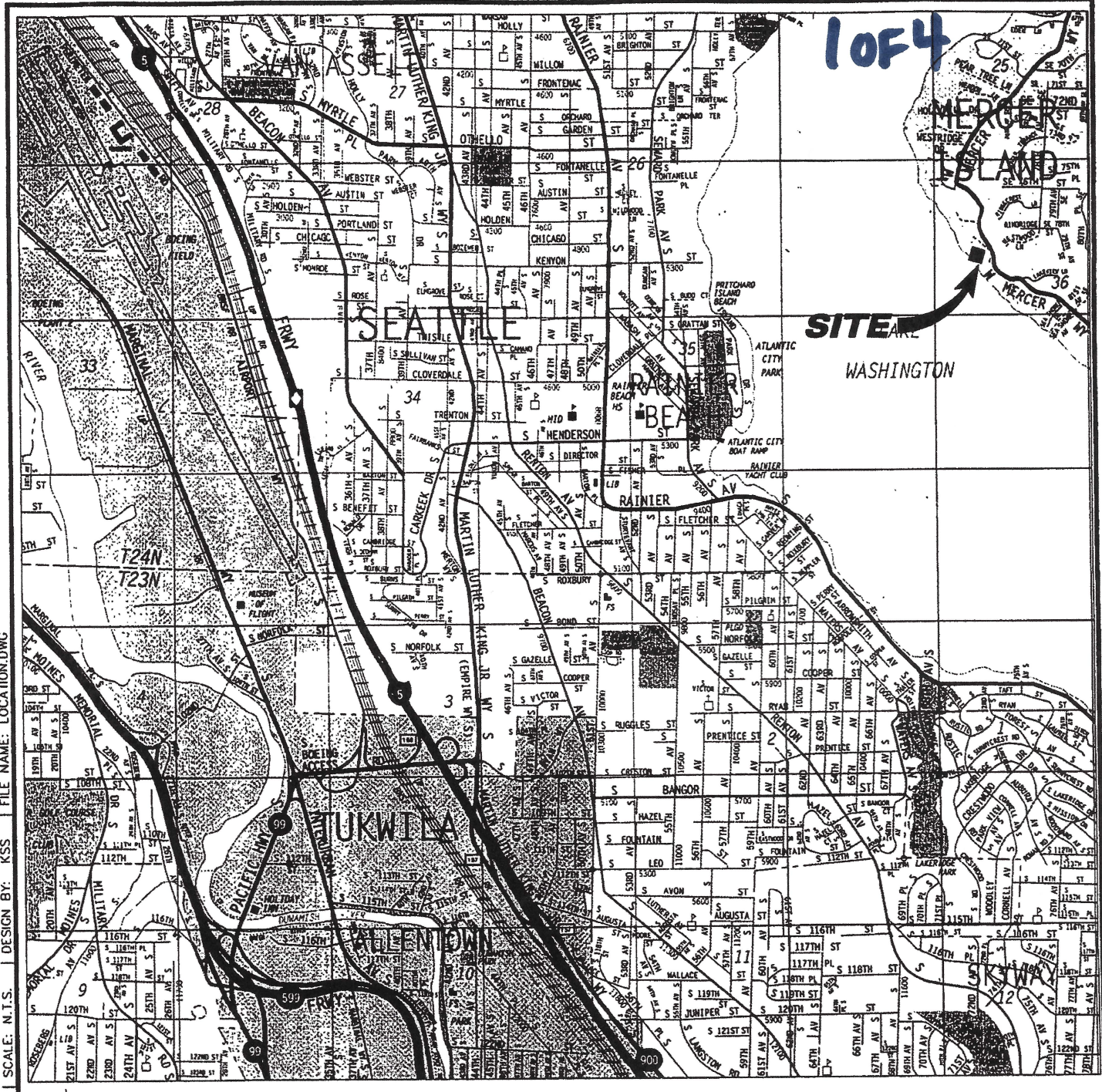


EX. 1053

10F4



SCALE: N.T.S. | DESIGN BY: KSS | FILE NAME: LOCATION.DWG

JOB NO.: 1-91M-14049-0 | DWG DATE: 07-20-2001



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LOCATION MAP
 COSON RESIDENCE
 MERCER ISLAND, WASHINGTON

FIGURE
 1

EX. 1053
2 of 4

BUILD FROM THE APPROVED PLANS ONLY

REMEMBER: Erosion control is your FIRST inspection.

