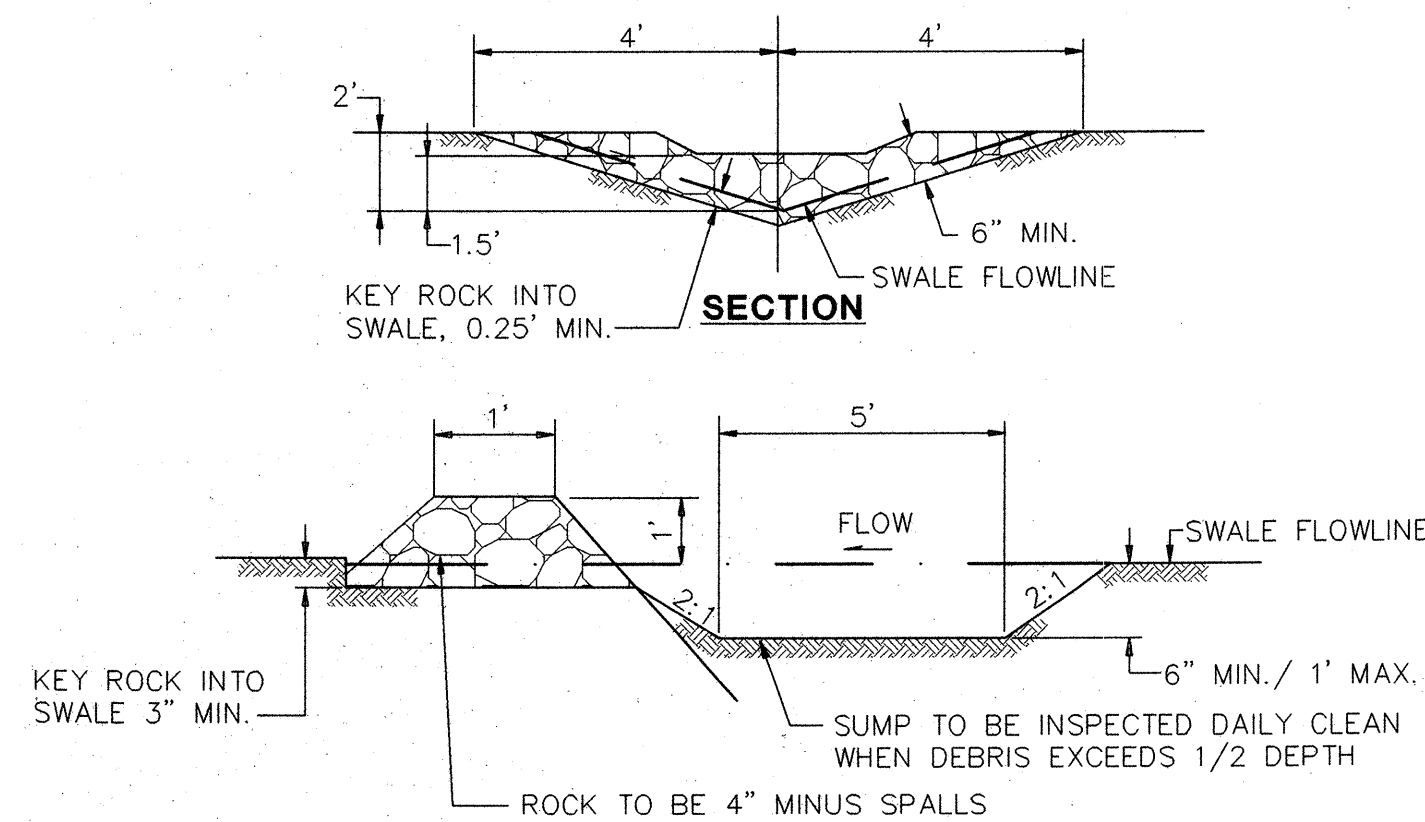
1 CONSTRUCTION ENTRANCE
NO SCALE



2 TEMPORARY SWALE SECTION
NO SCALE

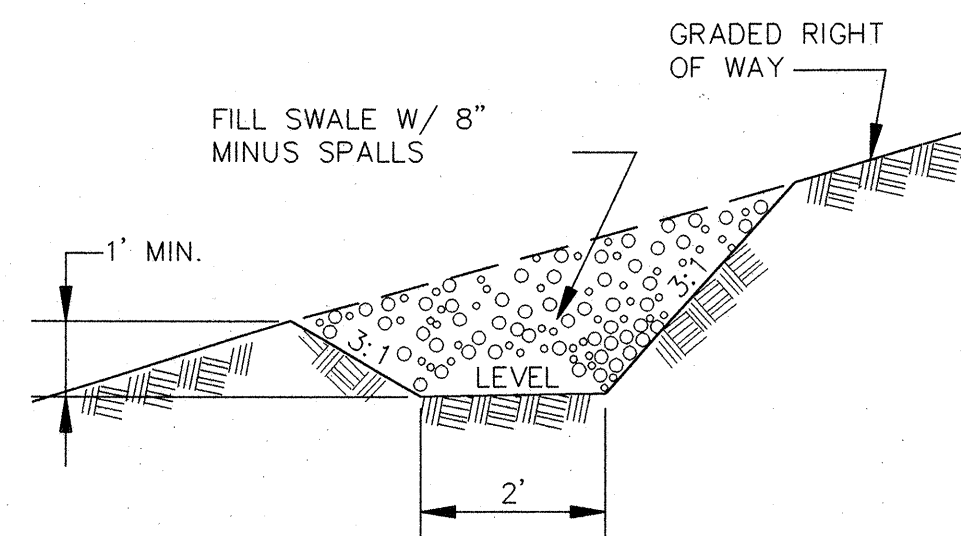


3 FILTER FENCE DETAIL
NO SCALE

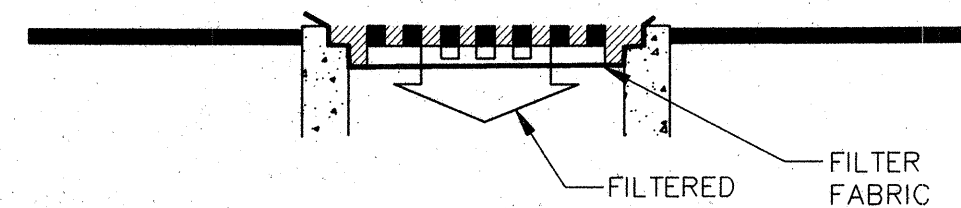


DITCH SLOPE	CHECK DAM SPACING
0 - 5%	150'
5% - 10%	100'
> 10%	50'

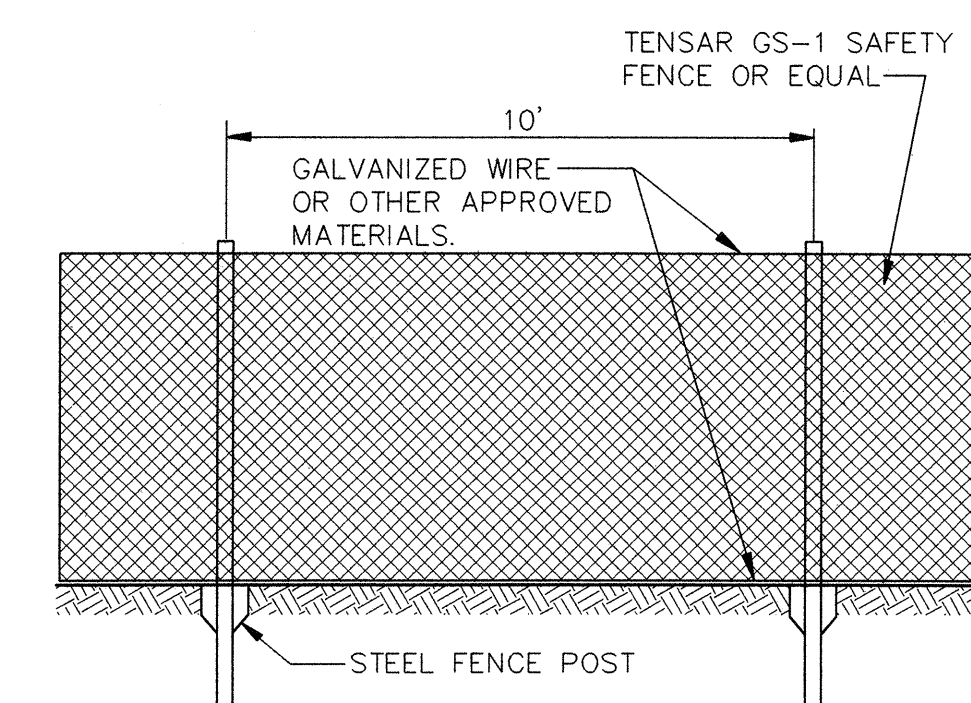
4 TYPICAL CHECK DAM DETAIL
NO SCALE



5 CUTOFF SWALE SECTION
NO SCALE

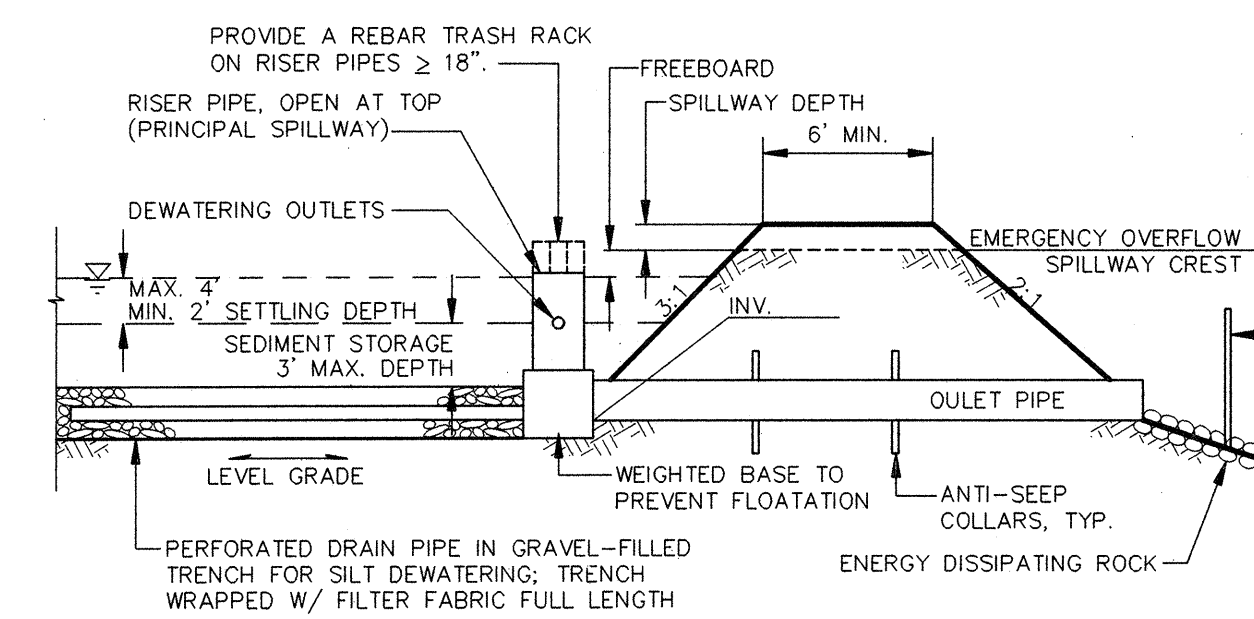


6 CB PROTECTION DETAIL
NO SCALE



- NOTES:
- CLIP FENCE TO GALVANIZED WIRE.
 - WIRE FENCE TO STEEL FENCE POST.

7 TEMPORARY BARRIER FENCE DETAIL
NO SCALE



EAST SEDIMENT POND DATA TABLE	
TOP OF POND= 409.00	BOTTOM WIDTH= 3.0'
H.W.L.= 408.00	BOTTOM LENGTH= 27.0'
POND BOTTOM= 404.50	TOP WIDTH= 30.0'
SIDE SLOPES= 3:1	TOP LENGTH= 54.0'
TOTAL DEPTH= 4.5'	
SETTLING DEPTH= 2'	
SED. STOR. DEPTH= 1.5'	
FREEBOARD= 1.0'	

EAST SEDIMENT VOLUME REQUIRED = 336 CF
EAST SEDIMENT VOLUME PROVIDED = 365 CF

WEST SEDIMENT POND DATA TABLE	
TOP OF POND= 414.00	BOTTOM WIDTH= 0'
H.W.L.= 413.00	BOTTOM LENGTH= 18.0'
POND BOTTOM= 409.50	TOP WIDTH= 27.0'
SIDE SLOPES= 3:1	TOP LENGTH= 45.0'
TOTAL DEPTH= 4.5'	
SETTLING DEPTH= 2.0'	
SED. STOR. DEPTH= 1.5'	
FREEBOARD= 1.0'	

WEST SEDIMENT VOLUME REQUIRED = 21CF
WEST SEDIMENT VOLUME PROVIDED = 162 CF

A SEDIMENT POND DETAIL
NO SCALE

CALL 48 HOURS
BEFORE YOU DIG
1-800-424-5555

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION

CITY ENGINEER *[Signature]* 3 Aug 95 DATE

BY: RCA MCH
DATE: 06-15-95
REVISION: 07-18-95
REV. PER CITY COMMENTS
REV. PER CITY COMMENTS
NO. 1.
2.

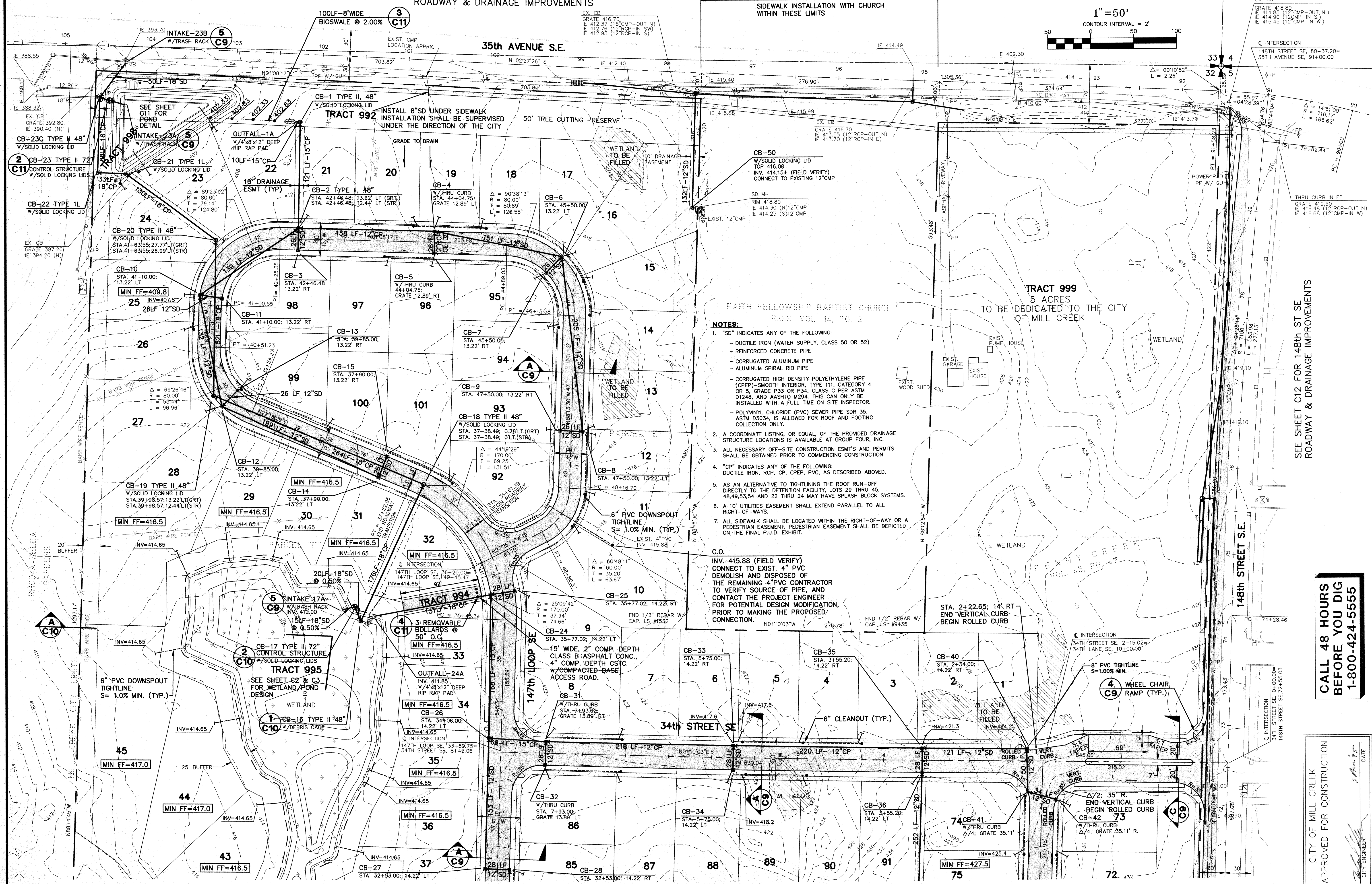
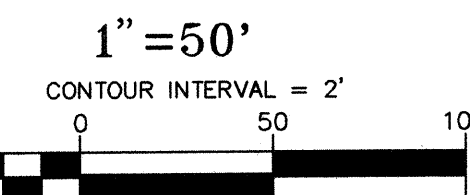
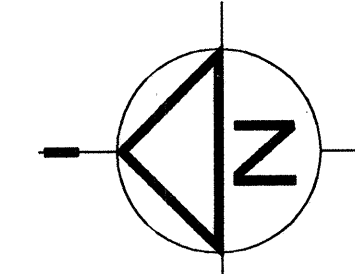
GROUP FOUR, Inc.
16030 JUANITA-WOODVILLE WAY NE
BOTHELL, WASHINGTON 98011
(206) 775-4581 * (206) 362-4244 * FAX (206) 362-3819
SURVEYING ENGINEERING PLANNING MANAGEMENT
DRAWN BY: GST CHECKED BY: APPROVED BY:
DATE: 4/95 DATE: DATE:

STAFFORD HOMES
APPLETREE PARK
CLEARING, GRADING AND T.E.S.C.
NOTES AND DETAILS
CITY OF MILL CREEK
WASHINGTON
AUG - 1 1995
SHT C4 OF 13
JOB NO: 95-8013

SE 1/4 SEC. 32 ,TWP. 28N. ,RGE. 5E. ,W.M.

