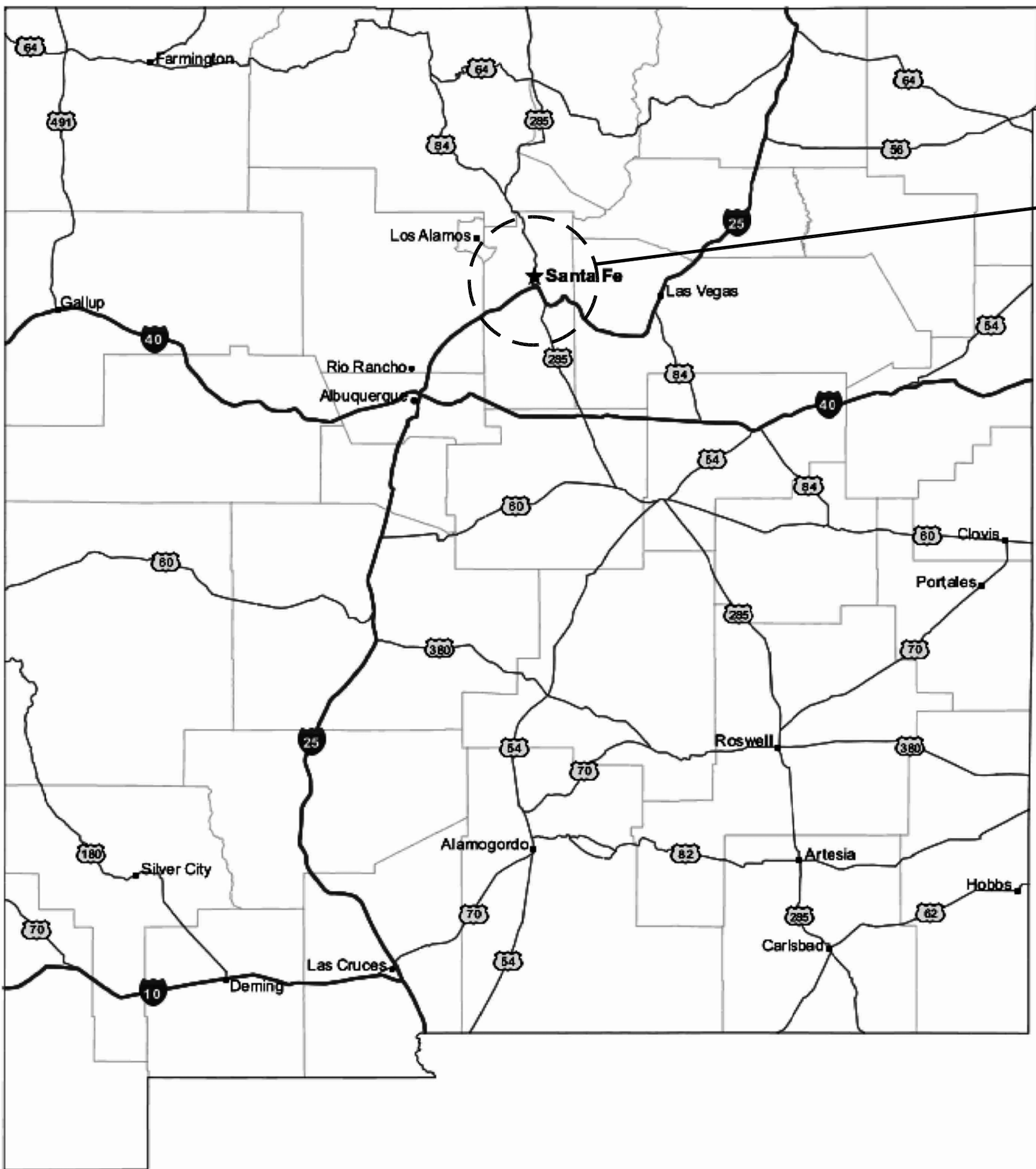


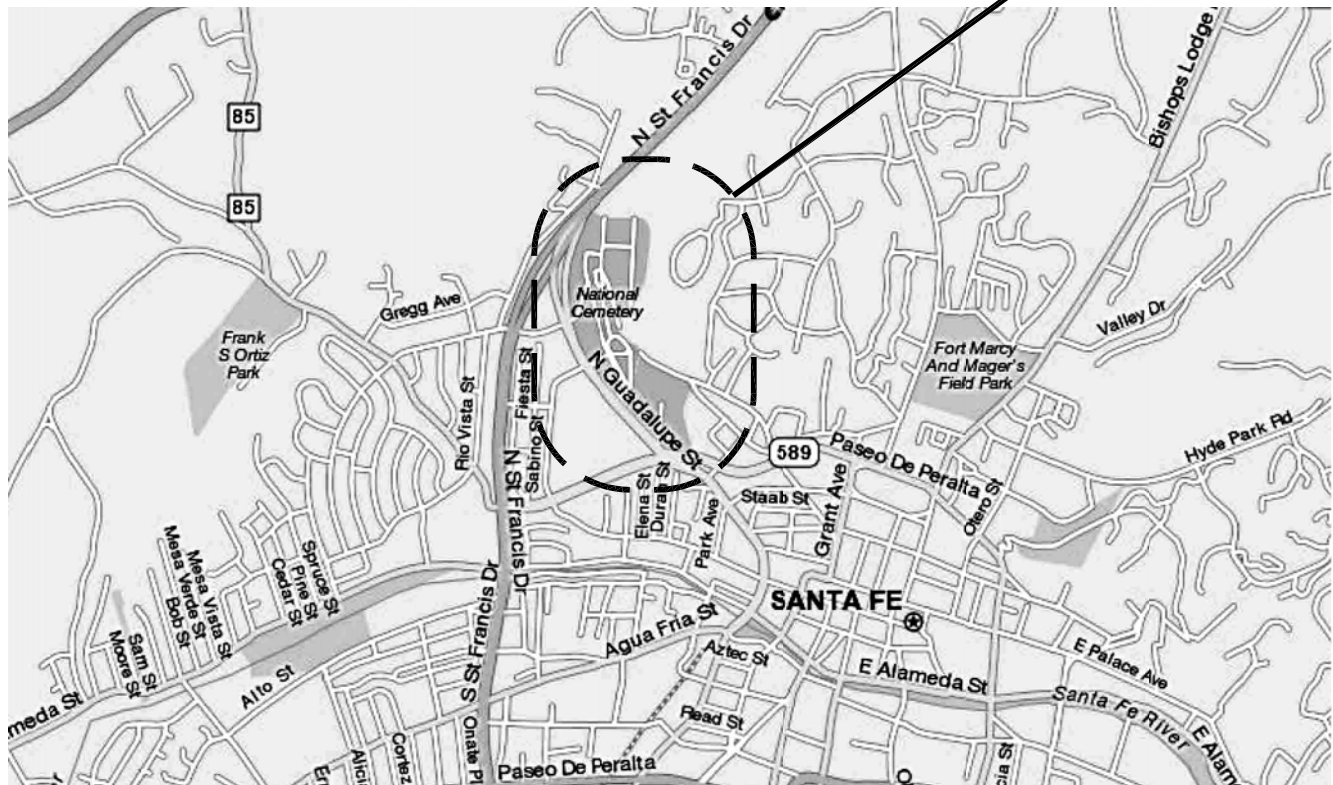
Department Of
Veterans Affairs

SANTA FE NATIONAL CEMETERY
SANTA FE, NEW MEXICO

COLUMBARIA RETAINING WALL ADDITIONS
PROJECT NUMBER 904-15-201



Santa Fe, NM




Santa Fe
National Cemetery

LOCATION MAPS

SHEET INDEX:

- X - 1 TITLE SHEET
X - 2 GENERAL NOTES

L - 1 OVERALL SITE PLAN
L - 2 ENLARGED SITE PLAN - RETAINING WALL LOCATIONS/ LENGTHS
L - 3 RETAINING WALL PLAN, ELEVATION, & SECTION VIEWS

				 NATIONAL CEMETERY ADMINISTRATION		<div>Drawing Title COVER SHEET & SHEET INDEX</div> <div>Approved: Division Chief</div> <div>Approved: Service Director</div>		<div>Project Title COLUMBARIA RETAINING WALL ADDITIONS</div> <div>Building Number *****</div> <div>Location SANTA FE NATIONAL CEMETERY</div>		<div>Date 03/19/2015</div> <div>Project No. 904-15-201</div> <div>DRAWING NO. X-1 Dwg. 1 Of 5</div>	
Revisions		Date									

GENERAL NOTES:

- ALL CONSTRUCTION WITHIN THE NATIONAL CEMETERY SHALL BE CONDUCTED WITH THE EMPHASIS ON PROPER CEMETERY ETIQUETTE AS THIS IS AN ACTIVE CEMETERY. NO DISRESPECTFUL ACTIVITY WILL BE TOLERATED.
- COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE CEMETERY DIRECTOR TO AVOID CONFLICTS AND DISRUPTIONS OF SCHEDULED CEREMONIES AND DAILY CEMETERY OPERATIONS. SEQUENCE WORK AS NECESSARY TO ENSURE DAILY CEMETERY OPERATIONS REMAIN UNINTERRUPTED DURING CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN PROPER SIGNS, BARRICADES, CONES, AND FENCES TO PROPERLY PROTECT THE PUBLIC AND CEMETERY STAFF FROM INJURY. WORK AREAS SHALL BE BARRICADED OFF DURING NON-WORKING HOURS AND WHEN THERE IS NO ACTIVE CONSTRUCTION AT THE SITE.
- THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNAGE AND CONES AT THE LIMITS OF ALL WORK AREAS SHOWING 'DETOUR' AND POINTING VISITOR TRAFFIC AROUND THE CONSTRUCTION ZONE(S). A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR'S REGISTERED PROFESSIONAL LAND SURVEYOR SHALL ESTABLISH AND CONTROL ALIGNMENTS, GRADES, ELEVATIONS, AND CROSS SECTIONS. WHERE NO NEW GRADING OR ELEVATIONS ARE SHOWN ON THE DRAWINGS, CONTRACTOR IS TO LAYOUT AND CONSTRUCT ALL NEW WORK TO MATCH EXISTING GRADING AND ELEVATIONS AND TO ENSURE FULL AND COMPLETE SITE DRAINAGE WITH NO EVIDENCE OF PONDING OR BIRD BATH AREAS IN THE PROJECT AREA.