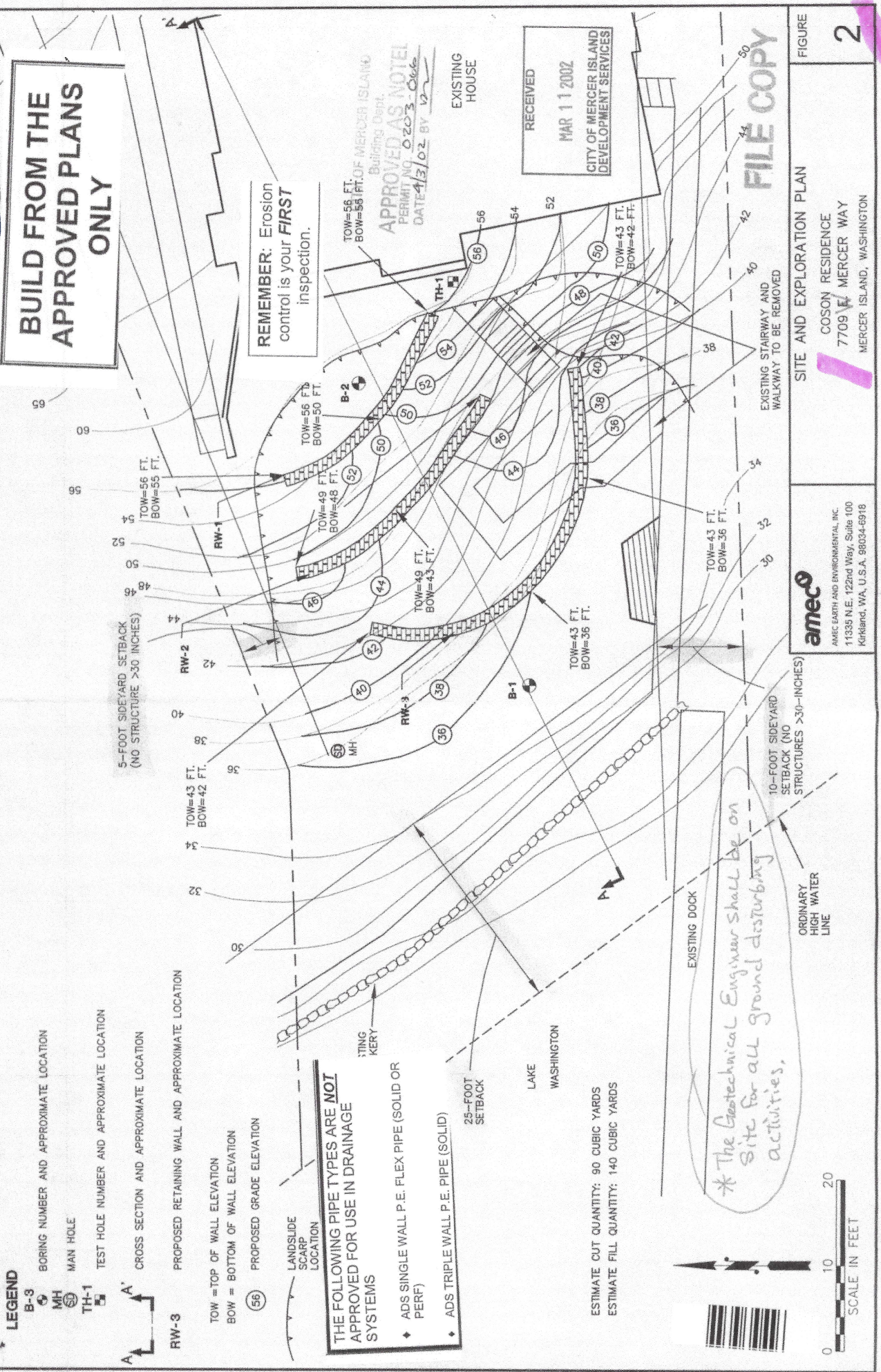
APPROVED AS NOTEL
PERMIT NO. 0203-066
DATE 4/3/02 BY [Signature]