SEE SHEET C13 FOR 35th AVE SE
ROADWAY & DRAINAGE IMPROVEMENTS

CITY AND DEVELOPER TO COORDINATE
SIDEWALK INSTALLATION WITH CHURCH
WITHIN THESE LIMITS



NOTES:

- "SD" INDICATES ANY OF THE FOLLOWING:
- DUCTILE IRON (WATER SUPPLY, CLASS 50 OR 52)
- REINFORCED CONCRETE PIPE
- CORRUGATED ALUMINUM PIPE
- ALUMINUM SPIRAL RIB PIPE
- CORRUGATED HIGH DENSITY POLYETHYLENE PIPE (CPEP)-SMOOTH INTERIOR, TYPE 111, CATEGORY 4 OR 5, GRADE P33 OR P34, CLASS C PER ASTM D1248, AND AASHTO M294. THIS CAN ONLY BE INSTALLED WITH A FULL TIME ON SITE INSPECTOR.
- POLYVINYL CHLORIDE (PVC) SEWER PIPE SDR 35, ASTM D3034. IS ALLOWED FOR ROOF AND FOOTING COLLECTION ONLY.
- A COORDINATE LISTING, OR EQUAL, OF THE PROVIDED DRAINAGE STRUCTURE LOCATIONS IS AVAILABLE AT GROUP FOUR, INC.
- ALL NECESSARY OFF-SITE CONSTRUCTION ESM'S AND PERMITS SHALL BE OBTAINED PRIOR TO COMMENCING CONSTRUCTION.
- "CP" INDICATES ANY OF THE FOLLOWING:
DUCTILE IRON, RCP, CP, CPEP, PVC, AS DESCRIBED ABOVE.
- AS AN ALTERNATIVE TO TIGHTENING THE ROOF RUN-OFF DIRECTLY TO THE DETENTION FACILITY, LOTS 29 THRU 45, 48,49,53,54 AND 22 THRU 24 MAY HAVE SPLASH BLOCK SYSTEMS.
- A 10' UTILITIES EASEMENT SHALL EXTEND PARALLEL TO ALL RIGHT-OF-WAYS.
- ALL SIDEWALK SHALL BE LOCATED WITHIN THE RIGHT-OF-WAY OR A PEDESTRIAN EASEMENT. PEDESTRIAN EASEMENT SHALL BE DEPICTED ON THE FINAL P.U.D. EXHIBIT.

C.O.

INV. 415.88 (FIELD VERIFY)
CONNECT TO EXIST. 4" PVC
DEMOLISH AND DISPOSED OF
THE REMAINING 4" PVC CONTRACTOR
TO VERIFY SOURCE OF PIPE, AND
CONTACT THE PROJECT ENGINEER
FOR POTENTIAL DESIGN MODIFICATION,
PRIOR TO MAKING THE PROPOSED
CONNECTION.

SEE SHEET C12 FOR 148th ST SE
ROADWAY & DRAINAGE IMPROVEMENTS

**CALL 48 HOURS
BEFORE YOU DIG
1-800-424-5555**

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
DATE: 8/1/95
CITY ENGINEER

DATE: 08-16-95
REVISED: 07-19-95
REVISIONS PER CITY COMMENTS

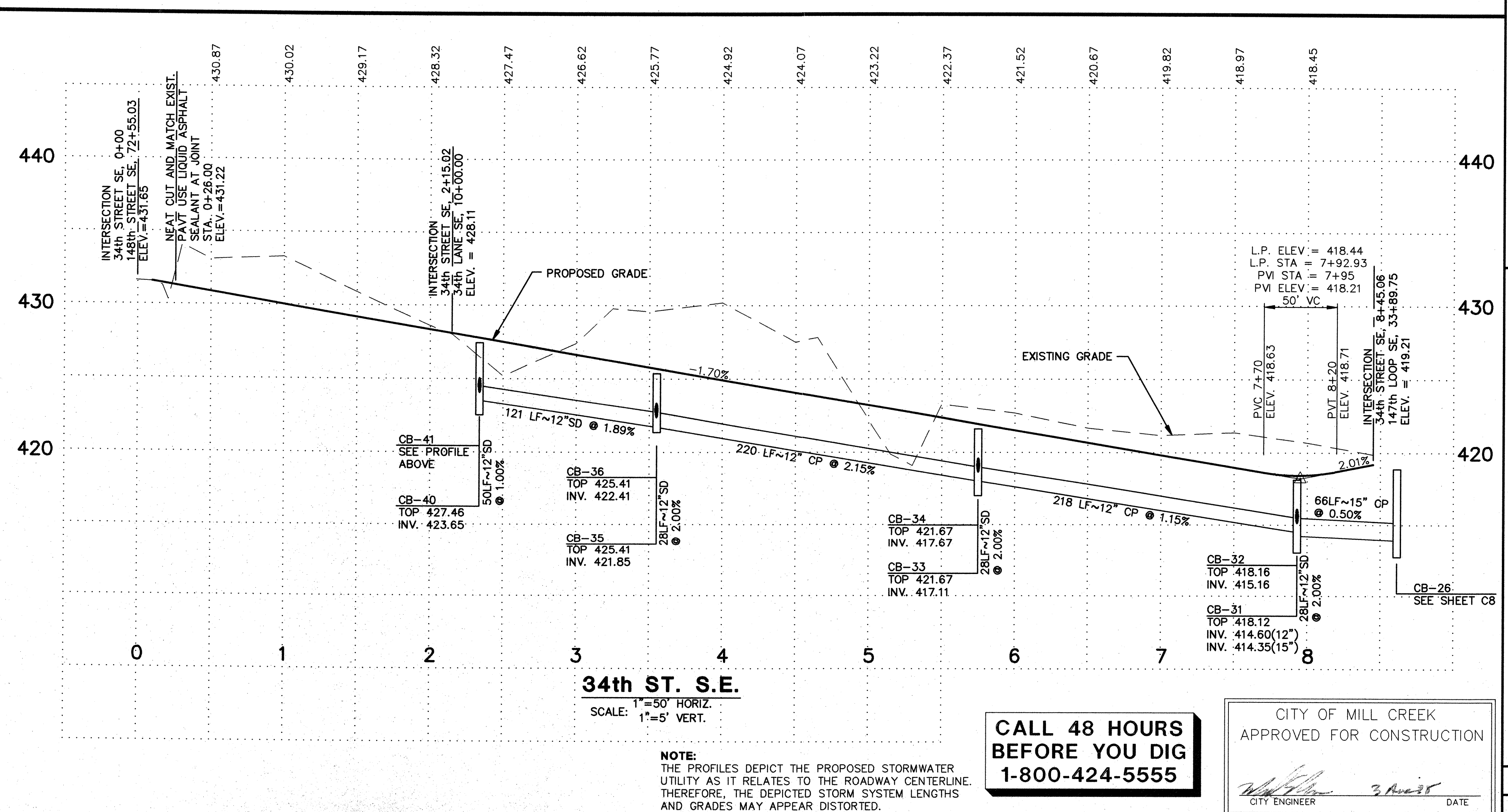
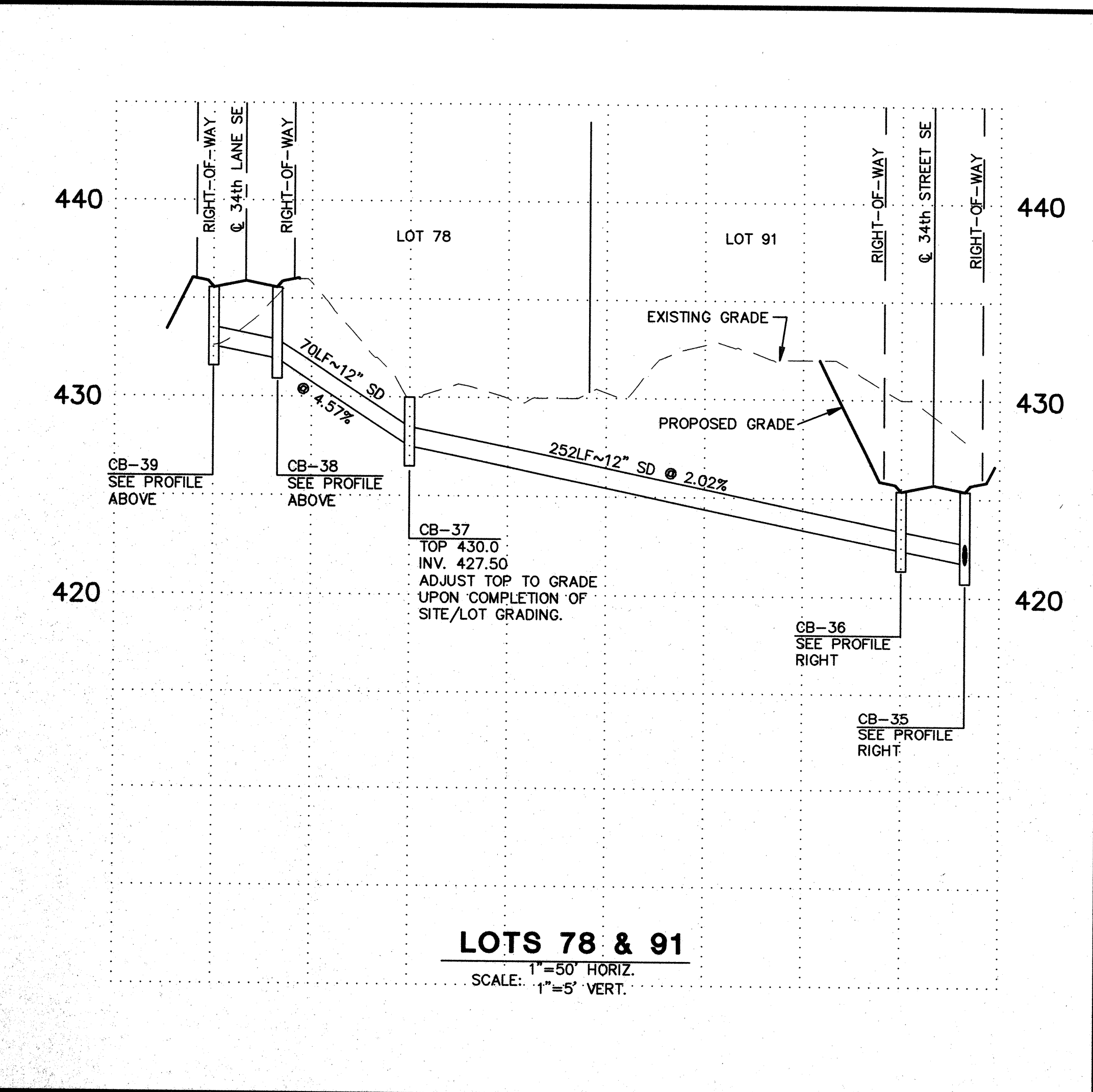
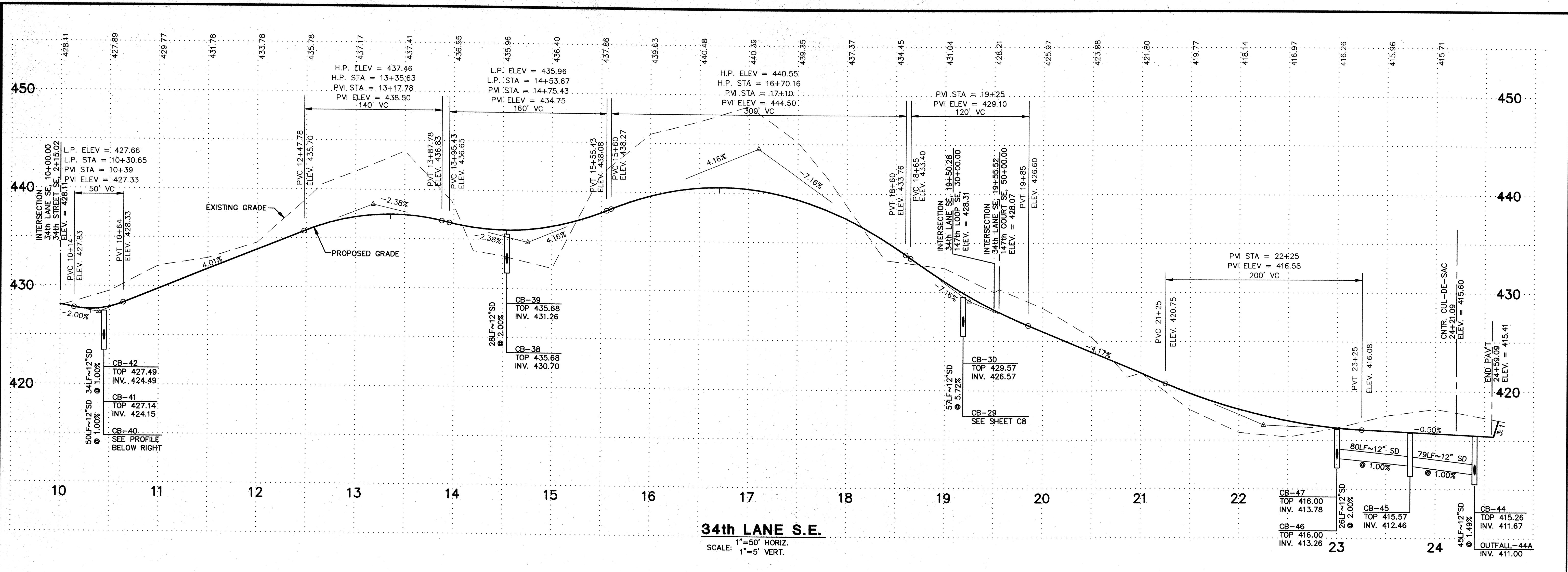
GROUP FOUR, Inc.
16030 JUANITA-WOODVILLE WAY NE
BOHELL, WASHINGTON 98011
(206) 775-4591 • (206) 362-4244 • FAX (206) 362-3819

SUBMITTING ENGINEER
PLANNING MANAGEMENT
DRAWN BY: RCA/MCH CHECKED BY: JRV APPROVED BY: DATE: DATE:

**STAFFORD HOMES
APPLETREE PARK
ROADWAY AND DRAINAGE PLAN**

AUG 1 1995
SHT C5 OF 13
JOB NO: 95-8013

CITY OF MILL CREEK
WASHINGTON



CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
[Signature]
CITY ENGINEER
DATE: 3/20/25

STAFFORD HOMES
APPLETREE PARK
ROADWAY AND DRAINAGE PROFILES
CITY OF MILL CREEK
WASHINGTON

GROUP FOUR, Inc.
16030 JUANITA-WOODINVILLE WAY NE
BOTHELL, WASHINGTON 98011
(206) 775-4581 • (206) 362-4244 • FAX (206) 362-3819
SURVEYING ENGINEERING PLANNING MANAGEMENT
DRAWN BY: RCA CHECKED BY: JVR APPROVED BY: [Signature]
DATE: [Blank]

REVISION NO. 1. REVISION PER CITY REVIEW COMMENTS 6-15-95 MCH
2. REVISION PER CITY REVIEW COMMENTS 7-19-95 RCA

DATE: 6/1/95

EXP. 3-2-22

FILE NO. 95-8013-PROFILES-2
PROJECT: APPLE TREE PARK

SHT C7 OF 13
JOB NO: 95-8013
AUG - 1 1995

BRIGHTON HDEV-078

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF MILL CREEK STANDARDS, AND AMERICAN SPECIFICATIONS AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 1994 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
2. ALL WORK WITHIN THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE CITY.
3. A COPY OF THESE APPROVED PLANS MUST BE ON THE SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. BACKFILL TRENCH 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 SEC. 2-03.3(14)(C) COMPACTING EARTH EMBARKMENTS METHOD B.
5. PRIOR TO BEGINNING ROAD CONSTRUCTION, THE APPLICANT, HIS ENGINEER AND ROAD CONTRACTOR SHALL MEET WITH THE DEPARTMENT OF PUBLIC WORKS FOR A PRE-CONSTRUCTION MEETING.
6. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. UTILITIES SHOWN HERE ARE FOR THE PURPOSES OF ASSISTING THE CONTRACTOR IN LOCATING SAID UTILITIES. CONTRACTOR SHALL CONTACT UNDERGROUND UTILITIES LOCATION CENTER (1-800-424-5555) 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION AND OBTAIN ON-SITE UTILITIES LOCATIONS.
7. THE CONTRACTOR SHALL COMPLY WITH ALL OTHER NECESSARY PERMITS AND REQUIREMENTS BY THE CITY OF MILL CREEK GOVERNING AUTHORITY/AGENCY.
8. SPECIAL STRUCTURES (RISES, TRASH RACKS, ETC.) SHALL BE INSTALLED PER PLAN AND FOLLOWING MANUFACTURERS RECOMMENDATIONS.