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING THE EXISTING STORM DRAINAGE SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM THE STORM DRAINAGE STRUCTURES AND SYSTEM.
- ANY DAMAGE INCURRED TO EXISTING UTILITIES, IRRIGATION SYSTEM COMPONENTS, INSIDE AND OUTSIDE THE LIMITS OF WORK DUE TO CONTRACT OPERATIONS INCLUDING DAMAGE TO PAVEMENT, CURB AND GUTTER, SIDEWALKS AND OTHER STRUCTURES BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT. IF ANY EXISTING UTILITIES, UTILITY STRUCTURES, OR IRRIGATION SYSTEM COMPONENTS ARE UNCOVERED OR ENCOUNTERED DURING CONSTRUCTION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE, AND SUPPORTED AS NECESSARY.
- ALL AREAS ADJACENT TO THE SITE SHALL BE MAINTAINED IN A CLEAN CONDITION, MUD AND DUST FREE AT ALL TIMES. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. AT THE END OF EACH DAY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ON TO CEMETERY AND PUBLIC STREETS.
- AREAS OUTSIDE OF THE CONSTRUCTION LIMITS IMPACTED BY OPERATIONS OF THE CONTRACTOR SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.
- ALL TREES SHALL BE PROTECTED FROM DAMAGE TO TRUNKS, BRANCHES AND ROOTS.
- ALL DEBRIS, EXCESS SOIL, CONCRETE, ASPHALT, ETC. SHALL BE REMOVED OFF CEMETERY PROPERTY AND PROPERLY DISPOSED OF AT AN APPROVED WASTE DISPOSAL SITE.
- THOROUGHLY CLEAN UP THE WORK AREA AT THE END OF EACH DAY'S WORK, AND AT COMPLETION OF THE PROJECT. LEAVE PREMISES CLEAN AND FREE OF WASTE, SCRAP, USED EQUIPMENT, OR OTHER MATERIAL INTENTIONALLY OR INCIDENTALLY DELIVERED TO THE SITE BY CONTRACTOR OR CONTRACTOR'S PERSONNEL.
- PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SURVEYED ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.

