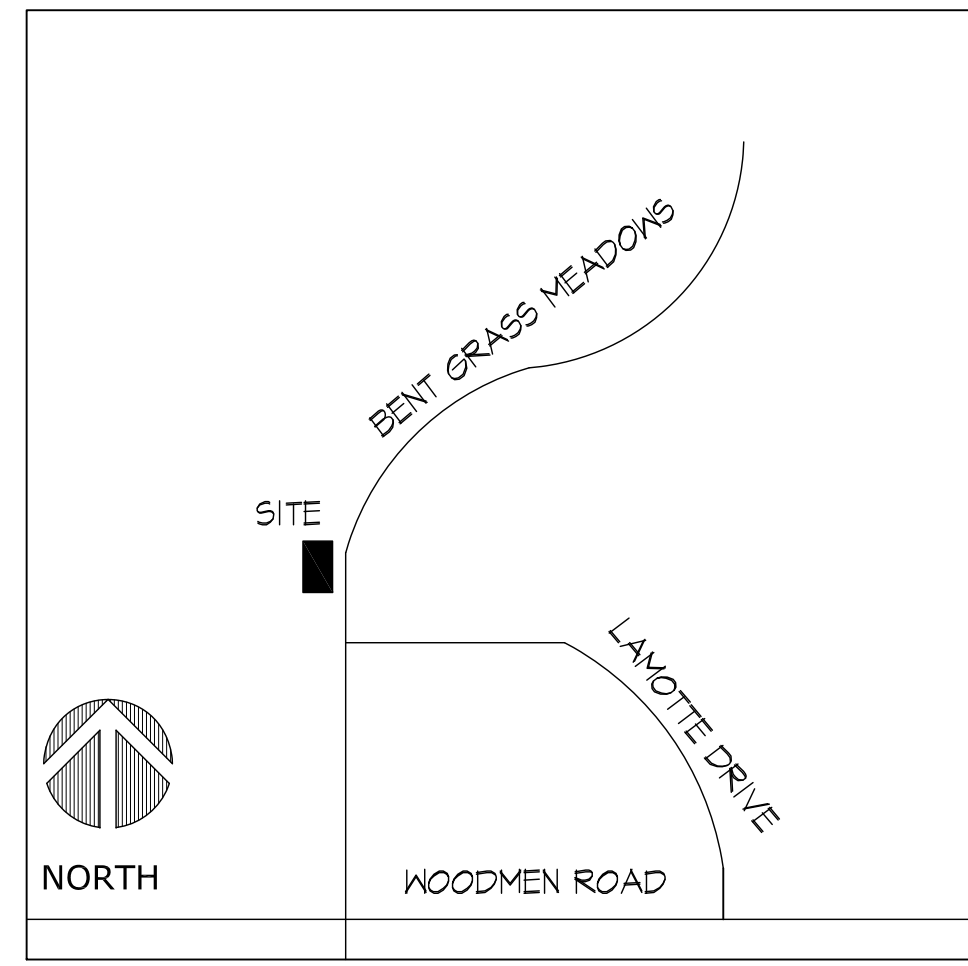


MAJOR DEVELOPMENT PLAN AMENDMENT

PART W 1/2 SEC 1, T 13 S, R 65 W, 6th PM FALCON, COLORADO



VICINITY MAP

NOT TO SCALE

LEGAL DESCRIPTION

A parcel of land being a portion of the West one-half of Section 1, Township 13 South, Range 65 West of the 6th Principal Meridian, situate in El Paso County, Colorado, described as follows: Beginning at the Northwest corner of Laigo Business Center Filing No. 1 (Reception No. 205075726, El Paso County, Colorado records) (all bearings in this description are relative to the West line of the Southwest one-quarter of said Section 1, which bears North 00 degrees 16 minutes 02 seconds East "assumed"); Thence North 00 degrees 16 minutes 02 seconds East along said Section 1's Southwest one-quarter's West line, said line also being coincident with the Northerly extension of the Westerly line of said Filing, 501.15 feet; Thence South 89 degrees 43 minutes 58 seconds East, 493.97 feet to a point on the Westerly right-of-way line of the proposed extension of Bent Grass Meadows Drive (80' r.o.w.), as platted in said Filing; The following three (3) courses are along said Drive's Westerly right-of-way line: 1.) South 24 degrees 14 minutes 14 seconds West, 53.65 feet; 2.) On a curve to the left, said curve having a central angle of 23 degrees 58 minutes 12 seconds, a radius of 605.00 feet, an arc length of 253.11 feet; 