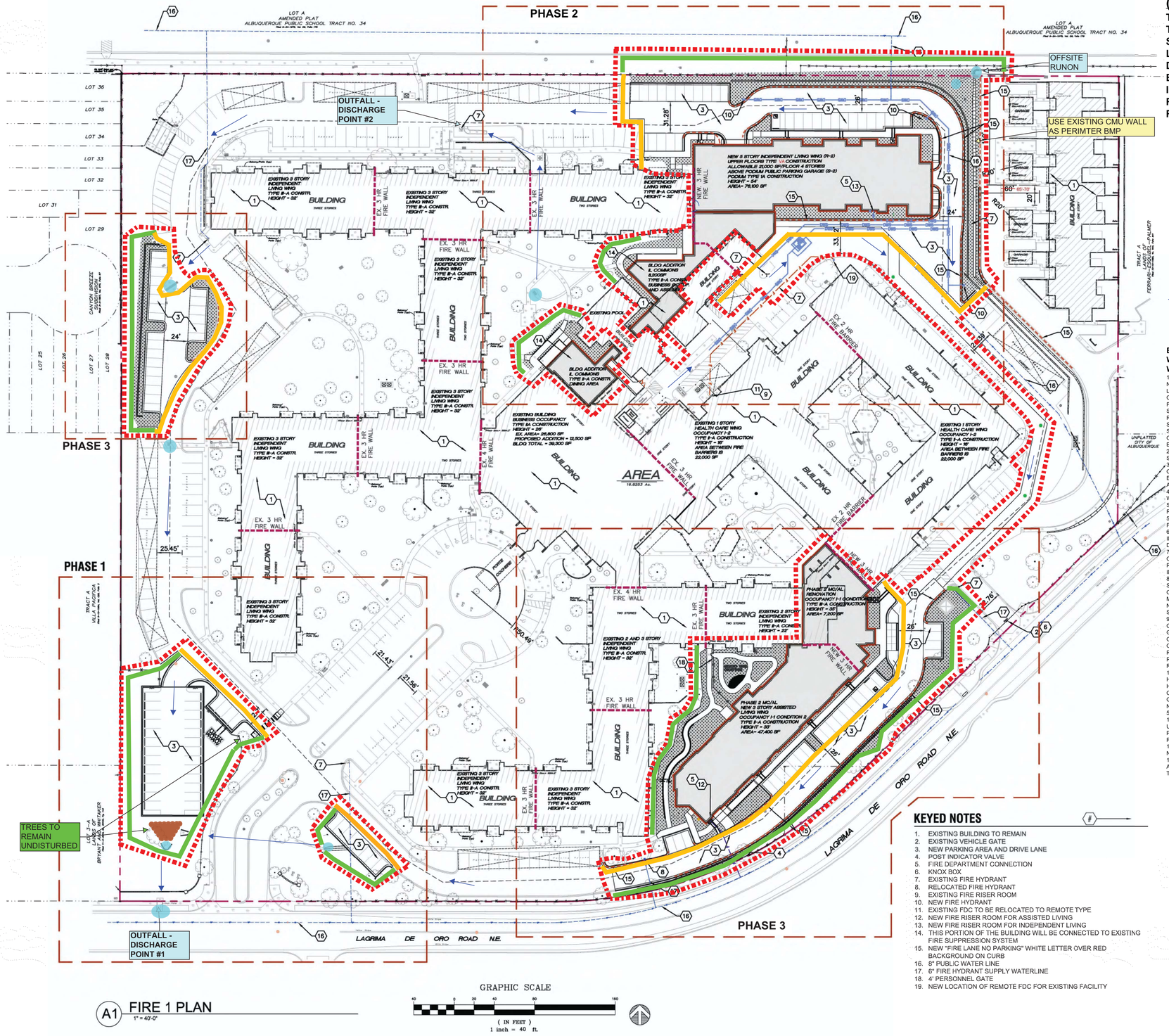


A1 FIRE 1 PLAN
1" = 40'-0"

A6 ZONE ATLAS PAGE F-21
NOT TO SCALE

EROSION AND SEDIMENT CONTROL PLAN (ESC PLAN)

TOTAL SITE ACRES 19.4 ACRES
TOTAL DISTURBED AREA 6.6 ACRES
SEE THIS SHEET FOR PROJECT PHASING, BMP LOCATIONS / TYPE. SEE SHEETS ESC 102 - ESC 109 FOR DEMOLITION, TOPOGRAPHY / COUTOUR DETAILS AND ESC 110 FOR BMP DETAILS WITH INSTALLATION, INSPECTION AND MAINTENANCE REQUIREMENTS. REFER TO SITE SWPPP FOR ADDITIONAL COMPLIANCE REQUIREMENTS

ESC LEGEND

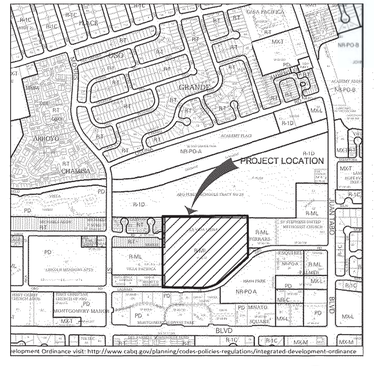
- LIMITS OF DISTURBANCE
- PERIMETER BMP / FILTER SOCK
- GRAVEL / PAVEMENT SOCK
- INLET / OUTLET PROTECTION
- SANITARY TOILET (TBD)
- WASTE CONTAINER (TBD)
- CONCRETE WASHOUT (CWA) (TBD)
- FLOW ARROW
- SEDIMENT TRAP

EROSION CONTROL/ENVIRONMENTAL PROTECTION/STORM WATER POLLUTION PREVENTION PLAN WATER AND WASTEWATER GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL NECESSARY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, OBTAINING AN NPDES PERMIT PRIOR TO CONSTRUCTION, FILLING OUT THE NOTICE OF INTENT (NOI) APPLICATION, AND FILLING OUT THE NOTICE OF TERMINATION (NOT) APPLICATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE IMPLEMENTATION OF AND INSPECTION REPORTS FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL SUBMIT THE SWPPP WITH THE PROPOSED CONSTRUCTION STAGING AREA AND TEMPORARY SANITARY FACILITIES CLEARLY SHOWN. ANY CHECK DAMS, SILT FENCES, OR OTHER BEST MANAGEMENT PRACTICES (BMPS) THAT ARE REQUIRED IN THE APPROVED SWPPP SHALL BE INCLUDED IN AND ARE INCIDENTAL TO THE SWPPP BID AMOUNT.
2. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SWPPP ON-SITE AT ALL TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM THE REGULATORY AGENCIES.
4. THE CONTRACTOR SHALL EITHER PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR INSTALL BMPS IDENTIFIED IN THE APPROVED SWPPP TO PREVENT DISCHARGE OF EXCAVATED MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY DURING A RAIN OR WIND EVENT.
5. THE CONTRACTOR SHALL IMPLEMENT THE APPROVED SWPPP AND ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
6. THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING BMPS IDENTIFIED IN THE APPROVED SWPPP IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS AS SPECIFIED IN THE SWPPP.
7. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.
8. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, NATIVE GRASS SEEDING SHALL BE SEEDING PER SECTION 1012 OF THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, APWA NM CHARTER, LATEST EDITION.
9. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED TO HAUL OR DISPOSE OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL RESOURCES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM AT 505-827-9329.
11. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.
12. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.
13. WHERE STORM INLETS ARE SUSCEPTIBLE TO INFLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE PROVIDED ON THEIR UPSTREAM SIDE UTILIZING BMPS IDENTIFIED IN THE APPROVED SWPPP.

KEYED NOTES

1. EXISTING BUILDING TO REMAIN
2. EXISTING VEHICLE GATE
3. NEW PARKING AREA AND DRIVE LANE
4. POST INDICATOR VALVE
5. FIRE DEPARTMENT CONNECTION
6. KNOX BOX
7. EXISTING FIRE HYDRANT
8. RELOCATED FIRE HYDRANT
9. EXISTING FIRE RISER ROOM
10. NEW FIRE HYDRANT
11. EXISTING FDC TO BE RELOCATED TO REMOTE TYPE
12. NEW FIRE RISER ROOM FOR ASSISTED LIVING
13. NEW FIRE RISER ROOM FOR INDEPENDENT LIVING
14. THIS PORTION OF THE BUILDING WILL BE CONNECTED TO EXISTING FIRE SUPPRESSION SYSTEM
15. NEW "FIRE LANE NO PARKING" WHITE LETTER OVER RED BACKGROUND ON CURB
16. 8" PUBLIC WATER LINE
17. 6" FIRE HYDRANT SUPPLY WATERLINE
18. 4' PERSONNEL GATE
19. NEW LOCATION OF REMOTE FDC FOR EXISTING FACILITY



Development Ordinance visit: http://www.cabq.gov/planning/codes-policies-regulations/integrated-development-ordinance

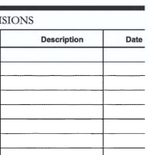
green globe ENVIRONMENTAL
888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19

THE HARTMAN + MAJEWSKI DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881

CONSULTANT

HAVERLAND CARTER LIFESTYLE GROUP

STAMP



PROJECT NAME

LA VIDA LLENA MASTER PHASE 1-3

REVISIONS

No.	Description	Date

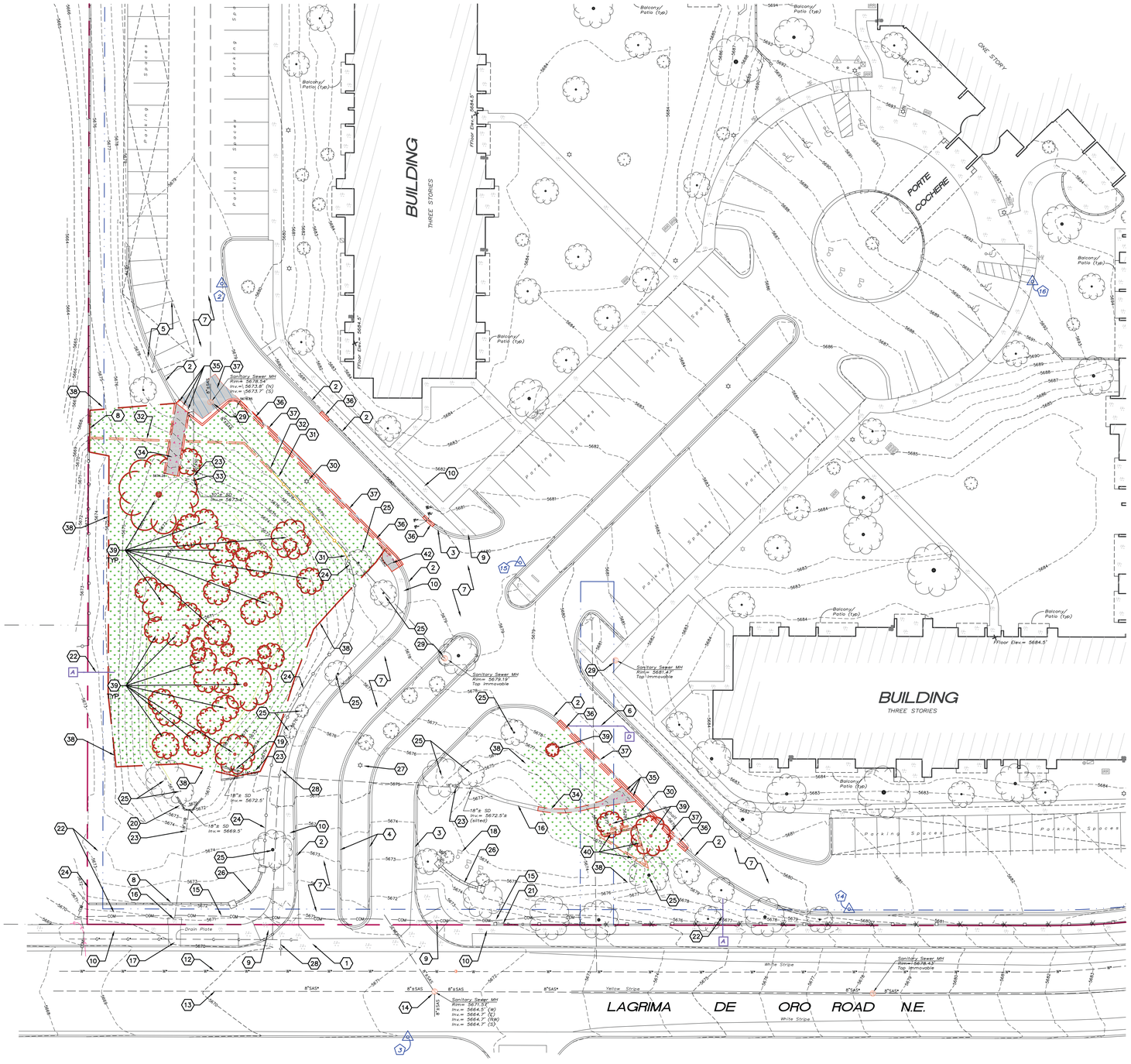
Drawn by	DAA
Checked by	DAA
Date	May 24, 2019
Project number	2811
CAD file name	

SHEET TITLE

EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER

ESC 101



A1 ENLARGED SITE DEMOLITION PLAN
1" = 20'-0"

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

DEMOLITION PLAN GENERAL NOTES

I. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.
II. DEMOLITIONPLAN KEYED NOTES ARE COMMON TO ALL SHEETS. NOT ALL KEYED NOTES WILL APPEAR ON EVERY PAGE.

