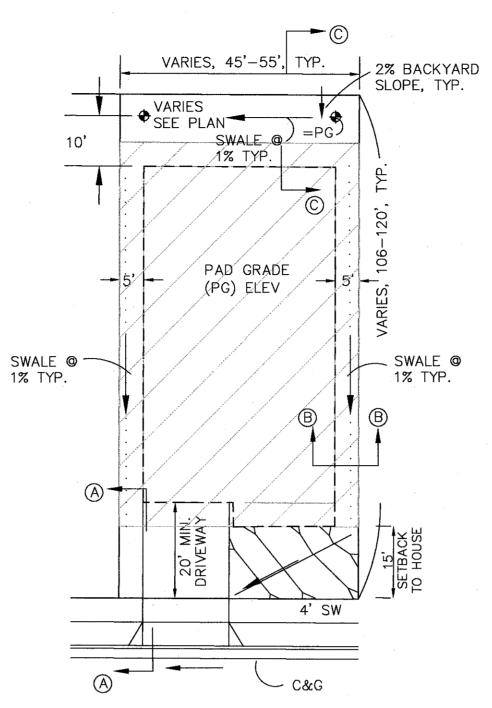


TYPICAL LOT GRADING DETAIL

SCALE: 1"=20' NOTE: 10' SIDEYARD SETBACK ADJACENT TO STREETS.



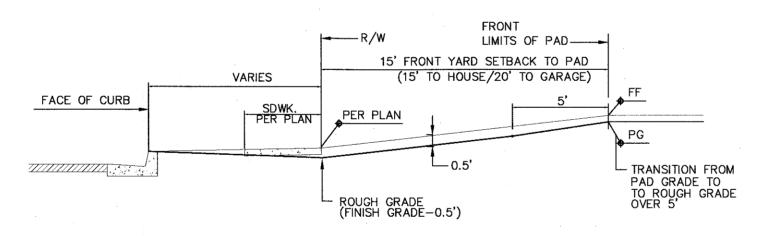
TYPICAL LOT GRADING DETAIL

DRIVEWAY ON LOW SIDE

SCALE: 1"=20' NOTE: 10' SIDEYARD SETBACK ADJACENT TO STREETS.

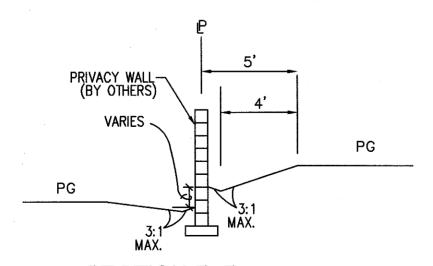
DRIVEWAY NOTE:

RECOMMENDED DRIVEWAY LOCATIONS ARE SHOWN ON PLANS WHERE STEEP STREET SLOPES OCCUR TO MINIMIZE DRIVEWAY SLOPES AND TO MINIMIZE RETAINING WALL HEIGHTS. WHERE DRIVEWAYS ARE SHOWN ON LOW SIDE, DRIVEWAYS SHALL BE CONSTRUCTED IN THIS LOCATION TO ENSURE A MIN. 1% SIDEYARD SWALE SLOPE.



SECTION A-A FRONT YARD GRADING

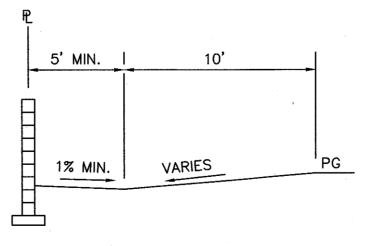
SCALE: 1"=5'-0"



SECTION B-B

TYPICAL SIDEYARD GRADING

SCALE: 1"=5'



SECTION C-C
TYPICAL BACKYARD GRADING
SCALE: 1"=5"

OVEREXCAVATION NOTE:

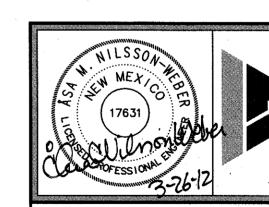
BUILDING PADS SHALL BE OVEREXCAVATED TO PROVIDE THREE FEET OF STRUCTURAL FILL BELOW BUILDING SLABS PER THE GEOTECHNICAL REPORT BY VINYARD & ASSOCIATES, JUNE 6, 2006 (PROJECT #05-1-466).