STORM DRAINAGE NOTES

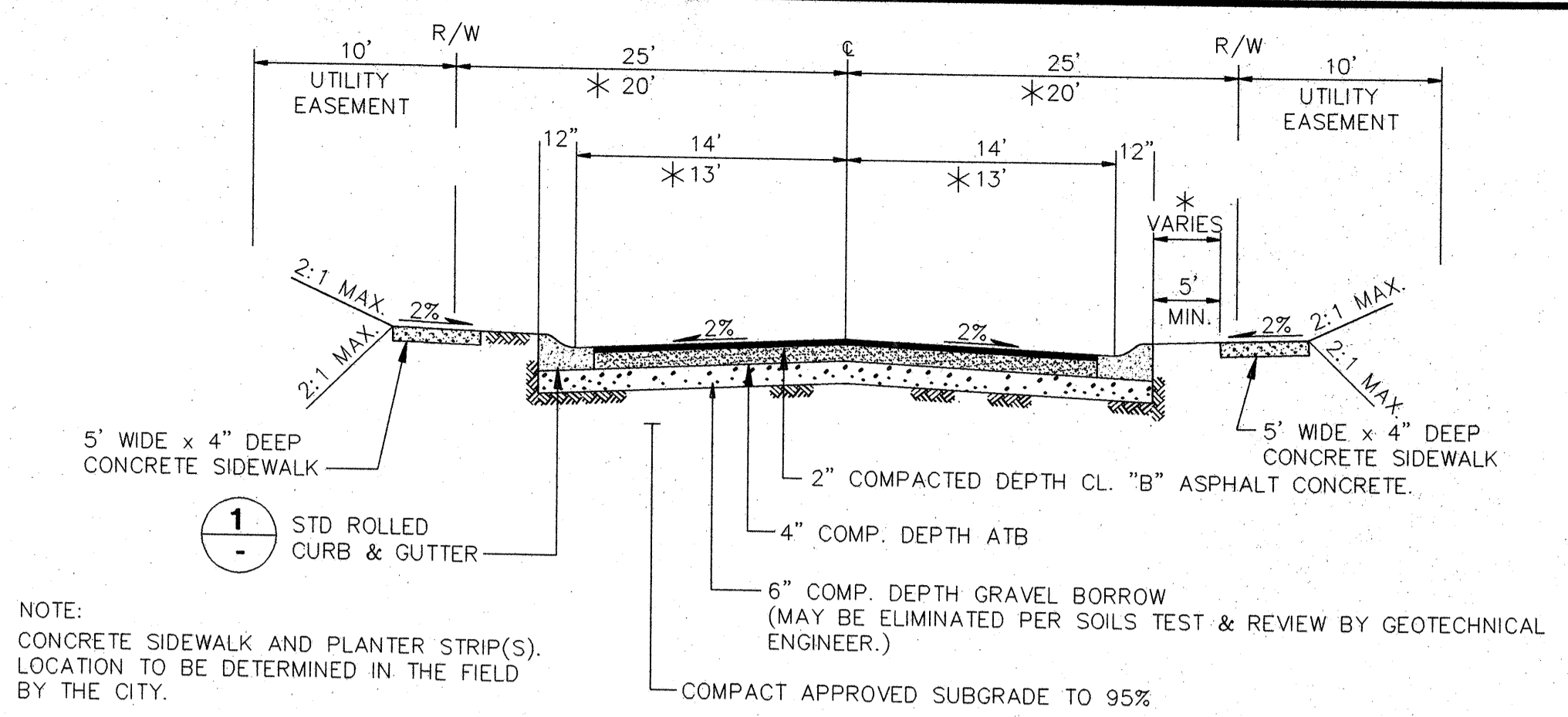
1. ALL PIPE SHALL BE PLACED ON STABLE EARTH, OR IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACK FILLED WITH A GRAVEL MATERIAL TO SUPPORT THE PIPE.
2. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE-ARCH IN LAYERS WITH A LOOSE AVERAGE DEPTH OF 6", MAXIMUM DEPTH 8", THOROUGHLY TAMING EACH LAYER. THESE COMPACTED LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF 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, INLETS, 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 SHALL BE A TYPE 2 CB (MANHOLE).
6. ALL TYPE 2 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.
8. 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. ALL SHALL BE VANE GRATE (EXCEPT WHERE STATED OTHERWISE ON THE PLAN), EXCEPT AT "THRU CURB" WHICH SHALL BE HERRINGBONE.
9. PRIOR TO SIDEWALK CONSTRUCTION, CONSTRUCT THE LOT DRAINAGE AND STUB OUTS AND/OR BEHIND SIDEWALK DRAINS TO DRAIN THE LOW POINT OF EACH LOT AS REQUIRED. STUB OUTS SHALL BE MARKED WITH STAKE 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 SEC. 9.05 AND AASHTO AND ASTM DESIGNATIONS AS NOTED BELOW.

- MATERIALS ALLOWED FOR STORM DRAIN LINES:
- PLAIN CONCRETE PIPE (CP)
 - REINFORCED CONCRETE PIPE (RCP)
 - ALUMINUM SPIRAL RIB PIPE (ASRP)

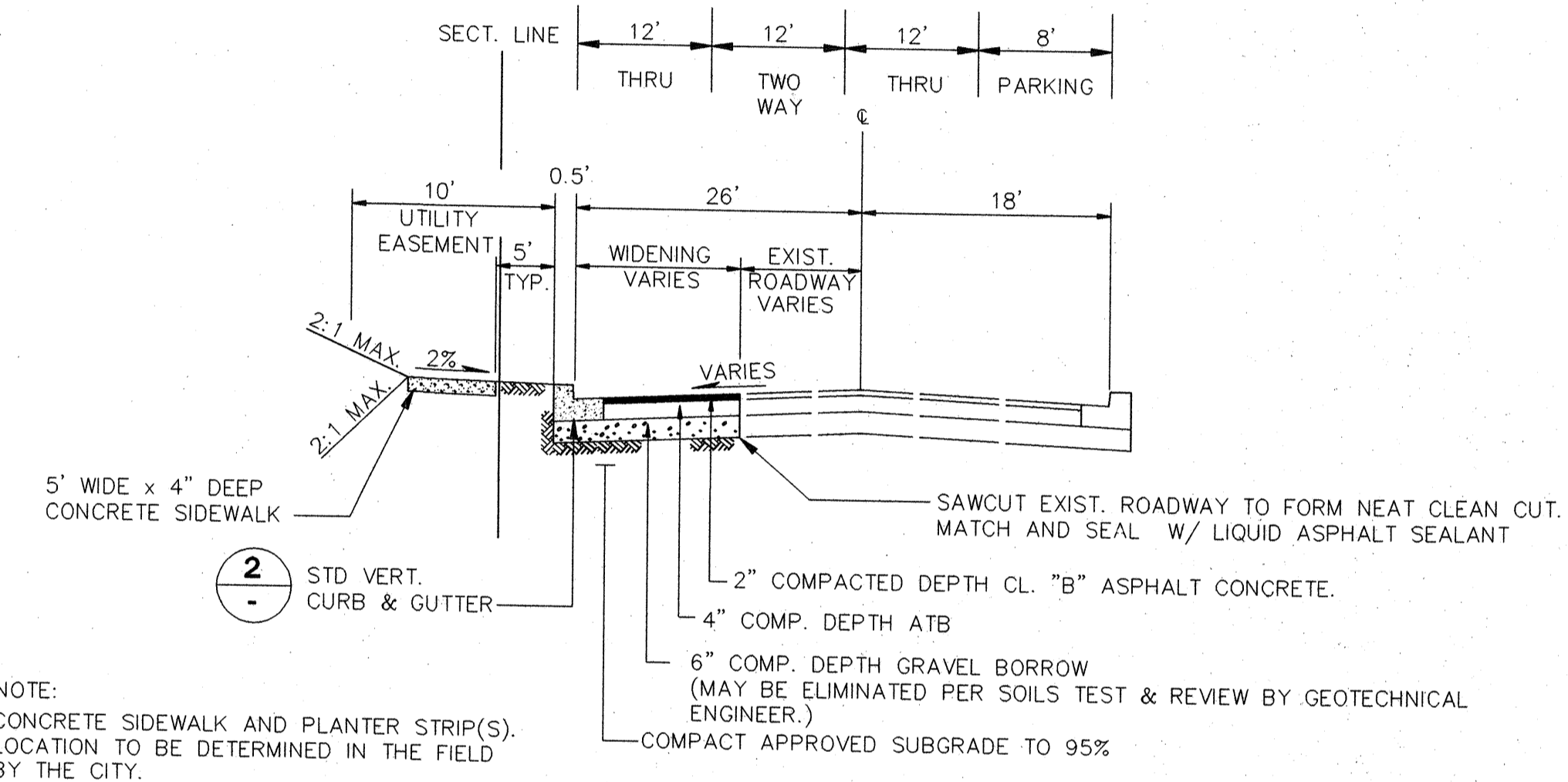
- ALLOWABLE JOINTS:
- CONCRETE PIPE SHALL BE RUBBER GASKETED
 - SPIRAL RIB PIPE SHALL BE "HAT BANDED" WITH NEOPRENE GASKETS

RIPRAP SPECIFICATIONS

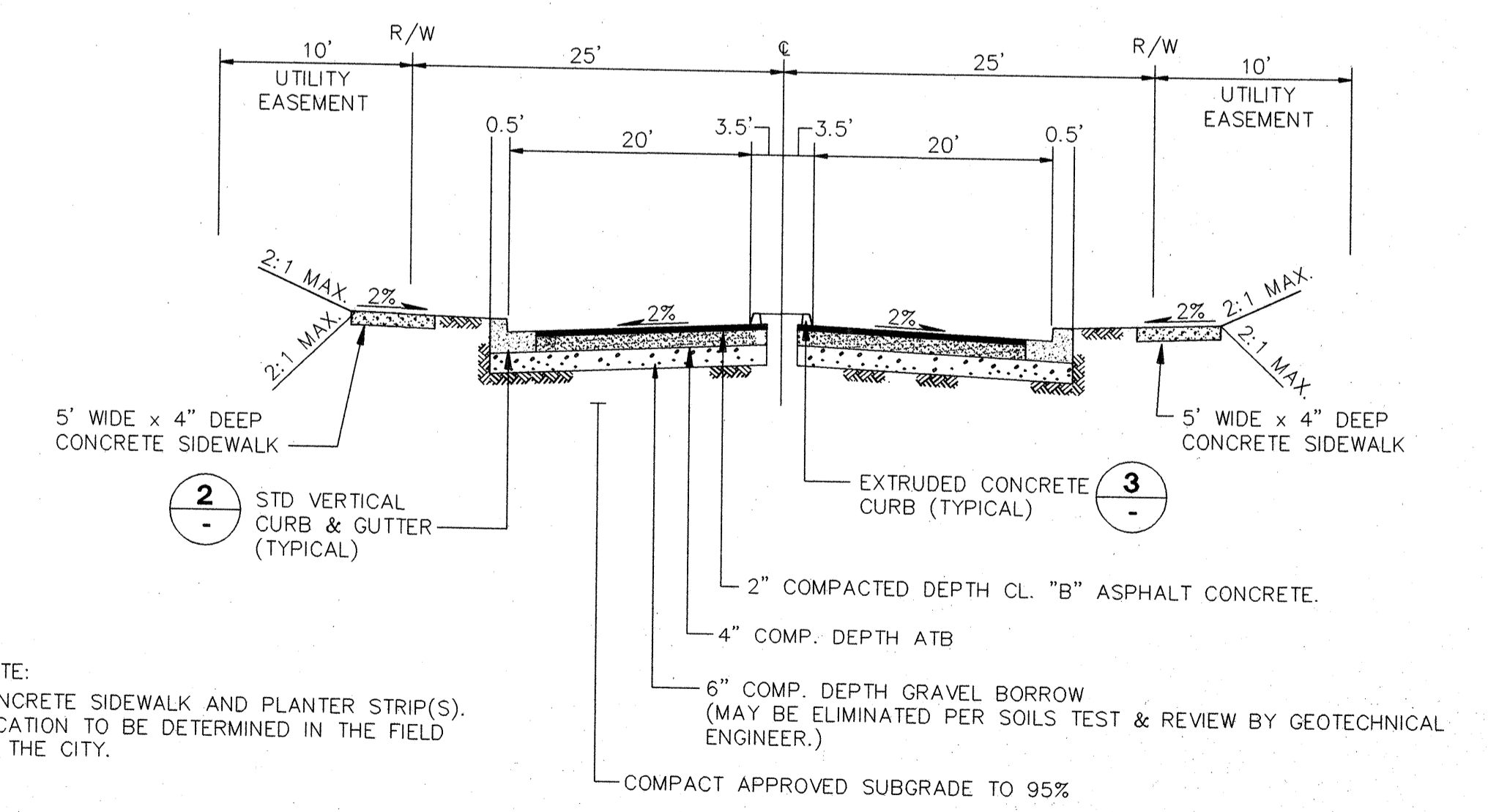
RIPRAP SHALL BE IN ACCORDANCE WITH SECTION 9-13.1 OF THE WSDOT/APWA STANDARD SPECIFICATIONS.
RIPRAP TO BE REASONABLY WELL GRADED WITH ROCK GRADATION AS FOLLOWS:
PASSING 8" SQUARE SIEVE 100% OR MAXIMUM STONE SIZE 8".
PASSING 6" SQUARE SIEVE 40-60% OR MEDIUM STONE SIZE 6".
PASSING 2" SQUARE SIEVE 0-10% OR MINIMUM STONE SIZE 2".



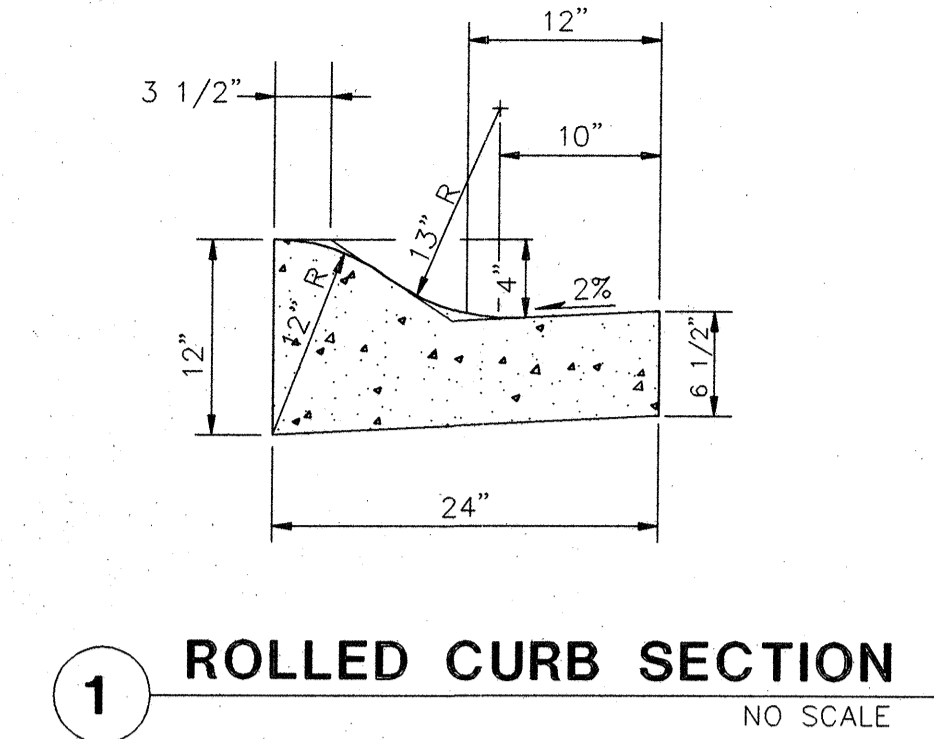
A TYPICAL ROADWAY SECTION
NO SCALE
50' R/W 147th LOOP SE (30+00 to 36+61.39) *40' R/W 147th LOOP SE (37+52.96 to 49+45.47)
34th ST. SE 34th LANE SE (10+00 to 19+50.28) 147th CT. SE 34th LANE SE (19+55.52 to 24+21.09)



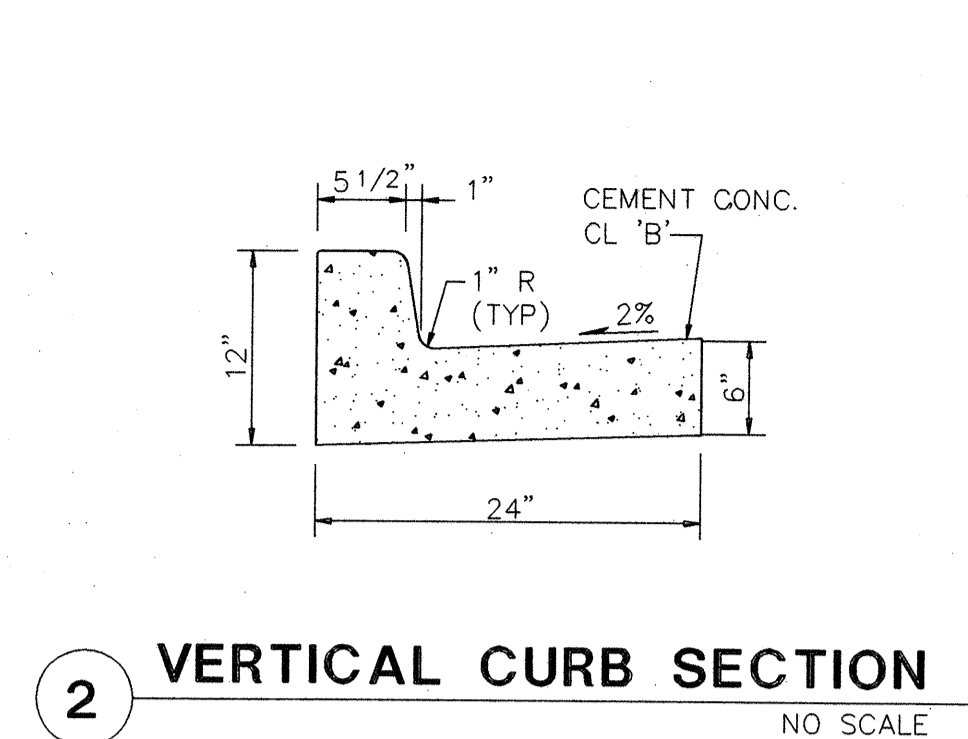
B TYPICAL ROADWAY SECTION
NO SCALE
148th STREET S.E.