DEMOLITION PLAN KEYED NOTES

1. EXISTING CONCRETE PAVEMENT
2. EXISTING 4" ROLL CURB AND GUTTER
3. EXISTING 4" DEPRESSED ROLL CURB AND GUTTER
4. EXISTING 6" MEDIAN CURB
5. EXISTING CAR CANOPY
6. EXISTING WATERLINE EASEMENT
7. EXISTING ASPHALT PAVEMENT
8. EXISTING CMU RETAINING WALL
9. EXISTING CONCRETE CURB ACCESS RAMP
10. EXISTING CONCRETE SIDEWALK
11. EXISTING FIRE HYDRANT
12. EXISTING PUBLIC WATERLINE
13. EXISTING PUBLIC SANITARY SEWER LINE
14. EXISTING PUBLIC SANITARY SEWER MANHOLE
15. EXISTING COMMUNICATIONS LINE
16. EXISTING CONCRETE DRAINAGE STRUCTURE
17. EXISTING CONCRETE SIDEWALK CULVERT
18. EXISTING RIP RAP EROSION PROTECTION
19. EXISTING CONCRETE TAILWALL
20. EXISTING CONCRETE HEADWALL
21. EXISTING 6' TALL DECORATIVE WROUGHT IRON FENCE WITH 7' TALL STUCCO COVERED CMU PILASTERS AT CHANGES IN DIRECTION FOR FENCING (CORNERS) AND ON EACH SIDE OF PEDESTRIAN GATES PER DETAIL B4/C-505
22. EXISTING 7' PUBLIC UTILITY EASEMENT
23. EXISTING STORM DRAIN PIPE
24. EXISTING CHAIN LINK FENCE
25. EXISTING TREE TO REMAIN
26. EXISTING MONUMENT SIGN
27. EXISTING LIGHT POLE
28. EXISTING NATURAL GAS LINE
29. EXISTING SANITARY SEWER MANHOLE
30. REMOVE AND SALVAGE LIGHT POLE TO LOCATION IDENTIFIED BY OWNER
31. REMOVE AND DISPOSE OF CHAIN LINK FENCE
32. REMOVE AND DISPOSE OF CMU WALL AND FOUNDATION
33. REMOVE AND DISPOSE OF STORM DRAIN PIPE END SECTION
34. REMOVE AND DISPOSE OF CONCRETE RUNDOWN CHANNEL
35. REMOVE AND DISPOSE OF STEEL BOLLARDS AND FOUNDATIONS
36. REMOVE AND DISPOSE OF CONCRETE CURB AND GUTTER
37. SAWCUT, REMOVE AND DISPOSE OF ASPHALT PAVEMENT
38. LIMITS OF DISTURBANCE (APPROXIMATE)
39. REMOVE AND DISPOSE OF TREE
40. REMOVE AND DISPOSE OF RAIL ROAD TIES
41. EXISTING STORM DRAIN CATCH BASIN
42. REMOVE AND DISPOSE OF CONCRETE SIDEWALK

THE HARTMAN + MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881
CONSULTANT

STAMP
MICHAEL DAVID TULL
NEW MEXICO
21757
9/19/19
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NAME
LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 1 DEMOLITION

REVISIONS

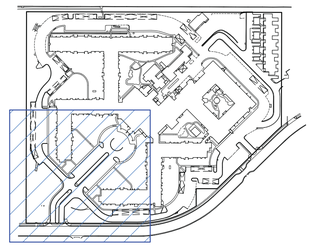
No.	Description	Date
1	ASI 1	10.31.14

Drawn by	DAA
Checked by	DAA
Date	7.24.19
Project number	2811
CAD file name	

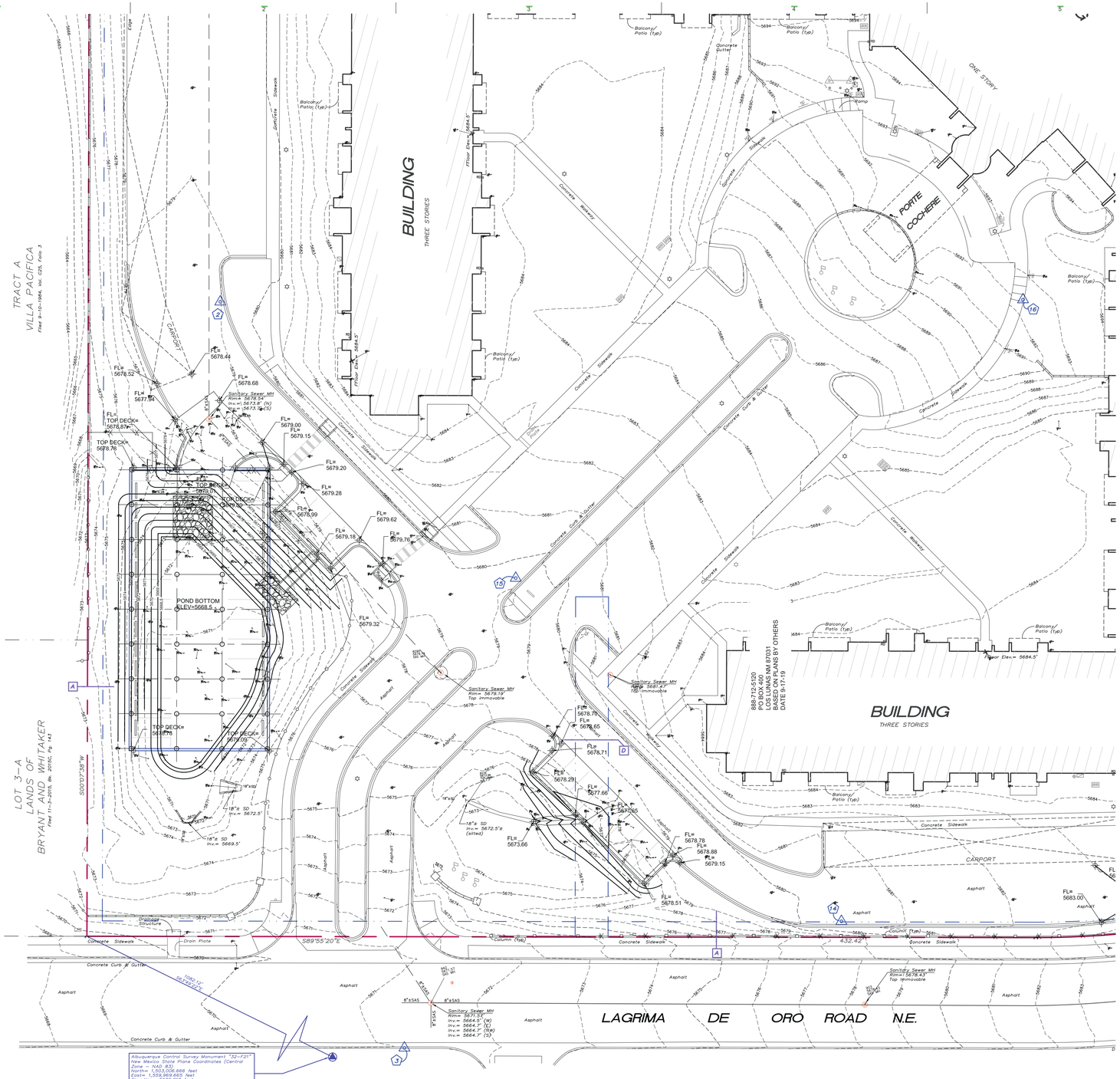
SHEET TITLE
EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER
ESC 102

888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19



A6 KEY PLAN
NOT TO SCALE



A1 ENLARGED SITE GRADING PLAN
1" = 20'-0"

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

GRADING PLAN GENERAL NOTES

I. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.
II. GRADING PLAN KEYED NOTES ARE COMMON TO ALL SHEETS. NOT ALL KEYED NOTES WILL APPEAR ON EVERY PAGE.

THE HABTMAN • MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881

CONSULTANT

STAMP

MICHAEL DAVID TILL
NEW MEXICO
21757
9/19/19
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NAME

LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 1 GRADING

REVISIONS

No.	Description	Date
1	ASI 1	10.31.14

Copyright: Design Group

Drawn by	DAA
Checked by	DAA
Date	7.24.19
Project number	2811
CAD file name	

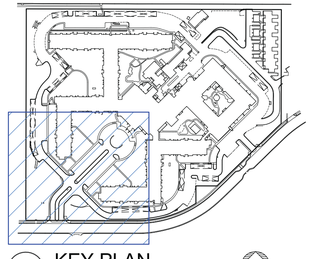
SHEET TITLE

EROSION AND SEDIMENT CONTROL PLAN

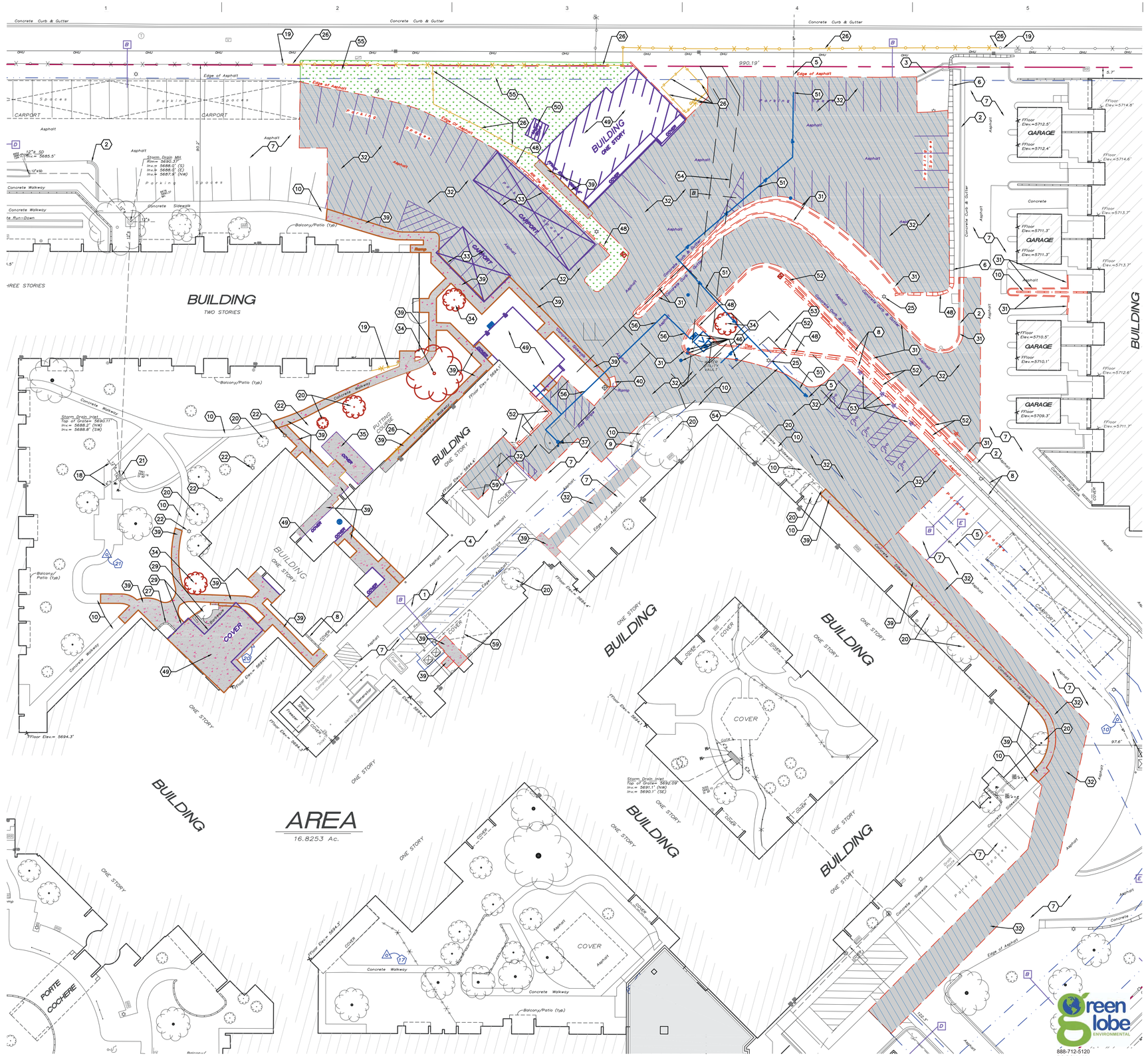
SHEET NUMBER

ESC 103

green globe ENVIRONMENTAL
888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19



A6 KEY PLAN
NOT TO SCALE



A1 ENLARGED SITE DEMOLITION PLAN
1" = 20'-0"

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

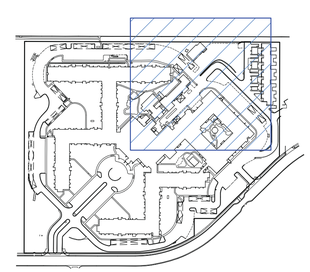
DEMOLITION PLAN GENERAL NOTES

I. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.
II. DEMOLITIONPLAN KEYED NOTES ARE COMMON TO ALL SHEETS. NOT ALL KEYED NOTES WILL APPEAR ON EVERY PAGE.

DEMOLITION PLAN KEYED NOTES (#)

1. EXISTING CONCRETE PAVEMENT
2. EXISTING 6" STANDARD CURB AND GUTTER
3. EXISTING CONCRETE RUNDOWN CHANNEL
4. EXISTING SERVICE YARD TO REMAIN ACCESSIBLE DURING CONSTRUCTION
5. EXISTING PUBLIC WATERLINE TO REMAIN
6. EXISTING KEYSTONE BLOCK WALL TO REMAIN
7. EXISTING ASPHALT PAVEMENT
8. EXISTING CMU RETAINING/SCREEN WALL
9. EXISTING CONCRETE CURB ACCESS RAMP
10. EXISTING CONCRETE SIDEWALK
11. EXISTING ADA RESERVED PARKING STALL
12. EXISTING FIRE HYDRANT TO REMAIN
13. EXISTING ADA RESERVED PARKING SIGN
14. EXISTING ADA VAN ACCESSIBLE RESERVED SIGN
15. EXISTING CONCRETE SIDEWALK CULVERT
16. EXISTING RIP RAP EROSION PROTECTION
17. EXISTING 7' PUBLIC UTILITY EASEMENT
18. EXISTING STORM DRAIN PIPE TO REMAIN
19. EXISTING CHAIN LINK FENCE TO REMAIN
20. EXISTING TREE TO REMAIN
21. EXISTING STORM DRAIN CATCH BASIN TO REMAIN
22. EXISTING LIGHT POLE TO REMAIN
23. EXISTING NATURAL GAS LINE TO REMAIN
24. EXISTING SANITARY SEWER MANHOLE TO REMAIN
25. REMOVE AND SALVAGE EXISTING LIGHT POLE TO LOCATION IDENTIFIED BY OWNER
26. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE
27. REMOVE AND DISPOSE OF EXISTING CMU WALL AND FOUNDATION
28. REMOVE AND DISPOSE OF EXISTING CANOPY AT DINING AREA
29. REMOVE AND DISPOSE OF EXISTING BARBEQUE INCLUDING CMU WALLS AND FOUNDATIONS
30. REMOVE AND DISPOSE OF EXISTING STEEL BOLLARDS AND FOUNDATIONS
31. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER
32. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT
33. REMOVE AND DISPOSE OF EXISTING PASSENGER CAR CANOPY
34. REMOVE AND DISPOSE OF EXISTING TREES
35. REMOVE AND DISPOSE OF EXISTING WOOD SHADE STRUCTURE INCLUDING CONCRETE SLAB AND FOUNDATIONS
36. REMOVE AND DISPOSE OF EXISTING CONCRETE PATIO AND HANDRAILS
37. REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT AND BOLLARDS. SEE UTILITY PLAN FOR ADDITIONAL REQUIREMENTS
38. REMOVE AND DISPOSE OF EXISTING 12" STORM DRAIN PIPE
39. REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK
40. REMOVE AND DISPOSE OF EXISTING CURB ACCESS RAMP
41. REMOVE AND DISPOSE OF EXISTING TRENCH DRAIN
42. REMOVE AND SALVAGE EXISTING STORM DRAIN LIFT STATION
43. REMOVE AND DISPOSE OF EXISTING SANITARY SEWER MANHOLE. SEE PLUMBING PLANS FOR NEW ROUTING INSIDE THE BUILDING AND CLEANOUT REQUIREMENTS
44. REMOVE AND DISPOSE OF IRRIGATION VALVES AND BOX. SEE LANDSCAPING IRRIGATION PLANS FOR ADDITIONAL REQUIREMENTS
45. REMOVE AND DISPOSE OF EXISTING ELECTRICAL PEDESTAL. SEE ELECTRICAL PLANS FOR DETAILS.
46. REMOVE AND SALVAGE EXISTING DOMESTIC AND FIRE SUPPRESSION BACK FLOW PREVENTOR(S) AND INSULATED ENCLOSURES. REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATIONS. REMOVE AND DISPOSE OF EXISTING WATER METER VAULT. REMOVE EXISTING GATE VALVES. SEE MINI-WROK ORDER FOR COMPLETE DETAILS OF REMOVAL AND REINSTALLATION.
47. REMOVE AND DISPOSE OF EXISTING RAILROAD TIE RETAINING WALL
48. REMOVE AND DISPOSE OF EXISTING KEYSTONE BLOCK RETAINING WALL
49. REMOVE AND DISPOSE OF EXISTING BUILDING OR CANOPY. SEE ARCHITECTURAL PLANS FOR MORE DETAILS
50. REMOVE AND RELOCATE (AS DIRECTED BY OWNER) EXISTING METAL SHED. PROVIDE NEW BLOCK LEVELING SUPPORTS AT NEW LOCATION
51. REMOVE AND DISPOSE OF EXISTING PUBLIC WATERLINE. SEE MINI WORK ORDER FOR ADDITIONAL REQUIREMENTS
52. REMOVE AND DISPOSE OF CMU SCREEN WALL
53. ELECTRICAL EASEMENT TO BE VACATED
54. PUBLIC WATERLINE EASEMENT TO BE VACATED
55. REMOVE AND DISPOSE OF EXISTING LANDSCAPING, SEE SHEETS L-101 THROUGH L-103 FOR ADDITIONAL REQUIREMENTS
56. REMOVE AND DISPOSE OF EXISTING PUBLIC WATERLINES, VALVES, ETC. SEE PUBLIC WORK ORDER PLANS.
57. REMOVE AND SALVAGE EXISTING WROUGHT IRON FENCE PANELS. REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATIONS.
58. REMOVE AND SALVAGE EXISTING HANDICAP PARKING SIGNS. REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATIONS
59. REMOVE AND SALVAGE EXISTING CANOPY.

green globe ENVIRONMENTAL
888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19



A6 KEY PLAN
NOT TO SCALE

THE HARTMAN J. MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881
CONSULTANT

STAMP

MICHAEL DAVID TULL NEW MEXICO 21757 9/18/19 PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NAME

LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 2 DEMOLITION

REVISIONS

No.	Description	Date

Drawn by	DAA
Checked by	DAA
Date	August 7, 2019
Project number	2811
CAD file name	

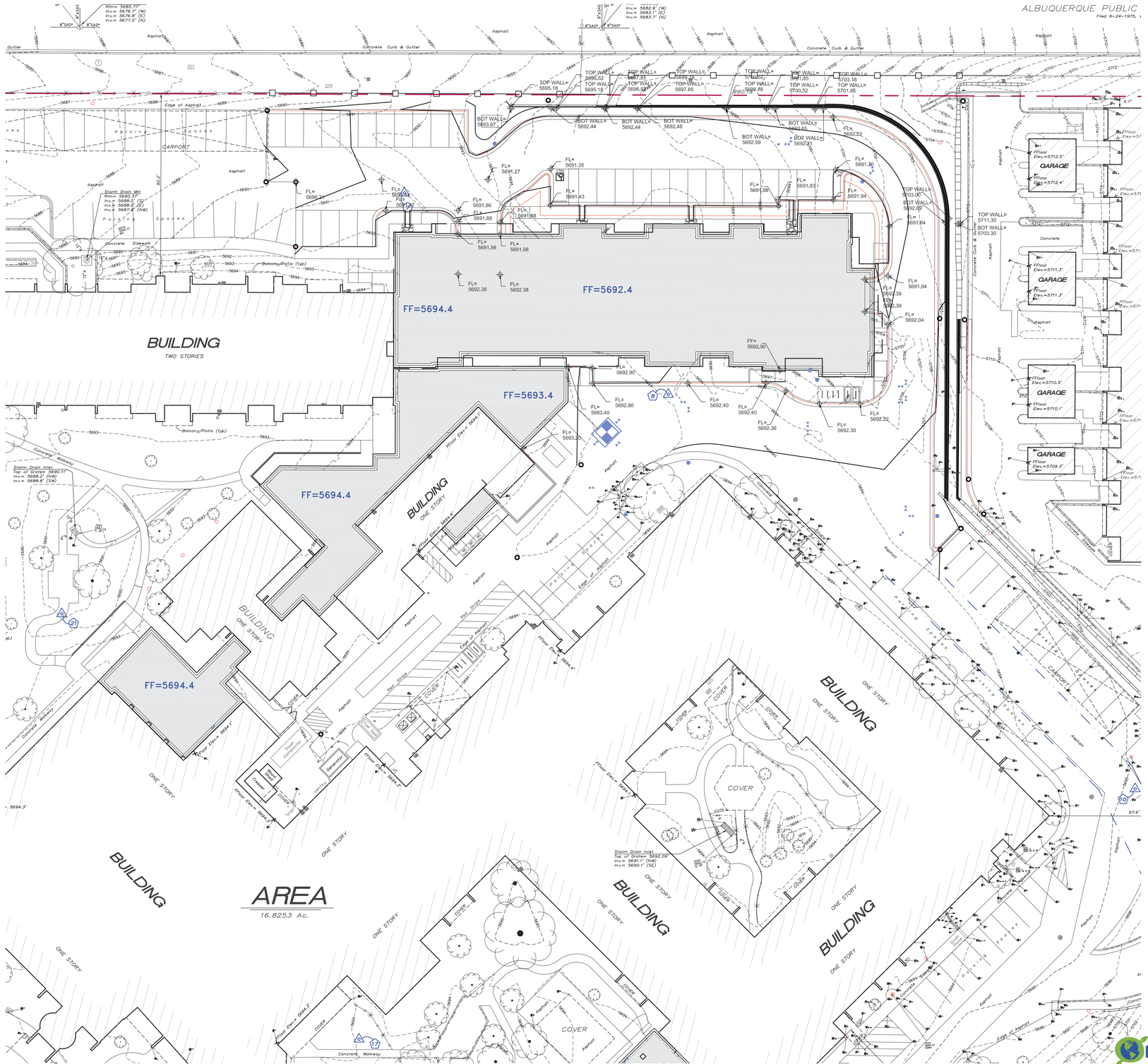
SHEET TITLE

EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER

ESC 104

P:\2811_LMmasterplan\phase1\sublcon\02 Model\02 Civil\Phase 3 llc Commons\P3-C001-003cdkr.dwg, 8/4/2019 8:24:45 AM



A1 ENLARGED SITE GRADING PLAN
1" = 20'-0"

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

GRADING PLAN GENERAL NOTES

1. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.

