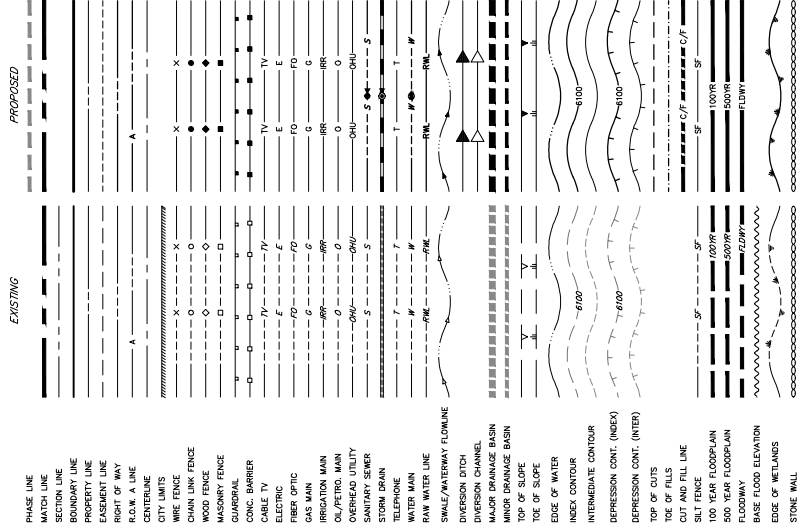


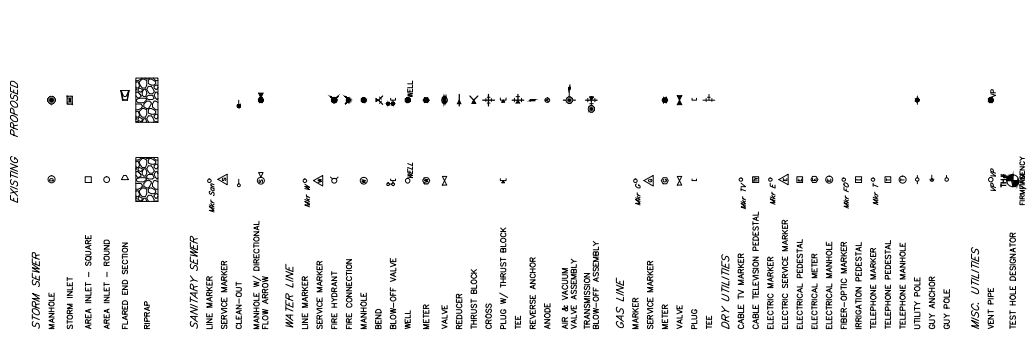
GRADING AND EROSION CONTROL STANDARD NOTES

1. CONTAMINATION OR DEGRADATION OF STATE WATERS SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, THAT MINIMIZES FLOODING OF ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
2. CONSTRUCTION SHALL BE TO RESTORE TO ORIGINAL OR BETTER CONDITION TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT APPLICABLE PASO COUNTY STANDARDS, INCLUDING THE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE IDENTIFIED, AND APPROVED, IN WRITING.
3. PERMITS AND STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETE AND IN PERSON AND THE SWMP SHALL BE FILED WITH PASO COUNTY. THE SWMP SHALL BE LOCATED ON-SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE EROSION PLAN IS APPROVED AND A NOTICE TO PROCEED HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL PERMANENT EROSION CONTROL MEASURES AS DESCRIBED IN THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE PROTECTION OF THE MEETING TIME AND PLACE WITH PASO COUNTY STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO SURFACE WATER. THE MEASURES SHALL BE MAINTAINED, MONITORED, AND MAINTAINED AS NEEDED THROUGHOUT CONSTRUCTION AND SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE WORK.
6. PERMANENT SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION MEASURES ARE IN PLACE AND IDENTIFIED AS NECESSARY TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOODPOOLS WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN THE SOIL IS COVERED WITH VEGETATION OR OTHER MEASURES THAT MAINTAIN PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR OTHER MEASURES THAT MAINTAIN PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY DEVIATIONS FROM THE APPROVED PLANS SHALL BE IDENTIFIED, AND APPROVED, IN WRITING.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESILIENT SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO AS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 20 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS REGION TO BE INFESTABLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. FINAL STABILIZATION MUST BE PROVIDED IN A MANNER THAT DOES NOT CAUSE POLLUTION OR THREATEN TO CAUSE POLLUTION. VEGETATION CONTROL MEASURES SHALL BE LOCATED PRIOR TO INSTALLATION OF THE CONTROL MEASURES FOR EROSION AND SEDIMENTATION.
12. ANY TEMPORARY PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, UNDER, OR THROUGH CONSTRUCTION ACTIVITIES SHALL BE DESIGNED AND CONSTRUCTED TO PREVENT FLOODING OF THE FACILITY, AND THE DISCHARGE OF SEWAGE OFF-SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS. CONCRETE WASH WATER SHALL BE STORED IN A CONTAINED AREA AND SHALL BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING LEAVING/TWENTY OPERATIONS OF UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DRAINAGE PERMIT IS IN PLACE.
15. EROSION CONTROL BLENDING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
16. CONSTRUCTION SHALL USE AND MAINTAIN EROSION CONTROL MEASURES AND CONSTRUCTION SHALL MAINTAIN EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. CONSTRUCTION SHALL BE BARRIERS, DUMPED, OR DISCHARGED AT THE SITE.
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY. CONSTRUCTION SHALL USE AND MAINTAIN EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. CONSTRUCTION SHALL BE BARRIERS, DUMPED, OR DISCHARGED AT THE SITE.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT WHICH IS NECESSARY FOR IMMEDIATE CONSTRUCTION. MATERIALS SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMITTED BY PASO COUNTY. CHEMICAL(S) STORAGE SHALL BE IN COMPLIANCE WITH PASO COUNTY REGULATIONS FOR STORAGE OF CHEMICAL(S). STORAGE SHALL BE IN COMPLIANCE WITH PASO COUNTY REGULATIONS FOR STORAGE OF CHEMICAL(S).
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 45 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY LIQUID CHEMICALS FROM ENTERING STATE WATERS. ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEMS OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH AN APPROVED SEDIMENT CONTROL MEASURES.
24. OWNER/CONTRACTOR AND THEIR AGENTS SHALL COMPLY WITH THE COLORADO WATER QUALITY CONTROL ACT (TITLE 26, COLORADO STATUTES), WHICH APPLIES TO ALL CONSTRUCTION OF NEW AND EXISTING WATERSHEDS IN THE STATE OF COLORADO. ALL APPLICABLE PERMITS AND REGULATIONS SHALL BE OBTAINED BY THE OWNER/CONTRACTOR PRIOR TO THE ANTICIPATED START OF CONSTRUCTION FOR PROJECTS THAT WILL DISTURB ONE OR MORE WATERSHEDS. THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY DIVISION, THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP) OF CONSTRUCTION AND EROSION CONTROL. THIS MAY BE A PART OF AN INFORMATION ON APPLICATION INTERVIEW CONTACT: COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT WATER QUALITY DIVISION DIVISION OF PERMITS AND REGULATIONS 1500 SOUTH WOOD - PERMITS DIVISION DENVER, CO 80202-1500 ATTN: PERMITS UNIT