CONCRETE:

- STRUCTURAL CONCRETE SHALL ATTAIN 28 DAY COMPRESSIVE STRENGTH AS REQUIRED IN NOTE #25. MAXIMUM SLUMP SHALL NOT EXCEED 4" INCHES.
- CONCRETE MIX DESIGNS SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER, REVIEWED BY OWNER'S TESTING LABORATORY AND SUBMITTED TO THE COR FOR REVIEW.
- CEMENTITIOUS MATERIALS:
A. CEMENT SHALL CONFORM TO ASTM C-150 TYPE I OR II. FLY ASH SHALL CONFORM TO ASTM C-618.
B. MAXIMUM QUANTITY OF FLY ASH SHALL BE AS GIVEN IN SPECS (15% MAX UNO).
- CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE AND ASTM C-330 FOR LIGHTWEIGHT CONCRETE.
- NON-SHRINK GROUT OR DRYPACK SHALL CONSIST OF A PREMIXED NONMETALLIC FORMULA.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 FOR #4 AND LARGER, AND ASTM A-615 GRADE 40 FOR #3 AND SMALLER, EXCEPT REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A-706. CONTRACTOR SHALL SUBMIT REBAR MILL CERTIFICATES.
- ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL BE DONE IN ACCORDANCE WITH AWS D1.4 LATEST EDITION AND SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY. CONTRACTOR SHALL FURNISH WPS FOR ALL REBAR WELDING TO THE LABORATORY.
- REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION".
- WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF BARS LISTED AND DENOTE CLEAR COVERAGE. NON-PRESTRESSED, CAST-IN-PLACE CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO:

CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)----- 3"
CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS:
#5 AND SMALLER----- 1-1/2"
#6 AND LARGER----- 2"
BEAMS & COLUMNS (TIES)----- 1-1/2"
BEAMS & COLUMNS (MAIN REINFORCING)----- 2"
CAST-IN-PLACE WALLS (EXTERIOR FACE & SOIL SIDE)----- SEE ABOVE
CAST-IN-PLACE WALLS (INTERIOR FACE-#11 & SMALLER)----- 3/4"
TILT-UP WALLS----- SEE DETAILS
SLABS (ON FORMS)----- 3/4"
SLABS (ON GROUND)----- 2" CLEAR FROM TOP UNO

- SPICES IN CONTINUOUS REINFORCEMENT SHALL BE LAPPED UNO, SEE SCHEDULE THIS SHEET. SPICES IN ADJACENT BARS SHALL BE GREATER THAN 5'-0" APART. SPICE CONTINUOUS BARS IN SOIL-BEARING GRADE BEAMS, STRUCTURAL SLABS ON GRADE AND MAT FOUNDATIONS AS FOLLOWS UNO: TOP BARS AT CENTERLINE OF SUPPORT; BOTTOM BARS AT MID-SPAN. SPICE CONTINUOUS BARS IN ELEVATED SLABS AND BEAMS, ETC. AS FOLLOWS UNO: TOP BARS AT MID-SPAN; BOTTOM BARS AT CENTERLINE OF SUPPORT. ALL BARS SIZE #14 AND LARGER SHALL BE CONTINUOUS FOR FULL LENGTH SHOWN OR SPICED WITH MECHANICAL COUPLERS AS NOTED IN DETAILS. SPICES IN WWF

SHALL BE 1-1/2 MESHES WIDE.

- THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL NOT BE LESS THAN THE LARGER OF BAR DIAMETER, 1", OR 33% GREATER THAN THE MAXIMUM AGGREGATE SIZE (NOMINAL), WHICHEVER IS GREATEST. THIS REQUIREMENT ALSO APPLIES TO THE CLEAR SPACING BETWEEN DIFFERENT LAYERS OF PARALLEL BARS AND TO THE CLEAR DISTANCE BETWEEN A CONTACT LAP SPICE AND ADJACENT SPICES OR BARS.
- ALL HOOKS SHALL BE STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED. AT WALLS, PROVIDE HOOKS AT ENDS OF ALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS, UNO.
- CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITANCE REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SAND BLASTING, OR RAKING THE SURFACE TO PROVIDE 1/4" DEEP DEFORMATIONS.
- REMOVE ALL DEBRIS FROM FORMS BEFORE CASTING ANY CONCRETE.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
- ANCHOR BOLTS (AB'S) CAST IN CONCRETE OR MASONRY FOR WALL SILL AND LEDGER APPLICATIONS SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM A307, UNO.
- WALLS SHALL BE CAST IN HORIZONTAL LAYERS OF 2'-0" MAXIMUM DEPTH.
- CONCRETE IN WALLS, PIERS OR COLUMNS SHALL SET AT LEAST 2 HOURS BEFORE PLACING CONCRETE IN BEAMS, SPANDRELS, OR SLABS SUPPORTED THEREON.
- DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH SAME SIZE BAR.
- CONSOLIDATE CONCRETE PLACED IN FORMS BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING OR TAMPING. USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CONCRETE AND PROJECT CONDITIONS. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES HOPPERS AND CHUTES OR TRUNKS OF VARIABLE LENGTHS SHALL BE USED SO THAT THE FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED 6 FEET.
- NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
- PROVIDE #5 X 4'-0" DIAGONAL REINFORCING AT TOP AND BOTTOM OF SLAB AT ALL RE-ENTRANT CORNERS TYPICAL. THIS APPLIES TO SLAB ON GRADE, CONCRETE OVER METAL DECK, AND ELEVATED STRUCTURAL SLAB CONDITIONS.
- ALL SAW CUTTING SHALL BE DONE AFTER INITIAL SET HAS OCCURRED TO AVOID TEARING OR DAMAGE BY THE SAW BLADE, BUT BEFORE INITIAL SHRINKAGE HAS OCCURRED.
- CONCRETE STRENGTHS & MIX PROPERTIES:

ITEM	F'C AT 28 DAYS	MAX AGGR. SIZE	WEIGHT	MAX W/CM* RATIO
A. FOUNDATIONS	3000 PSI	1-1/2"	NW	0.58
B. SLAB ON GRADE	3500 PSI	1"	NW	0.45
C. WALLS, SITE AND MISCELLANEOUS	4000 PSI	1"	NW	0.50

*W/CM = WATER : CEMENTITIOUS MATERIAL RATIO										
REINFORCEMENT LAP SPICE SCHEDULE (All lengths shown are in inches.)										
f'c' = 3000 psi conc										
Splice Class	Reinf Location	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	Top	19	37	47	56	81	93	105	118	131
	Other	15	29	36	43	63	72	81	91	101
f'c' = 3500 psi conc										
Splice Class	Reinf Location	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	Top	18	35	43	52	75	86	97	109	121
	Other	14	27	33	40	58	66	75	84	93
f'c' = 4000 psi conc										
Splice Class	Reinf Location	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	Top	17	32	40	48	70	80	91	102	113
	Other	13	25	31	37	54	62	70	79	87
f'c' = 5000 psi conc										
Splice Class	Reinf Location	#3	#4	#5	#6	#7	#8	#9	#10	#11
B	Top	15	29	36	43	63	72	81	91	101
	Other	12	22	28	33	49	55	63	70	78

NOTES:

- SCHEDULE APPLIES TO NORMAL WEIGHT CONCRETE WITH UNCOATED, GRADE 60 REINFORCING STEEL FOR #4 BARS AND LARGER (VALUES FOR #3 BARS BASED ON GRADE 40).
- TOP REINFORCEMENT IS HORIZONTAL REINFORCEMENT LOCATED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE SPICE.
- WHEN LIGHTWEIGHT CONCRETE IS USED, MULTIPLY LAP LENGTHS BY 1.30.
- WHERE CLEAR SPACING OF BARS BEING SPICED IS LESS THAN 2 BAR DIA. OR WHERE CLEAR COVER OF BARS BEING SPICED IS LESS THAN 1 BAR DIA., MULTIPLY LAP LENGTHS BY 1.50, UNO.
- WHERE NOTES #3 AND #4 OCCUR, MULTIPLY LAP LENGTHS BY 2.00, UNO.
- WHERE CLASS A LAP SPICE IS NOTED IN DETAIL, DIVIDE LENGTHS ABOVE BY 1.30.

HOLLOW CONCRETE UNIT MASONRY (BLOCK):


- CONCRETE BLOCK UNITS SHALL CONFORM TO ASTM C 90-06B WITH A COMPRESSIVE STRENGTH OF UNITS TO BE 1000 PSI FOR GROSS AREA AND 1900 PSI. FOR NET AREA. MAXIMUM LINEAL SHRINKAGE = 0.065%.
- MORTAR SHALL BE TYPE S AND PROPORTIONED IN ACCORDANCE WITH ASTM C 270-07. SITE PREPARED MORTARS SHALL BE TESTED IN ACCORDANCE WITH ASTM C 780. LABORATORY PREPARED MORTARDS SHALL BE TESTED IN ACCORDANCE WITH ASTM C270-07 AND ASTM C 109/C 109M-05 AND OBTAIN AN AVERAGE COMPRESSIVE STRENGTH OF 1800 PSI AT 28-DAYS.
- GROUT SHALL BE IN ACCORDANCE WITH ASTM C 476-02 TO ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 2000 PSI. USE A MINIMUM OF 1 PART PORTLAND CEMENT TO 3 PARTS SAND. AND 1 LB. OF SIKA GROUT AID, OR EQUAL, PER 100LB. OF CEMENTITIOUS MATERIAL. TESTING OF GROUT STRENGTH SHALL BE VERIFIED IN ACCORDANCE WITH ASTM C 1019-05. 1 TO 2 PARTS OF PEA GRAVEL SHALL BE USED WHERE THE LEAST CLEAR CELL DIMENSION EXCEEDS 2 INCHES. NOT MORE THAN 5% OF THE PEA GRAVEL SHALL PASS THE NO. 8 SIEVE AND 100% SHALL PASS THE 3/8" SIEVE.