THE HARTMAN • MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881

CONSULTANT

STAMP

MICHAEL DAVID TULL
NEW MEXICO
21757
9/18/19
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT NAME

LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 2 GRADING

REVISIONS

No.	Description	Date

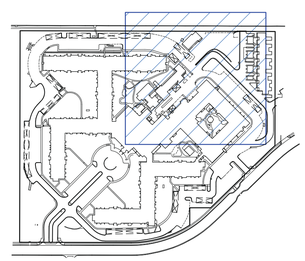
Drawn by	DAA
Checked by	DAA
Date	August 7, 2019
Project number	2811
CAD file name	

SHEET TITLE

EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER

ESC 105



A6 KEY PLAN
NOT TO SCALE

green globe ENVIRONMENTAL
888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19

A1 ENLARGED SITE DEMOLITION PLAN
1" = 20'-0"

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

DEMOLITION PLAN GENERAL NOTES

I. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.
II. DEMOLITIONPLAN KEYED NOTES ARE COMMON TO ALL SHEETS. NOT ALL KEYED NOTES WILL APPEAR ON EVERY PAGE.

DEMOLITION PLAN KEYED NOTES

1. EXISTING CONCRETE PAVEMENT
2. EXISTING 6" STANDARD CURB AND GUTTER
3. EXISTING 6" DEPRESSED CURB AND GUTTER
4. EXISTING UNLOADING ZONE TO REMAIN FUNCTIONAL DURING CONSTRUCTION
5. EXISTING PAINTED CROSSWALK TO REMAIN
6. EXISTING CHAIN LINK GATE TO REMAIN
7. EXISTING ASPHALT PAVEMENT
8. EXISTING CMU RETAINING WALL
9. EXISTING CONCRETE CURB ACCESS RAMP
10. EXISTING CONCRETE SIDEWALK
11. EXISTING CONCRETE PARKING BLOCK PER DETAIL F2/C-501.
12. EXISTING ADA RESERVED PARKING STALL
13. EXISTING FIRE HYDRANT TO REMAIN
14. EXISTING ADA RESERVED PARKING SIGN
15. EXISTING ADA VAN ACCESSIBLE RESERVED SIGN
16. EXISTING CONCRETE DRAINAGE STRUCTURE
17. EXISTING CONCRETE SIDEWALK CULVERT
18. EXISTING RIP RAP EROSION PROTECTION
19. EXISTING CONCRETE TAILWALL
20. EXISTING CONCRETE HEADWALL
21. EXISTING 6' TALL DECORATIVE WROUGHT IRON FENCE WITH 7' TALL STUCCO COVERED CMU PILASTERS AT CHANGES IN DIRECTION FOR FENCING (CORNERS) AND ON EACH SIDE OF PEDESTRIAN GATES PER DETAIL B4/C-505
22. EXISTING 7' PUBLIC UTILITY EASEMENT
23. EXISTING STORM DRAIN PIPE TO REMAIN
24. EXISTING CHAIN LINK FENCE TO REMAIN
25. EXISTING TREE TO REMAIN
26. EXISTING MONUMENT SIGN TO REMAIN
27. EXISTING LIGHT POLE TO REMAIN
28. EXISTING NATURAL GAS LINE TO REMAIN
29. EXISTING SANITARY SEWER MANHOLE TO REMAIN
30. REMOVE AND SALVAGE EXISTING LIGHT POLE TO LOCATION IDENTIFIED BY OWNER
31. REMOVE AND DISPOSE OF CHAIN LINK FENCE
32. REMOVE AND DISPOSE OF CMU WALL AND FOUNDATION
33. REMOVE AND DISPOSE OF CONCRETE TAILWALL AND FOUNDATION
34. REMOVE AND DISPOSE OF CONCRETE RUNDOWN CHANNEL
35. REMOVE AND DISPOSE OF STEEL BOLLARDS AND FOUNDATIONS
36. REMOVE AND DISPOSE OF CONCRETE CURB AND GUTTER
37. SAWCUT, REMOVE AND DISPOSE OF ASPHALT PAVEMENT
38. REMOVE AND DISPOSE OF PASSENGER CAR CANOPY
39. REMOVE AND DISPOSE OF TREES AND ROOTS TO 2' BELOW GRADE
40. REMOVE AND DISPOSE OF RAIL ROAD TIES
41. REMOVE AND DISPOSE OF CONCRETE PATIO AND HANDRAILS
42. REMOVE AND DISPOSE OF FIRE HYDRANT. SEE UTILITY PLAN FOR ADDITIONAL REQUIREMENTS
43. REMOVE AND DISPOSE OF 12" STORM DRAIN PIPE
44. REMOVE AND DISPOSE OF CONCRETE SIDEWALK
45. REMOVE AND DISPOSE OF CURB ACCESS RAMP
46. REMOVE AND DISPOSE OF TRENCH DRAIN
47. REMOVE AND SALVAGE EXISTING STORM DRAIN LIFT STATION
48. REMOVE AND DISPOSE OF SANITARY SEWER MANHOLE. SEE PLUMBING PLANS FOR NEW ROUTING INSIDE THE BUILDING AND CLEANOUT REQUIREMENTS
49. REMOVE AND DISPOSE OF IRRIGATION VALVES AND BOX. SEE LANDSCAPING IRRIGATION PLANS FOR ADDITIONAL REQUIREMENTS
50. REMOVE AND DISPOSE OF ELECTRICAL PEDESTAL. SEE ELECTRICAL PLANS FOR DETAILS.
51. LIMITS OF DISTURBANCE (APPROXIMATE)
52. EXISTING PUBLIC WATERLINE EASEMENT
53. EXISTING METAL CAR CANOPY TO REMAIN
54. NOT USED
55. EXISTING STORM DRAIN CATCH BASIN TO REMAIN

THE HARTMAN + MAJEWSKI DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881
CONSULTANT

STAMP
MICHAEL DAVID TULL NEW MEXICO 21757 9/18/19 PROFESSIONAL ENGINEER

DESIGN DEVELOPMENT

PROJECT NAME
LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 3 DEMOLITION

REVISIONS

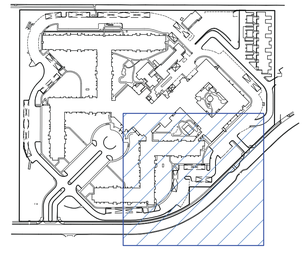
No.	Description	Date
1	ASI 1	10.31.14

Drawn by	DAA
Checked by	DAA
Date	April 12, 2019
Project number	2811
CAD file name	

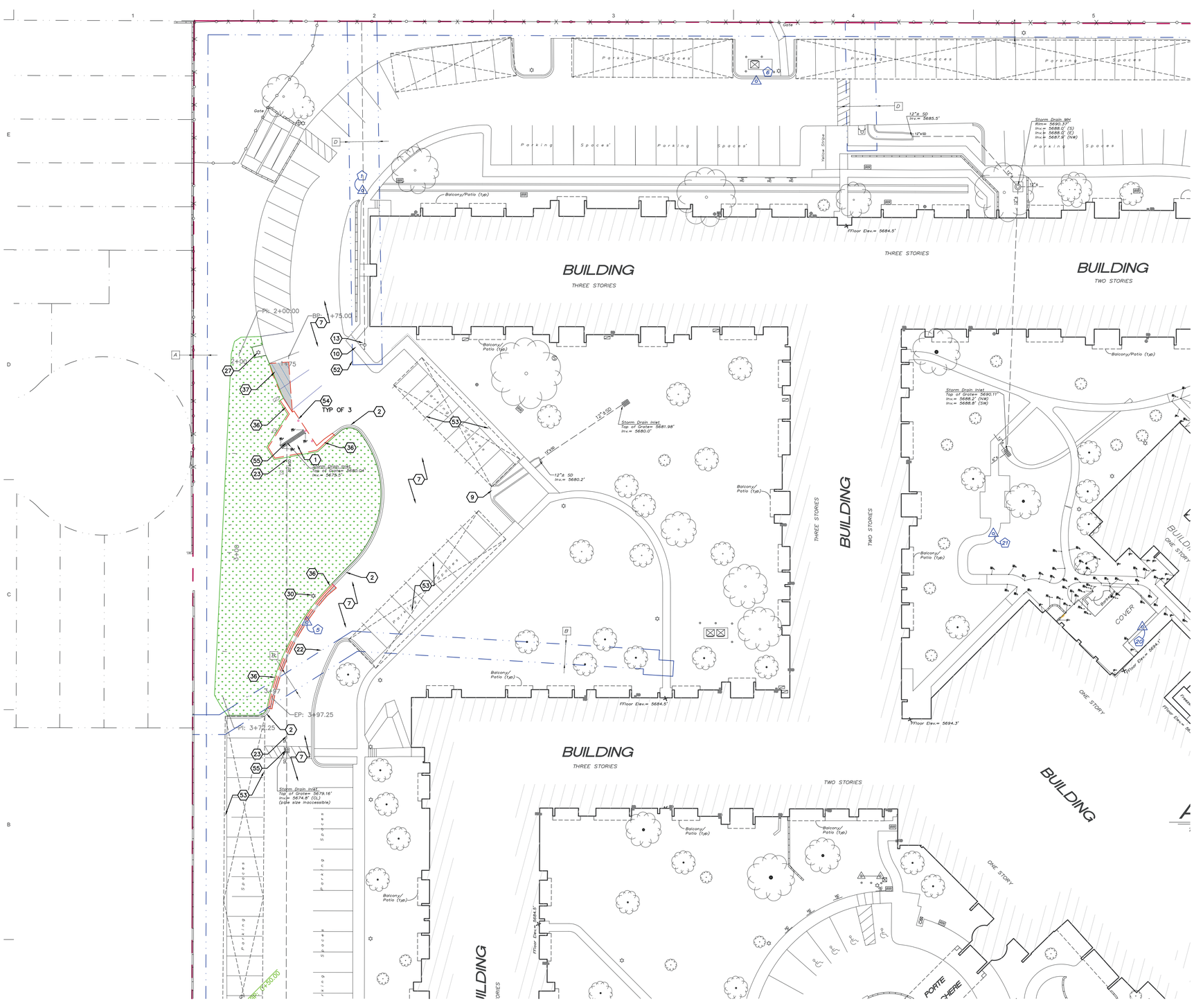
SHEET TITLE
EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER
ESC 106

Green Globe Environmental
888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19



A6 KEY PLAN
NOT TO SCALE



A1 ENLARGED SITE DEMOLITION PLAN
1" = 20'-0"

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

DEMOLITION PLAN GENERAL NOTES

I. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.
II. DEMOLITIONPLAN KEYED NOTES ARE COMMON TO ALL SHEETS. NOT ALL KEYED NOTES WILL APPEAR ON EVERY PAGE.