GRADING NOTES:

MINUS MATERIAL THICKNESSES.

- 1 ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OF OFFSITE.
- 2 ALL SUBGRADE, OVEREXCAVATION, AND FILL SHALL BE PLACED AND / OR COMPACTED PER THE GEOTECHNICAL REPORT BY VINYARD & ASSOCIATES, JUNE 6, 2006 (PROJECT #05-1-466) AND CITY OF ALBUQUERQUE SPECIFICATIONS.
- 3 EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE ELEVATIONS INDICATED BY GEOTECHNICAL REPORT, REGARDLESS OF CHARACTER OF MATERIALS ENCOUNTERED.
- 4 PAD AND ROUGH GRADING ELEVATIONS SHALL CONFORM TO ELEVATIONS SHOWN ON PLANS
- LESS MATERIAL THICKNESS WITHIN A TOLERANCE OF 0.2± FEET.

 5 GRADES SHOWN REPRESENT TOP OF FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.). CONTRACTOR SHALL GRADE, COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN
- 6 UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AS SHOWN ON PLAN. SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCE, COMPACT WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE INDICATED.
- 7 FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260—1990, FOR LOCATION OF EXISTING UTILITIES.
- 8 IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- 9 OWNER WILL PROVIDE SOIL TESTING AND INSPECTION SERVICES DURING EARTHWORK OPERATIONS. CONTRACTOR SHALL ALLOW TESTING LABS TO INSPECT AND APPROVE COMPACTED SUBGRADES AND FILL LAYERS BEFORE FURTHER CONSTRUCTION WORK IS DONE. SHOULD COMPACTION TESTS INDICATE INADEQUATE DENSITY, CONTRACTOR SHALL PROVIDE ADDITIONAL COMPACTION AND TESTING AT THE CONTRACTOR'S SOLE EXPENSE.
- 10 OWNER HAS ESTABLISHED SUBDIVISION BOUNDARY CORNERS. CONTRACTOR SHALL PROVIDE ALL OTHER CONSTRUCTION STAKING INCLUDING TRACT CORNERS. CONTRACTOR SHALL LOCATE AND PRESERVE ALL BOUNDARY CORNERS AND REPLACE ANY LOST OR DISTURBED CORNERS AT THE CONTRACTOR'S SOLE EXPENSE.
- 11 OWNER WILL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND INSPECTION. CONTRACTOR SHALL COMPLY WITH THE BEST MANAGEMENT PRACTICES (BMP'S) AS SPECIFIED IN THE SWPPP, AND WITH ALL FEDERAL, STATE, AND LOCAL REGULATI.
- 12 IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. REPORT ALL DISCREPANCIES TO THE ENGINEER AND VERIFY THE ENGINEER'S INTENT BEFORE PROCEEDING.
- 13 TRANSITIONS TO EXISTING PAVEMENT GRADES SHALL BE SMOOTH AND LEVEL. ANY NEW PAVING SURFACE HOLDING WATER (BIRDBATH) SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.
- 14 SEE SITE DEMOLITION PLAN FOR ALL SITE DEMOLITION INFORMATION.



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1821 CG-101.dwg Mar 26,2012

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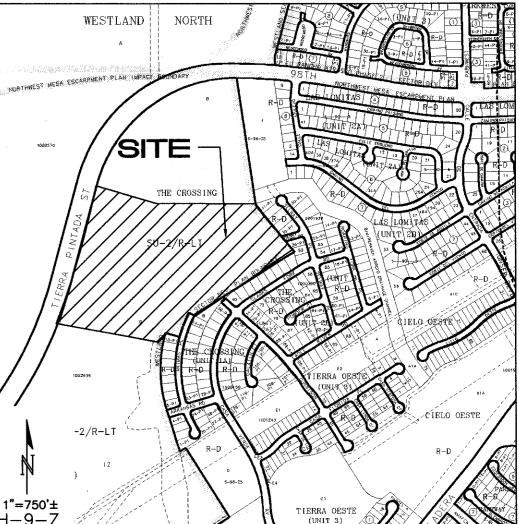
STORM CLOUD SUBDIVISION UNIT 4

WALH, LLC.