3.) South 00 degrees 16 minutes 02 seconds West, 206.48 feet to the Northeast corner of Lot 1, said Filing; Thence North 89 degrees 42 minutes 50 seconds West along the Northerly line of said Lot 1, 420.00 feet to the Point of Beginning, County of El Paso, State of Colorado. And containing 5.004 acres

SETBACKS

BUILDING SETBACKS
WOODMEN ROAD: 50 FEET
POWERS BOULEVARD: 50 FEET
ANY OTHER PUBLIC STREET: 25 FEET
SIDE AND REAR: 5 FEET

LANDSCAPE SETBACKS
WOODMEN ROAD: 40 FEET
POWERS BOULEVARD: 40 FEET
ANY OTHER PUBLIC STREET: 25 FEET
SIDE AND REAR: 5 FEET

ZONING

I-2

DEVELOPMENT SCHEDULE

WINTER 2021

OWNER/DEVELOPER

FALCON STORAGE PARTNERS LLLC
4615 NORTH PARK DRIVE
COLORADO SPRINGS, COLORADO 80918-3857
RICHARD GRAHAM
PHONE: (719) 440-9414
EMAIL: grahaminvestments@gmail.com

APPLICANT

JOHN DAVIS DESIGN GROUP
176 TALAMINE COURT, SUITE 100
COLORADO SPRINGS, COLORADO 80907
JOHN DAVIS
PHONE: (719) 528-1177
EMAIL: john@jddg.info

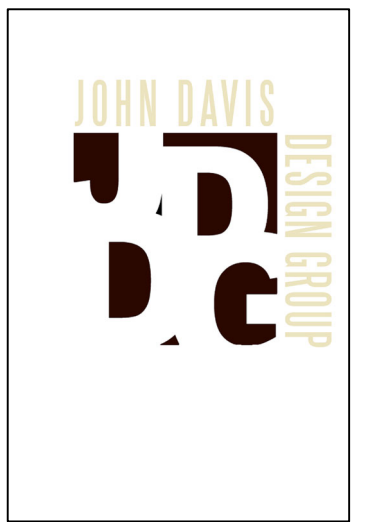
PLAN PREPARER

JOHN DAVIS DESIGN GROUP
176 TALAMINE COURT, SUITE 100
COLORADO SPRINGS, COLORADO 80907
JOHN DAVIS
PHONE: (719) 528-1177
EMAIL: john@jddg.info

PROJECT ADDRESS: 7630 BENT GRASS MEADOWS DRIVE
TAX SCHEDULE NUMBER: 53010-00-018
EXISTING LAND USE: STORAGE
PROPOSED LAND USE: RV STORAGE
MAXIMUM BUILDING HEIGHT: 50 FEET
LOT AREA: 217,957 S.F. (5.0036 ACRES)
NOTE:
THERE IS NO ASPHALT PAVEMENT ASSOCIATED WITH THIS PROJECT.