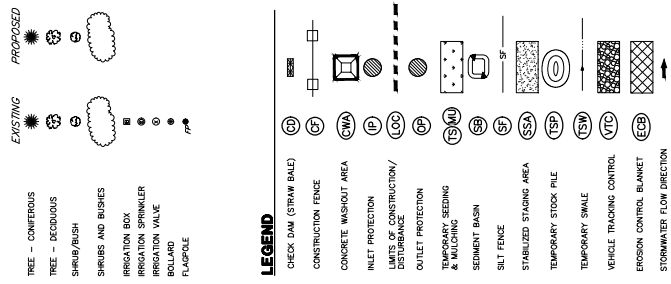
LAYER LINETYPE LEGEND



UTILITIES LEGEND



LANDSCAPE LEGEND



ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR
 ENGINEERING
 GLEN D. ELLIS, P.E.
 FOR AND ON BEHALF OF JR ENGINEERING, INC.
 07/15/2024
 LICENSE NO. 15615

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JR ENGINEERING
A WASHINGTON COMPANY
Central 303-740-8888 • Colorado Springs 719-593-2583
Fort Collins 970-691-8888 • www.jr-engineering.com

NO.	REVISION	BY	DATE
1			
2			

H-SCALE	1" = 2'
V-SCALE	1" = 1'
DATE	01/26/21
DESIGNED BY	RPD
DRAWN BY	RPD
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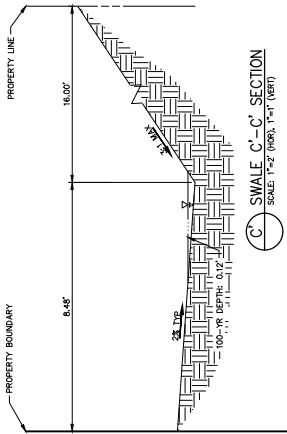
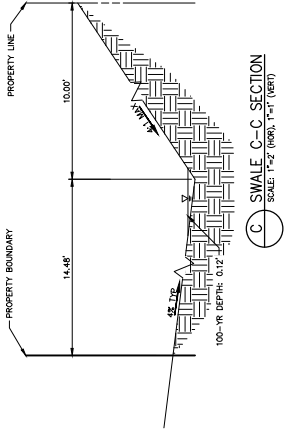
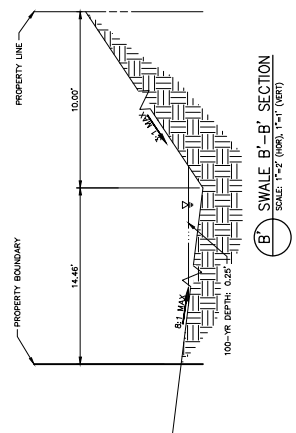
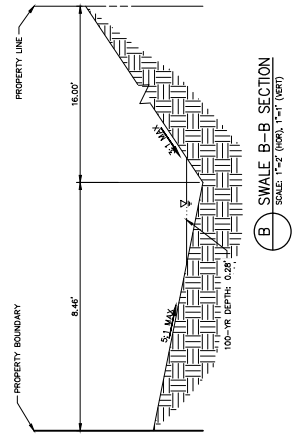
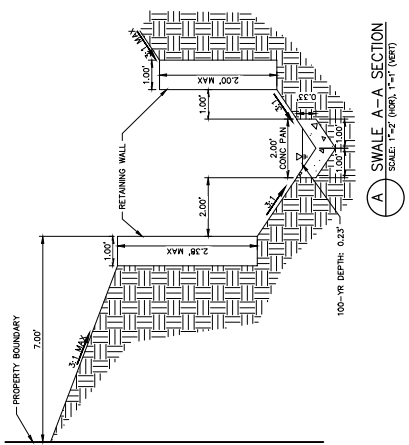
URBAN COLLECTION AT PALMER VILLAGE
SWALE CROSS SECTIONS
GEC PLANS