RECEIVED
MAR 11 2002
CITY OF MERCER ISLAND
DEVELOPMENT SERVICES

FILE COPY

FIGURE 2
SITE AND EXPLORATION PLAN
COSON RESIDENCE
7709 MERCER WAY
MERCER ISLAND, WASHINGTON

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LEGEND
 B-3 BORING NUMBER AND APPROXIMATE LOCATION
 MH MAN HOLE
 TH-1 TEST HOLE NUMBER AND APPROXIMATE LOCATION
 RW-3 CROSS SECTION AND APPROXIMATE LOCATION
 RW-3 PROPOSED RETAINING WALL AND APPROXIMATE LOCATION
 TOW = TOP OF WALL ELEVATION
 BOW = BOTTOM OF WALL ELEVATION
 (56) PROPOSED GRADE ELEVATION
 LANDSLIDE SCARP LOCATION
 TING KERY
 25-FOOT SETBACK
 LAKE WASHINGTON
 EXISTING DOCK
 10-FOOT SIDEYARD SETBACK (NO STRUCTURES >30-INCHES)
 ORDINARY HIGH WATER LINE

THE FOLLOWING PIPE TYPES ARE NOT APPROVED FOR USE IN DRAINAGE SYSTEMS
 ◆ ADS SINGLE WALL P.E. FLEX PIPE (SOLID OR PERF)
 ◆ ADS TRIPLE WALL P.E. PIPE (SOLID)

ESTIMATE CUT QUANTITY: 90 CUBIC YARDS
 ESTIMATE FILL QUANTITY: 140 CUBIC YARDS

The Geotechnical Engineer shall be on site for all ground disturbing activities.