DEMOLITION PLAN KEYED NOTES (#)

1. EXISTING CONCRETE PAVEMENT
2. EXISTING 6" STANDARD CURB AND GUTTER
3. EXISTING 6" DEPRESSED CURB AND GUTTER
4. EXISTING UNLOADING ZONE TO REMAIN FUNCTIONAL DURING CONSTRUCTION
5. EXISTING PAINTED CROSSWALK TO REMAIN
6. EXISTING CHAIN LINK GATE TO REMAIN
7. EXISTING ASPHALT PAVEMENT
8. EXISTING CMU RETAINING WALL
9. EXISTING CONCRETE CURB ACCESS RAMP
10. EXISTING CONCRETE SIDEWALK
11. EXISTING CONCRETE PARKING BLOCK PER DETAIL F2/C-501.
12. EXISTING ADA RESERVED PARKING STALL
13. EXISTING FIRE HYDRANT TO REMAIN
14. EXISTING ADA RESERVED PARKING SIGN
15. EXISTING ADA VAN ACCESSIBLE RESERVED SIGN
16. EXISTING CONCRETE DRAINAGE STRUCTURE
17. EXISTING CONCRETE SIDEWALK CULVERT
18. EXISTING RIP RAP EROSION PROTECTION
19. EXISTING CONCRETE TAILWALL
20. EXISTING CONCRETE HEADWALL
21. EXISTING 6' TALL DECORATIVE WROUGHT IRON FENCE WITH 7' TALL STUCCO COVERED CMU PILASTERS AT CHANGES IN DIRECTION FOR FENCING (CORNERS) AND ON EACH SIDE OF PEDESTRIAN GATES PER DETAIL B4/C-505
22. EXISTING 7' PUBLIC UTILITY EASEMENT
23. EXISTING STORM DRAIN PIPE TO REMAIN
24. EXISTING CHAIN LINK FENCE TO REMAIN
25. EXISTING TREE TO REMAIN
26. EXISTING MONUMENT SIGN TO REMAIN
27. EXISTING LIGHT POLE TO REMAIN
28. EXISTING NATURAL GAS LINE TO REMAIN
29. EXISTING SANITARY SEWER MANHOLE TO REMAIN
30. REMOVE AND SALVAGE EXISTING LIGHT POLE TO LOCATION IDENTIFIED BY OWNER
31. REMOVE AND DISPOSE OF CHAIN LINK FENCE
32. REMOVE AND DISPOSE OF CMU WALL AND FOUNDATION
33. REMOVE AND DISPOSE OF CONCRETE TAILWALL AND FOUNDATION
34. REMOVE AND DISPOSE OF CONCRETE RUNDOWN CHANNEL
35. REMOVE AND DISPOSE OF STEEL BOLLARDS AND FOUNDATIONS
36. REMOVE AND DISPOSE OF CONCRETE CURB AND GUTTER
37. SAWCUT, REMOVE AND DISPOSE OF ASPHALT PAVEMENT
38. REMOVE AND DISPOSE OF PASSENGER CAR CANOPY
39. REMOVE AND DISPOSE OF TREES AND ROOTS TO 2' BELOW GRADE
40. REMOVE AND DISPOSE OF RAIL ROAD TIES
41. REMOVE AND DISPOSE OF CONCRETE PATIO AND HANDRAILS
42. REMOVE AND DISPOSE OF FIRE HYDRANT. SEE UTILITY PLAN FOR ADDITIONAL REQUIREMENTS
43. REMOVE AND DISPOSE OF 12" STORM DRAIN PIPE
44. REMOVE AND DISPOSE OF CONCRETE SIDEWALK
45. REMOVE AND DISPOSE OF CURB ACCESS RAMP
46. REMOVE AND DISPOSE OF TRENCH DRAIN
47. REMOVE AND SALVAGE EXISTING STORM DRAIN LIFT STATION
48. REMOVE AND DISPOSE OF SANITARY SEWER MANHOLE. SEE PLUMBING PLANS FOR NEW ROUTING INSIDE THE BUILDING AND CLEANOUT REQUIREMENTS
49. REMOVE AND DISPOSE OF IRRIGATION VALVES AND BOX. SEE LANDSCAPING IRRIGATION PLANS FOR ADDITIONAL REQUIREMENTS
50. REMOVE AND DISPOSE OF ELECTRICAL PEDESTAL. SEE ELECTRICAL PLANS FOR DETAILS.
51. LIMITS OF DISTURBANCE (APPROXIMATE)
52. EXISTING PUBLIC WATERLINE EASEMENT
53. EXISTING METAL CAR CANOPY TO REMAIN
54. NOT USED
55. EXISTING STORM DRAIN CATCH BASIN TO REMAIN

THE HARTMAN + MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881
CONSULTANT

STAMP
MICHAEL DAVID TULL NEW MEXICO 21757 9/18/19 PROFESSIONAL ENGINEER

DESIGN DEVELOPMENT

PROJECT NAME

LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 3 DEMOLITION

REVISIONS

No.	Description	Date
1	ASI 1	10.31.14

Drawn by	DAA
Checked by	DAA
Date	April 12, 2019
Project number	2811
CAD file name	

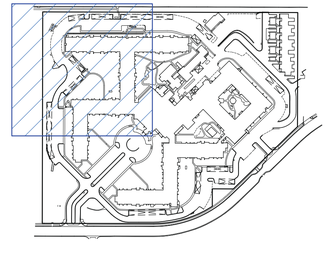
SHEET TITLE

EROSION AND SEDIMENT CONTROL PLAN

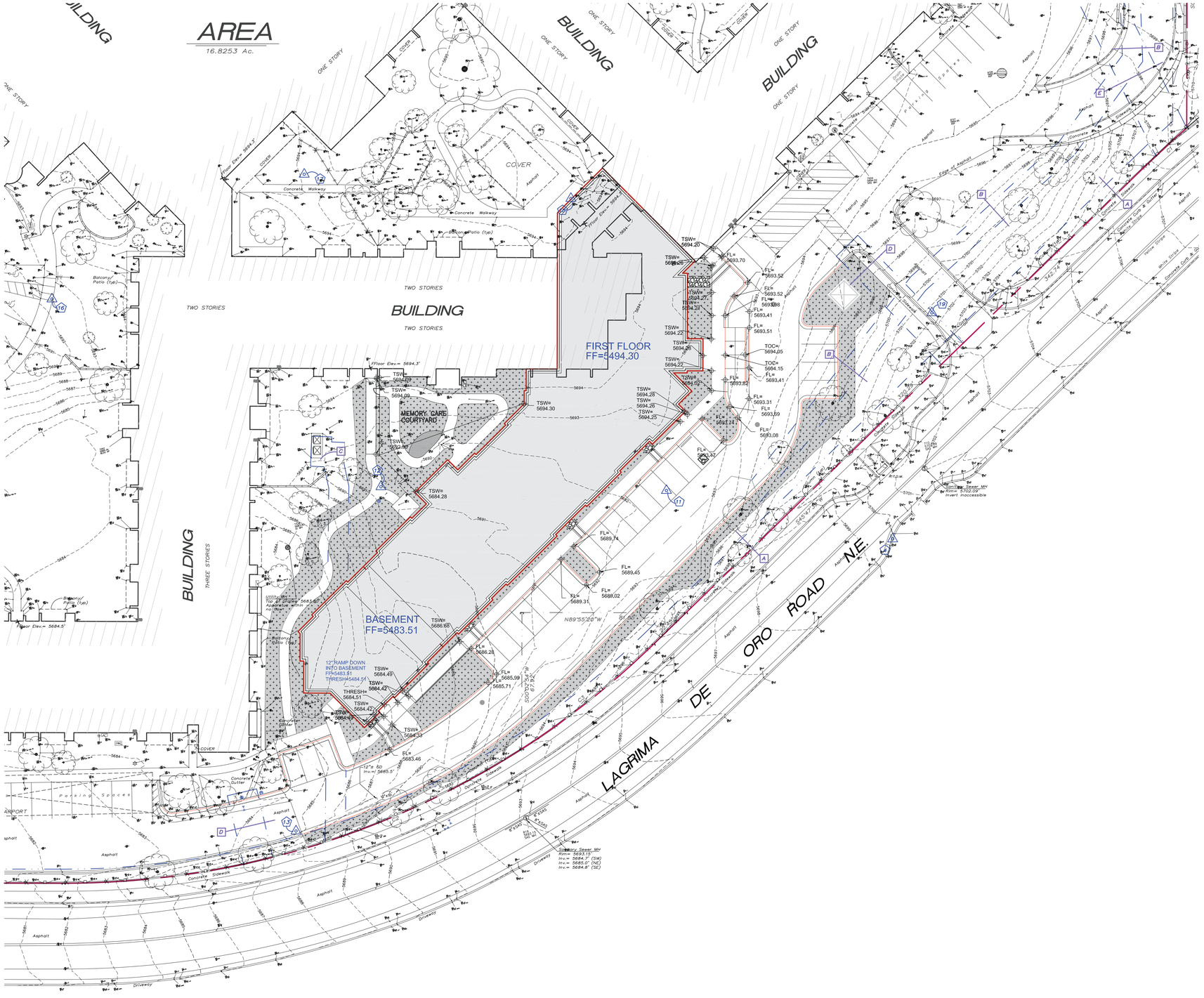
SHEET NUMBER

ESC 107

green globe ENVIRONMENTAL
888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19



A6 KEY PLAN
NOT TO SCALE



A1 ENLARGED SITE GRADING PLAN
1" = 20'-0"

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

GRADING PLAN GENERAL NOTES

I. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.

GRADING PLAN KEYED NOTES

1.

THE HARTMAN - MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®

120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881

CONSULTANT

STAMP

MICHAEL DAVID TULL
NEW MEXICO
21757
9/18/19
PROFESSIONAL ENGINEER

DESIGN DEVELOPMENT

PROJECT NAME

LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 3 GRADING

REVISIONS

No.	Description	Date
1	ASI 1	10.31.14

Drawn by	DAA
Checked by	DAA
Date	April 12, 2019
Project number	2811
CAD file name	

SHEET TITLE

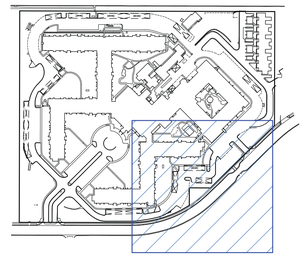
EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER

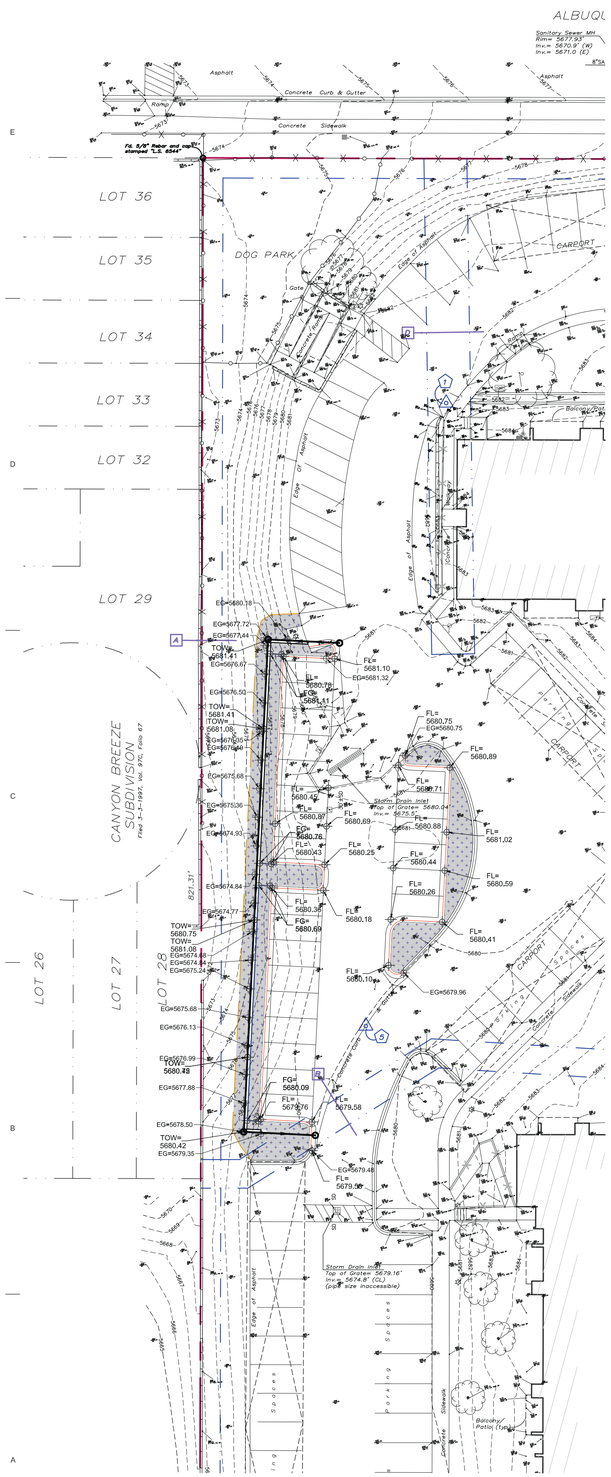
ESC 108

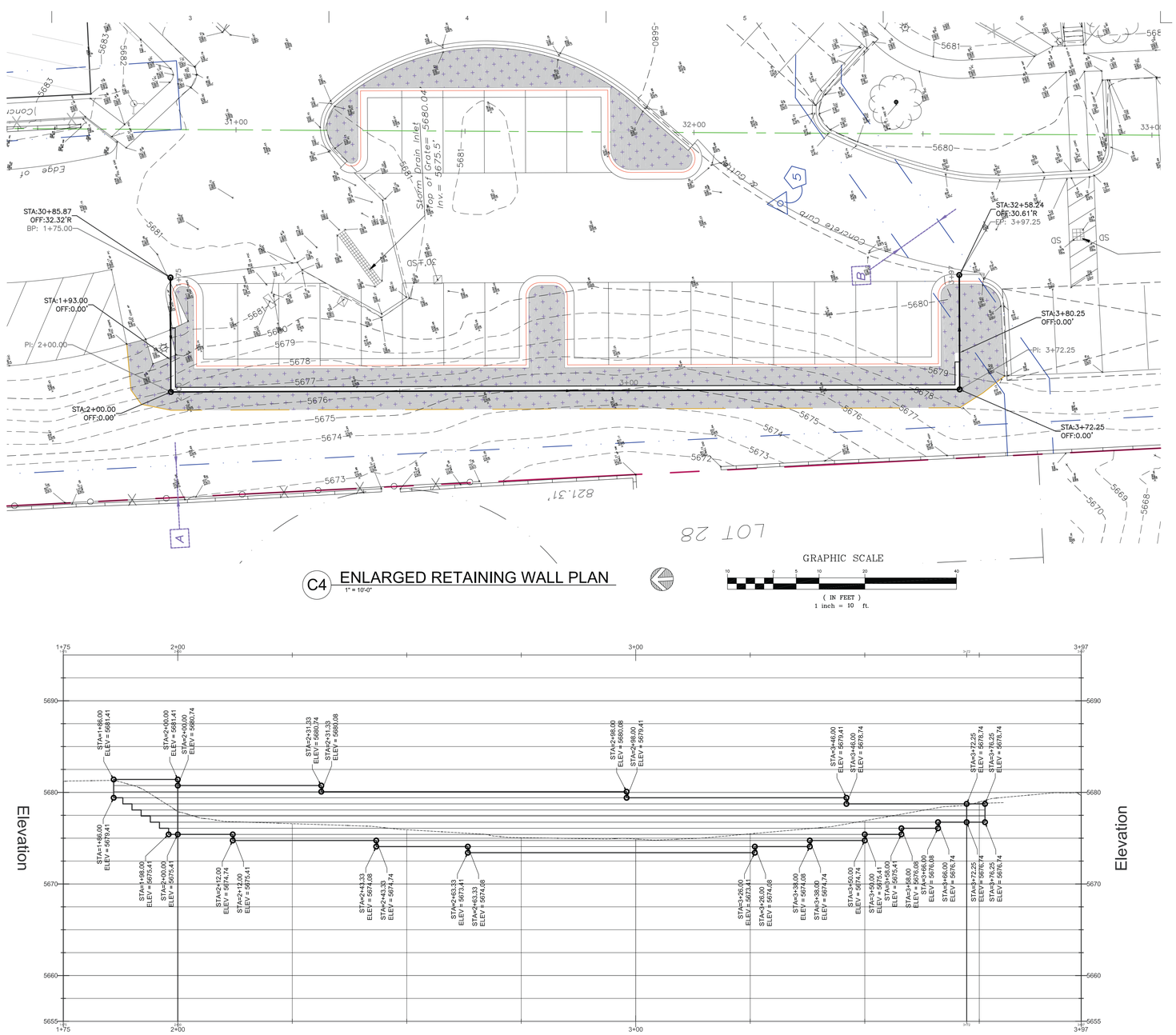
green globe ENVIRONMENTAL
888-712-5120
PO BOX 400
LOS LUNAS NM 87031

BASED ON PLANS BY OTHERS
DATE 9-17-19



A6 KEY PLAN
NOT TO SCALE

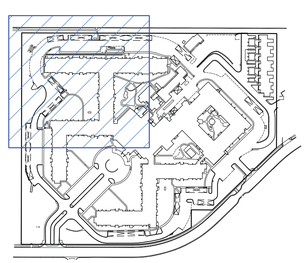




GRADING PLAN GENERAL NOTES

1. SEE SHEET CG001 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.

Green Globe ENVIRONMENTAL
888-712-5120
PO BOX 400
LOS LUNAS NM 87031
BASED ON PLANS BY OTHERS
DATE 9-17-19



A6 KEY PLAN
NOT TO SCALE

THE HARTMAN • MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Drive SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881
CONSULTANT

STAMP

DESIGN DEVELOPMENT

PROJECT NAME

LA VIDA LLENA MASTER PHASE 1-3

HAVERLAND CARTER LIFESTYLE GROUP

PHASE 3 GRADING

REVISIONS

No.	Description	Date
1	ASI 1	10.31.14

Drawn by	DAA
Checked by	DAA
Date	April 12, 2019
Project number	2811
CAD file name	

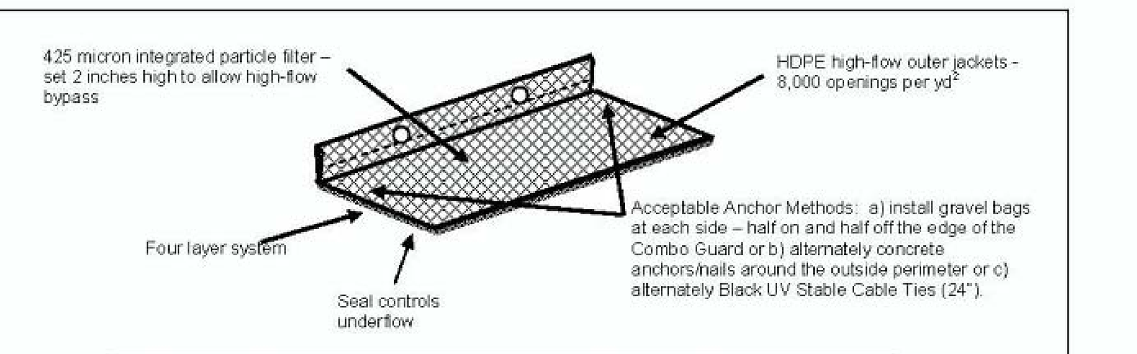
SHEET TITLE

EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER

ESC 109

SWPPP Binder Insert - Curb & Grate Inlet Protection
ERTEC Combo Guard™



Product Designation	Grate Size
CG 28x22	Fits 23" by 19" Grate
CG 58x22	Fits 36" x 18" **and** 36" x 20" **and** 40" x 17" Grates
CG 48x27	Fits 40" x 24" Grate
CG 58x30	Fits 42" x 28" Grate
Custom sizes available upon request	

Definition – ERTEC Combo Guard
A temporary sediment filter made of high density polyethylene with an integrated filter. During construction, place device over the grate and curb opening of the drain inlet near disturbed soil. Anchor with 2 Gravel Bags, or alternately 2 ERTEC GR-8 Hooks™ or alternately concrete anchors/nails or alternately black UV stable cable ties (24 to 36").

Purpose
Storm drain inlet protection is used to intercept sediment laden water at the curb and grate opening and prevent the sediment, associated pollutants and debris from entering the storm water underground pipe systems. The system reduces water velocity which causes heavier soil particles to be deposited above ground. While allowing flow through the module, the barrier filters certain smaller sized particles from suspension and prevents them from flowing through the device and into the pipes. Heavy flows are passed over the top of the filter. Advantages are that it is effective, durable, re-usable, easily installed and cleaned.

Conditions Where the Practice Applies
It is recommended for use over curb & grate openings with small drainage areas. Generally, the drainage areas should be less than 1/3 acre and the total for inlets in series should be 1 acre or less with slopes flatter than 5 percent in the contributing drainage area.

Design Criteria
- Geo-textile Filter: Apparent Opening Size (AOS) = 425 micron integrated particle filter. Flow rate (ASTM D-4491) = 145 gpm/ft². Provide a bypass over the top.
- Outer Jacket Material: HDPE. For detailed characteristics contact ERTEC. Module weight = 3 to 5 lbs. Module height = 6.0". Module length/opening size protected varies as per the chart above – according to grate size. Service temperature (deg F) = -30 to 160.
- Install system with the vertical section covering the curb inlet and the horizontal section covering the grate. Alternate anchor methods listed above. If using Gravel Bags - place small gravel bags containing clean, pea-sized graded gravel on each end of the cover and butt the bags tightly against the curb to keep water in the gutter from flowing behind the filter (do not use sandbags). The porosity of the gravel bag should allow for design flow rate through the bag. The bag should be durable enough to last the period of intended use. If the storm inlet opening exceeds 5.0' in length, overlap one module by 6" over side of adjoining module for a continuous run until the desired length is achieved. Anchor thru the overlap as necessary.

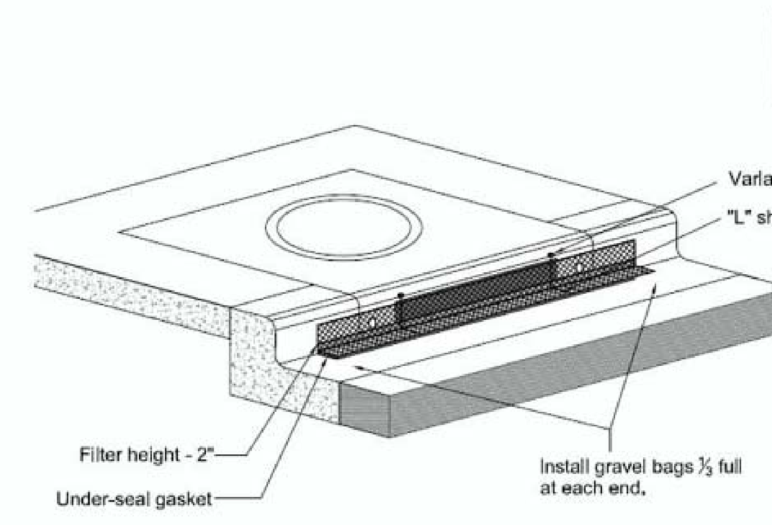
Maintenance
Perform maintenance as required. Inspect following rainfall events and at least daily during prolonged rainfall. Maintain to provide an adequate sediment holding capacity. Debris shall be removed daily and sediment shall be removed when the sediment accumulation reaches 2 inches. Removed sediment shall be incorporated in the project at designated locations or disposed-of outside the project or in conformance with requirements. Remove the device after final stabilization has been achieved.