SHEET 3 OF 10
JOB NO. 23148.01

ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
GLENN D. ELLIS, P.E.
07/15/2021
FOR AND ON BEHALF OF JR ENGINEERING



SF-20-028 EPC 9/7/2021



SWALE SECTION NOTES
1. ALL SWALE SECTIONS ARE FACING UPSTREAM (WEST).
2. SURFACE FINISHES ARE TO BE DETERMINED BY OTHERS FOR PROPOSED SURFACE MATERIAL.

PREPARED FOR
MDC HOLDINGS
 RICHMOND AMERICAN HOMES
 DENVER, CO 80237
 ATTN: JASON POK
 720-977-5827

A WHOLESALE COMPANY
J.R. ENGINEERING
 4350 S. MONACO STREET
 CENTRAL 303-760-0393 • COLORADO SPRINGS 703-693-2939
 FORT COLLINS 970-671-9988 • WWW.JRENG.COM

NO.	REVISION	BY	DATE
1	"	30"	
H-SCALE 1"=30'			
DATE	07/26/23	DESIGNED BY	MCS
DESIGNED BY	MCS	DRAWN BY	MCS
CHECKED BY	MCS		

LEGEND

(CB) CHECK DAM (STRAW BALE)	(E) EROSION CONTROL BLENDED TOPSOIL	(SM) STORMWATER MANHOLE
(CF) CONSTRUCTION FENCE	(F) FILL	(S) SWALE
(CN) CONCRETE CURB AND GUTTER	(P) PROP. POND	(ST) STORMWATER TRACKING CONTROL
(CMA) CONCRETE MASHOUT AREA	(PVC) PROP. VEHICLE TRACKING CONTROL	(VC) VEHICLE TRACKING CONTROL
(IP) INLET PROTECTION	(R) ROADWAY	(ECB) EROSION CONTROL BLANKET
(M) MUD TRAP	(SA) STABILIZED STAGING AREA	(S) SWALE
(O) OUTLET PROTECTION	(TS) TEMPORARY STOCK PILE	(T) TEMPORARY TRACKING CONTROL
(NS) NESTING SITES	(T) TEMPORARY STOCK PILE	(VT) VEHICLE TRACKING CONTROL
(P) PROP. POND	(S) SWALE	(VC) VEHICLE TRACKING CONTROL
(PVC) PROP. VEHICLE TRACKING CONTROL	(ST) STORMWATER TRACKING CONTROL	(VC) VEHICLE TRACKING CONTROL
(R) ROADWAY	(SA) STABILIZED STAGING AREA	(VC) VEHICLE TRACKING CONTROL
(T) TEMPORARY TRACKING CONTROL	(S) SWALE	(VC) VEHICLE TRACKING CONTROL
(VT) VEHICLE TRACKING CONTROL	(S) SWALE	(VC) VEHICLE TRACKING CONTROL

STORMWATER FLOW DIRECTION

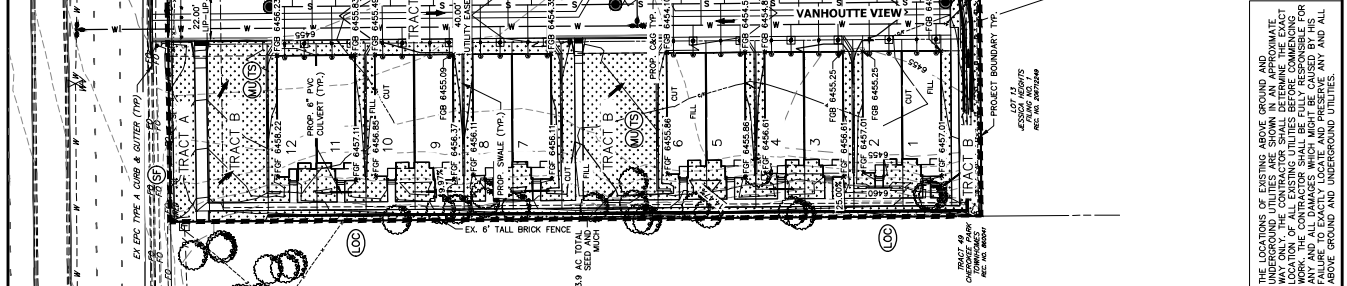
GRADING, EROSION AND STORMWATER QUALITY CONTROL PLAN NOTES

- SEE SHEETS 3-5 FOR LIMITS OF SEED AND MULCH AREAS, TOTAL AMOUNT TO RECEIVE.
- ALL ROADWAY & DRIVE AREAS WILL BE ASPHALT.
- SEE STORM SEWER & POND IMPROVEMENT PLANS FOR DETAILED DESIGN OF PROPOSED.
- PROP. FINISHED GRADE @ FRONT OF BUILDING.
- PROP. FINISHED GRADE @ REAR OF BUILDING.
- THERE WILL BE NO PHASING FOR THIS PROJECT.
- THE EXISTING VEGETATION CONSISTS OF NATIVE GRASSES, AND A FEW SHRUBS AND TREES.