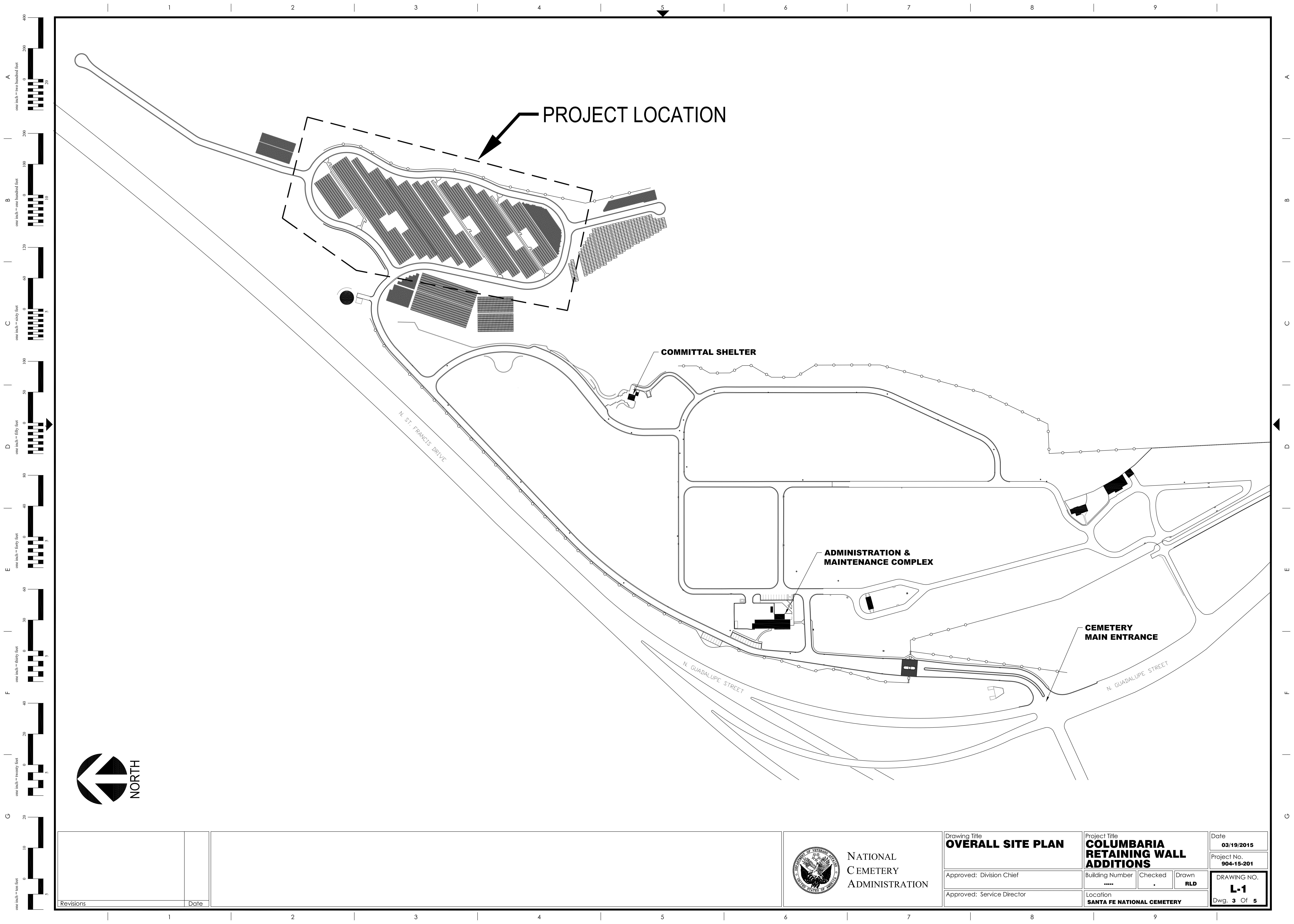
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 FOR #4 AND LARGER, GRADE 40 FOR #3 AND SMALLER.
- MINIMUM REBAR CLEARANCE TO FACE SHELL IS ONE BAR DIAMETER OR 1/2", WHICHEVER IS GREATER.
- BEFORE BLOCK IS PLACED ON CONCRETE, THOROUGHLY CLEAN CONCRETE OF ALL LAITANCE AND ALL LOOSE MATERIAL. ROUGHEN AS IN A CONCRETE CONSTRUCTION JOINT.
- CONCRETE BLOCK MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS. ALL HEAD AND END JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING SUCCESSIVE COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
- VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL.
- LOW-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO 2010 CBC SECTION 2104A.5.1.2.2. HIGH-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO 2010 CBC SECTION 2104A.5.1.2.3 AND DSA IR #21-2.
- CLEAN OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOMS OF ALL CELLS TO BE FILLED AT EACH LIFT OR POUR OF GROUT WHERE SUCH LIFT OR POUR OF GROUT IS IN EXCESS OF 2'-0" IN HEIGHT. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM INSIDE OF ALL CELLS. THE CLEAN OUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING. MECHANICALLY VIBRATE ALL GROUT POURS.
- VERTICAL REINFORCING SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT TO EXCEED 192 BAR DIAMETERS.
- THOROUGHLY CLEAN ALL CELLS AND BOND BEAMS OF MORTAR BEFORE GROUTING.
- ALL CELLS SHALL BE FILLED SOLIDLY WITH GROUT. ALL GROUTING SHALL BE DONE UNDER THE CONTINUOUS OBSERVATION OF A QUALIFIED INSPECTOR.
- WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT 1-1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
- EACH VERTICAL BAR IN WALLS SHALL BE LAPPED PER #21 BELOW WITH A DOWEL OF THE SAME SIZE EXTENDING FROM THE FOUNDATION. LOCATE VERTICAL REINFORCING AT CENTERLINE OF WALL UNLESS SHOWN OR NOTED OTHERWISE. CARRY EACH DOWEL TO WITHIN 3" OF THE BOTTOM OF THE FOUNDATION AND TERMINATE WITH 90 DEGREE HOOK. DOWELS SHALL BE STRAIGHT AND PLUMB.
- PLACE ALL HORIZONTAL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED, STAGGER LAPS MINIMUM OF 5'-0".
- PROVIDE 2 - #5 BARS WITH MATCHING FOOTING DOWELS (FULL HEIGHT OF WALL AT JAMBS AND EXTENDING A MINIMUM OF 2'-0" PAST EDGES OF OPENINGS AT HEAD AND SILL) EACH SIDE OF ALL OPENINGS AND EACH END OF ALL WALLS, UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL EMBEDDED ITEMS (BOLTS, STRAPS, ETC.) SHALL BE SECURED IN PLACE PRIOR TO GROUTING. CUT A HOLE IN THE FACE SHELL TO ATTAIN A MINIMUM OF 1" GROUT ALL AROUND EMBEDDED ITEMS.
- ANCHOR BOLTS CAST IN MASONRY SHALL BE HEADED BOLTS WITH CUT THREADS CONFORMING TO ASTM A307, ASTM A36, OR ASTM F/554 AS INDICATED ON DRAWINGS. BENT BAR ANCHOR BOLTS SHALL NOT BE PERMITTED.
- USE OPEN END BLOCK FOR ALL STACK BOND CONSTRUCTION.
- ALL REBAR SHALL BE LAP SPICED AS FOLLOWS (UNO):

BAR TYPE	LAP LENGTH	NOTES
VERTICAL BARS	48D	SPICES FOR MULTIPLE BARS
HORIZONTAL BARS	48D	IN THE SAME CELL MUST BE STGRD 24" OR LAPPED 62D
JAMB BARS	72D	SPICES FOR MULTIPLE BARS
CHORD BARS/DRAK BARS	72D	IN THE SAME CELL MUST
VERTICAL BARS @ ENDS & CORNERS	72D	BE STGRD 24" OR LAPPED 94D

WHERE EPOXY COATED REBAR IS USED, MULTIPLY LAP LENGTHS BY 1.50.

