Full Size or Largest Size
(site plan, landscape, elevations)

TRACT TABLE

TRACT	AREA (SF)	USE
A	42,000	PRIVATE STREETS, PUE
B	73,058	OPEN SPACE, NAOS, DE, WASH
C	5,812	DE, WASH SEDIMENT POND
D	2,366	OPEN SPACE, MONUMENT SIGN, DE (AS SHOWN), SWE, SDE (AS SHOWN), PUE (AS SHOWN)
E	6,475	OPEN SPACE, SWE, SDE (AS SHOWN), PUE (AS SHOWN)
F	22,687	OPEN SPACE, NAOS, DE (AS SHOWN), SWE (AS SHOWN), PUE (AS SHOWN)

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	100.00'	4.30'	02°27'55"	S 28°47'08" W	4.30'
C2	100.00'	36.15'	20°42'39"	S 17°11'51" W	35.95'
C3	20.00'	31.42'	90°00'03"	N 45°03'59" W	28.28'
C4	125.00'	158.50'	72°39'02"	S 35°18'07" W	148.09'
C5	49.16'	55.59'	64°47'07"	N 39°14'05" E	52.67'
C6	900.00'	24.73'	01°34'28"	S 00°52'29" E	24.73'
C7	600.00'	65.15'	06°13'17"	N 03°10'19" W	65.12'

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 30°03'36" E	59.23'
L2	S 00°04'00" E	55.00'
L3	S 12°56'31" W	53.50'
L4	S 89°56'00" W	30.00'
L5	S 00°04'05" E	7.00'
L6	N 00°09'06" W	64.24'

GARAGE WET FLOODPROOFING IN THE FEMA 'AO' FLOOD ZONE

2

1. ALL GARAGES WILL BE WET FLOODPROOFED TO THE REGULATORY FLOOD DEPTH.
2. FLOOD VENTS WILL BE PROVIDED ON TWO (2) GARAGE WALLS TO EQUALIZE THE HYDROSTATIC PRESSURE OF THE FLOODWATER.
3. THE BOTTOM OF THE FLOOD VENTS WILL BE LOCATED WITHIN 12" FROM THE OUTSIDE ADJACENT GRADE.
4. THE TOTAL AREA OF THE FLOOD VENT OPENINGS IN SQUARE INCHES SHALL BE EQUAL TO OR MORE THAN THE TOTAL SQUARE FOOTAGE OF EACH GARAGE TYPE FOR BUILDING TYPES A, B, C, D, ETC.
5. THE PAD ELEVATIONS OF ALL ELECTRO-MECHANICAL EQUIPMENT LOCATED IN THE GARAGE WILL BE SET TO THE REGULATORY FLOOD DEPTH.

2 NOTE: BUILDING SETBACK LINES ADDED, NOT INDIVIDUALLY CLOUDED FOR CLARITY.

NOTE: REVISION 3 SUPERCEDES PREVIOUS REVISION 2 IN THIS AREA.

RETAINING WALL EASEMENT DOC. 2014-0144015, MCR.

Q_{100} = 511 CFS (IN)

Q_{100} = 30 CFS (IN)

Q_{100} = 6 CFS (OUT)

Q_{100} = 511 CFS (OUT)

HW = 1686.0

HW = 1683.4

HW = 1681.2

HW = 1679.0

HW = 1675.6

HW = 1671.3

EX. 2' WALL W/ VIEW FENCE

100-YR FLOODPLAIN LIMITS

TRACT E

TRACT A

TRACT C D.E.

TRACT "C" IRONWOOD VILLAGE 8-C

TRACT "D" IRONWOOD VILLAGE 8-C

TRACT F (NAOS, DE - AS SHOWN)

TRACT B (NAOS, DE)

DETENTION BASIN HW=70.0 BOT.=67.0 D=3' SWE S=0.0074'/'

PROPOSED JUNCTION BOX

LEGACY COVE

CIRCLE

ROCKWOOD DR.

LEGEND

- Property Corner
- Property Line
- Fnd Survey Monument As Noted
- Fnd Brass Cap Flush
- Schedule "B" Item
- 24 inch Vertical Curb & Gutter
- 6 inch Concrete Curb
- Indicates Driveway (means of access)
- Concrete Surface
- Dirt Path
- Fence
- Wall
- Underground Water Line
- Underground Sewer Line
- Underground Electric Line
- Underground Cox Conduit
- Back Flow Preventer
- Electric Box
- Electric Manhole
- Electric Transformer
- Electric Stub
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- Metal Grate
- Sewer Manhole
- TV Junction Box
- Water Meter
- Water Valve
- RIM Manhole Rim Elevation
- INV Manhole Invert Elevation
- P Pavement
- NG Natural Ground
- F/L Flow Line
- (73.50) Top of adjacent curb or s/w
- TRW Top of retaining wall
- BRW Base of retaining wall
- TW Top of wall
- SWE SIDEWALK EASEMENT
- PUE PUBLIC UTILITY EASEMENT
- SW 73.50 TOP OF SIDEWALK
- TF TOP OF FOOTING

GRADING & DRAINAGE CONSTRUCTION NOTES

1. CONSTRUCT CONCRETE SEDIMENT POND. SEE DETAILS SHEET 10.
2. APPLY FLOODWATER SEAL TO WALL WITH LIQUID ELASTOMERIC ACRYLIC SEALER. SEE DETAIL SHEET 9.
3. CONCRETE SPILLWAY. SEE DETAIL SHEET 9.
4. INSTALL DETENTION BASIN BLEED-OFF. SEE DETAIL SHEET 9.
5. CONSTRUCT RETAINING WALL PER ELEVATIONS SHOWN. SEE DETAIL SK3, SHEET S-1 (SHEET 12 OF 12).*
6. CONSTRUCT FENCE WALL PER ELEVATIONS SHOWN. SEE DETAIL SK1, SHEET S-1 (SHEET 12 OF 12).*
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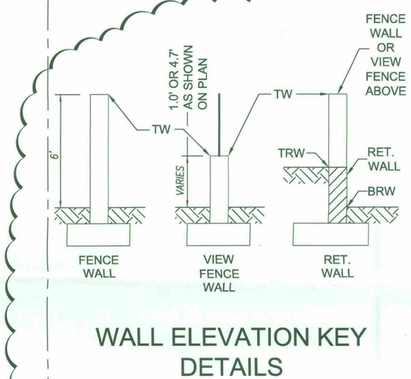
GENERAL GRADING & DRAINAGE NOTES

1. SITE PREPARATION, APPLICATION AND COMPACTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION REPORT BY VANN ENGINEERING INC., PROJECT NO. 22490, DATED DECEMBER 5, 2013.
2. SEE LANDSCAPE PLANS FOR FENCE THEMES, VIEW FENCES, WALL FINISHES, ETC. ALL STRUCTURAL DETAILING OF SHEET S-1 (SHEET 12 OF 12) SUPERCEDES STRUCTURAL DETAILS SHOWN ON THE LANDSCAPE PLANS.



WALL ELEVATION KEY DETAILS (NTS)

1

THE ABOVE DETAILS EXCLUDE THE NORTH PERIMETER WALLS. SEE SITE SECTION 1, SHEET 9.

* ALSO SEE WALL ELEVATION KEY DETAILS ABOVE.

GRAPHIC SCALE

40 0 20 40 80

1"=40 FEET

NOTE

SEE SHEET 3 FOR SITE CROSS SECTIONS

CALL TWO WORKING DAYS BEFORE YOU DIG 602-263-1100 1-800-STAKE-IT (OUTSIDE MARICOPA COUNTY)

14-PP-2013#2 06/10/16

McGill Engineering Corp.
CIVIL ENGINEERS/LAND SURVEYORS/PLANNERS
2910 W. SIERRA STREET
PHOENIX, ARIZONA 85029
Phone:(602) 818-3508
Fax: (480) 595-2297

GRADING & DRAINAGE PLAN

FOR

LEGACY COVE

SCOTTSDALE, ARIZONA

FOR

SONORA WEST DEVELOPMENT INC.