0 10 20
SCALE IN FEET

EX. 1053
3 of 4

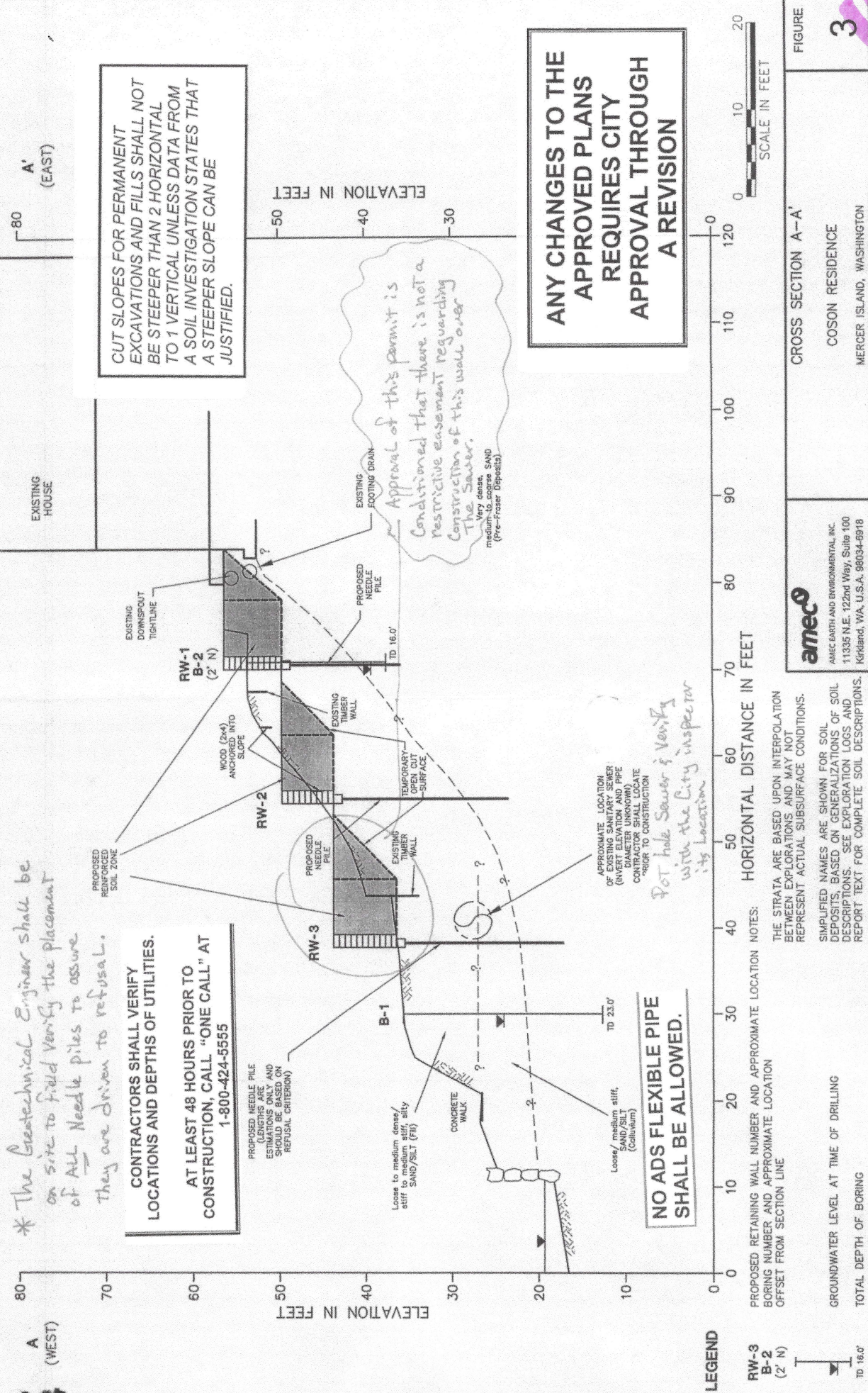


FIGURE 3

CROSS SECTION A-A'

COSON RESIDENCE
 MERCER ISLAND, WASHINGTON

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LEGEND
 RW-3 B-2 (2' N) TO 16.0'

LEGEND
 RW-3 B-2 (2' N) TO 16.0'

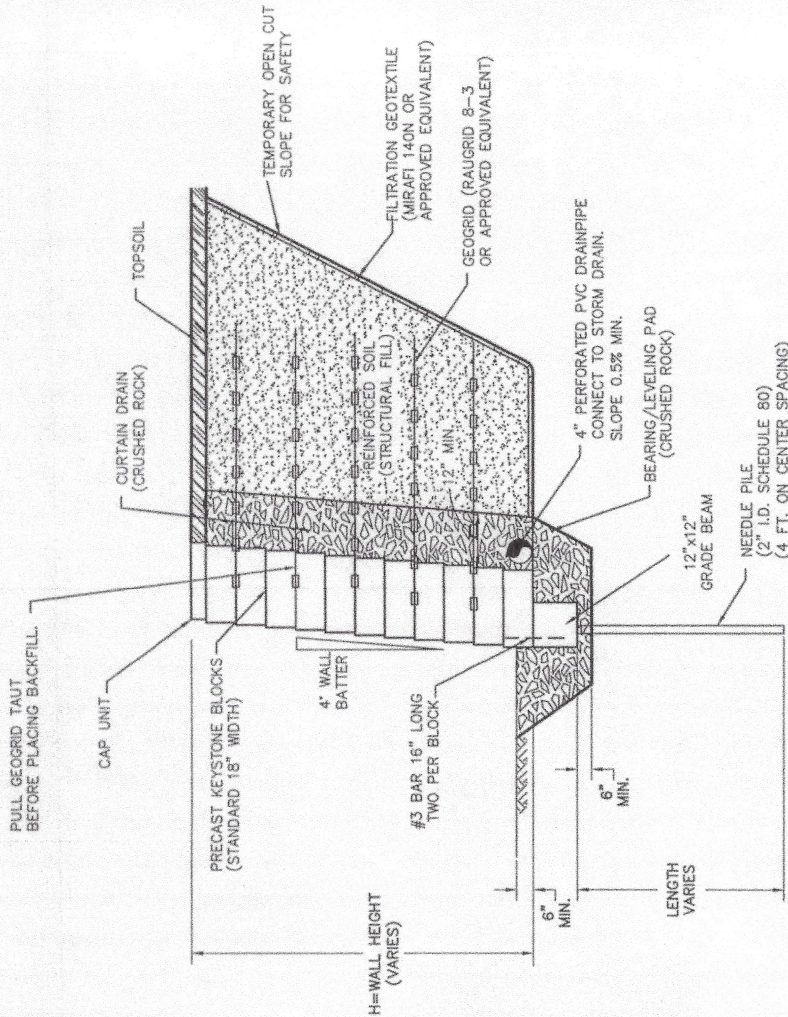
LEGEND
 RW-3 B-2 (2' N) TO 16.0'