GRADING DETAILS

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NOV 2011				1821
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GENERAL WALL NOTES:

- RETAINING WALL DESIGN BY OTHERS.
- ALL EXISTING RETAINING WALLS AND PERIMETER WALLS SHALL BE REMOVED, UNLESS OTHERWISE
- SEE SHEET 8 FOR RETAINING WALL SECTIONS.
- 4. SEE SHEET 9 FOR EXISTING WALLS TO BE DEMOLISHED AND EXISTING WALLS TO REMAIN.

LEGEND

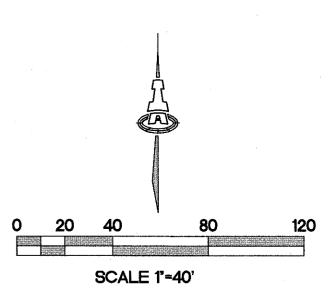
EXISTING RETAINING WALL TO REMAIN

---- PROPOSED RETAINING WALL PROPOSED GARDEN RETAINING WALL

(MAX. 1.5' RETAINING)

PROPOSED TOP/BOTTOM OF RETAINING WALL PROPOSED TOP/BOTTOM OF GARDEN RETAINING WALL

PROPOSED RETAINING WALL HEIGHT





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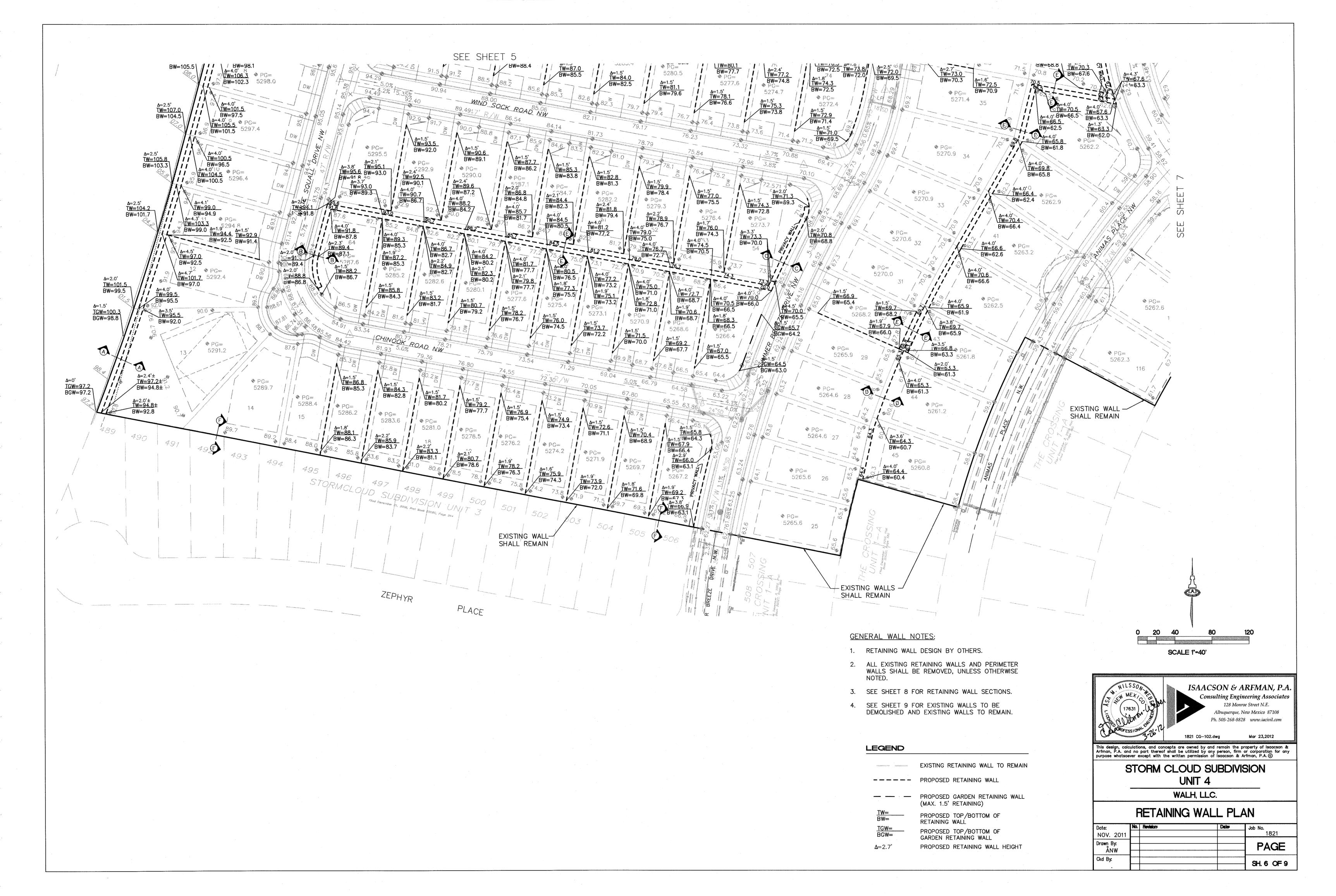
WALH, LLC.