Registered Professional Engineer (Civil) CERTIFICATE NO. 10002 JOSEPH C. McGILL Date Signed 6-10-16

EXPIRES 09/30/2018

JOB NO.	1209
DATE	11-24-2014
DESIGNED	JCM
DRAWN	JB
CHECKED	JCM
HORIZ. SCALE:	1"= 40'
VERT. SCALE:	1"= 2'

SHEET 8 OF 12 SHEETS

14-PP-2013 Q.S.#39-50 PLAN CK.#6127-13-4

TRACT TABLE

TRACT	AREA (SF)	USE
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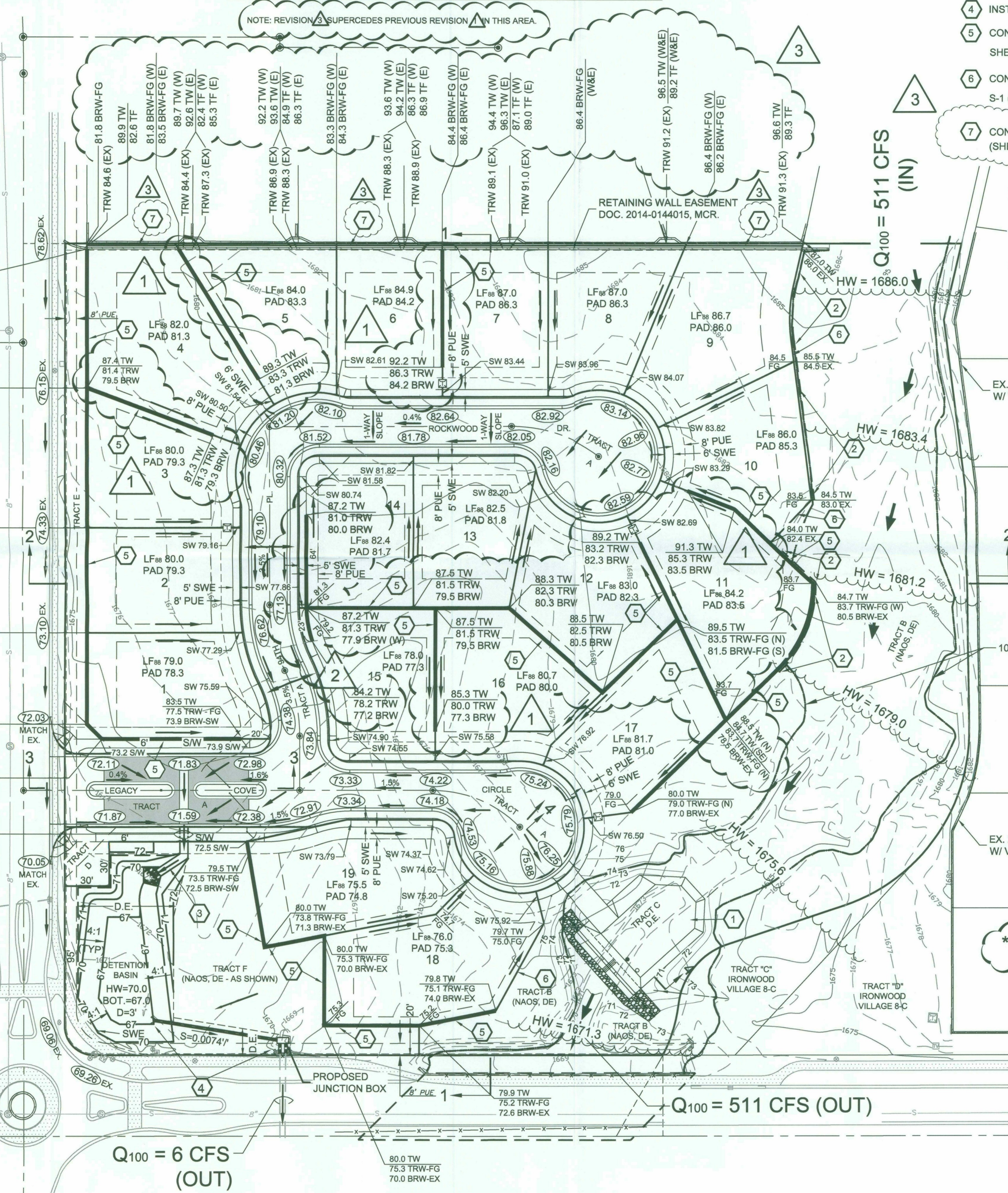

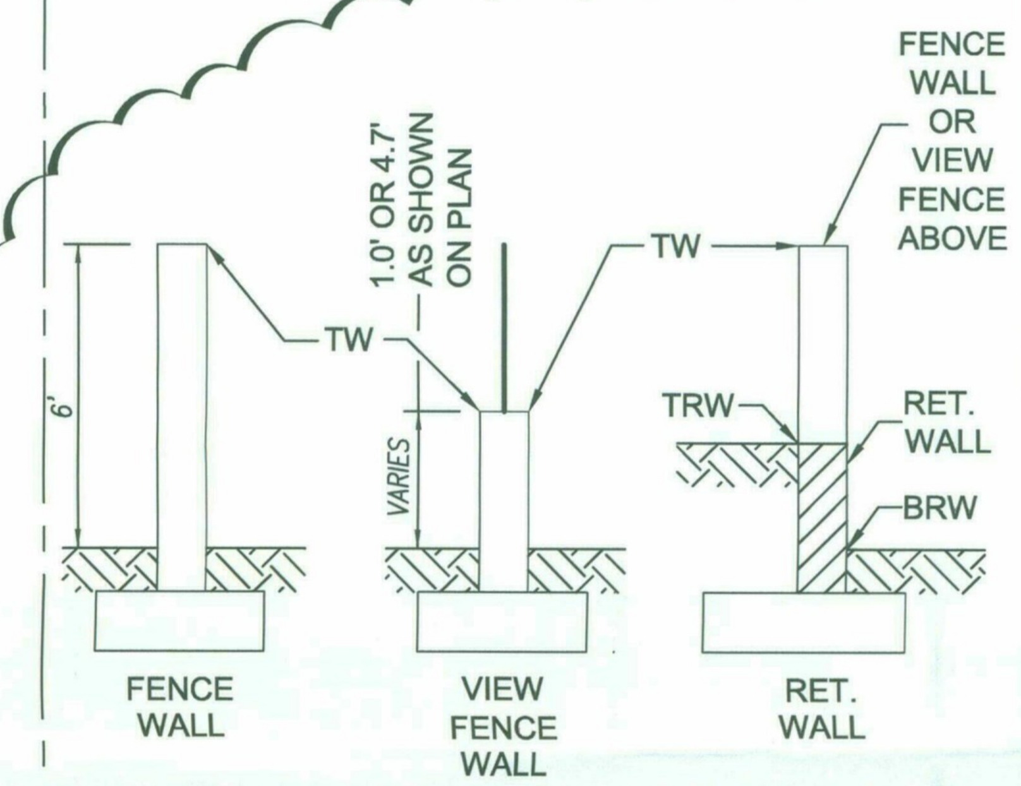

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LEGEND

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- Property Line
- Fnd Survey Monument As Noted
- Fnd Brass Cap Flush
- Schedule "B" Item
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- TW — Top of wall
- SWE — SIDEWALK EASEMENT
- PUE — PUBLIC UTILITY EASEMENT
- SW 73.50 — TOP OF SIDEWALK
- TF — TOP OF FOOTING

GRAPHIC SCALE

0 20 40 80

1"=40 FEET

NOTE

SEE SHEET 3 FOR SITE CROSS SECTIONS

CALL TWO WORKING DAYS BEFORE YOU DIG
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14-PP-2013#2
06/10/16

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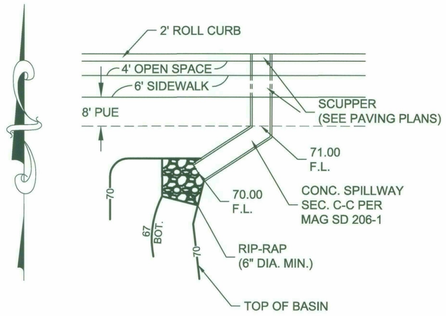
GRADING & DRAINAGE PLAN
FOR
LEGACY COVE
SCOTTSDALE, ARIZONA
FOR
SONORA WEST DEVELOPMENT INC.