INDEX TO DRAWINGS

SDP 1.1	COVER SHEET
SDP 1.2	SITE DEVELOPMENT PLAN
SHEET 1 OF 4	GRADING AND EROSION CONTROL PLAN
SHEET 2 OF 4	GRADING AND EROSION CONTROL PLAN
SHEET 3 OF 4	EROSION CONTROL PLAN DETAILS
SHEET 3 OF 4	EROSION CONTROL PLAN DETAILS
L1.0	FINAL LANDSCAPE PLAN
L2.0	FINAL LANDSCAPE PLAN DETAILS
PP1.0	PHOTOMETRIC PLAN



JOHN DAVIS
DESIGN GROUP

ARCHITECTS
INTERIORS
PLANNERS

176 TALAMINE COURT
SUITE 100
COLORADO SPRINGS,
COLORADO 80907
P 719/528-1177
F 719/444-8409

DO NOT SCALE
DRAWINGS FOR
CONSTRUCTION
PURPOSES

THESE DRAWINGS ARE THE PROPERTY OF
JDDG ARCHITECTS. THEY SHALL BE USED
FOR THE SOLE PURPOSE OF CONSTRUCTING
THIS PROJECT. THEY SHALL NOT BE
REPRODUCED AND USED FOR THE PURPOSE
OF CONSTRUCTION DOCUMENTS FOR ANY
OTHER PROJECTS.

COVER SHEET
NEW RV STORAGE FOR:
FALCON STORAGE
PART W 1/2 SEC 1, T 13 S, R 65 W, 6th PM
PEYTON, COLORADO

PROJECT NO.	202129
DATE	JUNE 21, 2021
DRAWN BY	JRD
CHECKED	JRD
APPROVED	JRD
REVISED	
REVIEWED BY PER EASO	
CONVEYANCE PLANNING	
DEPARTMENTS	
COMMENTS	
	8/28, 2022
	DECEMBER 12, 2022

SHEET
SDP1.1



JOHN DAVIS
DESIGN GROUP

ARCHITECTS
INTERIORS
PLANNERS

176 TALAMINE COURT
SUITE 100
COLORADO SPRINGS,
COLORADO 80907
P 719/528-1177
F 719/444-8409

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OF CONSTRUCTION DOCUMENTS FOR ANY
OTHER PROJECTS.

SITE DEVELOPMENT PLAN

NEW RV STORAGE FOR:

FALCON STORAGE

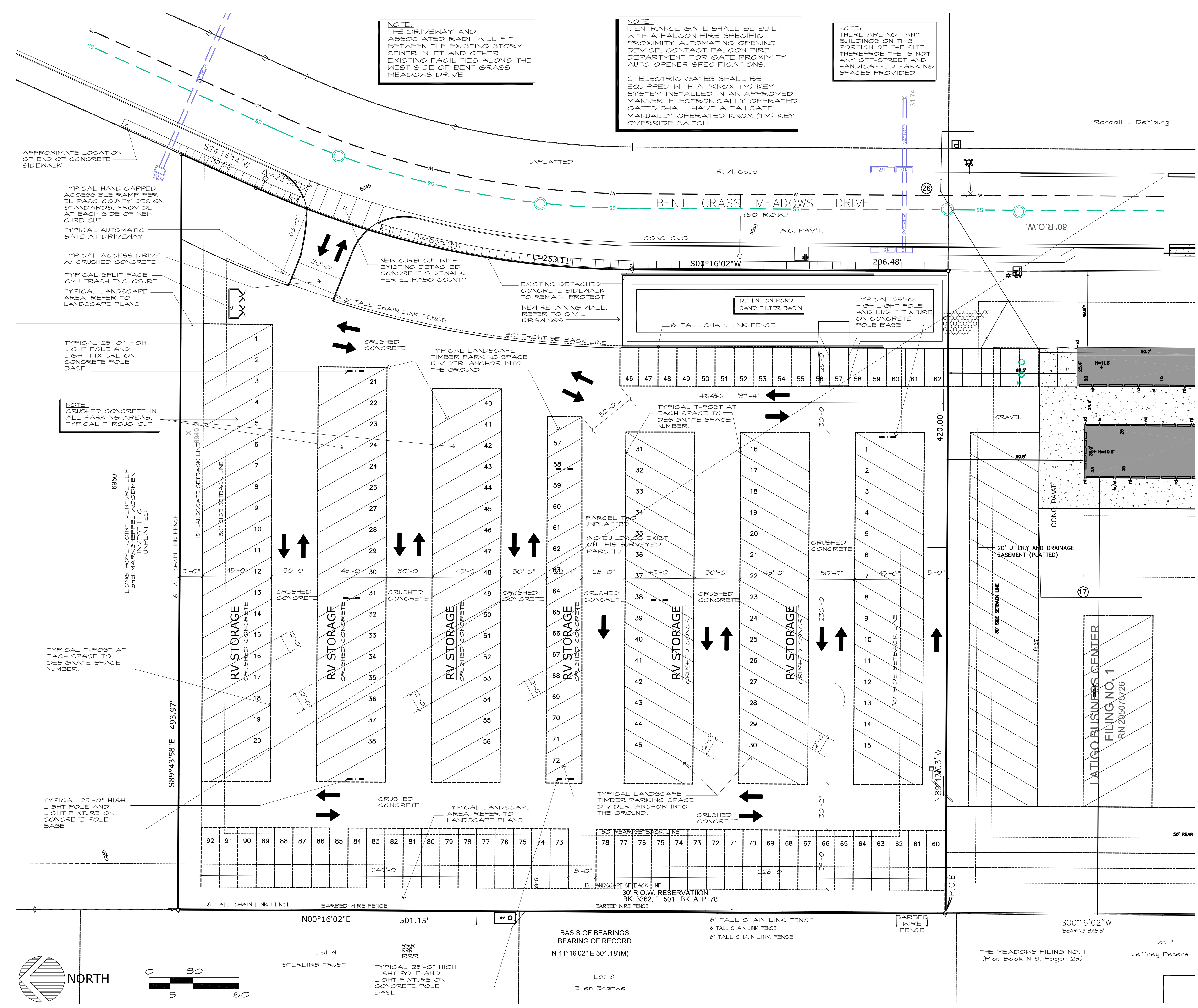
PART W 1/2 SEC 1, T 13 S, R 65 W, 6th PM
PEYTON, COLORADO