AT RETAINING WALL CONDITIONS, VERTICAL REINFORCING TO HAVE 72D LAP TYP.

<div>Revisions</div> <div>Date</div>		<div> NATIONAL CEMETERY ADMINISTRATION</div>		Drawing Title GENERAL NOTES		Project Title COLUMBARIA RETAINING WALL ADDITIONS		Date 03/19/2015	
				Approved: Division Chief		Building Number ****	Checked .	Drawn RLD	Project No. 904-15-201
				Approved: Service Director		Location SANTA FE NATIONAL CEMETERY		<div>DRAWING NO. X-2 Dwg. 2 Of 5</div>	

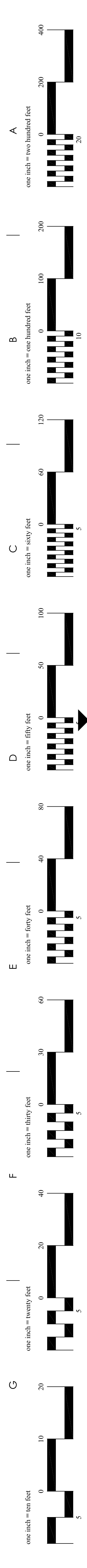
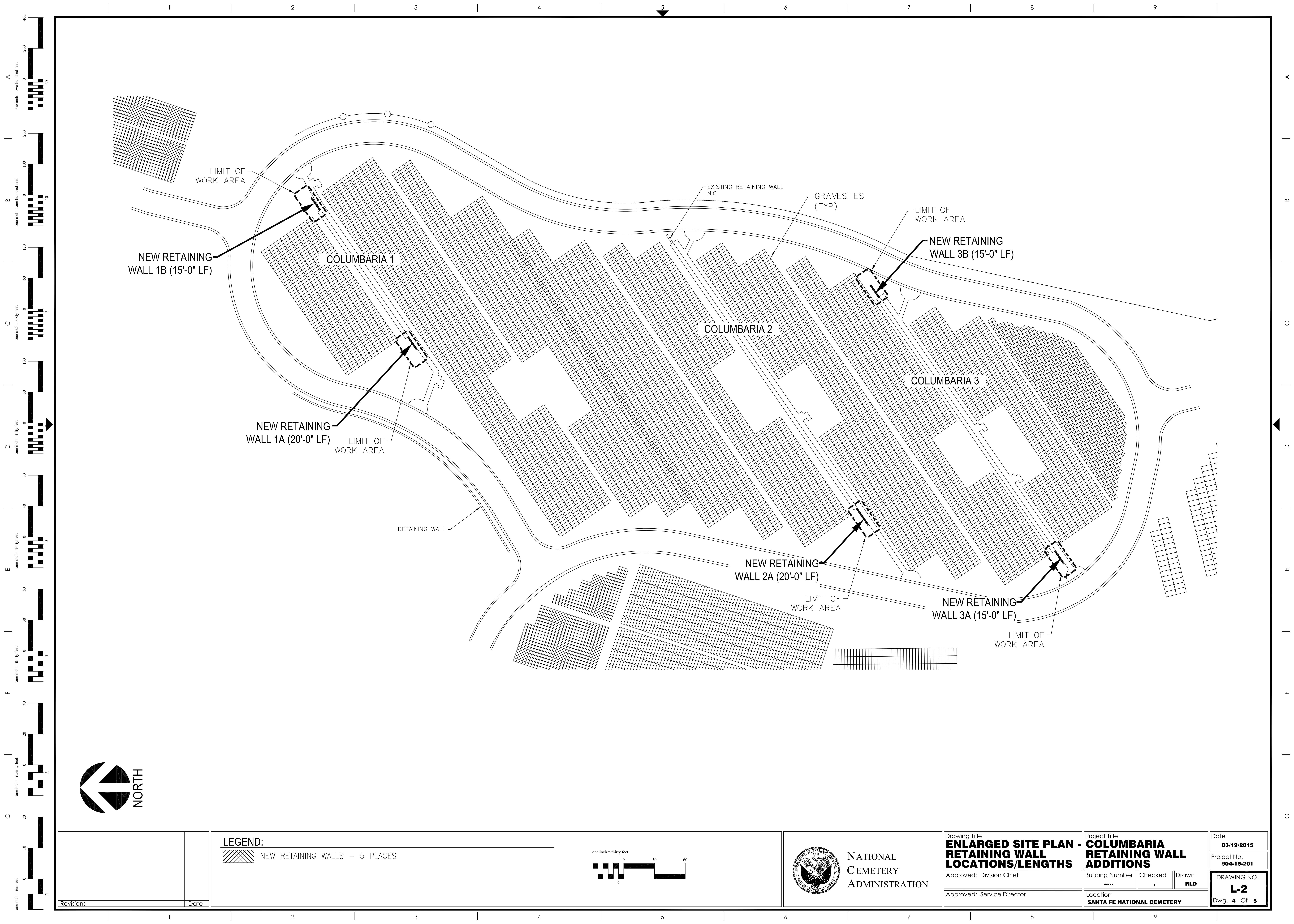