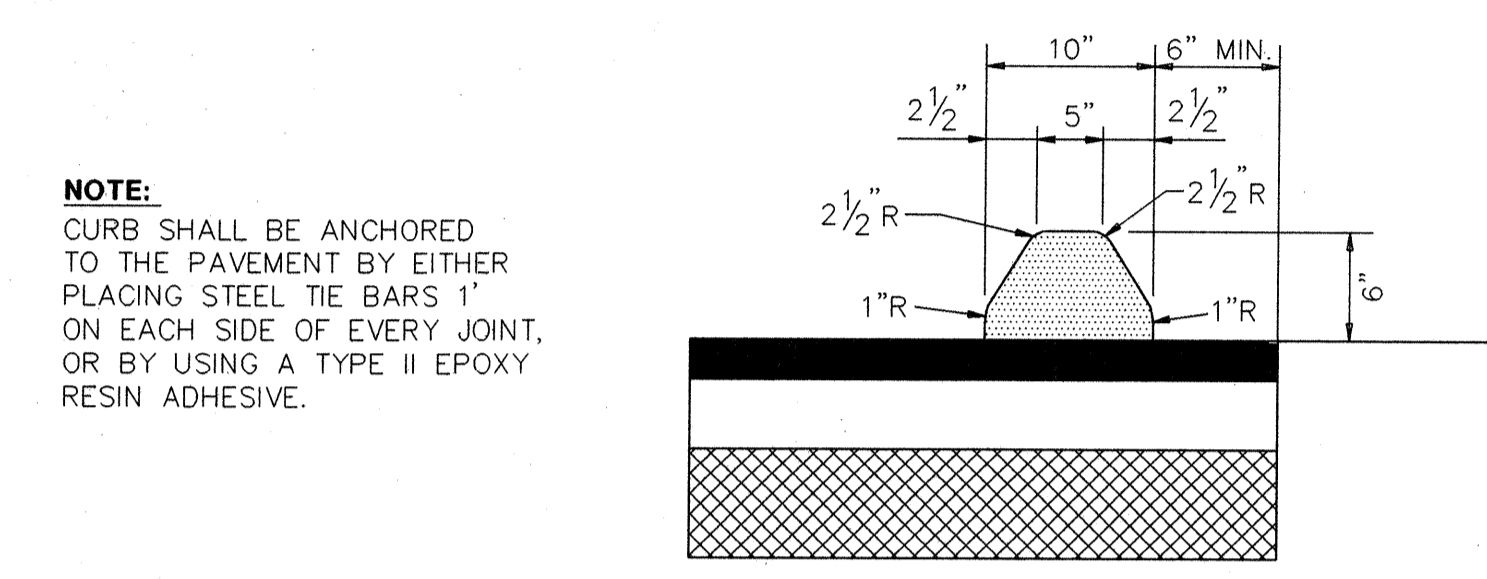
C TYPICAL ROADWAY SECTION
NO SCALE
34th STREET S.E. ENTRANCE



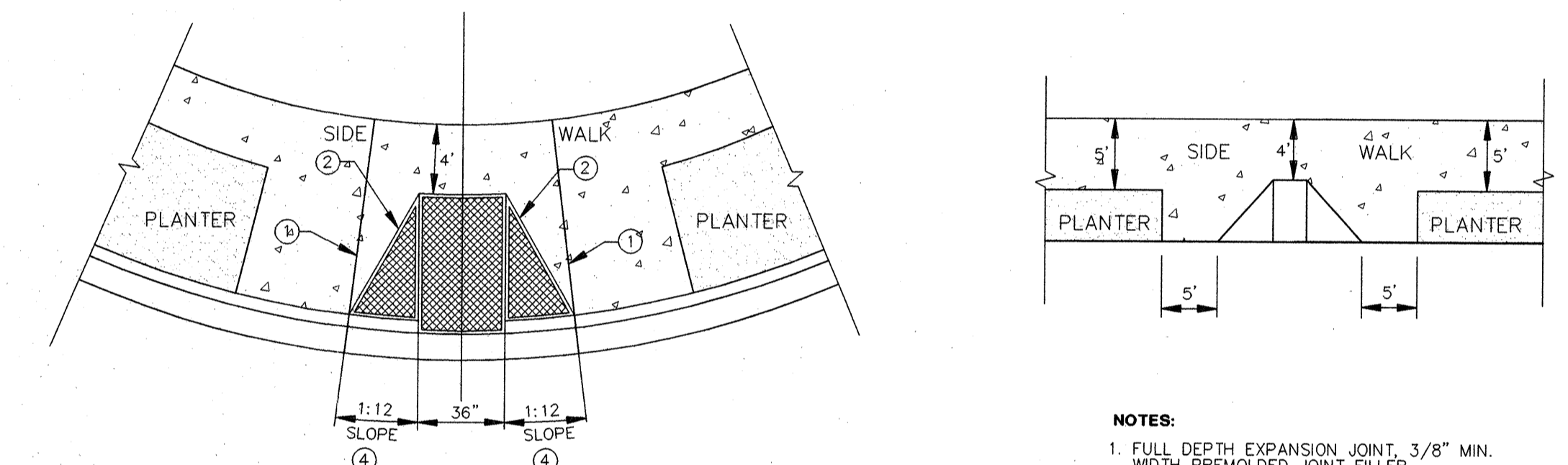
1 ROLLED CURB SECTION
NO SCALE



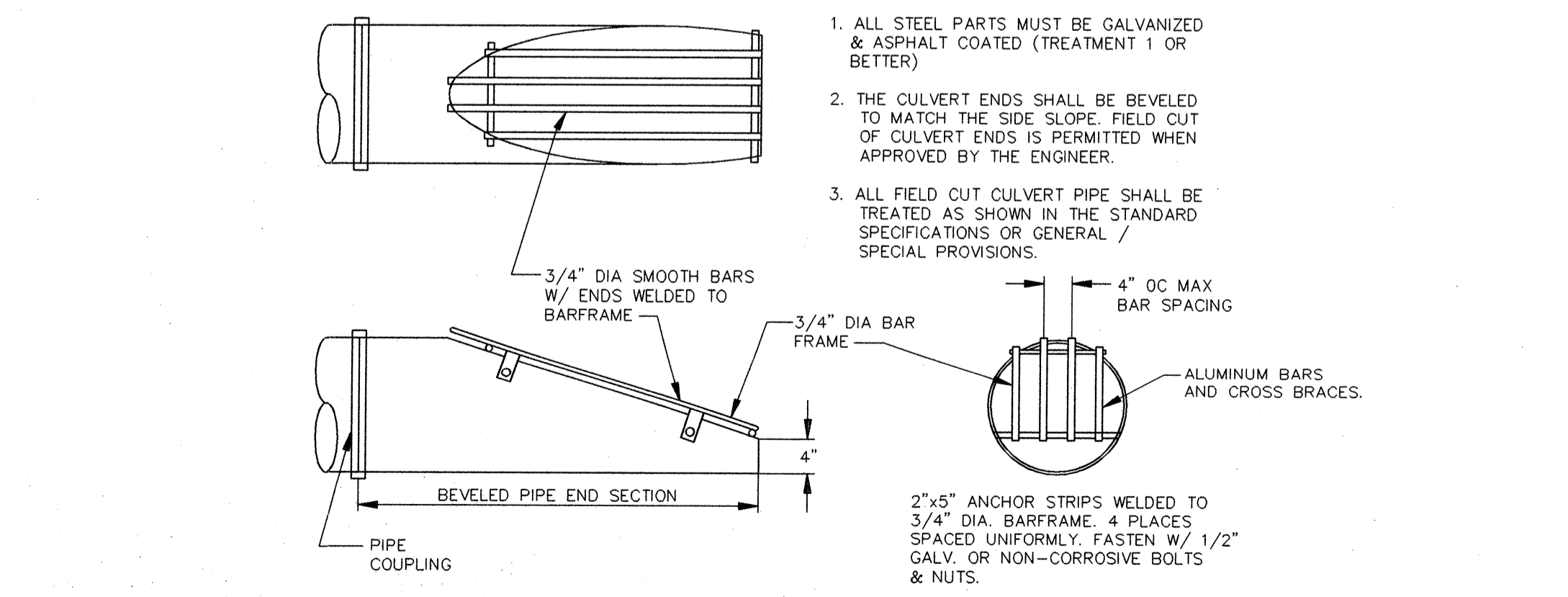
2 VERTICAL CURB SECTION
NO SCALE



3 EXTRUDED CONCRETE CURB DETAIL
NO SCALE



4 TYPE B CURB RAMP
NO SCALE



5 TRASH RACK DETAIL
NO SCALE

BY: MCH
DATE: 7/19/95
REVISIONS PER CITY REVIEW COMMENTS
REVISIONS PER CITY REVIEW COMMENTS

NO. 1
2

FILENAME: J:\95-4013\DWG\95-117.DWG
DATE: AUG 08 1995 12:11:05

GROUP FOUR, Inc.
16030 JUANITA-WOODINVILLE WAY NE
BOTHELL, WASHINGTON 98011
(206) 836-4244 * FAX (206) 862-3819
SURVEYING ENGINEERING PLANNING MANAGEMENT

DRAWN BY: MCH
CHECKED BY: MCH
DATE: 4/95

APPROVED BY: [Signature]
DATE:

STAFFORD HOMES
APPLETREE PARK
ROADWAY AND DRAINAGE
NOTES AND DETAILS

WASHINGTON
CITY OF MILL CREEK

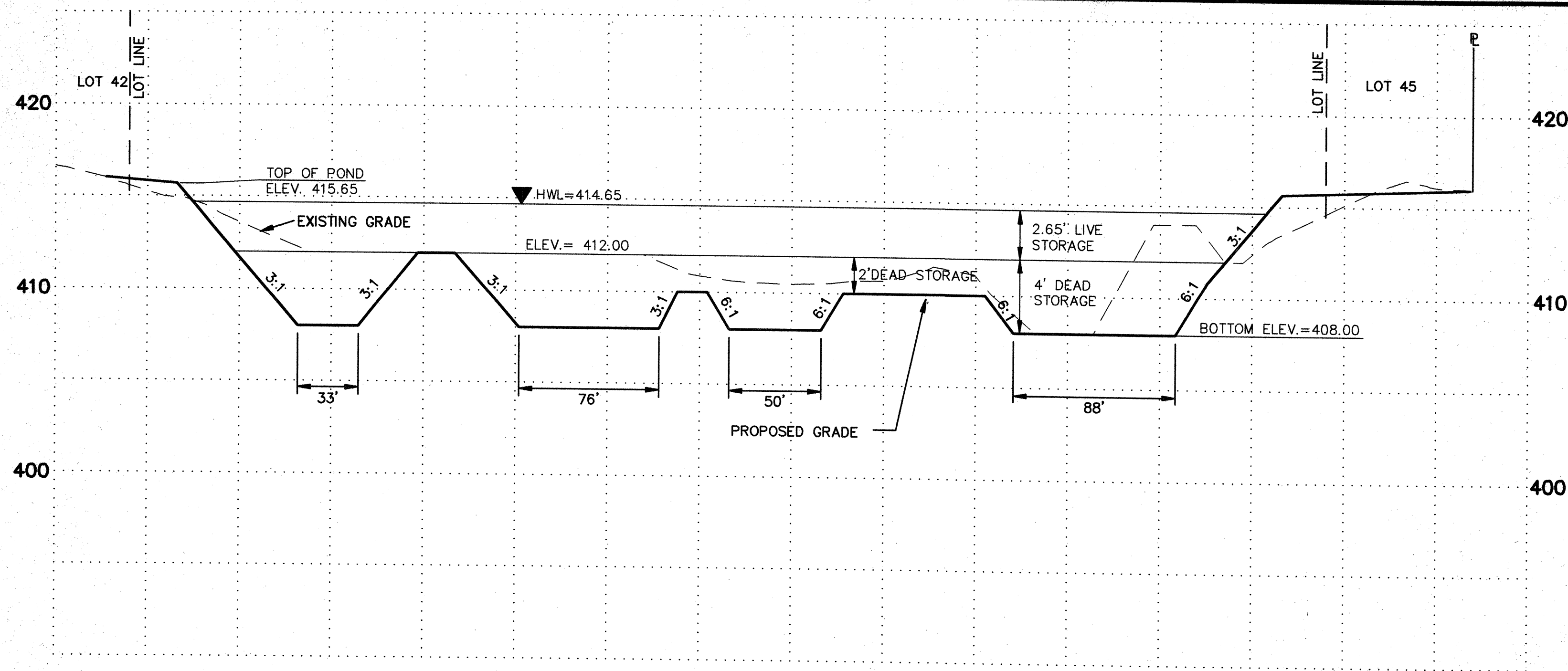
AUG - 7 1995

SHT C9 OF 13
JOB NO: 95-8013

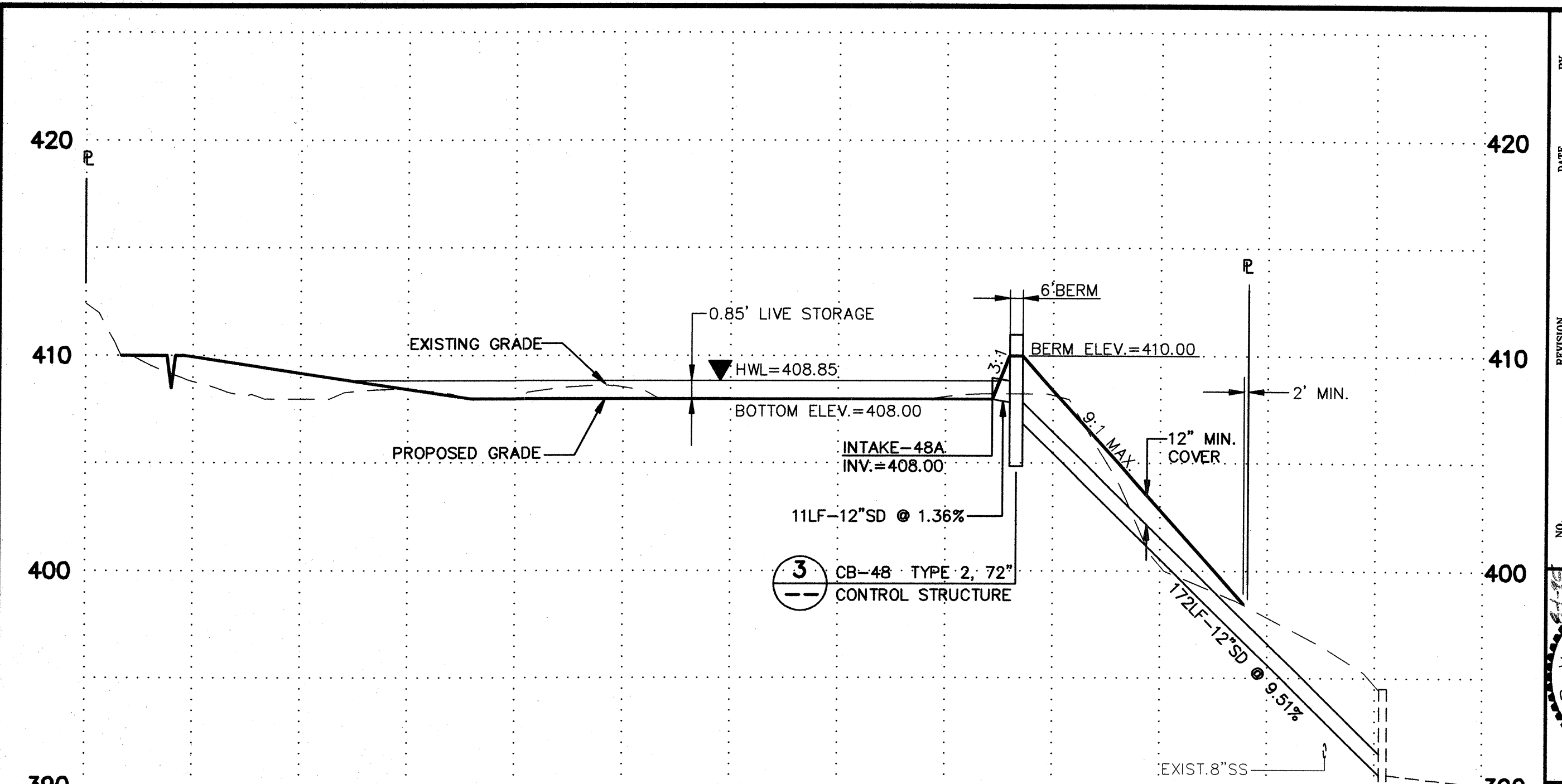
CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION

[Signature]
CITY ENGINEER
DATE: 3 Aug 95

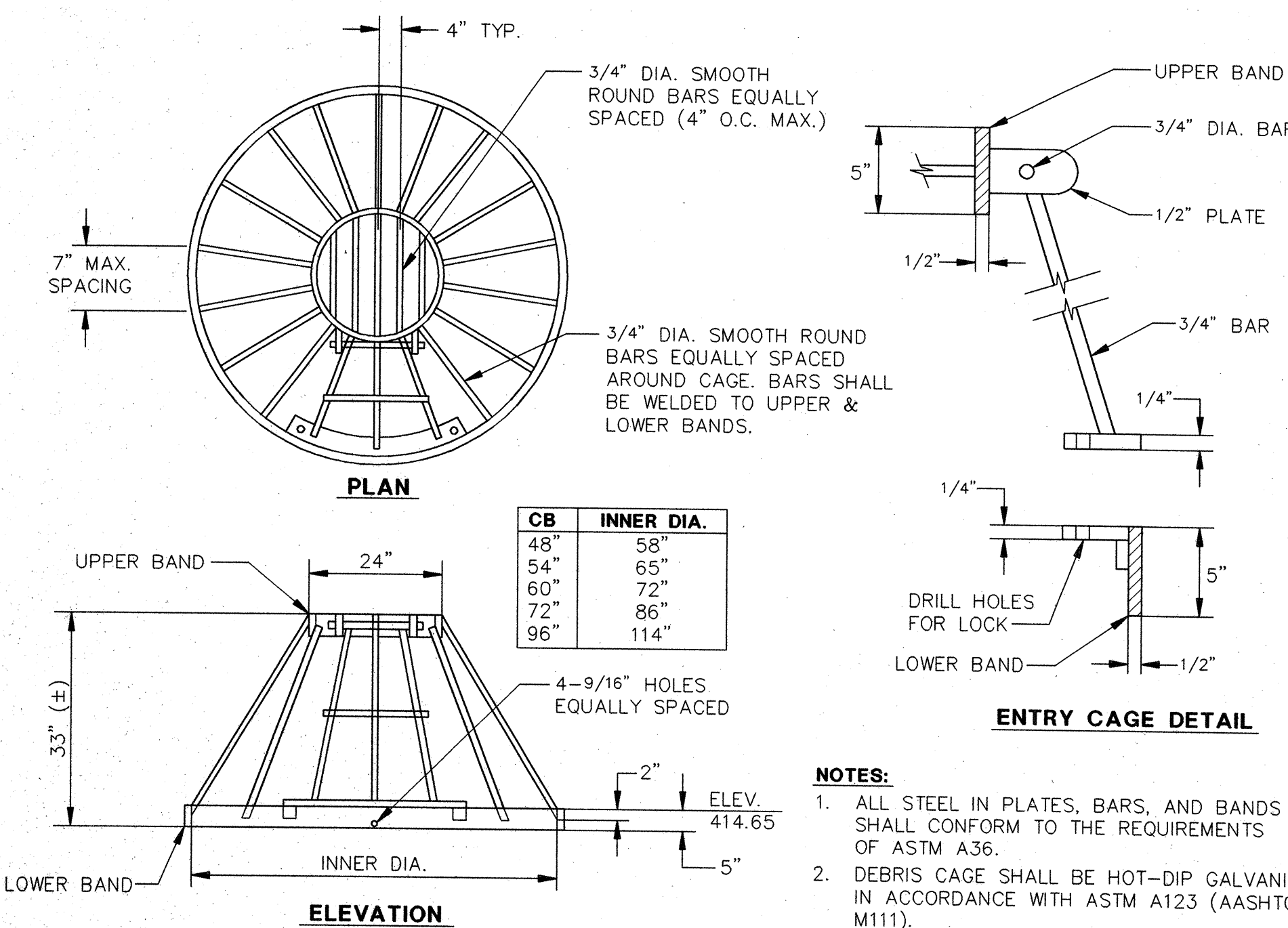


A DETENTION FACILITY TRACT 995
 SCALE: 1"=50'HORIZ.
 1"=5'VERT.