ERTEC
Combo Guard™

www.ertecsystems.com
Toll Free: 866-521-0724

SWPPP Binder Insert - Curb Inlet Protection
ERTEC Curb Inlet Guard™

Inlet Size	# of Modules
5.0'	1 Module
10.0'	2 Modules
15.0'	3 Modules
20.0'	4 Modules



Definition – ERTEC Curb Inlet Guard
A temporary sediment barrier, "L" shaped, made of high density polyethylene (HDPE) with an integrated filter (woven geo-textile). During construction, place device over the opening of the curb storm inlet near where soil is disturbed (See drawings).

Purpose
Storm drain inlet protection is used to intercept sediment laden water at the curb gutter opening and prevent sediment, debris and associated pollutants from entering the storm water underground pipe systems. The barrier reduces water velocity which in turn causes heavier soil particles to be deposited in front. While allowing flow through the module, the barrier filters certain smaller sized particles from suspension and prevents them from flowing through the device and into the pipes. Excessive flows are passed over the top of the filter. Advantages are that it is effective, durable, re-usable, easily installed and cleaned.

Conditions Where the Practice Applies
It is recommended for use in curb openings in front of areas with small drainage areas. Generally, the drainage areas should be less than 1/3 acre and the total for inlets in series should be 1 acre or less with slopes flatter than 5 percent in the contributing drainage area.

Design Criteria
- Geo-textile Filter: See drawing for dimensions. Apparent Opening Size (AOS) = 425 micron integrated particle filter. Flow rate (ASTM D-4491) = 145 gpm/ft². Provide a bypass over the top.
- Outer Jacket Material: HDPE. For detailed characteristics contact ERTEC. Module weight = 3.5 lbs. Module height = 7.5". Module length/opening size protected = 6' 3"/5.0 ft. Service temperature (deg F) = -30 to 160.
- Install barrier with the anchor flap facing upstream toward the street. Place small gravel bags containing clean, pea-sized graded gravel on each end of the flap and butt the bags tightly against the curb to keep water in the gutter from flowing behind the filter. Additional bags can be placed on the flap as necessary; however, bags should be kept off the street for safety reasons. The porosity of the gravel bag should allow for design flow rate through the bag. The bag should be durable enough to last the period of intended use. If the storm inlet opening exceeds 5.0' in length, overlap one of module by 6" over end of adjoining module for a continuous run until the desired length is achieved. When overlapping, note the gasket material under the flap is cut-out where the flap of top module sits on flap of bottom module.

Maintenance
Perform maintenance as required. Inspect following rainfall events and at least daily during prolonged rainfall. Maintain to provide an adequate sediment holding capacity. Trash shall be removed daily and sediment shall be removed when the sediment accumulation reaches 1 inch. Removed sediment shall be incorporated in the project at designated locations or disposed-of outside the project or in conformance with requirements. Remove the device after final stabilization has been achieved.

ERTEC
Curb Inlet Guard™
ERTEC Environmental Systems
www.ertecsystems.com
Toll Free: 866-521-0724

filtrexx®
LAND IMPROVEMENT SYSTEMS

Section 1: Erosion & Sediment Control – Construction Activities

SWPPP Cut Sheet:
Filtrexx® Sediment Control
Sediment & Perimeter Control Technology

PURPOSE & DESCRIPTION
Filtrexx® Sediment control is a three-dimensional tubular sediment control and storm water runoff filtration device typically used for **perimeter control** of sediment and other soluble pollutants (such as phosphorus and petroleum hydrocarbons), on and around construction activities.

APPLICATION
Filtrexx® Sediment control is to be installed down slope of any disturbed area requiring erosion and sediment control and filtration of soluble pollutants from runoff. Sediment control is effective when installed perpendicular to sheet or low concentrated flow. Acceptable applications include:
- Site perimeters
- Above and below disturbed areas subject to sheet runoff, interrill and rill erosion
- Above and below exposed and erodable slopes
- Around area drains or inlets located in a 'sump'
- On compacted soils where trenching of silt fence is difficult or impossible
- Around sensitive trees where trenching of silt fence is not beneficial for tree survival or may unnecessarily disturb established vegetation.
- On frozen ground where trenching of silt fence is impossible.
- On paved surfaces where trenching of silt fence is impossible.

INSTALLATION
1. Sediment control used for perimeter control of sediment and soluble pollutants in storm runoff shall meet Filtrexx® Soxx™ Material Specifications and use Certified Filtrexx® FilterMedia™.
2. Contractor is required to be Filtrexx® Certified™ as determined by Filtrexx® International, LLC (440-926-2607 or visit website at www.filtrexx.com). Certification shall be considered current if appropriate identification is shown during time of bid or at time of application (current listing can be found at www.filtrexx.com). Look for the Filtrexx® Certified™ Seal.
3. Sediment control will be placed at locations indicated on plans as directed by the Engineer.
4. Sediment control should be installed parallel to the base of the slope or other disturbed area. In extreme conditions (i.e., 2:1 slopes), a second Sediment control shall be constructed at the top of the slope.
5. Effective Soxx™ height in the field should be as follows: 8" Diameter Sediment control = 6.5" high, 12" Diameter Sediment control = 9.5" high, 18" Diameter SiltSoxx™ = 14.5" high, 24" Diameter Sediment control = 19" high.
6. Stakes shall be installed through the middle of the Sediment control on 10 ft (3m) centers, using 2 in (50mm) by 2 in (50mm) by 3 ft (1m) hard wood stakes. In the event staking is not possible, i.e., when Sediment control is used on pavement, heavy concrete blocks shall be used behind the Sediment control to help stabilize during rainfall/runoff events.
7. Staking depth for sand and silt loam soils shall be 12 in (300mm), and 8 in (200mm) for clay soils.
8. Loose compost may be backfilled along the upslope side of the Sediment control, filling the seam between the soil surface and the device, improving filtration and sediment retention.
9. If the Sediment control is to be left as a permanent filter or part of the natural landscape, it may be seeded at time of installation for establishment of permanent vegetation. The Engineer will specify seed requirements.

10. Filtrexx® Sediment control is not to be used in perennial, ephemeral, or intermittent streams.

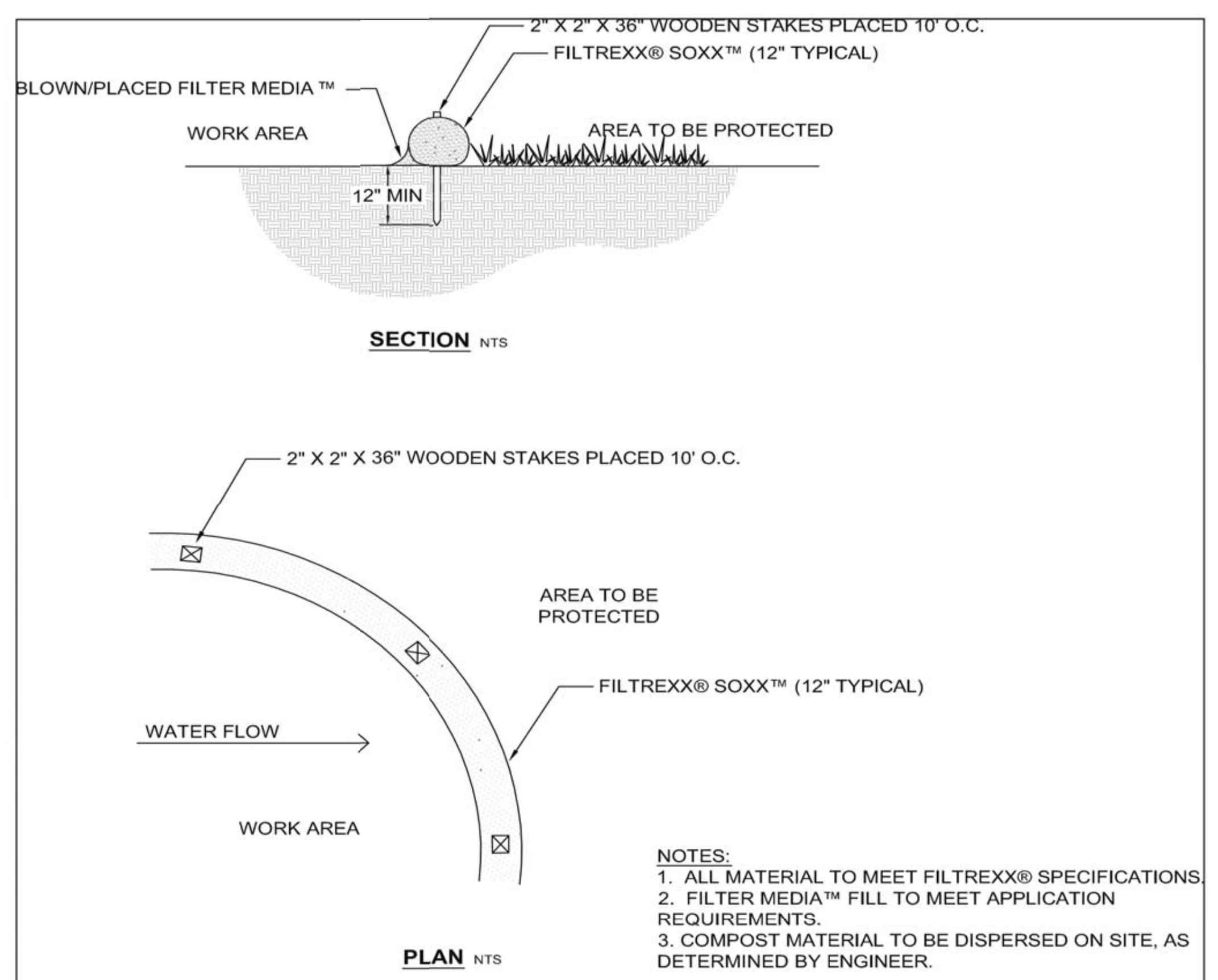
See design drawing schematic for correct Filtrexx® Sediment control installation (Figure 1.1).

INSPECTION AND MAINTENANCE
Routine inspection should be conducted within 24 hrs of a runoff event or as designated by the regulating authority. Sediment control should be regularly inspected to make sure they maintain their shape and are producing adequate hydraulic flow-through. If ponding becomes excessive, additional Sediment control may be required to reduce effective slope length or sediment removal may be necessary. Sediment control shall be inspected until area above has been permanently stabilized and construction activity has ceased
1. The Contractor shall maintain the Sediment control in a functional condition at all times and it shall be routinely inspected.
2. If the Sediment control has been damaged, it shall be repaired, or replaced if beyond repair.
3. The Contractor shall remove sediment at the base of the upslope side of the Sediment control when accumulation has reached 1/2 of the effective height of the Sediment control, or as directed by the Engineer. Alternatively, a new Sediment control can be placed on top of and slightly behind the original one creating more sediment storage capacity without soil disturbance.
4. Sediment control shall be maintained until disturbed area above the device has been permanently stabilized and construction activity has ceased.
5. The FilterMedia™ will be dispersed on site once disturbed area has been permanently stabilized, construction activity has ceased, or as determined by the Engineer.
6. For long-term sediment and pollution control applications, Sediment control can be seeded at the time of installation to create a vegetative filtering system for prolonged and increased filtration of sediment and soluble pollutants (contained vegetative filter strip). The appropriate seed mix shall be determined by the Engineer.