KNOW WHAT'S BELOW.
 CALL BEFORE YOU DIG.
 811

ORIGINAL SCALE: 1" = 30'
 30 15 0 30 60

ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 GLEN D. ELLIS, P.E.,
 FOR AND ON BEHALF OF JR ENGINEERING, INC.
 07/15/2023



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY AND ALL CONSTRUCTION. THE DESIGNER SHALL BE RESPONSIBLE FOR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

SF-20-028 EPC 9/7/2021

DESIGNED BY	MCS
DRAWN BY	MCS
CHECKED BY	
DATE	07/26/21
Y-SCALE	1"=3'
H-SCALE	1"=30'
NO. REVISION	
BY	
DATE	

MDC HOLDINGS
 4350 S MONACO STREET
 DENVER, CO 80227
 ATTN: JASON POOK
 720-977-3827
 PREPARED FOR
 RICHMOND AMERICAN HOMES

J-R ENGINEERING
 A Wharton Company
 Central 370-70-0093 • Colorado Springs 703-693-2939
 Fort Collins 970-491-9999 • www.jrengr.com

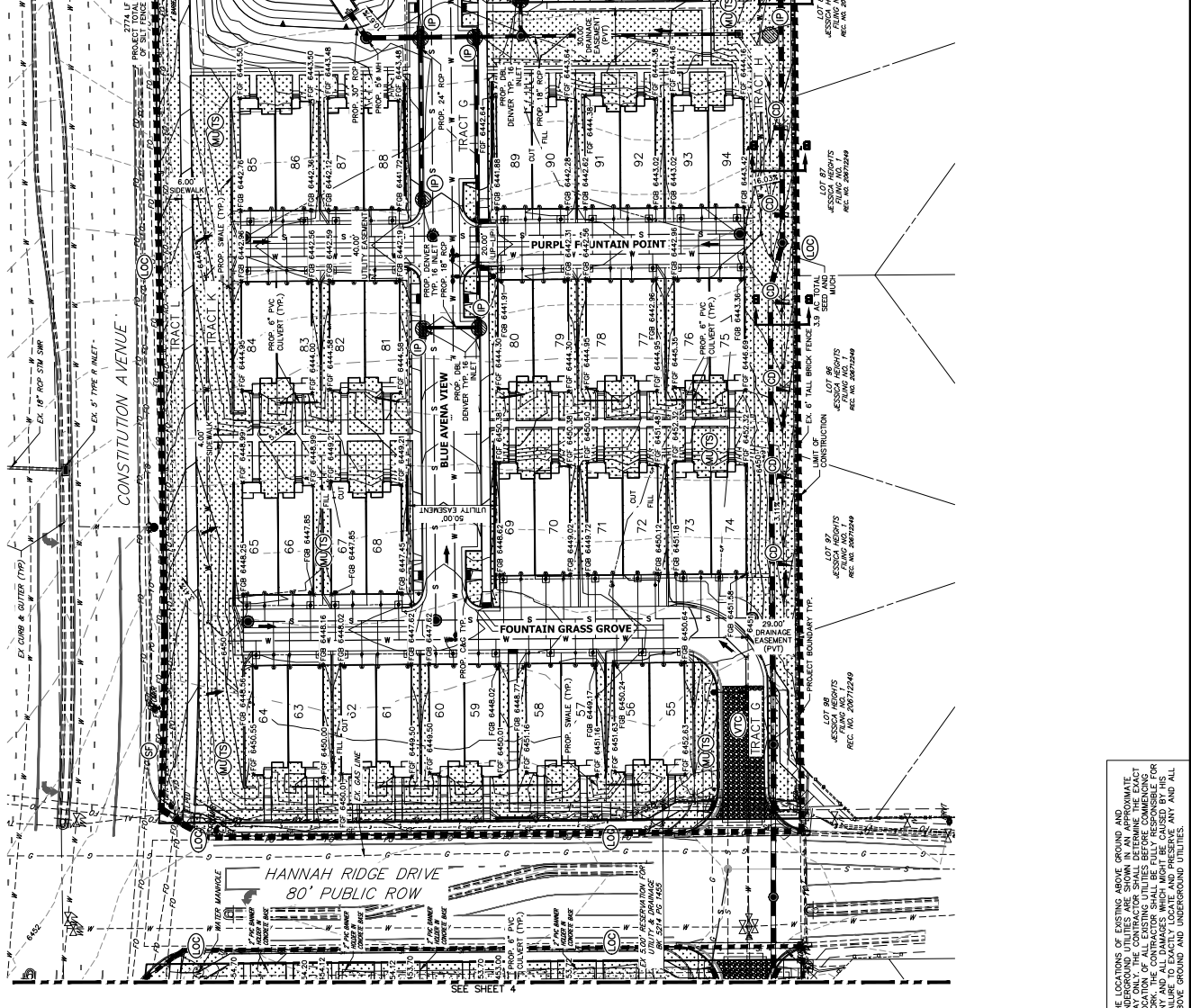
UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, AN ENGINEER'S APPROVAL FOR THEIR USE IS NOT VALID. APPROVED FOR THE PROPOSER DESIGNATED BY WRITER AUTHORIZATION.

ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 GLEN D. ELLIS, P.E.
 FOR AND ON BEHALF OF JR ENGINEERING

Know what's below. Call before you dig.
 ORIGINAL SCALE: 1" = 30'
 30 15 0 30 60

LEGEND
 CHECK DAM (STRAW BALE)
 CONSTRUCTION FENCE
 CONCRETE WASHOUT AREA
 INLET PROTECTION
 LIMITS OF CONSTRUCTION/
 OUTLET PROTECTION
 TEMPORARY SEEDING & MULCHING
 SEDIMENT BASIN
 SILT FENCE
 STABILIZED STAGING AREA
 TEMPORARY STOCK PILE
 TEMPORARY SWALE
 VEHICLE TRACKING CONTROL
 EROSION CONTROL BLANKET
 STORMWATER FLOW DIRECTION

GRADING, EROSION AND STORMWATER QUALITY CONTROL PLAN NOTES
 1. SEE SHEETS 3-5 FOR LIMITS OF SEED AND MULCH AREAS, TOTAL AMOUNT TO RECEIVE TEMPORARY SEED & MULCH IS 10.83 AC.
 2. SEE SHEETS 3-5 FOR SHADING AND MULCHING AREAS.
 3. SEE SYSTEM SEVERITY & POND IMPROVEMENT PLANS FOR DETAILED DESIGN OF PROPOSED IMPROVEMENTS.
 4. FGP= FINISHED GRADE @ FRONT OF BUILDING
 5. FBR= FINISHED GRADE @ REAR OF BUILDING
 6. THERE WILL BE NO PHASING FOR THIS PROJECT
 7. THE EXISTING VEGETATION CONSISTS OF NATIVE GRASSES, AND A FEW SHRUBS AND TREES.



THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING ANY AND ALL WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

DATE	07/26/21
DESIGNED BY	MCS
CHECKED BY	MCS
H-SCALE	1" = 30'
V-SCALE	1" = 3'
NO.	REVISION
BY	DATE

MDC HOLDINGS
 4350 S MONACO STREET
 DENVER, CO 80227
 ATTN: JASON POK
 720-977-3827
 PREPARED FOR

J-R ENGINEERING
 A Western Company
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 Fort Collins 970-491-9999 • www.jrengr.com

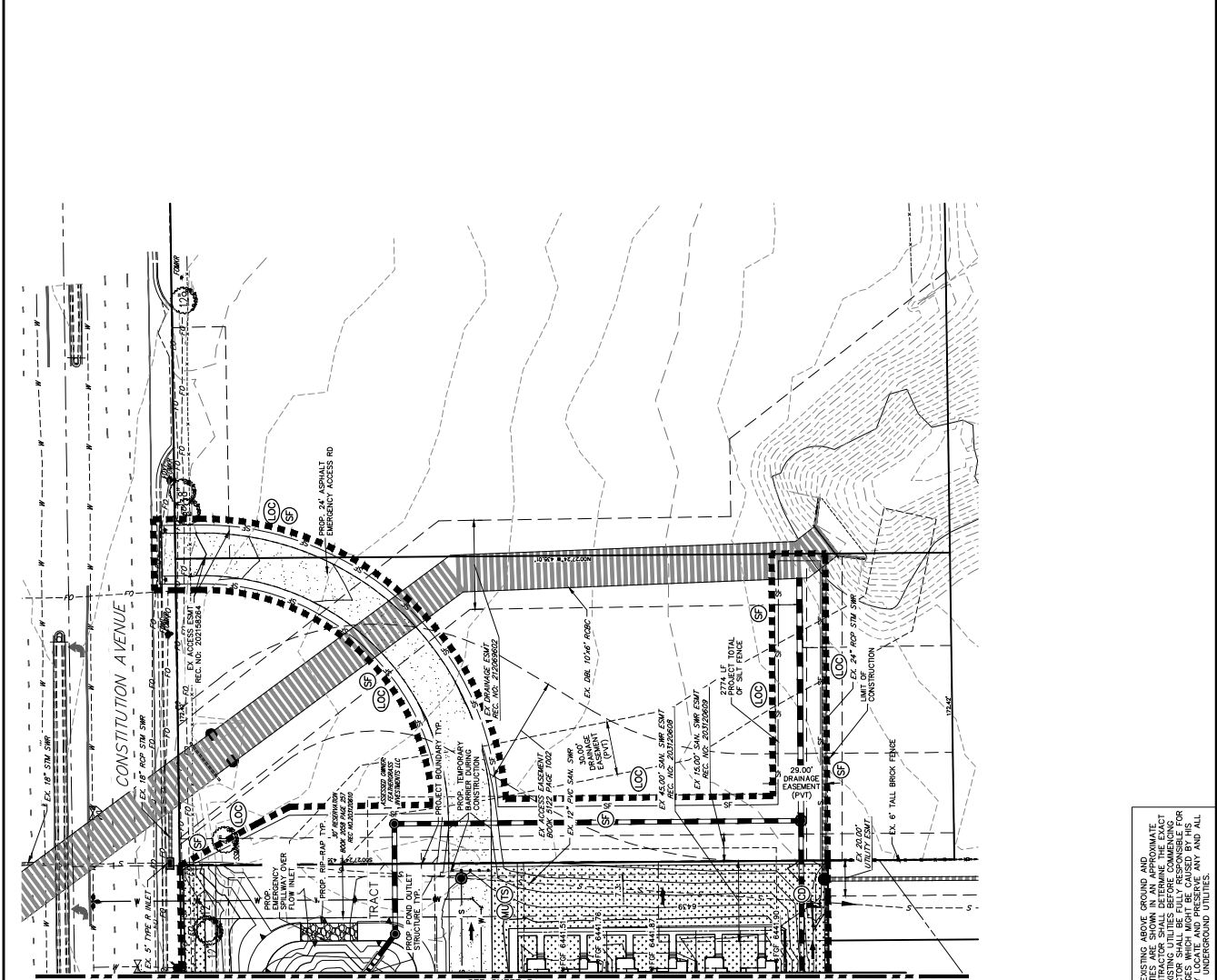
UNTIL SUCH TIME AS APPROVED BY THE AGENCIES IN CHARGE OF THESE PERMITS ARE APPROVED BY THE AGENCIES IN CHARGE OF THESE PERMITS. APPROVED FOR THE PROJECT BY WRITER AUTHORIZATION.
 RICHMOND AMERICAN HOMES
 DENVER, CO 80227
 APPROVED FOR THE PROJECT BY WRITER AUTHORIZATION.