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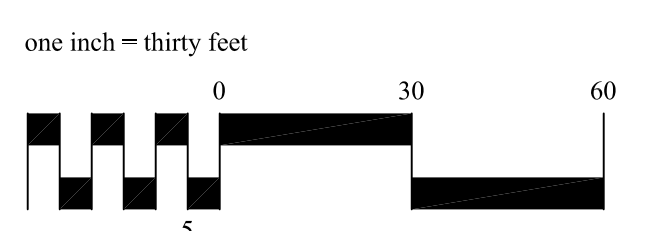
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ADMINISTRATION


Drawing Title OVERALL SITE PLAN		Project Title COLUMBARIA RETAINING WALL ADDITIONS		Date 03/19/2015
Approved: Division Chief		Building Number *****	Checked .	Drawn RLD
Approved: Service Director		Location SANTA FE NATIONAL CEMETERY		Project No. 904-15-201
		DRAWING NO. L-1		Dwg. 3 Of 5



Revisions	Date

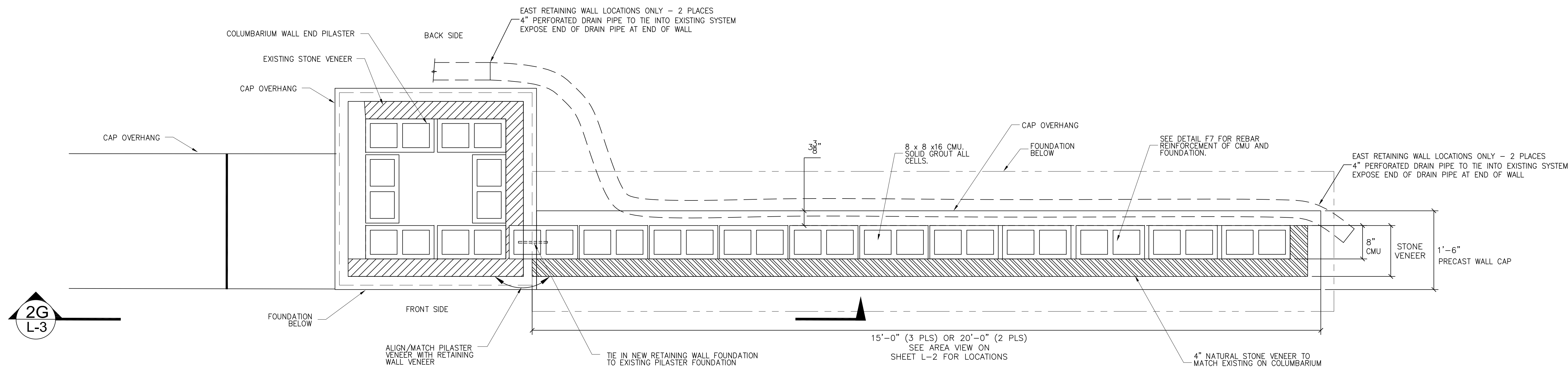
LEGEND:
 NEW RETAINING WALLS - 5 PLACES





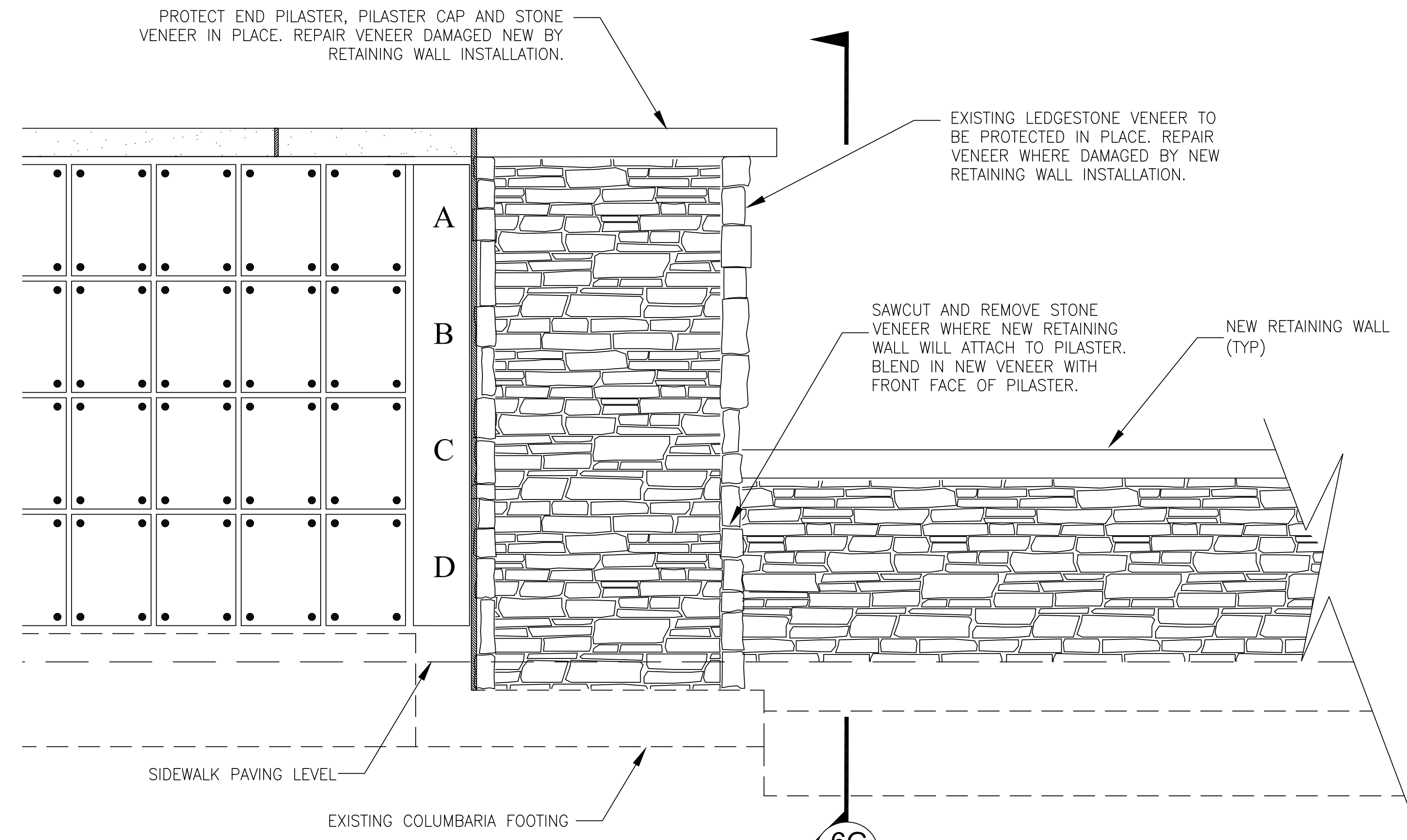
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CEMETERY
ADMINISTRATION