Registered Professional Engineer (Civil) CERTIFICATE NO. 10002 JOSEPH C. McGILL Date Signed 5-25-16 ARIZONA, U.S.A.
EXPIRES 09/30/2018

JOB NO.	1209
DATE	11-24-2014
DESIGNED	JCM
DRAWN	JB
CHECKED	JCM
HORIZ. SCALE:	1"= 40'
VERT. SCALE:	1"= 2'

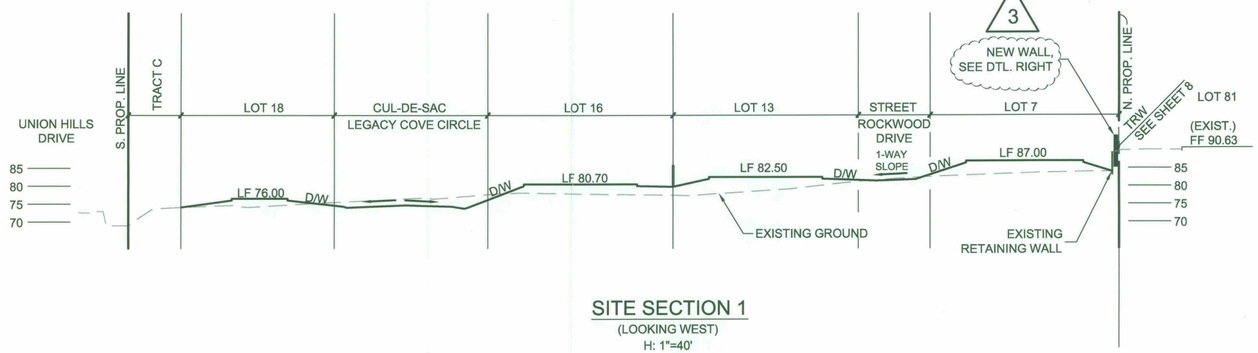
SHEET 8 OF 12 SHEETS

14-PP-2013 Q.S.#39-50 PLAN CK.#6127-13-4



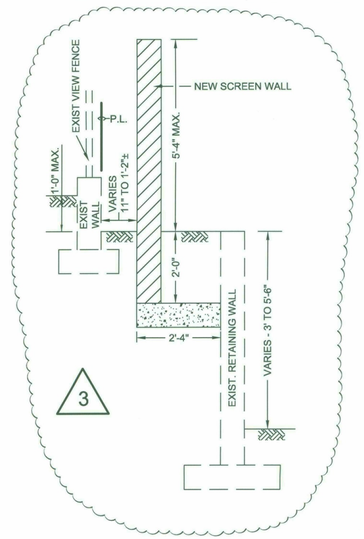
CONCRETE SPILLWAY

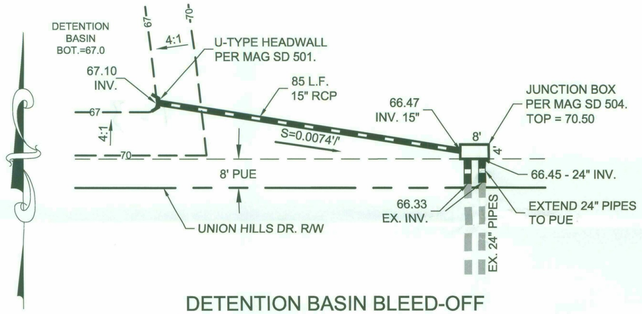
SCALE: 1"=20'



SITE SECTION 1

(LOOKING WEST)
H: 1"=40'
V: 1"=20'





DETENTION BASIN BLEED-OFF

SCALE: 1"=20'

NOTE:
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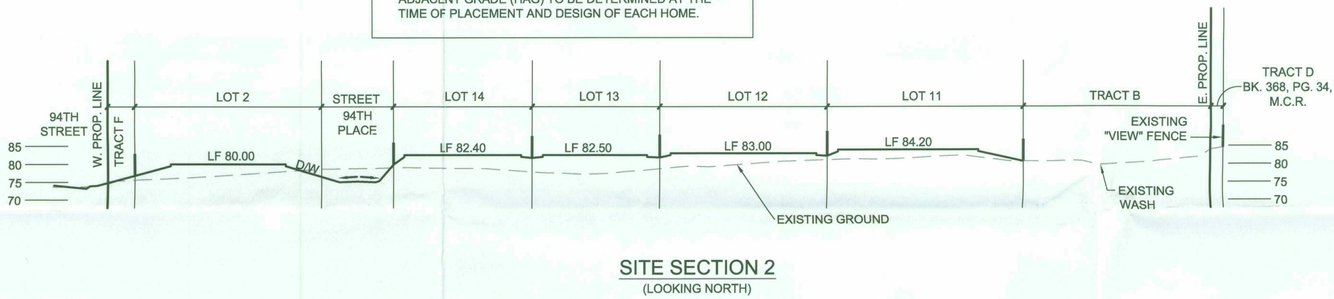
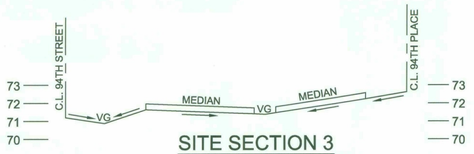


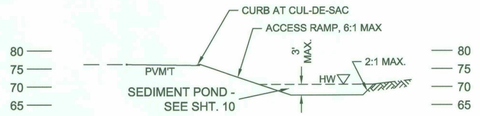
SITE SECTION 2

(LOOKING NORTH)
H: 1"=40'
V: 1"=20'



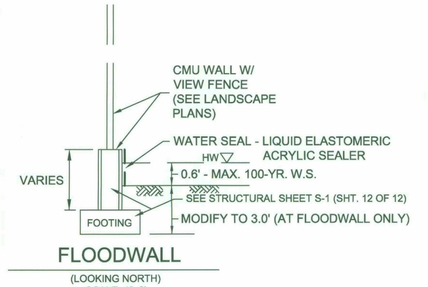
SITE SECTION 3

(LOOKING NORTH)
H: 1"=40'
V: 1"=4'



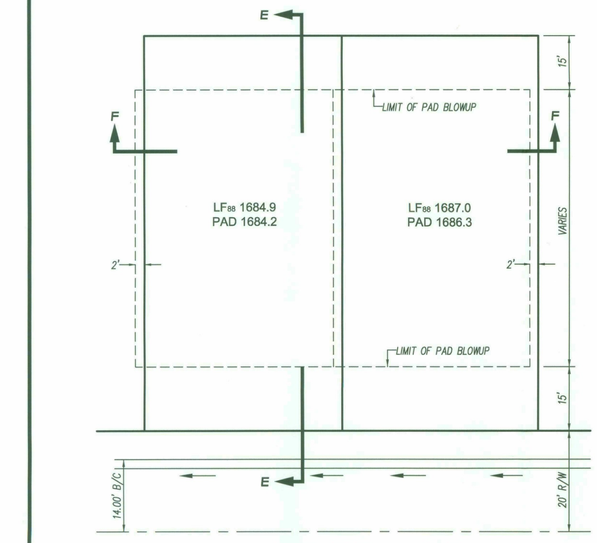
SITE SECTION 4

(LOOKING N.E.)
H: 1"=40'
V: 1"=20'



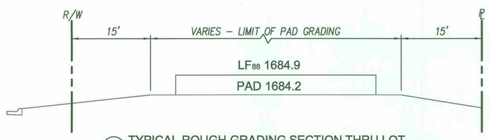
FLOODWALL

(LOOKING NORTH)
SCALE: 1"=2'