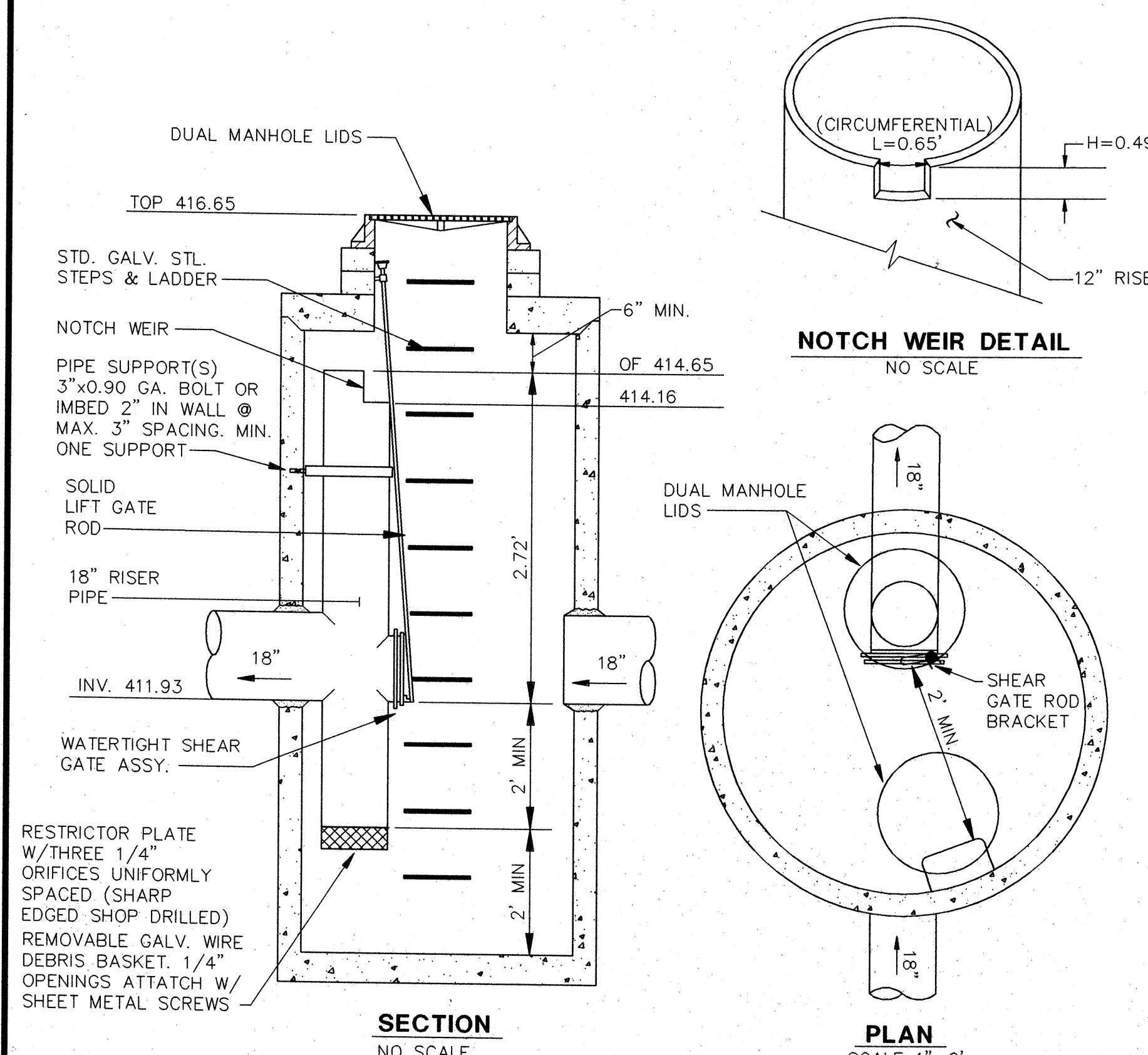
B DETENTION FACILITY TRACT 997
 SCALE: 1"=50'HORIZ.
 1"=5'VERT.

EXIST CB
 TOP=394.53
 INV.=389.49(N)
 INV.=389.58(S)
 INV.=390.50(E)
 CONNECT TO EXIST STRUCTURE



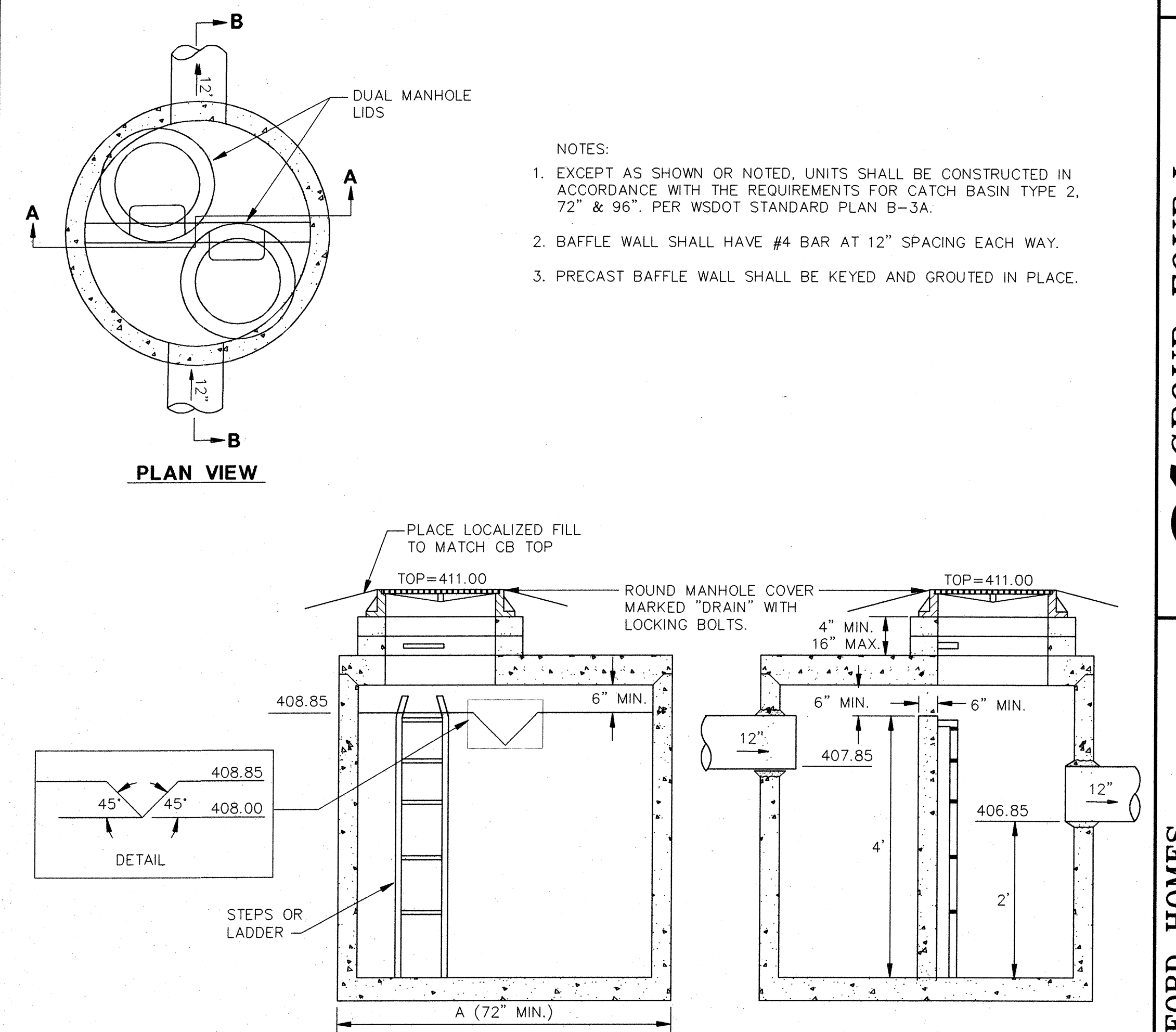
1 DEBRIS CAGE DETAIL
 NO SCALE

- NOTES:**
1. ALL STEEL IN PLATES, BARS, AND BANDS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
 2. DEBRIS CAGE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 (AASHTO M111).



2 CB 17 - CONTROL STRUCTURE
 TYPE 2 - 72"
 NO SCALE

- NOTES:**
1. METAL PARTS-CORROSION RESISTANT GALV. PARTS-ASPHALT TREATMENT 1.
 2. IF METAL OUTLET PIPE CONNECTS TO CONCRETE PIPE OUTLET TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4".
 3. CB-17 CONTROL STRUCTURE SHALL CONFORM TO THE W.D.O.T. STANDARD PLAN B-3A. EXCLUDING BAFFLE TYPE FLOW RESTRICTOR OIL SEPARATOR.
 4. LIDS SHALL BE LOCATED SUCH THAT ONE IS DIRECTLY OVER THE RISER (FOR MAINTENANCE PURPOSES) AND THE OTHER PROVIDES ACCESS INTO THE STRUCTURE.



3 CB 48 - CONTROL STRUCTURE
 TYPE 2 - 72"
 N.T.S.

- NOTES:**
1. EXCEPT AS SHOWN OR NOTED, UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS FOR CATCH BASIN TYPE 2, 72" & 96" PER WSDOT STANDARD PLAN B-3A.
 2. BAFFLE WALL SHALL HAVE #4 BAR AT 12" SPACING EACH WAY.
 3. PRECAST BAFFLE WALL SHALL BE KEYED AND GROUTED IN PLACE.