Drawing Title ENLARGED SITE PLAN - RETAINING WALL LOCATIONS/LENGTHS	Project Title COLUMBARIA RETAINING WALL ADDITIONS			Date 03/19/2015
	Approved: Division Chief	Building Number *****	Checked .	Drawn RLD
Approved: Service Director	Location SANTA FE NATIONAL CEMETERY			DRAWING NO. L-2 Dwg. 4 Of 5



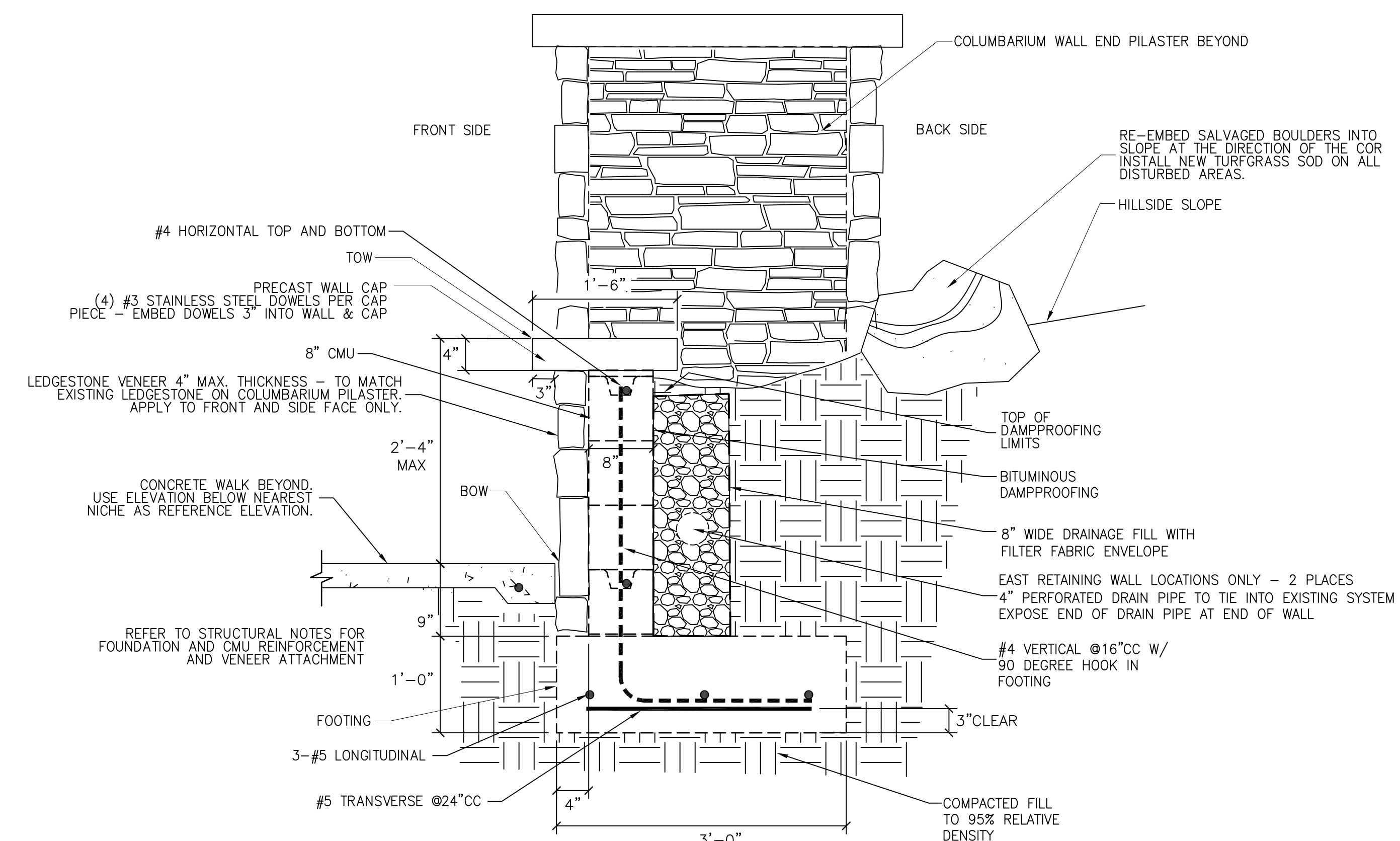
3C
L-3

PLAN VIEW (SHOWING CROSS SECTION)
RETAINING WALL AT END OF COLUMBARIA
SCALE: 1" = 10' - 0"




2G
L-3

ELEVATION VIEW
RETAINING WALL AT END OF COLUMBARIA
SCALE: 1" = 10' - 0"



6G
L-3

SECTION VIEW
RETAINING WALL AT END OF COLUMBARIA
SCALE: 1" = 10' - 0"

<div>Revisions</div>		<div>Date</div>	<div> NATIONAL CEMETERY ADMINISTRATION</div>		<div>Drawing Title RETAINING WALL PLAN, ELEVATION, AND SECTION VIEWS</div> <div>Approved: Division Chief</div> <div>Approved: Service Director</div>	<div>Project Title COLUMBARIA RETAINING WALL ADDITIONS</div> <div>Building Number *****</div> <div>Location SANTA FE NATIONAL CEMETERY</div>	<div>Date 03/19/2015</div> <div>Project No. 904-15-201</div> <div>DRAWING NO. L-3 Dwg. 5 Of 5</div>
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