TYPICAL LOT ROUGH GRADING DETAIL

NOT TO SCALE

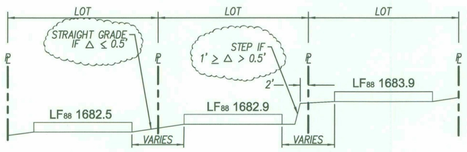


(E) TYPICAL ROUGH GRADING SECTION THRU LOT

NOT TO SCALE

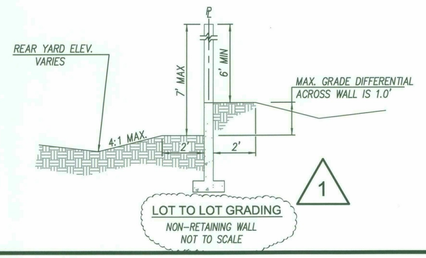
NOTE:
SEE RET. WALLS
IF Δ>1'

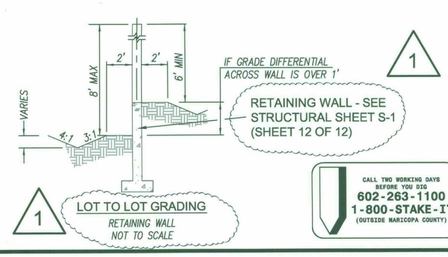
1



(F) YARD TO YARD ROUGH GRADING

NOT TO SCALE





14-PP-2013#2
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FOR
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Registered Professional Engineer (Civil)
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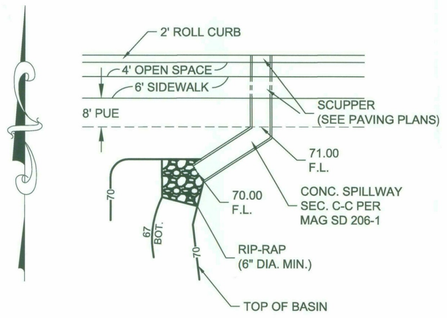
10002
JOSEPH C. McGILL
STATE OF ARIZONA
EXPIRES 09/30/2018

JOB NO.	1209
DATE	11-24-2014
DESIGNED	JCM
DRAWN	JB
CHECKED	JCM
HORIZ. SCALE: 1"=	VARIES
VERT. SCALE: 1"=	N/A

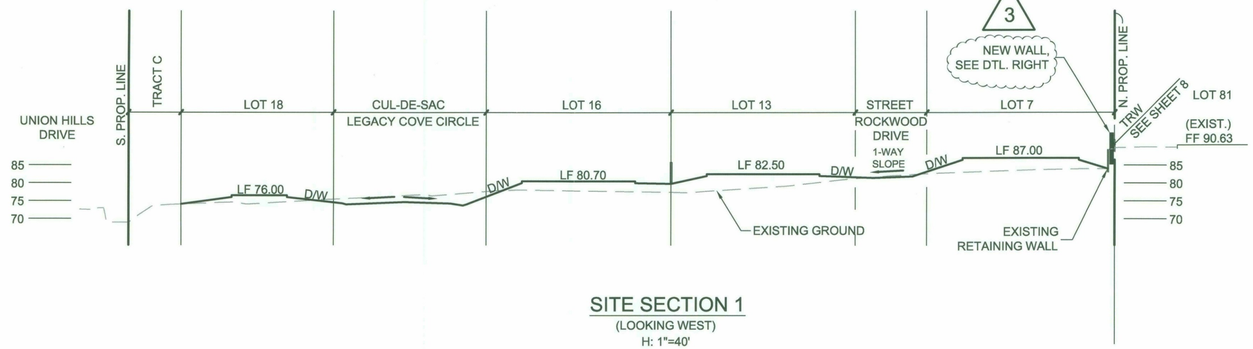
SHEET 9 OF 12 SHEETS

14-PP-2013 Q.S.#39-50 PLAN CK.#6127-13-4



CONCRETE SPILLWAY

SCALE: 1"=20'



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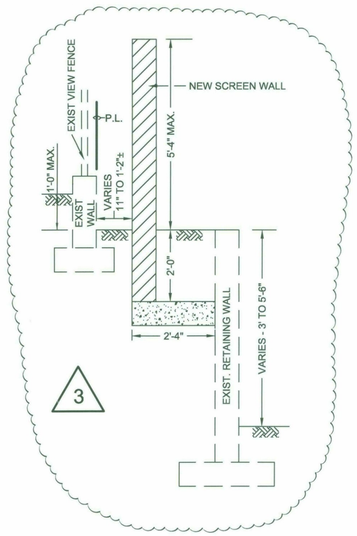

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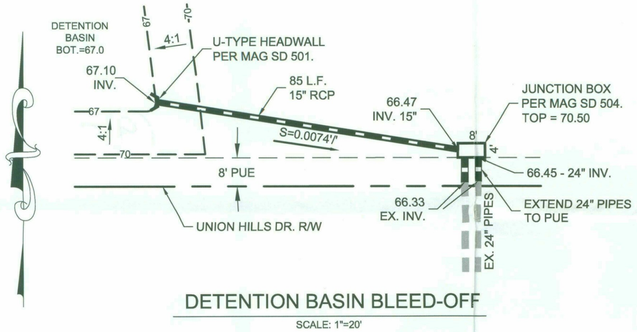

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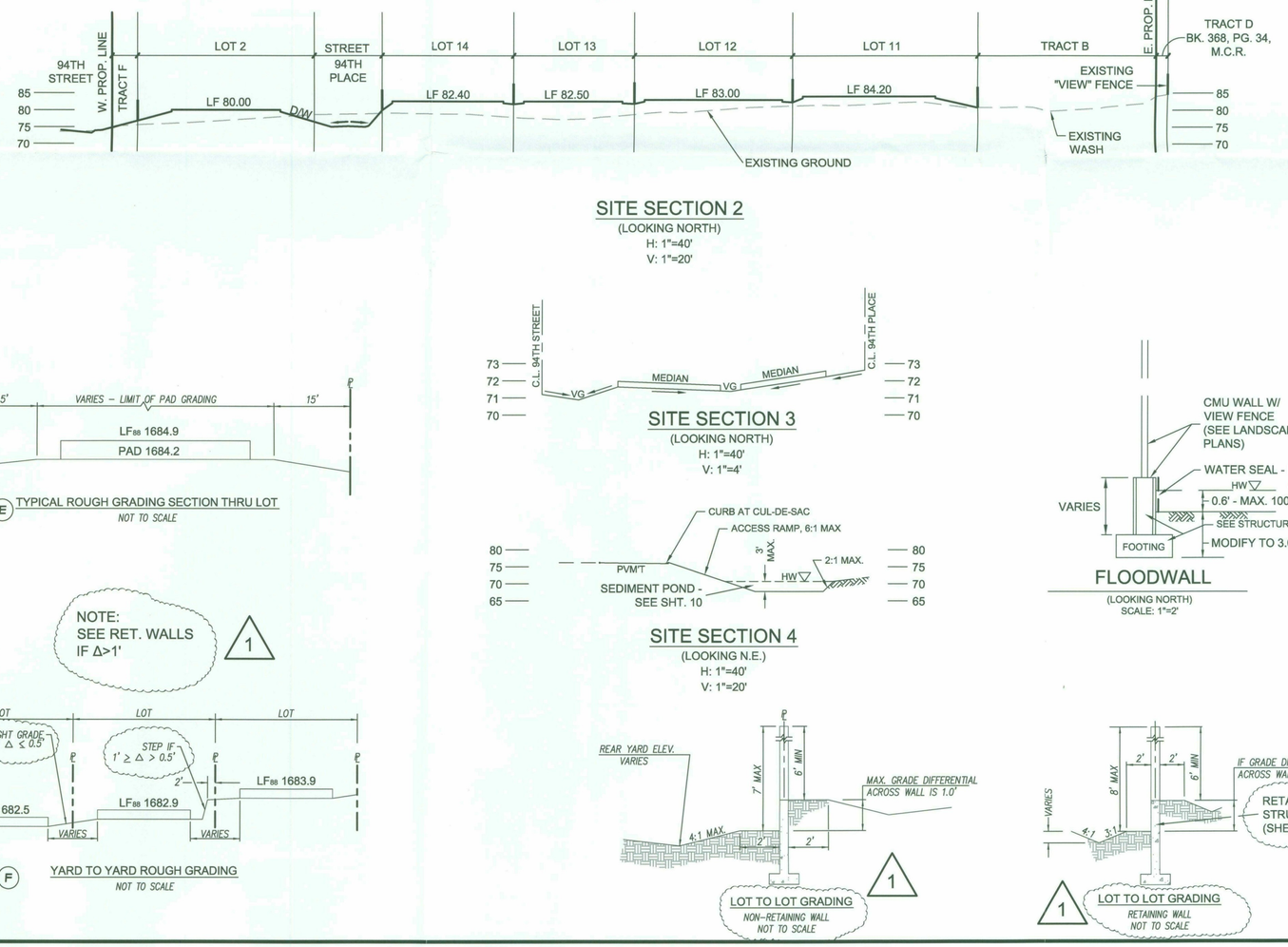