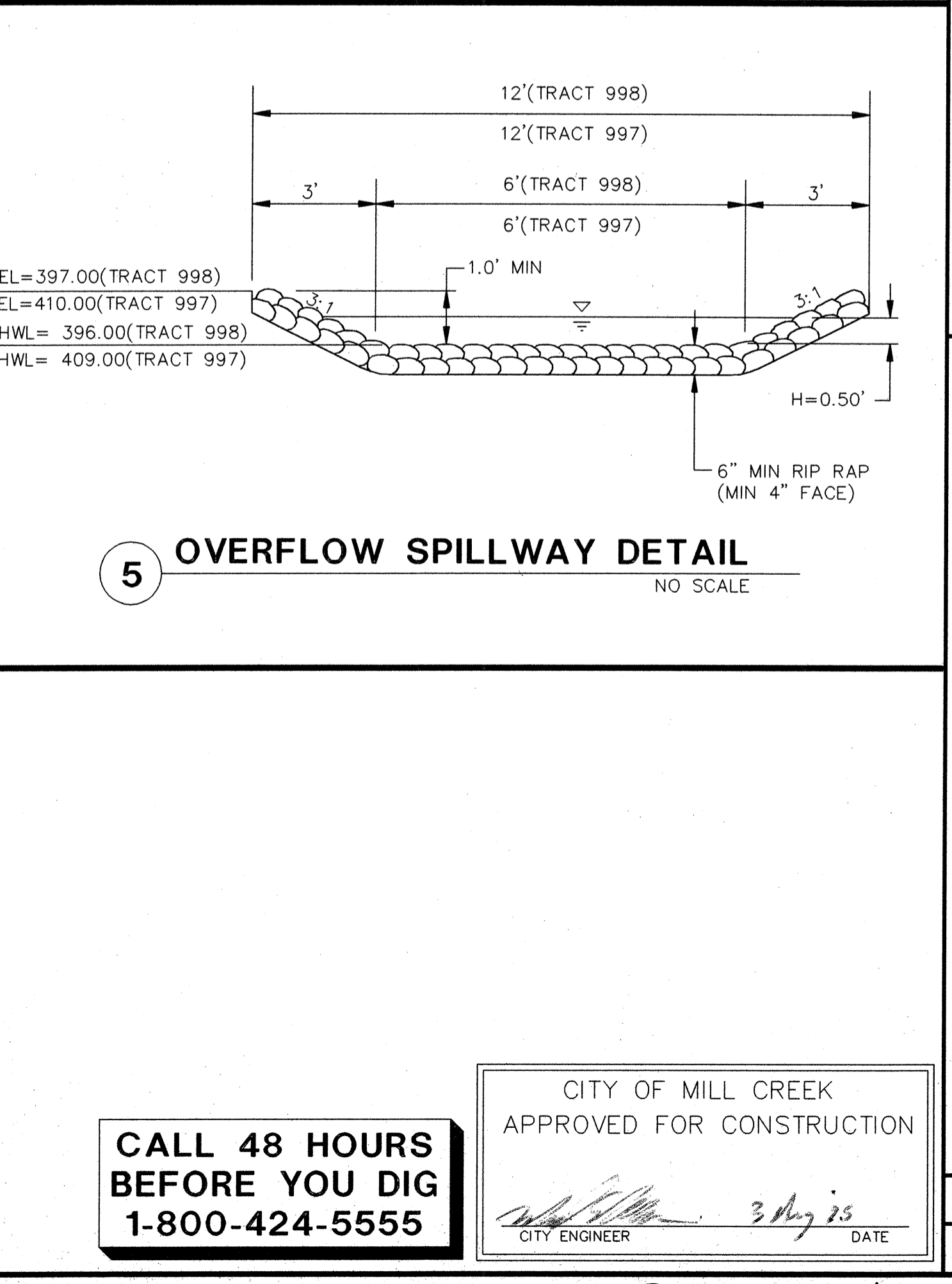
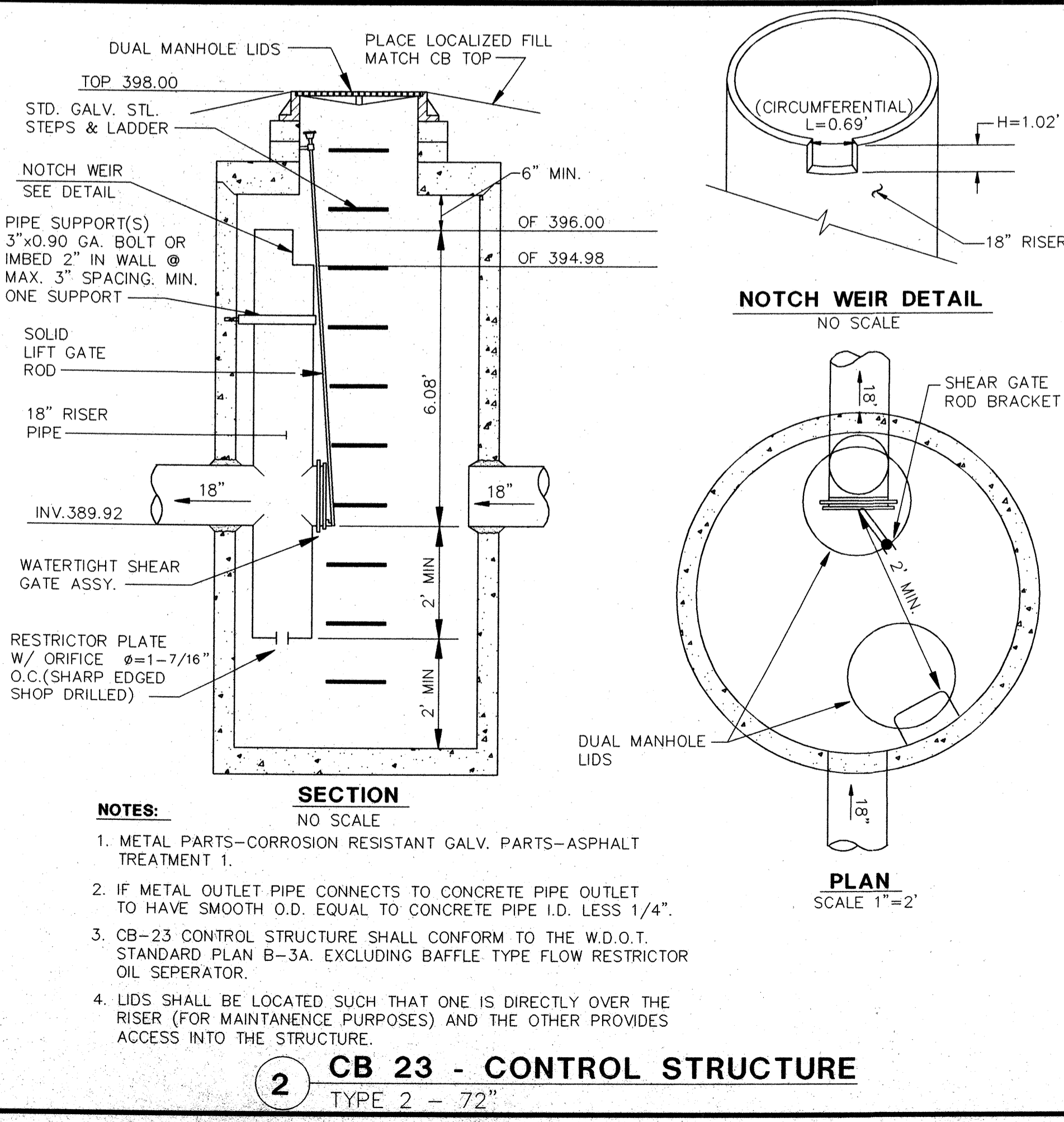
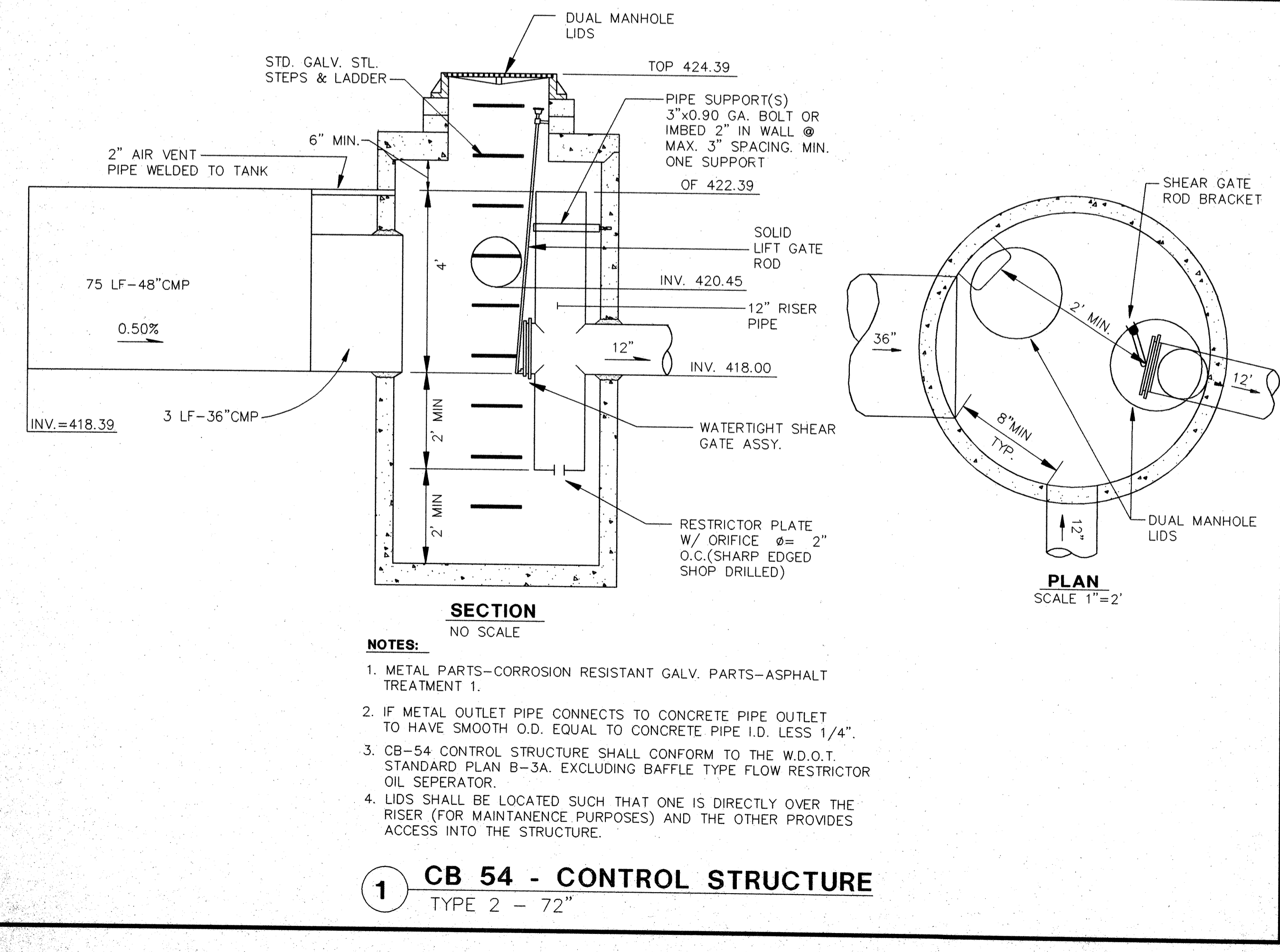
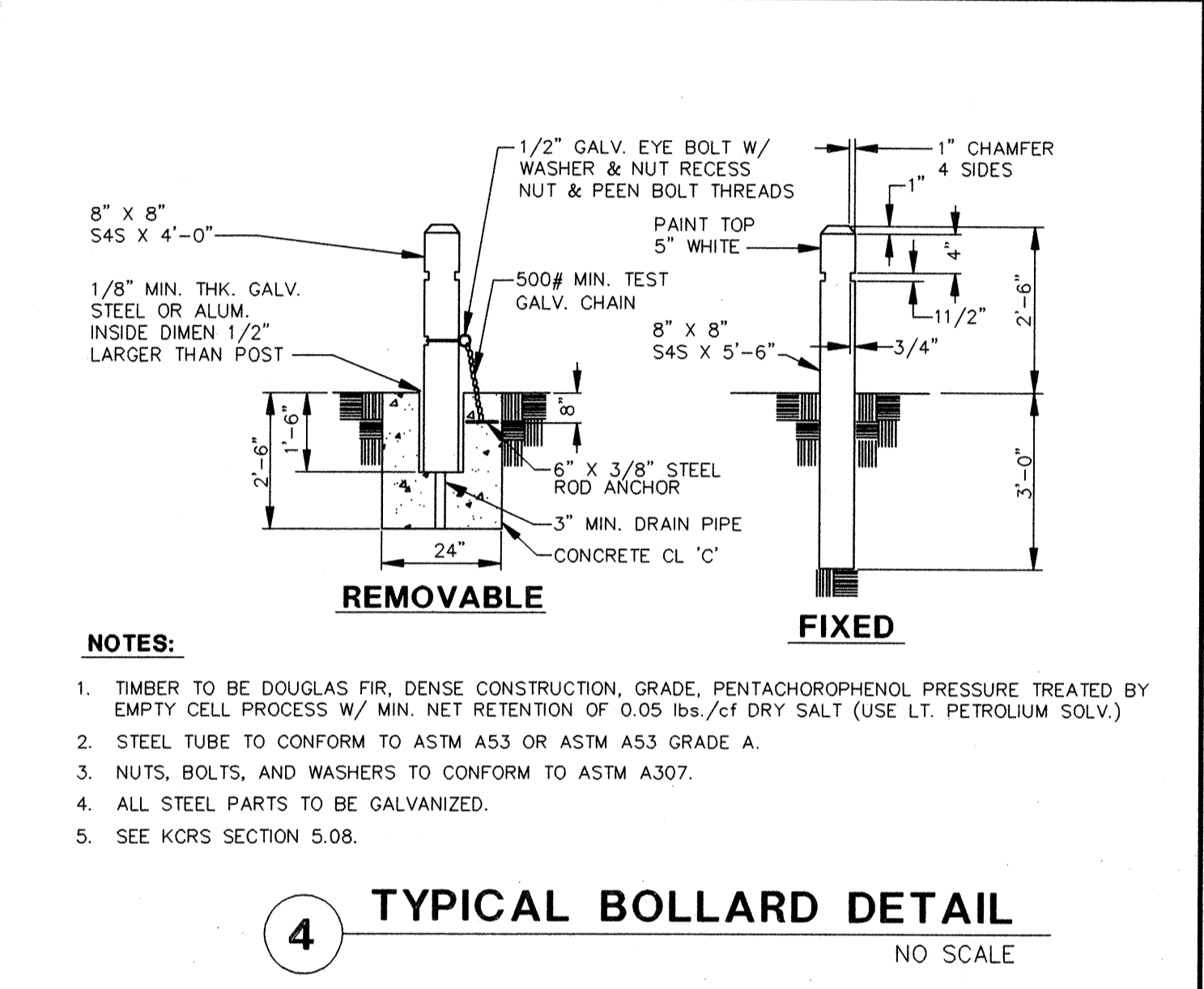
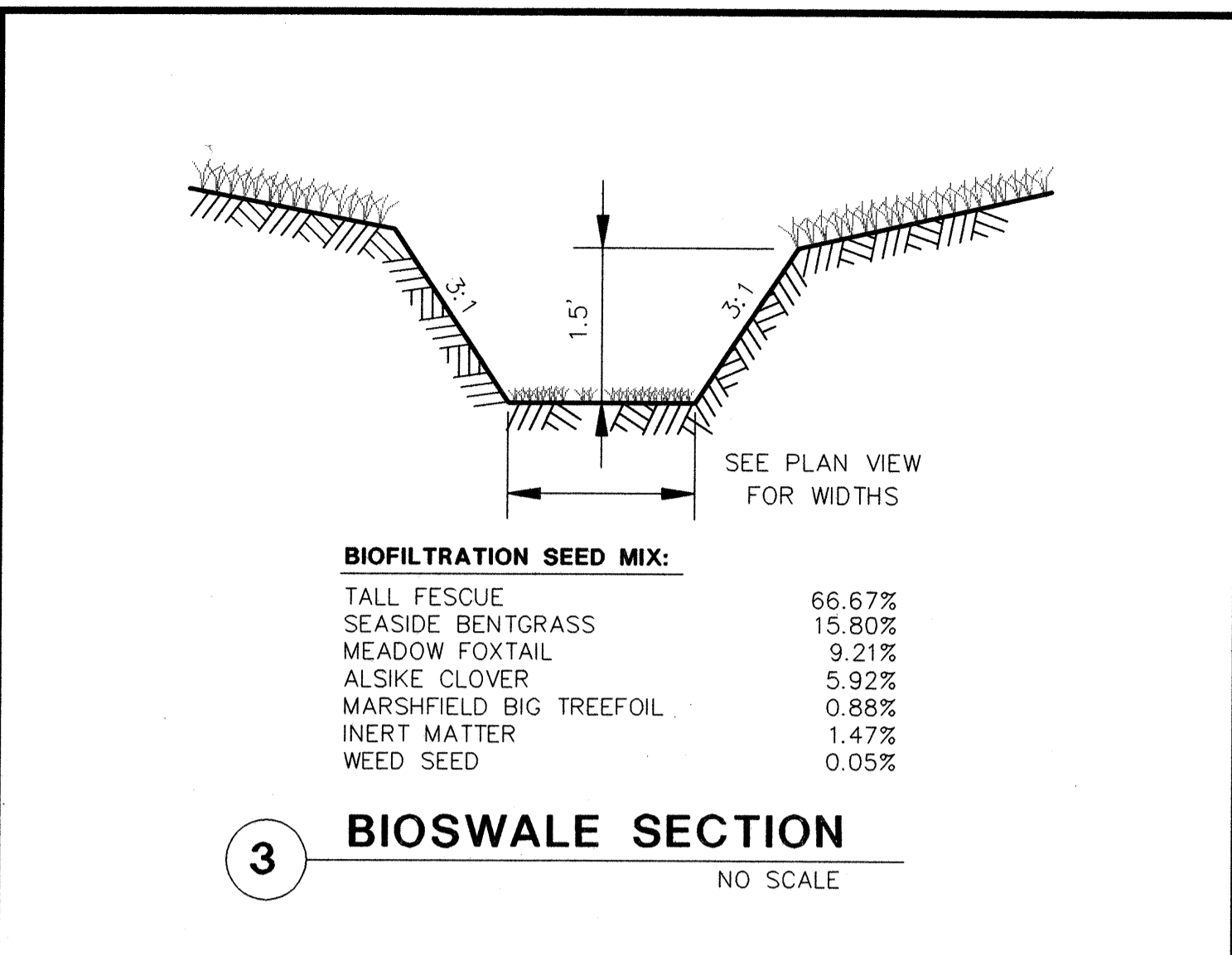
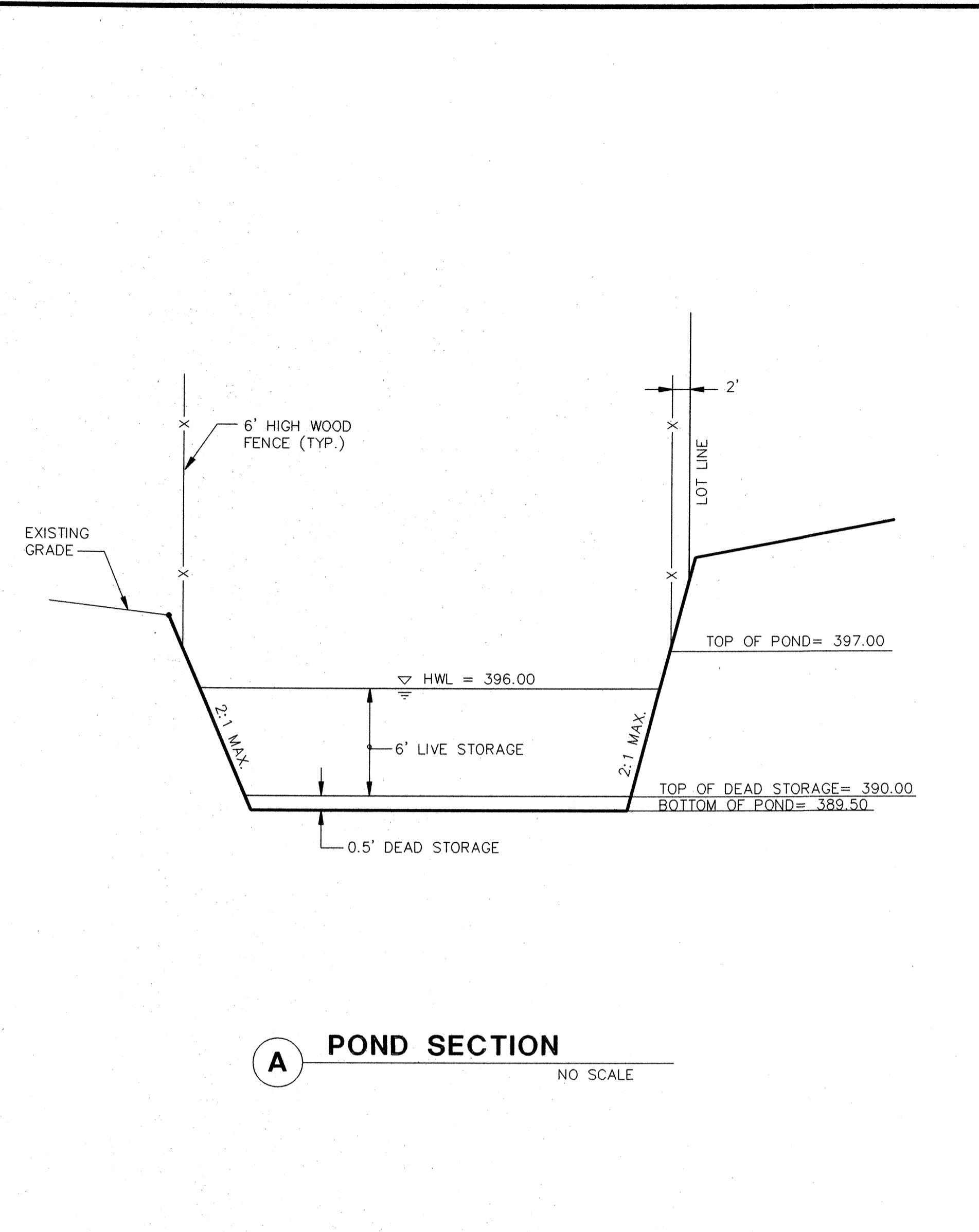
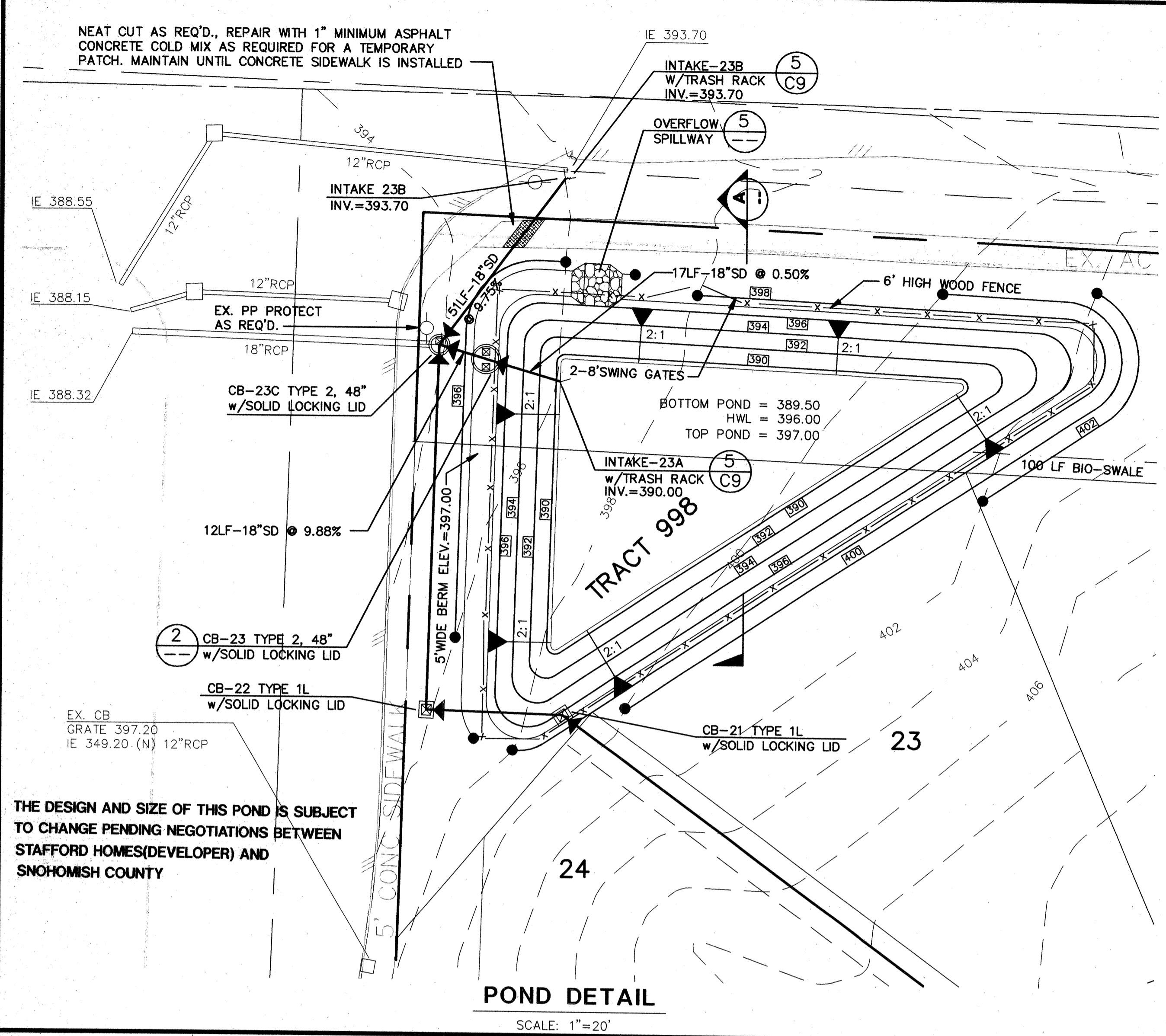
CALL 48 HOURS
 BEFORE YOU DIG
 1-800-424-5555