URBAN COLLECTION AT PALMER VILLAGE
 ENGINEER'S STATEMENT
 PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR ENGINEERING
 GLEN D. ELLIS, P.E.
 07/15/2021
 FOR AND ON BEHALF OF JR ENGINEERING

Know what's below.
 Call before you dig.
 ORIGINAL SCALE: 1" = 30'
 30 15 0 30 60

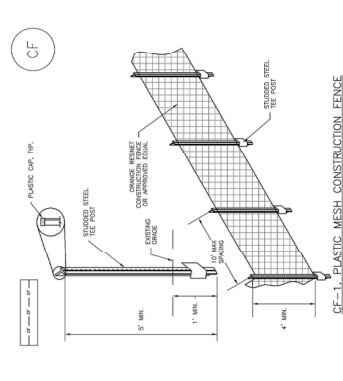
LEGEND
 CHECK DAM (STRAW BALE)
 CONSTRUCTION FENCE
 CONCRETE WASHOUT AREA
 INLET PROTECTION
 LIMITS OF CONSTRUCTION/
 LIMITS OF IMPROVEMENTS
 OUTLET PROTECTION
 TEMPORARY SEEDING & MULCHING
 SEDIMENT BASIN
 SILT FENCE
 STABILIZED STAGING AREA
 TEMPORARY STOCK PILE
 TEMPORARY SWALE
 VEHICLE TRACKING CONTROL
 EROSION CONTROL BLANKET
 STORMWATER FLOW DIRECTION

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 2. SEE SHEETS 3-5 FOR LIMITS OF EROSION CONTROL IMPROVEMENTS.
 3. SEE STORM SEWER & FLOOD IMPROVEMENT PLANS FOR DETAILED DESIGN OF PROPOSED IMPROVEMENTS.
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THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER. THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING CONSTRUCTION SHOULD BE VERIFIED BY THE CONTRACTOR. ANY AND ALL DAMAGES SHOULD BE THE CAUSED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.

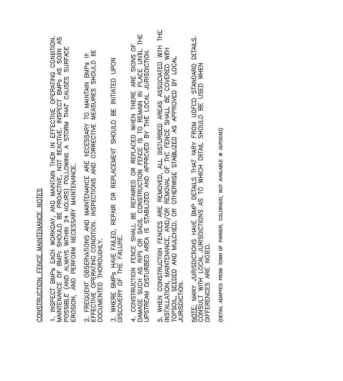
SM-3 Construction Fence (CF)



- CF-1. PLASTIC MESH CONSTRUCTION FENCE**
- CONSTRUCTION FENCE INSTALLATION NOTES
1. THE LOCATION OF CONSTRUCTION FENCE.
 2. CONSTRUCTION FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONSTRUCTION-SPECIFIC MATERIAL. THERE IS AT LEAST 18\"/>