SITE SECTION 2

(LOOKING NORTH)
H: 1"=40'
V: 1"=20'

SITE SECTION 3

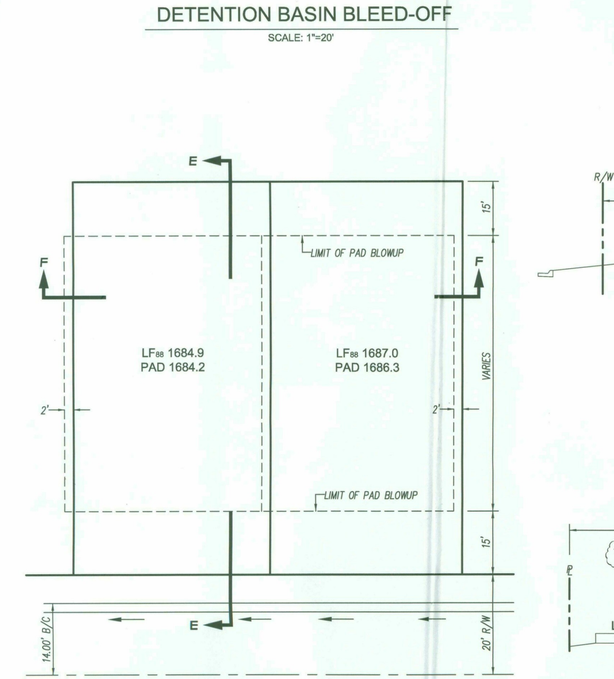
(LOOKING NORTH)
H: 1"=40'
V: 1"=4'

SITE SECTION 4

(LOOKING N.E.)
H: 1"=40'
V: 1"=20'

FLOODWALL

(LOOKING NORTH)
SCALE: 1"=2'



TYPICAL LOT ROUGH GRADING DETAIL

NOT TO SCALE

(E) TYPICAL ROUGH GRADING SECTION THRU LOT

NOT TO SCALE

NOTE:
SEE RET. WALLS
IF Δ>1'

1

(F) YARD TO YARD ROUGH GRADING

NOT TO SCALE

LOT TO LOT GRADING

NON-RETAINING WALL
NOT TO SCALE

LOT TO LOT GRADING

RETAINING WALL
NOT TO SCALE

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

14-PP-2013#2
06/10/16

GRADING & DRAINAGE PLAN - DETAILS

LEGACY COVE
FOR
SCOTTSDALE, ARIZONA
FOR
SONORA WEST DEVELOPMENT INC.

McGill Engineering Corp.
CIVIL ENGINEERS/LAND SURVEYORS/PLANNERS
2910 W. SIERRA STREET
PHOENIX, ARIZONA 85029
Phone: (602) 818-3508
Fax: (480) 595-2297

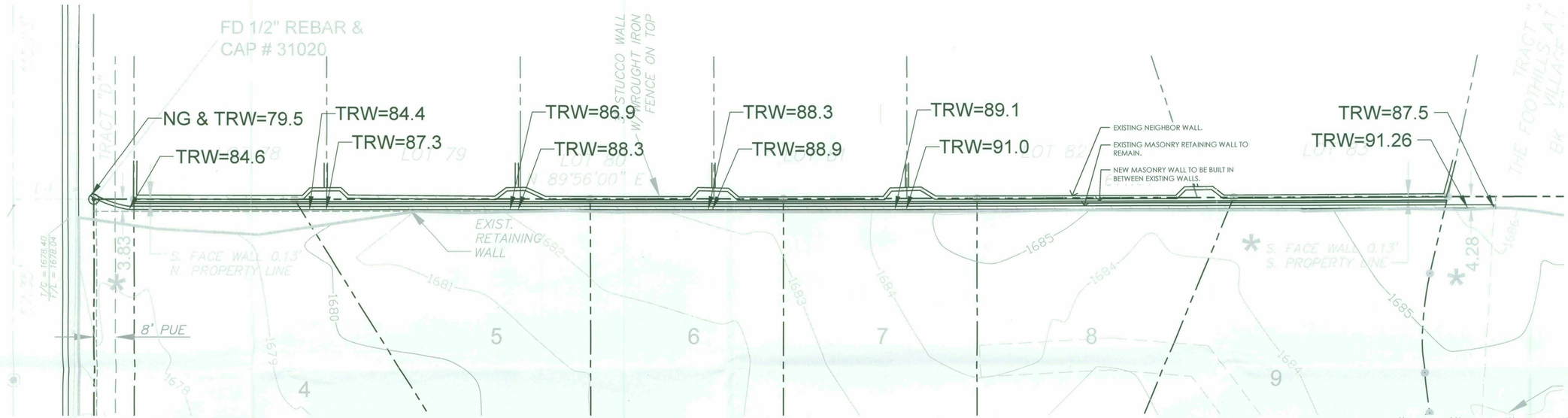
Registered Professional Engineer (Civil)
CERTIFICATE NO.
10002
JOSEPH C. McGILL
State of Arizona

EXPIRES 09/30/2018

JOB NO.	1209
DATE	11-24-2014
DESIGNED	JCM
DRAWN	JB
CHECKED	JCM
HORIZ. SCALE:	1"= VARIES
VERT. SCALE:	1"= N/A

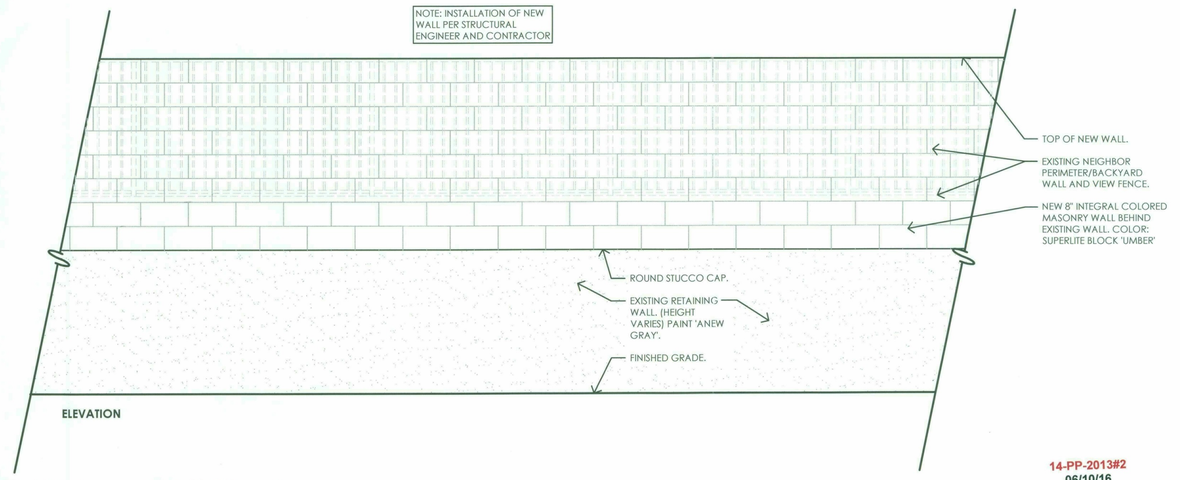
SHEET 9 OF 12 SHEETS

14-PP-2013 Q.S.#39-50 PLAN CK.#6127-13-4 Sections / Details



A *Perimeter Wall Plan*
Scale: 1" = 20'