CITY OF MILL CREEK
 APPROVED FOR CONSTRUCTION
 CITY ENGINEER DATE

GI GROUP FOUR, Inc.
 16030 JUANITA-WOODINVILLE WAY NE
 BOTHELL WASHINGTON 98011
 (206)775-4581 • (206)362-4244 • FAX (206)362-3819
 SURVEYING ENGINEERING PLANNING MANAGEMENT

**STAFFORD HOMES
 APPLETREE PARK
 ROADWAY AND DRAINAGE
 NOTES AND DETAILS**

WASHINGTON
 CITY OF MILL CREEK
 AUG - 7 1995
 SHT C10 OF 13
 JOB NO:95-8013



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1-800-424-5555

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
3 Aug 95
CITY ENGINEER

STAFFORD HOMES
APPLETREE PARK
ROADWAY AND DRAINAGE DETAILS
CITY OF MILL CREEK
WASHINGTON

GROUP FOUR, Inc.
16030 JUANITA-WOODINVILLE WAY NE
BOTHELL, WASHINGTON 98011
(206) 362-4581 • (206) 362-4244 • FAX (206) 362-3819

REVISIONS PER CITY REVIEW COMMENTS: 6/15/95 MCH
REVISIONS PER CITY REVIEW COMMENTS: 7/19/95 MCH

DATE: 4/95
CHECKED BY: MCH
DRAWN BY: MCH
DATE: 4/95

DATE: 4/95
APPROVED BY: [Signature]
DATE: 4/95

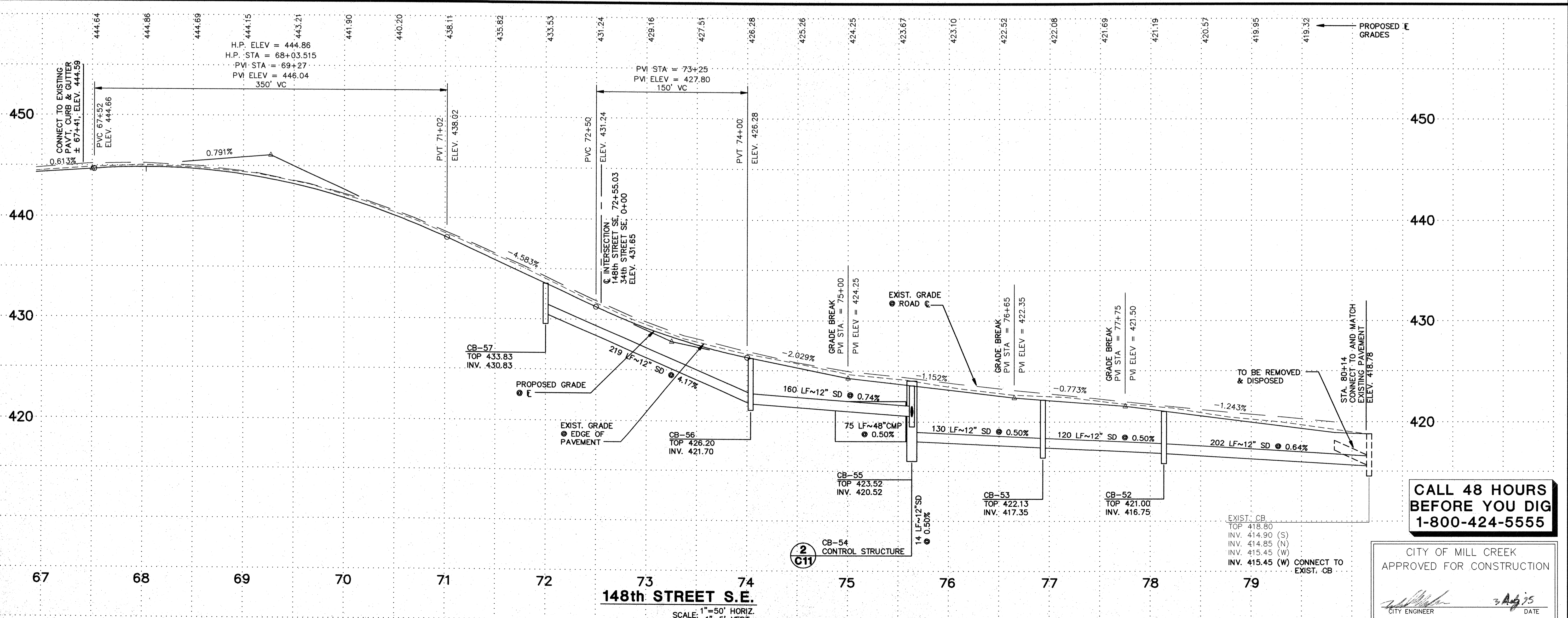
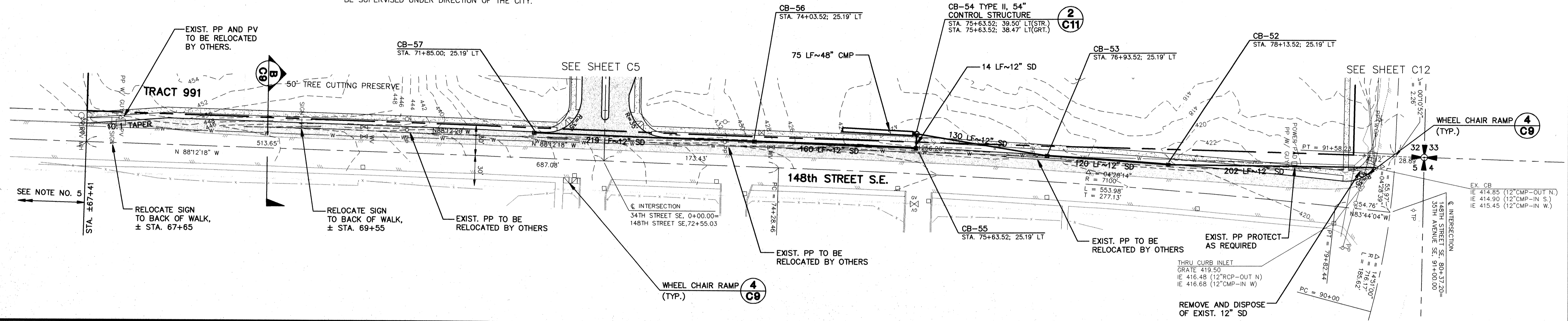
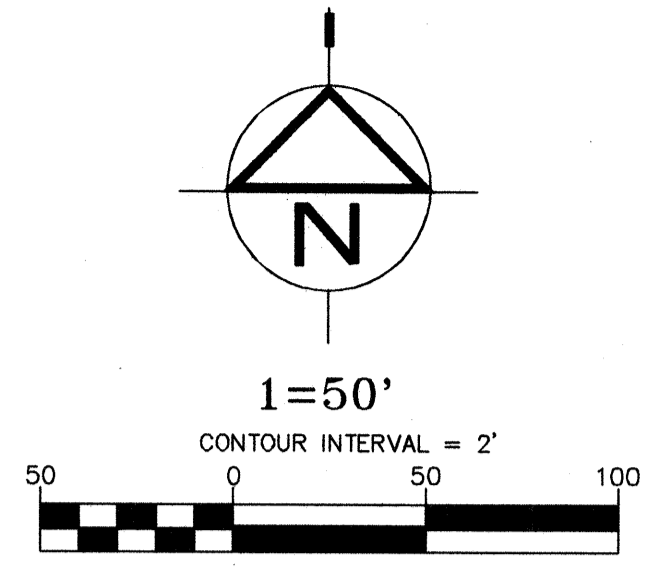
SHT C11 OF 13
JOB NO: 95-8013

BRIGHTON HDEV-082

SE 1/4, SEC. 32, TWP. 28N., RGE. 5E., W.M.

NOTES:

- "SD" INDICATES ANY OF THE FOLLOWING:
 - DUCTILE IRON (WATER SUPPLY, CLASS 50 OR 52)
 - REINFORCED CONCRETE PIPE
 - CORRUGATED ALUMINUM PIPE
 - ALUMINUM SPIRAL RIB PIPE
 - CORRUGATED HIGH DENSITY POLYETHYLENE PIPE (CPEP)-SMOOTH INTERIOR, TYPE 111, CATEGORY 4 OR 5, GRADE P33 OR P34, CLASS C PER ASTM D1248, AND AASHTO M294. THIS CAN ONLY BE INSTALLED WITH A FULL TIME ON SITE INSPECTOR.
 - POLYVINYL CHLORIDE (PVC) SEWER PIPE SDR 35, ASTM D3034, IS ALLOWED FOR ROOF AND FOOTING COLLECTION ONLY.
- A COORDINATE LISTING, OR EQUAL, OF THE PROVIDED DRAINAGE STRUCTURE LOCATIONS IS AVAILABLE AT GROUP FOUR, INC.
- ALL NECESSARY OFF-SITE CONSTRUCTION ESMT'S AND PERMITS SHALL BE OBTAINED PRIOR TO COMMENCING CONSTRUCTION.
- "CP" INDICATES ANY OF THE FOLLOWING:
 - DUCTILE IRON, RCP, CP, CPEP, PVC, AS DESCRIBED ABOVE.
- SIDEWALK SHALL EXTEND FROM THE S.W. @ 900± TO THE WEST, AND CONNECT TO THE EXISTING SIDEWALK, WHICH PRESENTLY TERMINATES ON THE NORTHEASTERN SIDE OF THE 148th ST SE AND VILLAGE GREEN DRIVE INTERSECTION. THE SIDEWALK SHALL CONSIST OF A MEANDERING 5' WIDE 4" CONCRETE SIDEWALK, ROCKERIES AND SIDE SLOPES OF 2:1 MAX. FOR FILL SLOPES AND 1.5:1 FOR CUT SLOPES SHALL BE EMPLOYED TO MAINTAIN THE SIDEWALK AND ASSOCIATED GRADING WITHIN THE 148th ST SE RIGHT-OF-WAY. THE EXACT LOCATION OF THE SIDEWALK AND POTENTIAL CONSTRUCTION EASEMENTS, AS WELL AS THE POSSIBLE UTILITY RELOCATION, REPAIR AND RESTORATION ACTIVITY, ETC., SHALL BE SUPERVISED UNDER DIRECTION OF THE CITY.
- TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE 1994 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION PUBLISHED BY W.S.D.O.T. AND A.P.W.A. FLAGGERS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE EMPLOYED AS NECESSARY DURING CONSTRUCTION, AND ONE LANE SHALL BE KEPT OPEN AT ALL TIMES ALONG 148th STREET S.E.
- ALL DISTURBED OFF-SITE IMPROVEMENTS (FENCES, DRIVEWAYS, ETC.) SHALL BE REPLACED TO THE SATISFACTION OF THE CITY.



BY: MCH
DATE: 6/15/95
REVISIONS PER CITY REVIEW COMMENTS: 7/19/95

NO. 1.
2.

FILE NAME: J:\WP-8013\WP\PS01.SCP\PS-01.DWG
DATE: AUG 11 1995 13:59:03

GROUP FOUR, Inc.
16030 JUANITA-WOODVILLE WAY NE
BOTHELL, WASHINGTON 98011
(206) 775-4561 • (206) 362-4244 • FAX (206) 562-3819
SURVEYING ENGINEERING PLANNING MANAGEMENT
DRAWN BY: RCA/MCH CHECKED BY: APPROVED BY: DATE: DATE:

STAFFORD HOMES
APPLETREE PARK
148th STREET S.E.
FRONTAGE IMPROVEMENT PLAN
CITY OF MILL CREEK WASHINGTON

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

CITY OF MILL CREEK APPROVED FOR CONSTRUCTION

CITY ENGINEER: [Signature] DATE: 3 Aug 95

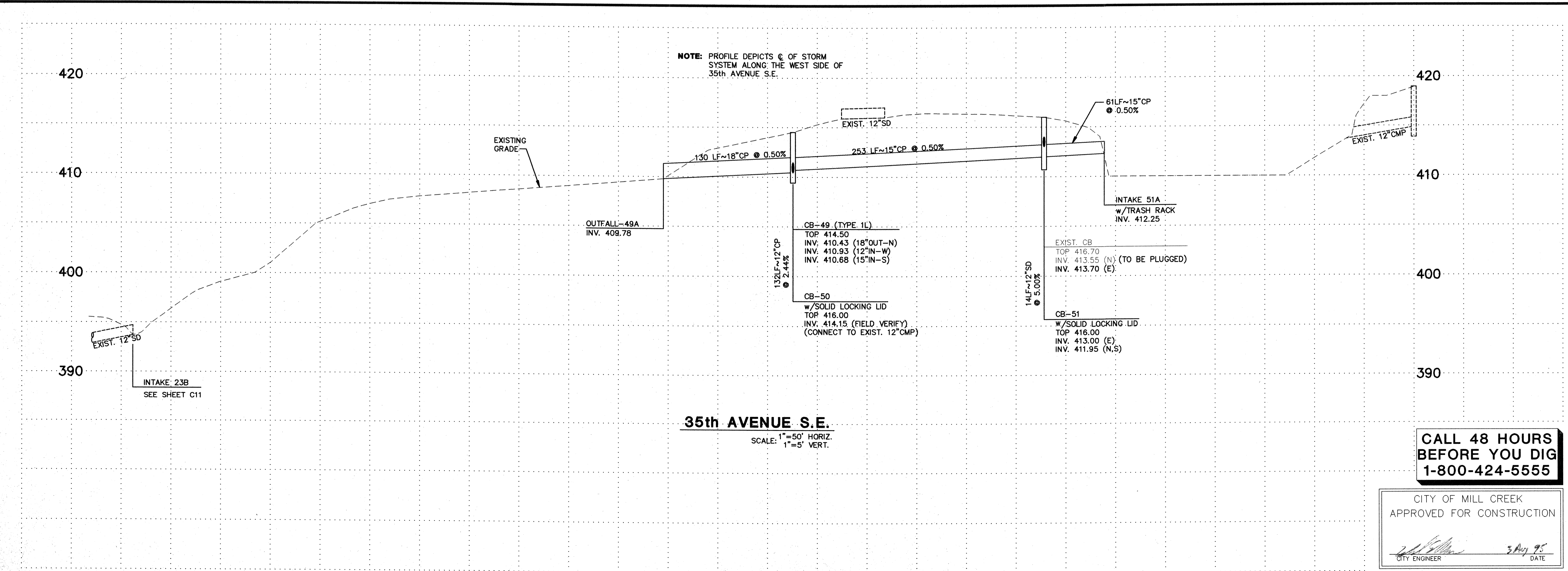
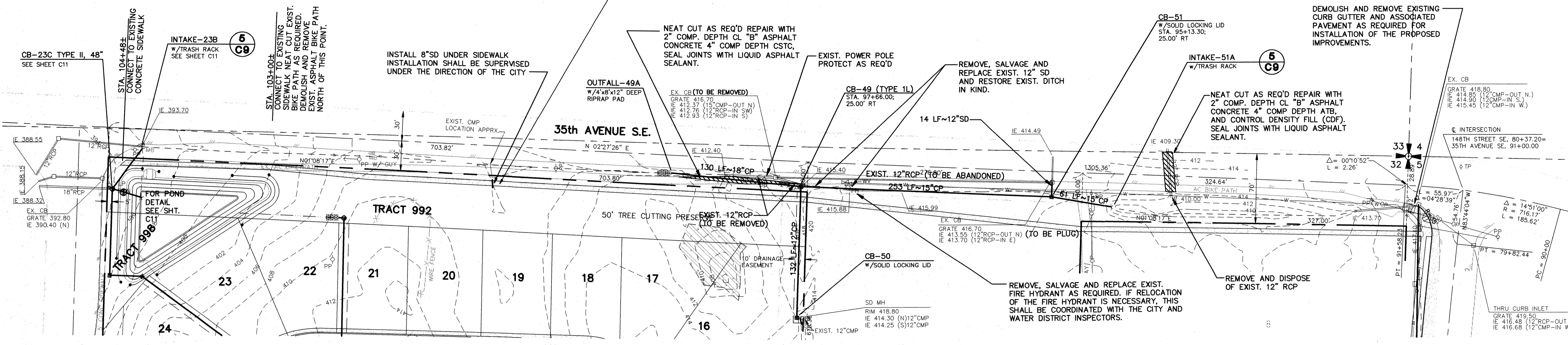
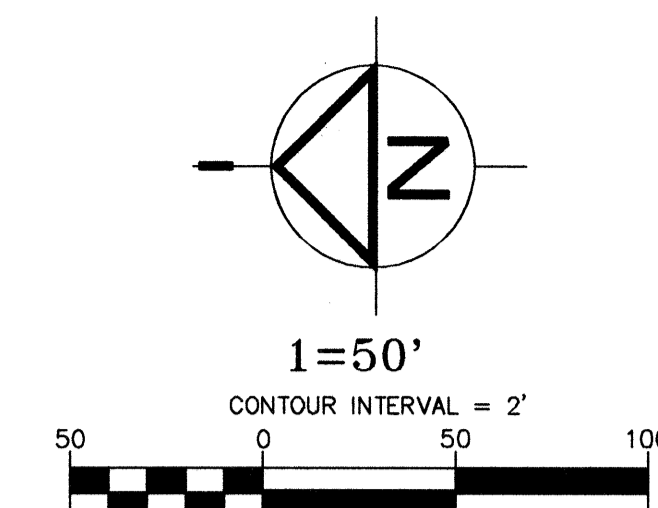
SHT C12 OF 13
JOB NO: 95-8013

BRIGHTON HDEV-083

NOTES:

- "SD" INDICATES ANY OF THE FOLLOWING:
 - DUCTILE IRON (WATER SUPPLY, CLASS 50 OR 52)
 - REINFORCED CONCRETE PIPE
 - CORRUGATED ALUMINUM PIPE
 - ALUMINUM SPIRAL RIB PIPE
 - CORRUGATED HIGH DENSITY POLYETHYLENE PIPE OR 5, GRADE P33 OR P34, CLASS C PER ASTM D1248, AND AASHTO M294. THIS CAN ONLY BE (CPEP) - SMOOTH INTERIOR, TYPE 11, CATEGORY 4 INSTALLED WITH A FULL TIME ON SITE INSPECTOR.
 - POLYVINYL CHLORIDE (PVC) SEWER PIPE SDR 35, ASTM D3034, IS ALLOWED FOR ROOF AND FOOTING COLLECTION ONLY.
- A COORDINATE LISTING, OR EQUAL, OF THE PROVIDED DRAINAGE STRUCTURE LOCATIONS IS AVAILABLE AT GROUP FOUR, INC.
- ALL NECESSARY OFF-SITE CONSTRUCTION ESM'T'S AND PERMITS SHALL BE OBTAINED PRIOR TO COMMENCING CONSTRUCTION.
- "CP" INDICATES ANY OF THE FOLLOWING:
 - DUCTILE IRON, RCP, CP, CPEP, PVC, AS DESCRIBED ABOVE.
- TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE 1994 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION PUBLISHED BY W.S.D.O.T. AND A.P.W.A. FLAGGERS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE EMPLOYED AS NECESSARY DURING CONSTRUCTION, AND ONE LANE SHALL BE KEPT OPEN AT ALL TIMES ALONG 35th AVENUE S.E.
- ALL DISTURBED OFF-SITE IMPROVEMENTS (FENCES, DRIVEWAYS, ETC.) SHALL BE REPLACED TO THE SATISFACTION OF THE CITY.