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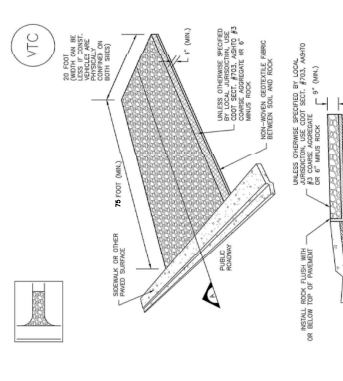
SM-3 Construction Fence (CF)



- CF-1. PLASTIC MESH CONSTRUCTION FENCE**
- CONSTRUCTION FENCE INSTALLATION NOTES
1. INSPECT BUMP LATCH MECHANISM AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. PRESURE AND AIRWAYS WITHIN BUMP LATCH FOLLOWING A STRIKE THAT CAUSES SURFACE DAMAGE SHALL BE REPAIRED IMMEDIATELY.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BUMP LATCH MECHANISM IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MAINTENANCE SHOULD BE DOCUMENTED THROUGHOUT.
 3. A CONSTRUCTION FENCE SHALL BE REPLACED WHEN BUMPING OR STRIKING OF THE FENCE RESULTS IN DAMAGE TO THE BUMP LATCH MECHANISM. THE FENCE SHALL BE REPAIRED IMMEDIATELY. THE REPAIRS SHALL BE APPROVED BY THE LOCAL JURISDICTION. THE REPAIRS SHALL BE DOCUMENTED THROUGHOUT.
 4. INSPECTION AND MAINTENANCE ARE NECESSARY TO MAINTAIN BUMP LATCH MECHANISM IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MAINTENANCE SHOULD BE DOCUMENTED THROUGHOUT.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

SM-4 Vehicle Tracking Control (VTC)



- VTC-1. AGGREGATE VEHICLE TRACKING CONTROL**
- VEHICLE TRACKING CONTROL NOTES
1. THE PLAN VIEW FOR CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 2. CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 3. A STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 4. STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.

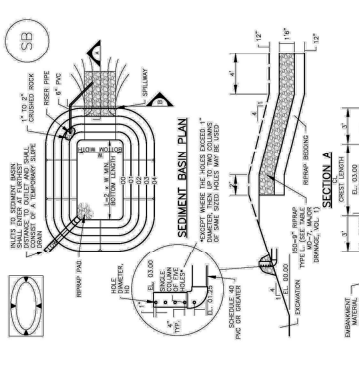
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SM-4 Vehicle Tracking Control (VTC)

- STABILIZED CONSTRUCTION ENHANCEMENT INSTALLATION NOTES
1. THE PLAN VIEW FOR CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 2. CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 3. A STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 4. STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

SC-7 Sediment Basin (SB)



- SC-7 Sediment Basin (SB)**
- SEDIMENT BASIN INSTALLATION NOTES
1. THE PLAN VIEW FOR CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 2. CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 3. A STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 4. STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.

August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

SC-7 Sediment Basin (SB)

TABLE SB-1. SIZING INFORMATION FOR STORMWATER SEDIMENT BASIN

Stormwater Basin Type	Basin Length (ft)	Basin Width (ft)	Basin Depth (ft)	Basin Volume (cu ft)
1	12.5	3	2	75
2	15	3	2	90
3	17.5	3	2	105
4	20	3	2	120
5	22.5	3	2	135
6	25	3	2	150
7	27.5	3	2	165
8	30	3	2	180
9	32.5	3	2	195
10	35	3	2	210
11	37.5	3	2	225
12	40	3	2	240
13	42.5	3	2	255
14	45	3	2	270
15	47.5	3	2	285
16	50	3	2	300
17	52.5	3	2	315
18	55	3	2	330
19	57.5	3	2	345
20	60	3	2	360

- SC-7 Sediment Basin (SB)**
- SEDIMENT BASIN INSTALLATION NOTES
1. THE PLAN VIEW FOR CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 2. CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 3. A STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 4. STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.

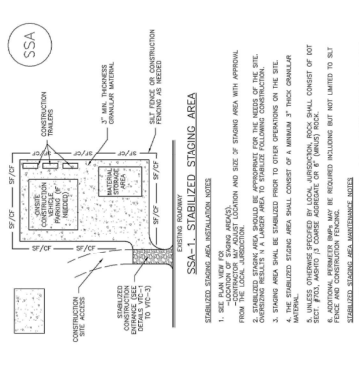
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SC-7 Sediment Basin (SB)

- SC-7 Sediment Basin (SB)**
- SEDIMENT BASIN INSTALLATION NOTES
1. THE PLAN VIEW FOR CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
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SM-6 Stabilized Staging Area (SSA)



- SM-6 Stabilized Staging Area (SSA)**
- STABILIZED STAGING AREA INSTALLATION NOTES
1. THE PLAN VIEW FOR CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 2. CONSTRUCTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
 3. A STABILIZED CONSTRUCTION ENHANCEMENT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
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Know what's below. Call before you dig.

ENGINEER'S STATEMENT

APPROVED FOR THE REVIEW AND APPLICATION ON THIS PROJECT

SCOTT D. ELIS, P.E., C.E., F.A.S.TE

FOR AND ON BEHALF OF J.R. ENGINEERING, INC.