Scale: 1" = 20'-0"



14-PP-2013#2
06/10/16

B *Perimeter Wall Elevation*
Scale: 1/2" = 1'-0"

GREEY | PICKETT
landscape architecture | community design
7144 e stetson drive, suite 205
scottsdale, arizona 85251
480.609.0009p 480.609.0068f

REGISTERED LANDSCAPE ARCHITECT
CERTIFICATE NO.
28448
RUSSELL E. GREEY
Date Signed 12-30-15
ARIZONA, U.S.A.
Expires 12/31/16

CALL TWO WORKING DAYS BEFORE YOU DIG
(602) 263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

LEGACY COVE

18611,18641 N. 94th St.
SCOTTSDALE, AZ 85255

revisions:

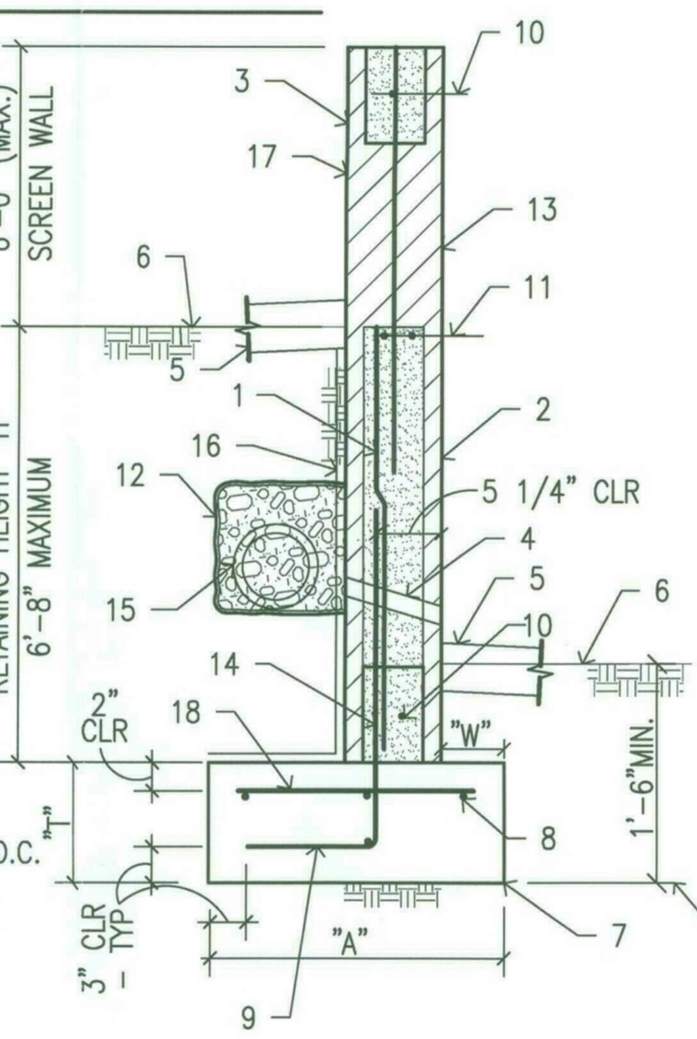
project #: SWD014
scale: AS NOTED
issued for:
drawn by: TEAM
date: 06/08/2016
drawing: WALL PLAN & DETAILS

L6.1

of

DETAIL NOTES

1. "R" VERTICALS PER SCHEDULE –LAP 52 BAR DIAMETERS
2. 8" CMU RETAINING WALL (SOLID GROUT WALLS BELOW GRADE)
3. VERTICAL CONTROL JOINT NOT TO EXCEED 20FT O.C.
4. 1" ø WEEP HOLE AT 6'–0" O.C.
5. CONCRETE SLAB WHERE SHOWN ON PLANS
6. FINISHED GRADE
7. CONCRETE FOOTING PER SCHEDULE
8. "L" LONGITUDINAL BARS
9. STANDARD ACI HOOK – EMBED 9" INTO FTG.
10. (1) #4 CONTINUOUS IN 8" DEEP GROUTED BOND BEAM
11. (2) #4 CONTINUOUS IN 8" DEEP GROUTED BOND BEAM AT 48"O.C.
12. BACKFILL AND DRAIN PER SOILS REPORT
13. LADDER REINFORCING PER G.S.N. AT 16" O.C. HORIZONTALLY
14. "V" FOOTING DOWELS PER SCHEDULE – EXTEND 32" INTO MASONRY ABOVE TOP OF FOOTING
15. PERFORATED DRAIN PIPE BY OTHERS
16. WATERPROOF MEMBRANE AS REQUIRED BY ARCHITECT
17. SCREEN WALL ABOVE GRADE W/#5 VERTS. AT 48"O.C. CAN BE 6" OR 8" CMU. UPPER PORTION CAN BE VIEW FENCE AS WELL – SEE LANDSCAPE PLANS



BOTTOM OF FOOTING SHALL BEAR 3'–0" MIN. BELOW FINISH GRADE AT FLOOD WALL LOCATIONS. REFERENCE SHEET 8 OF THE GRADING & DRAINAGE PLANS FOR ADDITIONAL INFORMATION △1

SK3 8" CMU SITE RETAINING WALL

8" CMU SITE RETAINING WALL SCHEDULE

HEIGHT "H"	"A" FTG. WIDTH	"T" FTG. THICKNESS	"W" TOE WIDTH	"V" FOOTING DOWELS	"R" VERTICAL BARS	"L" LONG. BARS	"K" HEEL REINFORCING (TOP OF FTG.)
0'–0" TO 1'–4"	2'–2"	0'–10"	0'–8"	#5 AT 48" O.C. SOIL SIDE	#5 AT 48" O.C. CENTERED	3 #4 BARS	NOT REQ'D
1'–5" TO 2'–8"	2'–8"	0'–10"	0'–8"	#5 AT 24" O.C. SOIL SIDE	#5 AT 48" O.C. CENTERED	4 #4 BARS	NOT REQ'D
2'–9" TO 4'–0"	3'–2"	1'–0"	0'–8"	#5 AT 24" O.C. SOIL SIDE	#5 AT 48" O.C. SOIL SIDE	4 #4 BARS	#4 AT 32" O.C.
4'–1" TO 5'–4"	4'–0"	1'–0"	0'–8"	#5 AT 16" O.C. SOIL SIDE	#5 AT 32" O.C. SOIL SIDE	5 #4 BARS	#5 AT 24" O.C.
5'–4" TO 6'–8"	4'–6"	1'–0"	0'–8"	#6 AT 8" O.C. SOIL SIDE	#5 AT 24" O.C. SOIL SIDE	6 #4 BARS	#5 AT 18" O.C.

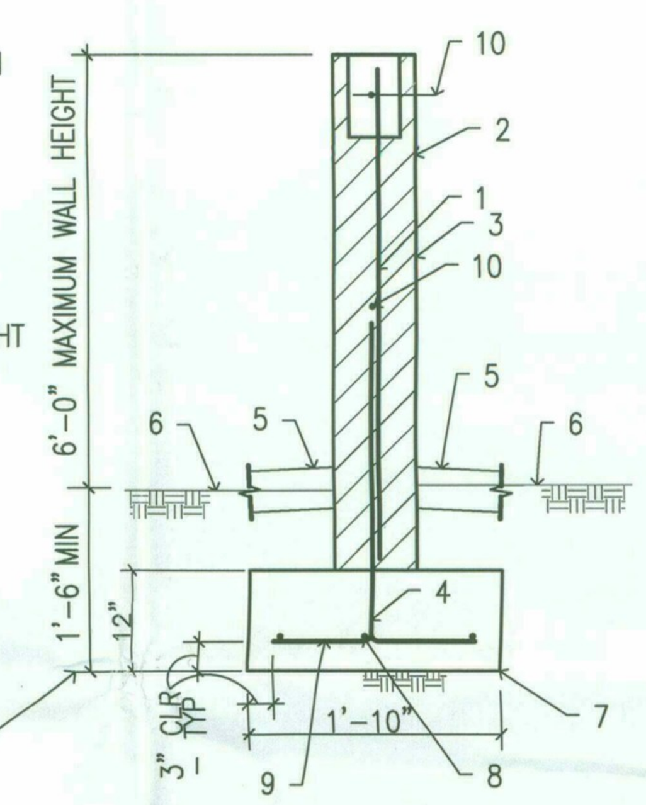
NOTE(S):

1. ACTIVE PRESSURE USED = 34PCF
2. BEARING PRESSURE USED = 1,500PSF X 1.33 = 2,000PSF
3. FRICTION COEFF. USED WITHOUT PASSIVE = 0.62
4. SOIL UNIT WEIGHT = 120PCF
5. FOOTINGS SHALL BEAR 18" MIN. BELOW NEAREST ADJACENT GRADE ON 18" MINIMUM CONTROLLED COMPACTED FILL.