SE 1/4, SEC. 32 ,TWP. 28N. ,RGE. 5E. ,W.M.



CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION
[Signature] 3 Aug 95
CITY ENGINEER DATE

BY: RCA MCH
DATE: 7-7-95
REVISIONS PER CITY REVIEW COMMENTS: 7-19-95

NO. 1.
2.

REVISION: J:\95-8013\WTF\PROG.SDRP-FE.DWG. AUG. 11 1995 14:00:00

GI GROUP FOUR, Inc.
16030 JUANITA-WOODINVILLE WAY NE
BOTHELL, WASHINGTON 98011
(206) 775-4581 • (206) 362-4244 • FAX (206) 362-3819
SURVEYING ENGINEERING PLANNING MANAGEMENT

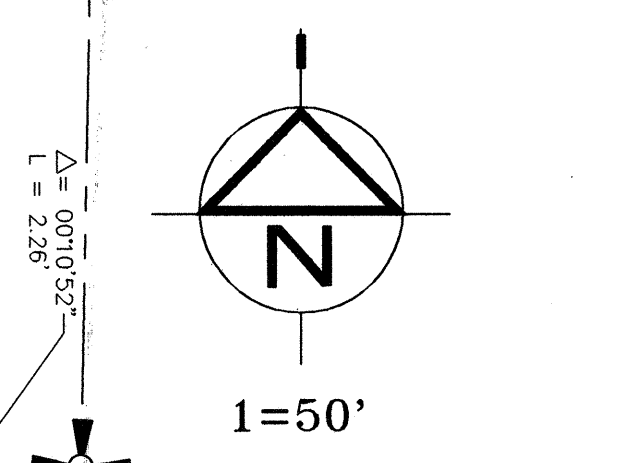
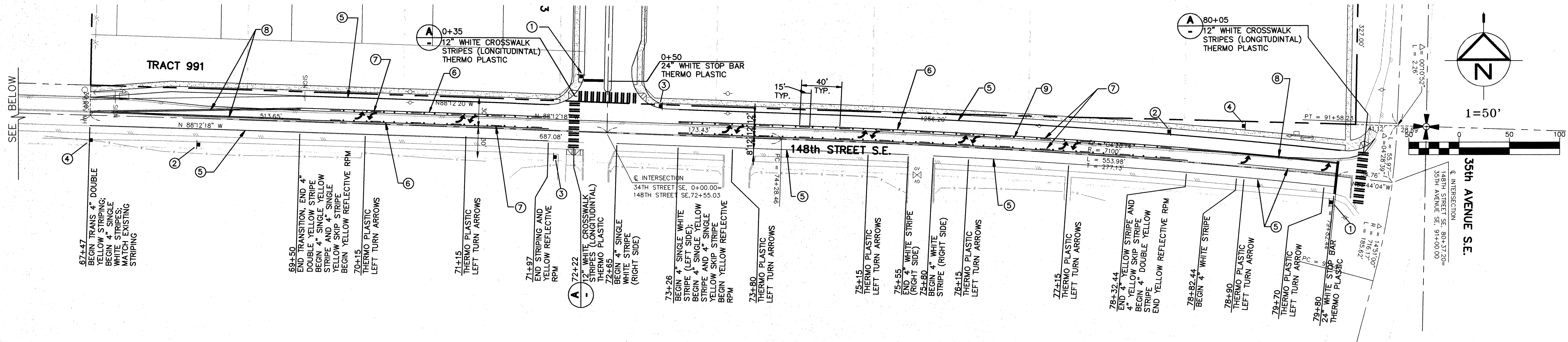
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STAFFORD HOMES
APPLETREE PARK
35th AVENUE S.E.
FRONTAGE IMPROVEMENT PLAN
CITY OF MILL CREEK WASHINGTON

SHT C13 OF 13
JOB NO: 95-8013

AUG - 7 1995

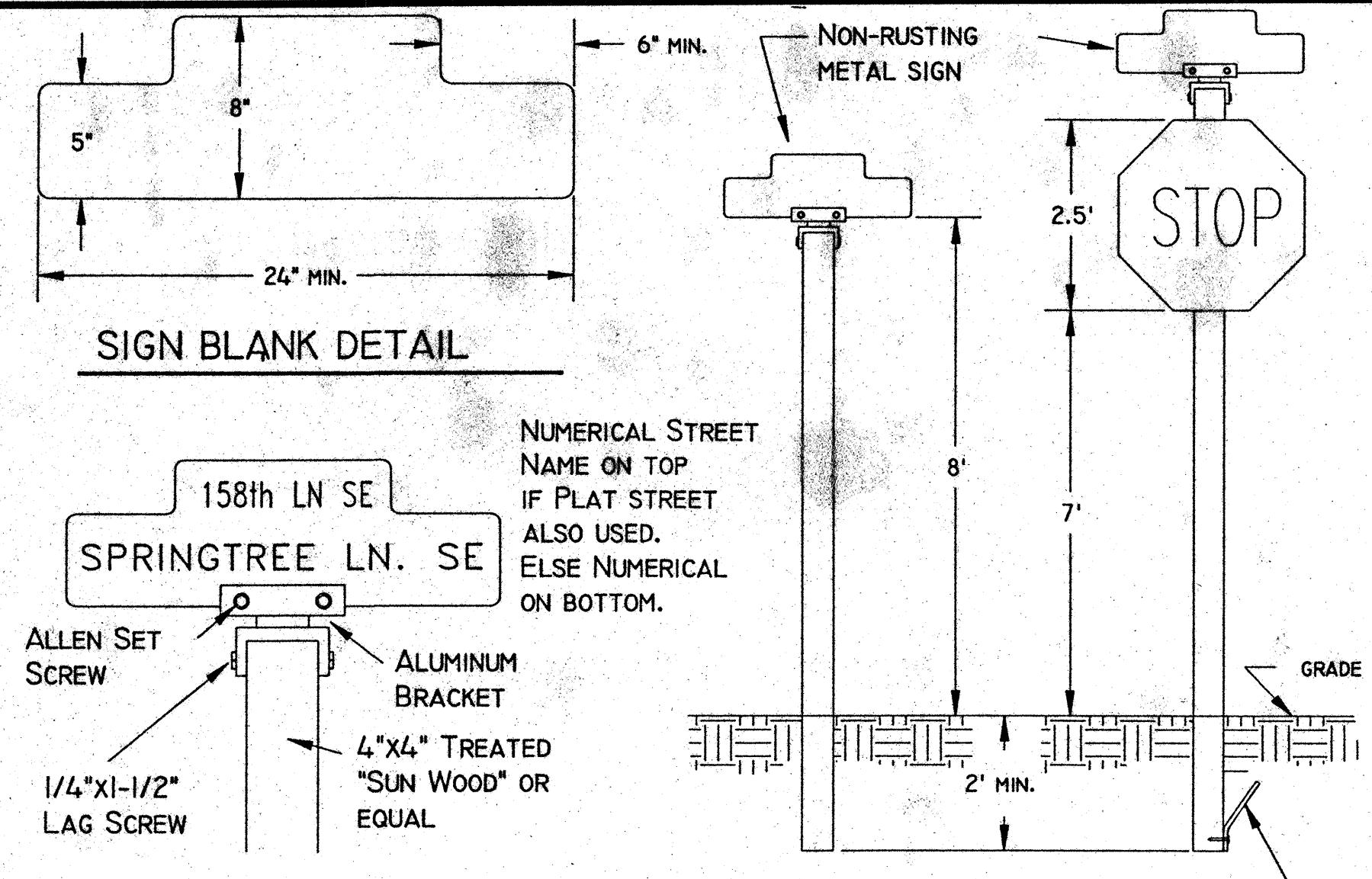
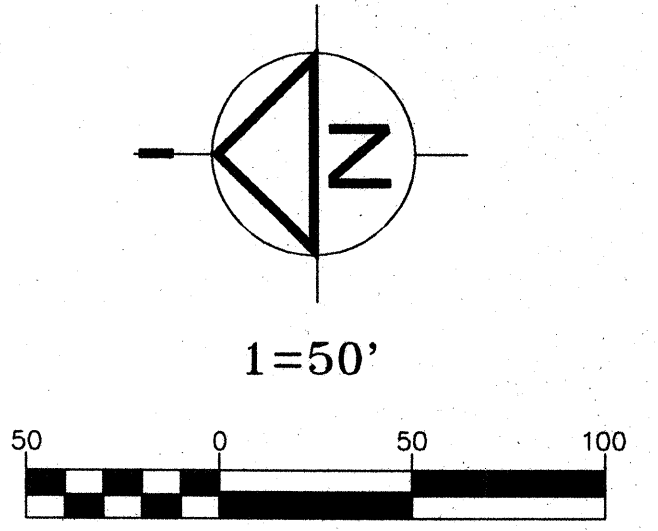
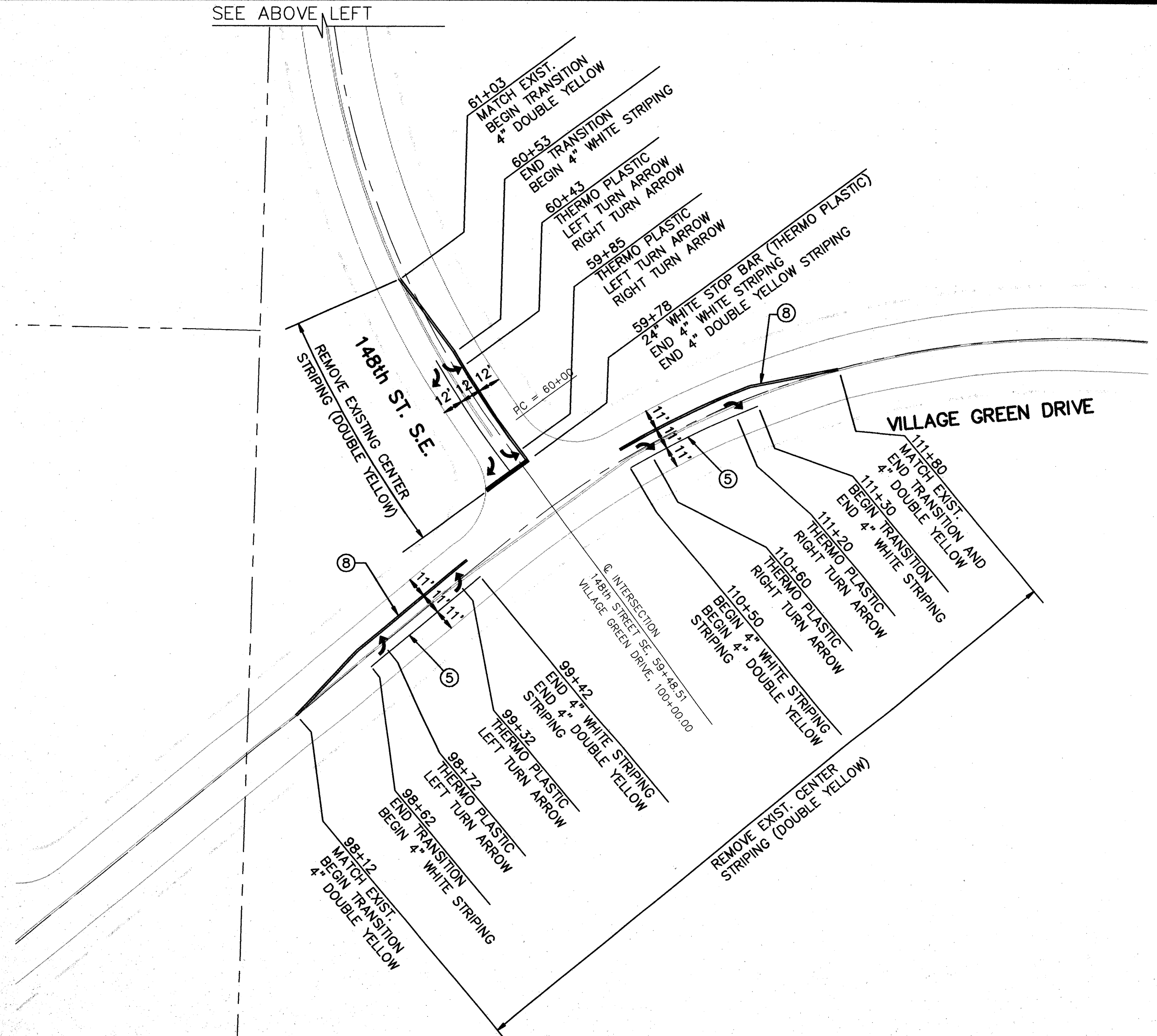
BRIGHTON HDEV-084



SIGNAGE SCHEDULE			
PLAN CODE	MUTCD CODE	SIGN TYPE	QTY
①	R1-1	STOP AND STREET NAME	2
②	R2-1	25 MPH	2
③	S2-1	SCHOOL CROSSING SIGN	2
④	S4-3, R2-1 AND S4-2	SCHOOL SPEED LIMIT SIGN ASSEMBLY	2

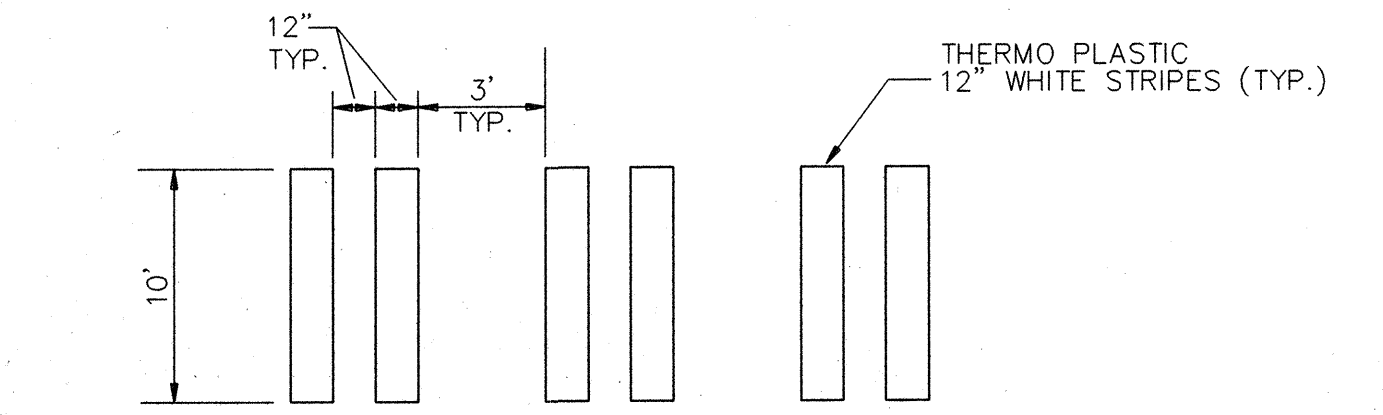
STRIPING SCHEDULE		
PLAN CODE	STRIPE TYPE	QTY.
⑤	SINGLE WHITE STRIPE	2,361 LF
⑥	SINGLE YELLOW STRIPE	1,557 LF
⑦	SINGLE YELLOW SKIP STRIPE	1,506 LF
⑧	DOUBLE YELLOW STRIPE	516 LF
⑨	YELLOW REFLECTIVE RPM	114

- NOTES
- REMOVE EXISTING LANE STRIPING FROM STA. 67+47 TO STA 80+00 REPLACE WITH NEW STRIPING.
 - ACCESS TO THE SCHOOL AND ACCESS BY EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
 - ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF MILL CREEK STANDARDS AND AMERICAN SPECIFICATIONS AND WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 1991 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND MUTCD.
 - ALL FLAGGERS ARE TO BE EQUIPPED WITH ORANGE SAFETY VEST 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.



NOTE: SIGN SHALL BE WHITE LETTERS ON A REFLECTIVE GREEN BACKGROUND. CITY OPTION: VANDAL PROOFING PLATE, 3"x6" ALUMINUM.

STOP AND STREET NAME SIGN DETAIL



A CROSSWALK STRIPES
NO SCALE

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

CITY OF MILL CREEK
APPROVED FOR CONSTRUCTION

[Signature] 3 Aug 95
CITY ENGINEER DATE

REVISION NO. DATE BY
1. REVISIONS PER CITY REVIEW COMMENTS 7-19-95 MCH
2. REV. PER CITY COMMENTS 8-1-95 RCA

GROUP FOUR, Inc.
16030 JUANITA - WOODINVILLE WAY NE
ROTHELL WASHINGTON 98011
(206)775-4581 • (206)862-4244 • FAX(206)862-9819
SURVEYING ENGINEERING PLANNING MANAGEMENT

DRAWN BY: MCH CHECKED BY: APPROVED BY: DATE: DATE: DATE:
WASHINGTON

**STAFFORD HOMES
APPLETREE PARK
148th STREET S.E.
CHANNELIZATION PLAN**

CITY OF MILL CREEK

SHT T1 OF 1
JOB NO:95-8013