7/15/2023

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7/15/2023

MM-1 Concrete Washout Area (CWA) November 2010 Urban Storm Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

CONCRETE WASHOUT AREA

- INSTALL PERMANENT CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL SHALL BE INSTALLED AT THE TOP OF THE SLOPE, AT THE END OF THE SLOPE, AND AT THE END OF THE SLOPE. THE SLOPE SHALL BE PROTECTED WITH PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL.
- INSTALL PERMANENT CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL SHALL BE INSTALLED AT THE TOP OF THE SLOPE, AT THE END OF THE SLOPE, AND AT THE END OF THE SLOPE. THE SLOPE SHALL BE PROTECTED WITH PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL.
- STABILIZE THE STORMWATER SURFACE WITH STORMWATER CONTROL, STORMWATER CONTROL, AND EROSION CONTROL. PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL SHALL BE INSTALLED AT THE TOP OF THE SLOPE, AT THE END OF THE SLOPE, AND AT THE END OF THE SLOPE. THE SLOPE SHALL BE PROTECTED WITH PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL.
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Figure EGB-1
Erosion Prevention Treatments
City of Colorado Springs
Storm Water Quality
November 2010

MM-2 Stockpile Management (SP) November 2010 Urban Storm Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

STOCKPILE PROTECTION PLAN

SECTION A

SP-1 - STOCKPILE PROTECTION

- INSTALL PERMANENT CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL SHALL BE INSTALLED AT THE TOP OF THE SLOPE, AT THE END OF THE SLOPE, AND AT THE END OF THE SLOPE. THE SLOPE SHALL BE PROTECTED WITH PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL.
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Figure EGB-2
Erosion Prevention Treatments
City of Colorado Springs
Storm Water Quality
November 2010

MM-2 Stockpile Management (SM) November 2010 Urban Storm Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

MULCHING NOTES

INSTALLATION REQUIREMENTS

- MATERIALS SHALL BE APPLIED EVENLY AT A RATE OF 2 TO 3 TONS PER 1000 SQ. FT. OF AREA TO BE MULCHED.
- MATERIALS SHALL BE APPLIED EVENLY AT A RATE OF 2 TO 3 TONS PER 1000 SQ. FT. OF AREA TO BE MULCHED.
- MATERIALS SHALL BE APPLIED EVENLY AT A RATE OF 2 TO 3 TONS PER 1000 SQ. FT. OF AREA TO BE MULCHED.
- MATERIALS SHALL BE APPLIED EVENLY AT A RATE OF 2 TO 3 TONS PER 1000 SQ. FT. OF AREA TO BE MULCHED.

Maintenance Requirements

- REGULAR INSPECTIONS ARE TO BE MADE OF ALL MULCHING OPERATIONS TO DETERMINE THE CORRECT HEIGHT OF THE MULCH.
- REPLACE MULCH AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE MULCH.
- REPLACE MULCH AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE MULCH.

Figure MU-1
Mulching Stormwater Quality
City of Colorado Springs
November 2010

MM-2 Straw Bale Check Dam November 2010 Urban Storm Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

A. ROCK DAM

B. STRAW BALE CHECK DAM

C. SPACING CHECK DAMS

INSTALLATION REQUIREMENTS

- INSTALL PERMANENT CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL SHALL BE INSTALLED AT THE TOP OF THE SLOPE, AT THE END OF THE SLOPE, AND AT THE END OF THE SLOPE. THE SLOPE SHALL BE PROTECTED WITH PERMANENT CONTROLS INCLUDING STORMWATER CONTROL, SOIL EROSION CONTROL, AND EROSION CONTROL.
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Figure CC-1
Check Dam Stormwater Quality
City of Colorado Springs
November 2010

MM-2 Straw Bale Barrier November 2010 Urban Storm Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

INSTALLATION REQUIREMENTS

- MATERIALS SHALL BE APPLIED EVENLY AT A RATE OF 2 TO 3 TONS PER 1000 SQ. FT. OF AREA TO BE MULCHED.
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Maintenance Requirements

- REGULAR INSPECTIONS ARE TO BE MADE OF ALL MULCHING OPERATIONS TO DETERMINE THE CORRECT HEIGHT OF THE MULCH.
- REPLACE MULCH AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE MULCH.
- REPLACE MULCH AS NECESSARY TO MAINTAIN THE CORRECT HEIGHT OF THE MULCH.

Figure SB-2
Straw Bale Barrier Stormwater Quality
City of Colorado Springs
November 2010

City of Colorado Springs

J-R ENGINEERING

Prepared for: MDC HOLDINGS RICHMOND AMERICAN HOMES 4350 S. MONACO STREET DENVER, CO 80221

Checked by: JASON POK

Designed by: JASON POK

Drawn by: JASON POK

Date: 07/26/21

Scale: N/A

Revision: N/A

Sheet: 9 of 10

Project: URBAN COLLECTION AT PALMER VILLAGE DETAILS GEC PLANS

ENGINEER'S STATEMENT

I, the undersigned, have reviewed the plans and specifications for the above project and hereby certify that they conform to the requirements of the applicable laws, rules, and regulations of the City of Colorado Springs.

GLENN D. ELLIS, P.E.
Professional Engineer
No. 00715202

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811

City of Colorado Springs
Stormwater Quality