** The Geotechnical Engineer shall be on site to field verify the placement of all needle piles to assure they are driven to refusal.*

CONTRACTORS SHALL VERIFY LOCATIONS AND DEPTHS OF UTILITIES. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, CALL "ONE CALL" AT 1-800-424-5555

NO ADS FLEXIBLE PIPE SHALL BE ALLOWED.

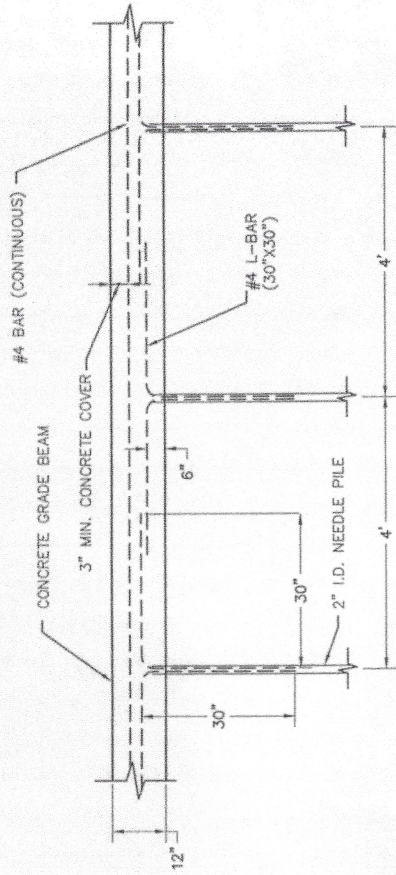
Ex. 1053
4 of 4



TYPICAL KEYSTONE WALL SUPPORTED BY NEEDLE PILES

N.T.S.

* The Engineered Keystone^{wall} is to have special inspection (See "Structural Observation Sec. 220, 1997 UBC) by The Engineer of Record. Submit daily field reports/inspections To the City inspector along with a letter of acceptance.



GRADE BEAM/ NEEDLE PILE DETAIL

N.T.S.

NOTE:

1. GEOGRID LENGTH SHALL BE MEASURED FROM FACE OF WALL.
2. GEOGRID LENGTH = 8 FEET.
3. ALL CONCRETE SHALL HAVE 3,000 PSI MIN. 28-DAY COMPRESSIVE STRENGTH. *Special Inspection Required*
4. NEEDLE PILE INSTALLATION CRITERIA:
 A) ALL NEEDLE PILES SHALL BE DRIVEN TO REFUSAL INTO DENSE NATIVE SOILS.
 B) REFUSAL CRITERIA SHALL BE DEFINED AS 1 INCH OR LESS OF PENETRATION DURING 1 MINUTE OF SUSTAINED DRIVING WITH A 90-POUND PNEUMATIC HAMMER AND UNDER FULL BODY WEIGHT.
5. BACKFILL WITHIN THE REINFORCEMENT ZONE SHALL BE GRANULAR STRUCTURAL FILL WITH MINIMUM UNIT DENSITY OF 125 POUNDS PER CUBIC FOOT. MINIMUM COMPACTION WITHIN FOUNDATION AND BACKFILL ZONE IS 90% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557. *Special Inspection Required for Compaction Tests.*
6. ENGINEER SHALL BE GIVEN 24 HOURS NOTICE PRIOR TO CONSTRUCTION TO ALLOW FOR SCHEDULING OF INSPECTION.



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KEYSTONE WALL AND GRADE BEAM DIAGRAM

COSON RESIDENCE
MERCER ISLAND, WASHINGTON

FIGURE

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