DETAIL NOTES

1. #5 VERTICALS AT 48" O.C.
2. 6" OR 8" CMU FENCE WALL – SOLID GROUT LOWER 2' PORTION OF WALL
3. #9 GAGE LADDER REINFORCING AT 16" O.C. HORIZONTALLY
4. #5 DOWELS AT 48" O.C. WITH 32" EXTENSION INTO WALL ABOVE
5. CONCRETE SLAB AS OCCURS
6. FINISHED GRADE
7. CONCRETE FOOTING
8. 3 #4 CONTINUOUS LONGITUDINAL BARS
9. ALTERNATE BENDS
10. 1 #4 CONTINUOUS IN 8" DEEP GROUTED BOND BEAM AT TOP OF WALL AND MID HEIGHT

NOTE: 6" OR 8" CMU BLOCK CAN BE USED FOR THIS DETAIL. UPPER PORTION OF WALL CAN BE VIEW FENCE OR CAP BLOCK AS OCCURS – SEE LANDSCAPE PLANS.



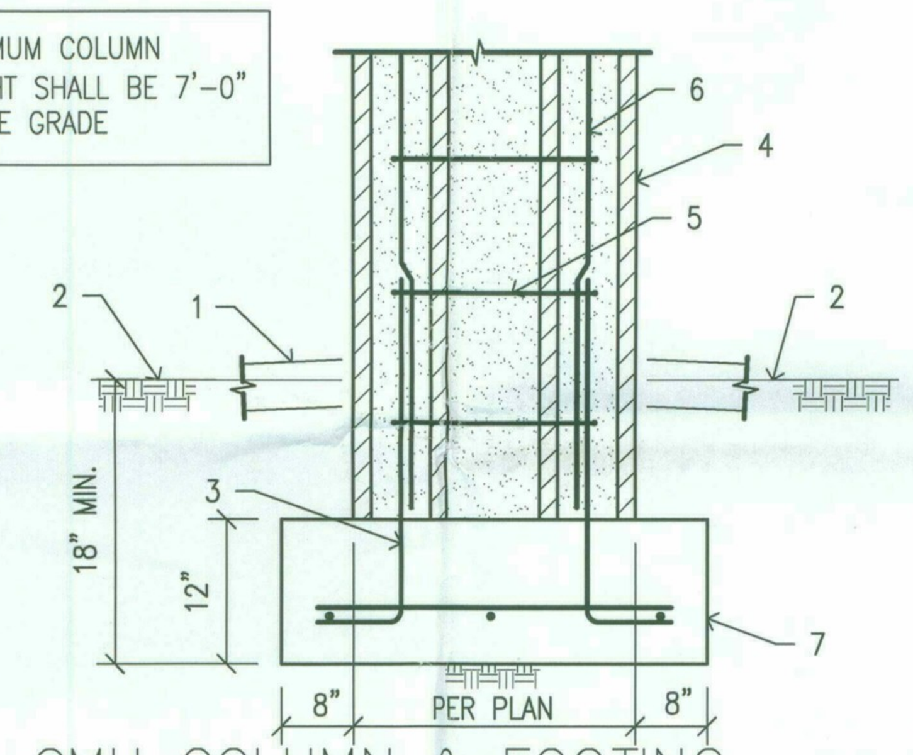
△1 BOTTOM OF FOOTING SHALL BEAR 3'–0" MIN. BELOW FINISH GRADE AT FLOOD WALL LOCATIONS. REFERENCE SHEET 8 OF THE GRADING & DRAINAGE PLANS FOR ADDITIONAL INFORMATION

SK1 6'–0" HIGH CMU FENCE WALL

DETAIL NOTES

1. CONCRETE SLAB WHERE SHOWN ON PLANS
2. FINISHED GRADE
3. (1)#5 VERTICAL FOOTING DOWELS AT CORNERS
4. CMU COLUMN –SOLID GROUT AT REBAR AND BELOW GRADE
5. HORIZONTAL REINFORCING (3)#3TIES AT TOP & (1)#3 TIES AT 16" O.C
6. VERTICALS REINFORCING TO MATCH AND LAP VERTICAL FOOTING DOWELS
7. CONCRETE FOOTING WITH #5 HORIZ. AT 12"O.C. EACH WAY