STORM CLOUD SUBDIVISION UNIT 4

RETAINING WALL PLAN

PAGE

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GENERAL WALL NOTES:

- 1. RETAINING WALL DESIGN BY OTHERS.
- 2. ALL EXISTING RETAINING WALLS AND PERIMETER WALLS SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
- 3. SEE SHEET 8 FOR RETAINING WALL SECTIONS.
- 4. SEE SHEET 9 FOR EXISTING WALLS TO BE DEMOLISHED AND EXISTING WALLS TO REMAIN.

LEGEND

EXISTING RETAINING WALL TO REMAIN

---- PROPOSED RETAINING WALL

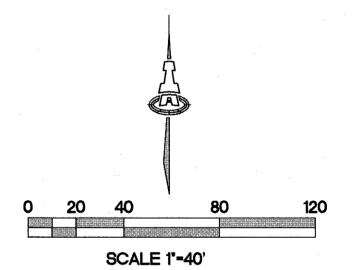
 PROPOSED GARDEN RETAINING WALL (MAX. 1.5' RETAINING)

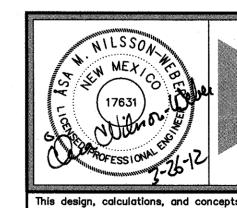
PROPOSED TOP/BOTTOM OF

RETAINING WALL

PROPOSED TOP/BOTTOM OF GARDEN RETAINING WALL

PROPOSED RETAINING WALL HEIGHT $\Delta=2.7$





ISAACSON & ARFMAN, P.A. Consulting Engineering Associates 128 Monroe Street N.E. Albuquerque, New Mexico 87108 Ph. 505-268-8828 www.iacivil.com