Slope Percent	Maximum Slope Length Above Sediment Control in Feet (meters)*				
	8 in (200 mm) Sediment control	12 in (300 mm) Sediment control	18 in (450 mm) Sediment control	24 in (600mm) Sediment control	32 in (800mm) Sediment control
	6.5 in (160 mm)**	9.5 in (240 mm) **	14.5 in (360 mm) **	19 in (480 mm) **	26 in (650 mm) **
2 (or less)	600 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)
5	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)
10	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)
15	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)
20	100 (30)	125 (38)	140 (42)	260 (80)	400 (120)
25	80 (24)	100 (30)	110 (33)	200 (60)	275 (85)
30	60 (18)	75 (23)	90 (27)	130 (40)	200 (60)
35	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)
40	60 (18)	75 (23)	80 (24)	100 (30)	125 (38)
45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)
50	40 (12)	50 (15)	55 (17)	65 (20)	75 (23)

* Based on a failure point of 36 in (0.9 m) super silt fence (wire reinforced) at 1000 ft (303 m) of slope, watershed width equivalent to receiving length of sediment control device, 1 in/ 24 hr (25 mm/24 hr) rain event.
** Effective height of Sediment control after installation and with constant head from runoff as determined by Ohio State University.

SWPPP Cut Sheet - 1.1. Filtrexx® Sediment Control



FILTREXX® SEDIMENT CONTROL
NTS

Concrete Waste Management

DESCRIPTION
Concrete waste management prevents or reduces the discharge of pollutants to storm water by conducting washout offsite, performing onsite washout in a designated area, and training employees and subcontractors.

APPLICATIONS
The following low-cost measures will help reduce storm water pollution from concrete wastes:
- Store dry and wet materials under cover, away from drainage areas.
- Avoid mixing excess amounts of fresh concrete or cement onsite.
- Perform washout of concrete trucks offsite or in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped onsite except in designated areas.
- For onsite washout:
  - Locate washout area at least 50 feet from storm drains, open ditches, or water bodies. Prevent runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
  - Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed of properly.
- When washing concrete to remove fine particles and expose the aggregate, avoid creating runoff by draining the water to a bermed or level area.
- Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stock pile, or dispose in the trash.
- Train employees and subcontractors in proper concrete waste management.

LIMITATIONS
Offsite washout of concrete wastes may not always be possible.

MAINTENANCE REQUIREMENTS
Inspect subcontractors to ensure that concrete wastes are being properly managed.

If using a temporary pit, dispose of hardened concrete on a regular basis.

Applications
Perimeter Control
Slope Protection
Sediment Trapping
Channel Protection
Temporary Stabilization
Permanent Stabilization
✓ Waste Management
✓ Housekeeping Practices

Targeted Constituents
Sediment
Nutrients
Toxic Materials
Oil and Grease
Floatable Materials
✓ Construction Wastes

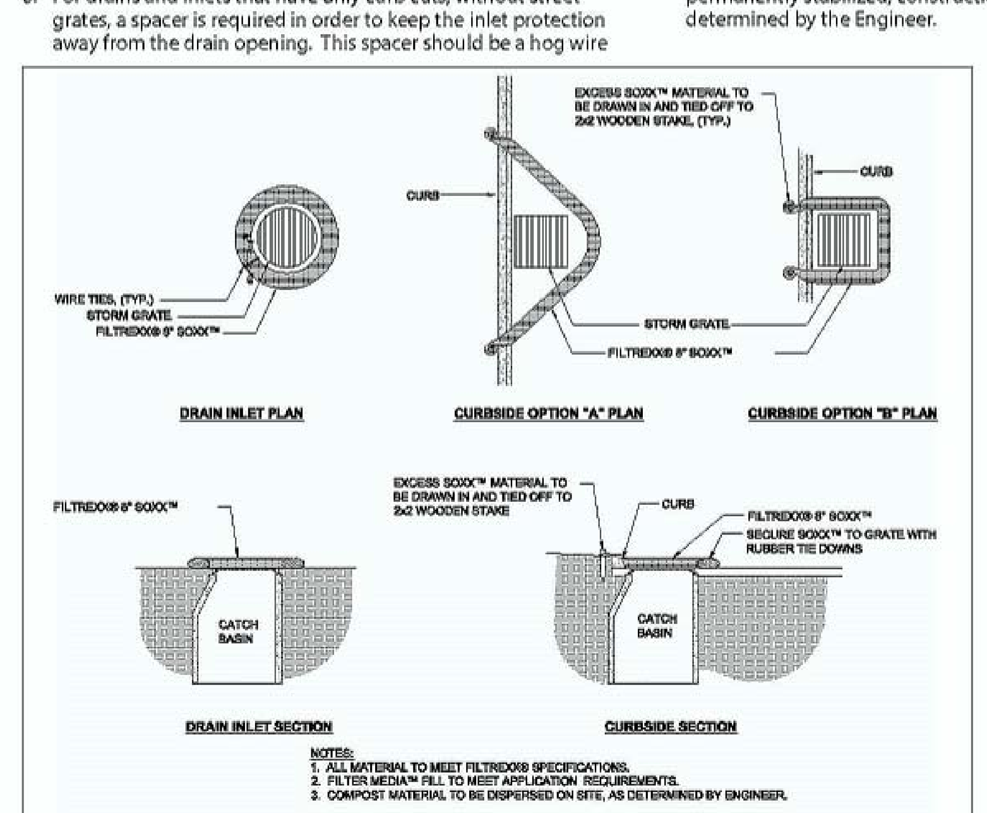
Impact
Significant
✓ Medium
Low
Unknown or Questionable

filtrexx®
SUSTAINABLE TECHNOLOGIES

INSTALLATION SPECIFICATION
INLET PROTECTION - Compost Filter Sock

INSTALLATION
1. Inlet protection shall be placed at locations indicated on plans as directed by the Engineer. Inlet protection should be installed in a pattern that allows complete protection of the inlet area.
2. Installation of curb inlet protection will ensure a minimal overlap of at least 1 ft (300mm) on either side of the opening being protected. Inlet protection will be anchored to the soil behind the curb using staples, stakes or other devices capable of holding the inlet protection in place.
3. Standard inlet protection for curb inlet protection and curb sediment containment will use 8 in (200mm) diameter inlet protection, and drain inlets on soil will use 12 in (300mm) or 18 in (450mm) diameter inlet protection. In severe flow situations, larger inlet protection may be specified by the Engineer. During curb installation, inlet protection shall be compacted to be slightly shorter than curb height.
4. If inlet protection becomes clogged with debris and sediment, they shall be maintained so as to assure proper drainage and water flow into the storm drain. In severe storm events, overflow of the inlet protection may be acceptable in order to keep the area from flooding.
5. Curb and drain inlet protection shall be positioned so as to provide a permeable physical barrier to the drain itself, allowing sediment to collect on the outside of the inlet protection.
6. For drains and inlets that have only curb cuts, without street grates, a spacer is required in order to keep the inlet protection away from the drain opening. This spacer should be a hog wire screen bent to overlap the grate opening and keep the sock from falling into the opening. Use at least one spacer for every 4 ft (1.2m) of curb drain opening. The wire grid also prevents other floatable waste from passing over the inlet protection.
7. Stakes shall be installed through the middle of the drain inlet protection on 5 ft (1.5m) centers, using 2 in (50mm) by 2 in (50mm) by 3 ft (1m) wooden stakes.
8. Staking depth for sand and silt loam soils shall be 12 in (300mm), and 8 in (200mm) for clay soils.

MAINTENANCE & DISPOSAL
1. The Contractor shall remove sediment at the base of the upslope side of the inlet protection when accumulation has reached 1/2 of the effective height of the inlet protection, or as directed by the Engineer. Alternatively, for drain inlet protection, a new Soxx may be placed on top of the original increasing the sediment storage capacity without soil disturbance.
2. Inlet protection shall be maintained until disturbed area above or around the device has been permanently stabilized and construction activity has ceased. Regular maintenance includes lifting the inlet protection and cleaning around and under them as sediment collects.
3. The FilterMedia will be removed from paved areas or dispersed on site soil or behind curb once disturbed area has been permanently stabilized, construction activity has ceased, or as determined by the Engineer.



FILTREXX® INLET PROTECTION
NTS

Refer to Design Specification for complete application, design, installation, maintenance, and removal documentation.

filtrexx.com | 877.542.7699 | info@filtrexx.com

Temporary Sediment Control
Gravel Bag Berm

Definition A gravel bag berm consists of a series of gravel-filled bags made of a woven polypropylene geotextile fabric abutted end to end to form a berm. Gravel bag berms can be used as a perimeter control and placed along the site perimeter to contain pollutants on site, they can be placed on the toe and face of slopes to intercept runoff and reduce flow velocity, and they can also be used around temporary stockpiles.

Purpose As a perimeter control, the gravel bag berm is used to intercept sediment-laden stormwater and prevent the sediment and associated pollutants from entering the street and the stormwater system. For specifications regarding gravel bag berm use on slopes, please refer to TSC – 5 Slope BMP: Fiber Roll or Gravel Bag. For specifications regarding gravel bag berm use around temporary stockpiles, please refer to WM – 5 Stockpile Management.

Conditions
Where the
Practice Applies
As a perimeter control, gravel bag berms can be used anywhere along the site perimeter, even on impermeable surfaces. All new and existing roadways, curbs, and gutters must be protected from sediment-laden runoff, are considered as perimeters of the site, and will need perimeter controls installed.

Specifications:
Design and
Installation
Gravel Bags
- Bags shall be woven polypropylene, polyethylene, or polyamide fabric.
- Minimum unit weight o f 8 ounces per square yard.
- Burst strength exceeding 200 lbs in conformance with ASTM designation D4632.
- Ultraviolet stability exceeding 70% in conformance with ASTM designation D4355.
- Each gravel-filled bag shall have a length of 24-32 inches, width of 16-20 inches, and mass of approximately 30-50 lbs.
- Fill material shall be between 3/8 and 1 inch in diameter.
- Fill material shall be free from clay balls, organic matter, sand or silt, and other deleterious material.

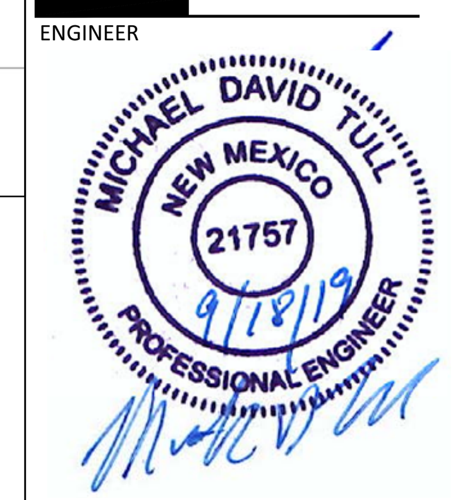
Installation Requirements
- Install along a level contour.
- Clear bedding area of obstructions one inch in diameter or larger.
- Place in single layer with ends abutted tightly and not overlapped.
- Use in conjunction with temporary soil stabilization.

Maintenance &
Inspection
- Inspect BMPs prior to forecast rain, daily during extended rain events, after rain events, and weekly throughout the life of the Project.
- Gravel bags exposed to sunlight will need to be replaced every two to three months due to degradation of the bags.
- Reshape or replace gravel bags as needed.
- Repair washouts or other damage as needed. Split or torn gravel bags must be repaired, if possible, or replaced.
- Inspect gravel bag berms for sediment accumulation. Sediment that accumulates in the BMP must be periodically removed in order to maintain BMP effectiveness. Sediment should be removed when the sediment accumulation reaches one-third of the barrier height. Sediment removed during maintenance must be disposed of in a proper place that will not allow contamination of the stormwater system.
- Properly dispose of gravel bags that have been damaged or are no longer needed and cannot be reused.

8505 Paseo Alameda | Albuquerque NM 87113 | 505-433-3693
green globe ENVIRONMENTAL

ARCHITECT

ENGINEER



PROJECT

LA VIDA LLENA MASTER PHASE 1-3
ALBUQUERQUE, NM

REVISIONS

DRAWN BY SLK
REVIEWED BY MDT
DATE 9/22/16
PROJECT NO.
DRAWING NAME
EROSION AND SEDIMENT CONTROL DETAILS AND NOTES

SHEET NO.
ESC 110
OF