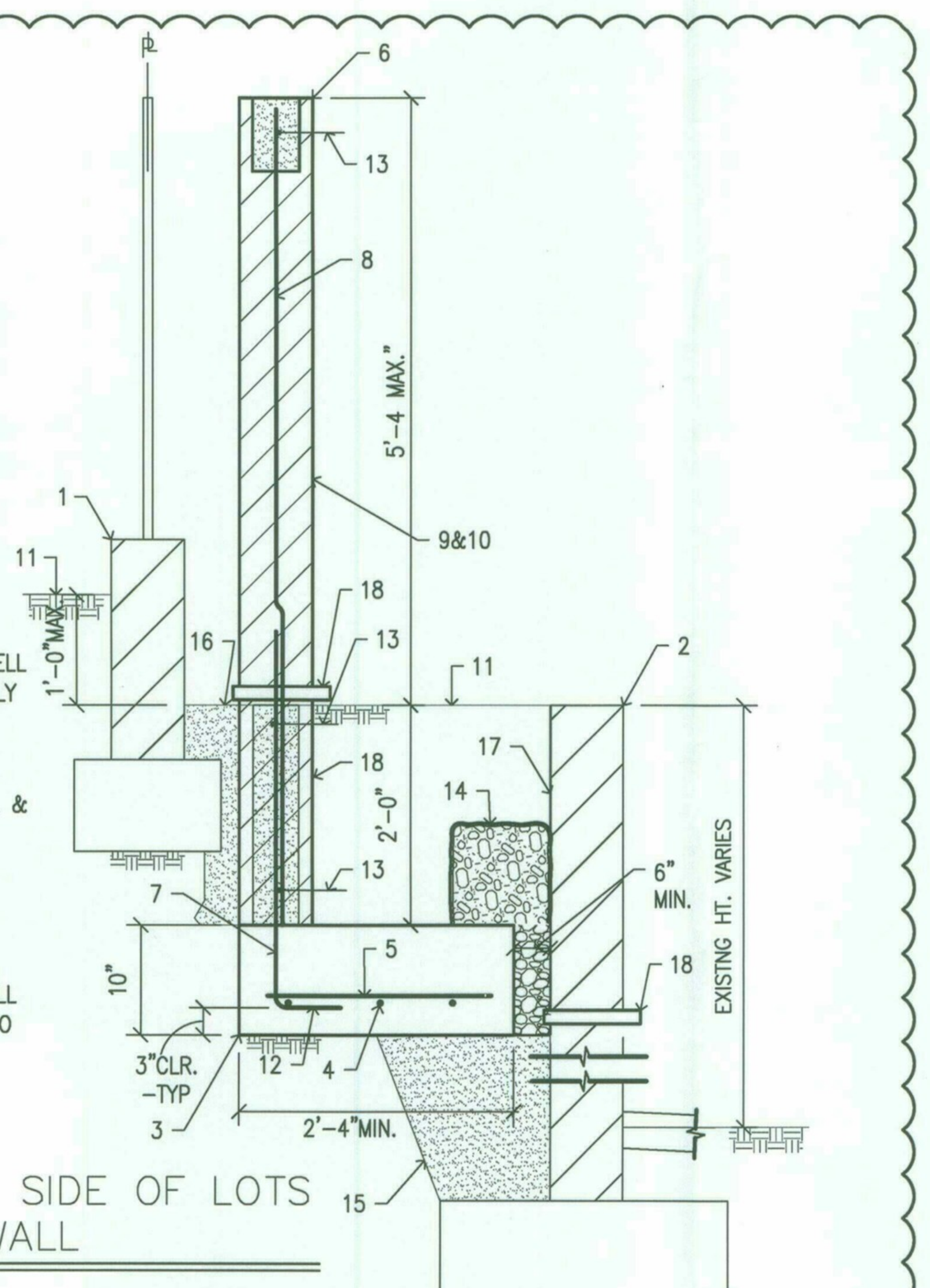
MAXIMUM COLUMN HEIGHT SHALL BE 7'–0" ABOVE GRADE



SK2 CMU COLUMN & FOOTING

DETAIL NOTES

1. EXISTING SCREEN WALL WITH VIEW FENCE TO REMAIN
2. EXISTING RETAINING WALL TO REMAIN
3. CONCRETE FOOTING
4. #4 CONT. HORIZ. BARS AT 12" O.C.
5. #4 TRANSVERSE BARS AT 18"O.C.
6. 8" CMU MASONRY WALL – SOLID GROUT ALL CELLS BELOW GRADE & THAT CONTAIN REINFORCING
7. #5 FOOTING DOWELS AT 24"O.C. – CENTERED IN CELL. EXTEND 32" MIN. ABOVE TOP OF FOOTING
8. #5 FULL HT. VERT. BARS AT 48"O.C. – CENTERED IN CELL
9. 9 GAGE HORIZ. JOINT REINFORCING AT 16"O.C. VERTICALLY
10. VERTICAL CONTROL JOINTS NOT TO EXCEED 20FT O.C.
11. LEVEL FINISH GRADE
12. STAND ACI HOOK EMBEDDED FULLY INTO FOOTING
13. (1)#4 CON. IN 8" BOND BEAM AT TOP & BTM. OF WALL & TOP OF RETAINING
14. ROCK POCKET WITH 40% VOIDS
15. EXCAVATE ABOVE HEEL OF EXISTING RETAINING WALL FOOTING AND REPLACE BACKFILL WITH A 2 SACK ABC/CEMENT SLURRY MIXTURE UP TO BOTTOM OF NEW FOOTING.
16. BACKFILL BETWEEN EXISTING SCREEN WALL AND NEW WALL WITH 2 SACK ABC/CEMENT SLURRY MIXTURE – SLOPE TO DRAIN AS REQUIRED
17. WATER PROOFING BY OTHERS
18. 2"ø WEEP HOLES AT 6FT O.C.



SK LEGACY COVER NORTH SIDE OF LOTS PROPERTY LINE SITE WALL

△3 △4

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE 2012 INTERNATIONAL BUILDING CODE.

WIND: ULTIMATE WIND SPEED = 115 MPH – 3 SEC. GUST, EXPOSURE "C" ASD WIND PRESSURE ON SITE WALLS = 15 PSF

SEISMIC: DESIGN CATEGORY "B"

FOUNDATION NOTES:

1. ALL SURFACE LEVEL FOUNDATIONS SHALL BEAR ON 18" MINIMUM CONTROLLED COMPACTED FILL AT 1.5 FEET BELOW THE LOWEST ADJACENT FINISH GRADE WITHIN 5.0 FEET. ALLOWABLE SOIL BEARING CAPACITY= 1,500 PSF X 1.33= 2,000 PSF. REFERENCE THE PROJECT GEOTECHNICAL INVESTIGATION REPORT PREPARE BY VANN ENGINEERING, INC. PROJECT #22490 FOR ALL EARTHWORK REQUIREMENTS FOR THIS PROJECT. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEOTECHNICAL ASPECTS OF THIS PROJECT.

SPECIAL INSPECTIONS:

1. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED INSPECTOR APPROVED BY THE ARCHITECT AND THE BUILDING OFFICIAL.
2. SPECIAL INSPECTION IS REQUIRED DURING THE FOLLOWING OPERATIONS PER IBC CHAPTER 17.

   A. MASONRY: VERIFICATION OF IN-PLACE REINFORCING STEEL, PLACEMENT OF GROUT AND TESTING OF MASONRY PRISMS.

3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

   A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
   B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE ENGINEER OR ARCHITECT OF RECORD AND THE BUILDING OFFICIAL.
   C. UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

MASONRY NOTES:

1. MASONRY WORK SHALL CONFORM TO ALL REQUIREMENTS OF IRC AND ACI 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES". REINFORCE WITH #5 VERTS AT 32" O.C. AND AT ALL CORNERS, WALL ENDS, JAMBS AND EACH SIDE OF CONTROL JOINTS. SEE TYPICAL REINFORCING SCHEDULE ON SHEET S2.0 – TYPICAL U.N.O.
2. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N, TYPE I, F'm = 1500 PSI, NET COMPRESSIVE STRENGTH OF 1900 PSI PER ASTM C140, RUNNING BOND.
3. MORTAR SHALL CONFORM TO ASTM C270, TYPE S WITH 28 DAY COMPRESSIVE STRENGTH OF 1800 PSI, TESTED PER UBC STANDARD 21–16. MASONRY CEMENT, PRE-MIXED MORTAR AND RETARDANT ADDITIVES SHALL NOT BE USED.
4. GROUT SHALL CONFORM TO ASTM C476, FINE OR COARSE GROUT, WITH 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI, TESTED PER UBC STANDARD 21–18. GROUT SHALL BE FREE OF FLY ASH AND/OR CHLORIDE.
5. ALL CELLS AND COURSES WITH REINFORCING AND ADDITIONAL GROUT SPACES AS REQUIRED BY THE DRAWINGS SHALL BE FILLED SOLID WITH GROUT. MAXIMUM GROUT LIFT 6'–0" WITH EACH GROUT POUR STOPPING 1-1/2 INCHES BELOW THE TOP COURSE OF LIFT. PROVIDE CLEANOUTS IF GROUT LIFT EXCEEDS 4'–0". PLACE GROUT CONTINUOUSLY. DO NOT INTERRUPT GROUTING FOR MORE THAN ONE HOUR. MECHANICALLY VIBRATE GROUT IN VERTICAL SPACES IMMEDIATELY AFTER POURING AND AGAIN ABOUT 5 MINUTES LATER. RODDING OF GROUT IS NOT ACCEPTABLE.

PH STRUCTURAL, INC.
CONSULTING STRTUCTURAL ENGINEERS
2929 N. POWER RD., SUITE 101, MESA 85207
P:480-854-3343 dominic@phstructural.com

Registered Professional Engineer (Structural) CERTIFICATE NO. 39565 DOMINIC H. PETROCELLI 05/27/16 Date Signed ARIZONA U.S.A.
EXP. 9/30/2018

SEAL:

PROJECT: LEGACY COVE
MASONRY SITE AND RETAINING WALLS

ADRESS: NEC 94TH STREET AND UNION HILLS DRIVE
SCOTTSDALE, ARIZONA

REVISIONS:

△1 CITY COMMENTS 04/16/14
△3 OWNER REVISION 4/4/16
△4 CITY COMMENTS 05/27/16

DATE SUBMITTED:	2/13/14
DRAWING SCALE:	N.T.S.
CHECKED BY:	DHP
DRAWN BY:	DHP
PROJECT No:	PH14018

SHEET TITLE: STRUCTURAL DETAILS

SHEET NO: S-1

(SHEET 12 OF 12)

14-PP-2013 Q.S. #39-50 PLAN CK. #6127-13-4 Structural