Mar 23,2012

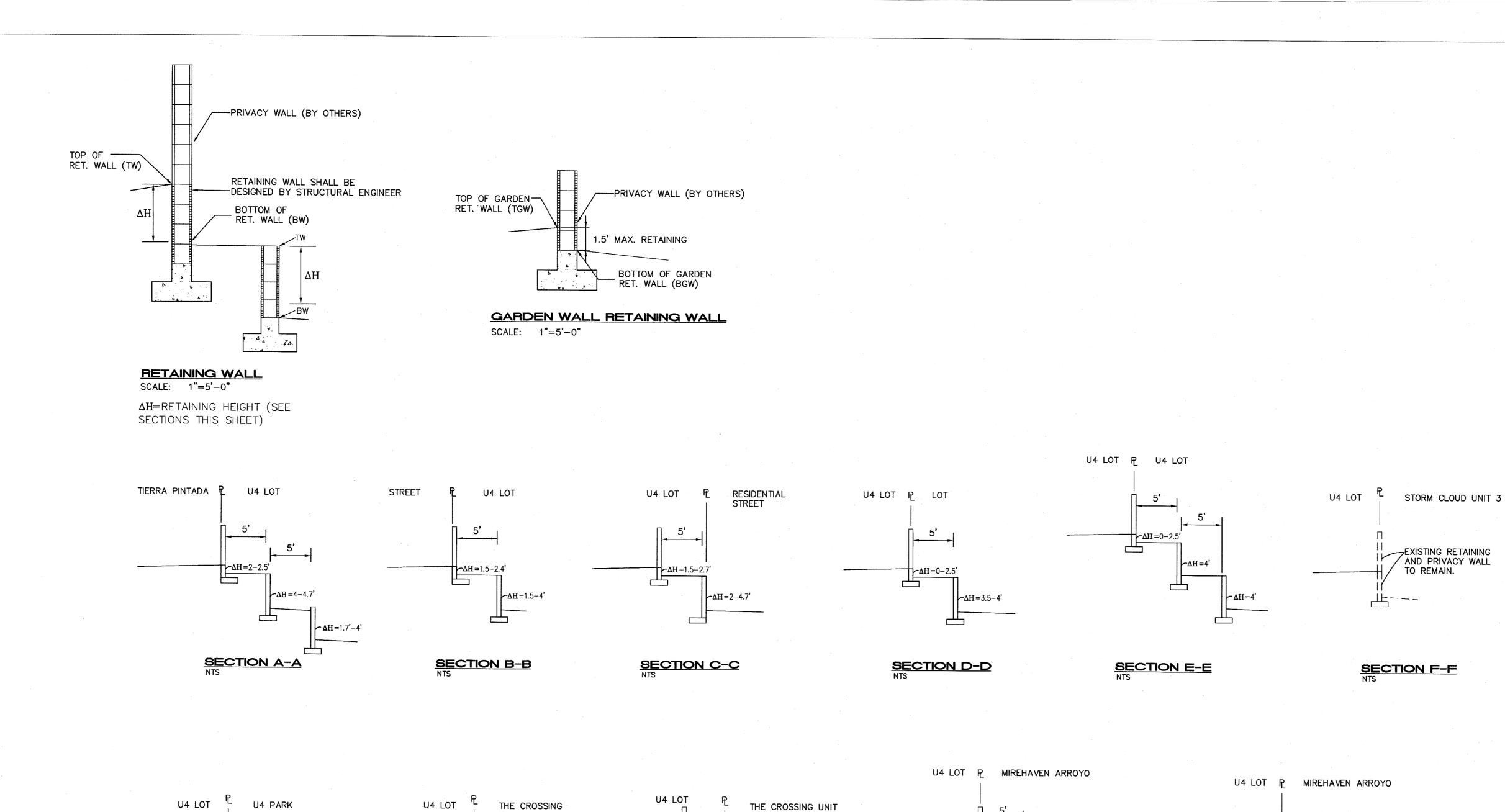
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UNIT 4

WALH, LLC.

RETAINING WALL PLAN

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1A & 2B

TO REMAIN.

SECTION I-I

ΔH=VARIES

EXISTING RETAINING

AND PRIVACY WALLS

 Δ H = 2.2 – 2.4'

SECTION J-J

 $\Delta H = 2.6 - 4.5$

 $\Delta H = 0 - 3.4'$

SECTION K-K

UNIT 1A, 2B & 3

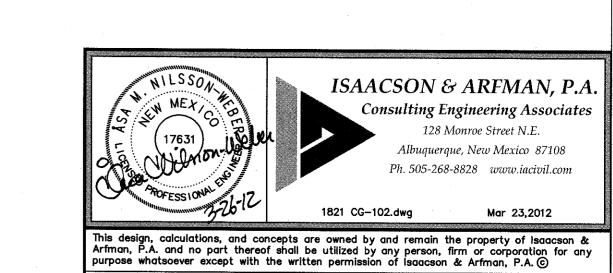
EXISTING RETAINING
AND PRIVACY WALLS
TO REMAIN.

SECTION H-H

 $\Delta H = 0 - 2.9$

SECTION G-G NTS





STORM CLOUD SUBDIVISION

WALH, LLC.

RETAINING WALL SECTIONS

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