PROJECT NO. 202129
DATE JUNE 21, 2021
DRAWN BY JRD
CHECKED JRD
APPROVED JRD
REVISED

REVISED PER EL PASO
COUNTY PLANNING
DEPARTMENT
COMMENTS
DECEMBER 12, 2022

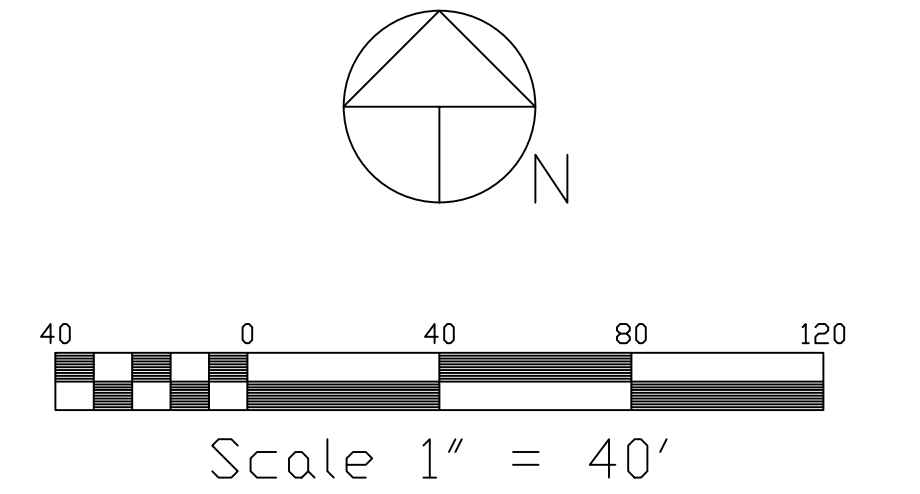
SHEET

SDP1.2



20 SDPI SITE DEVELOPMENT PLAN
SCALE: 1"=30'-0"

UNPLATTED
FALCON MEADOWS AT BENT GRASS
53010 00 019

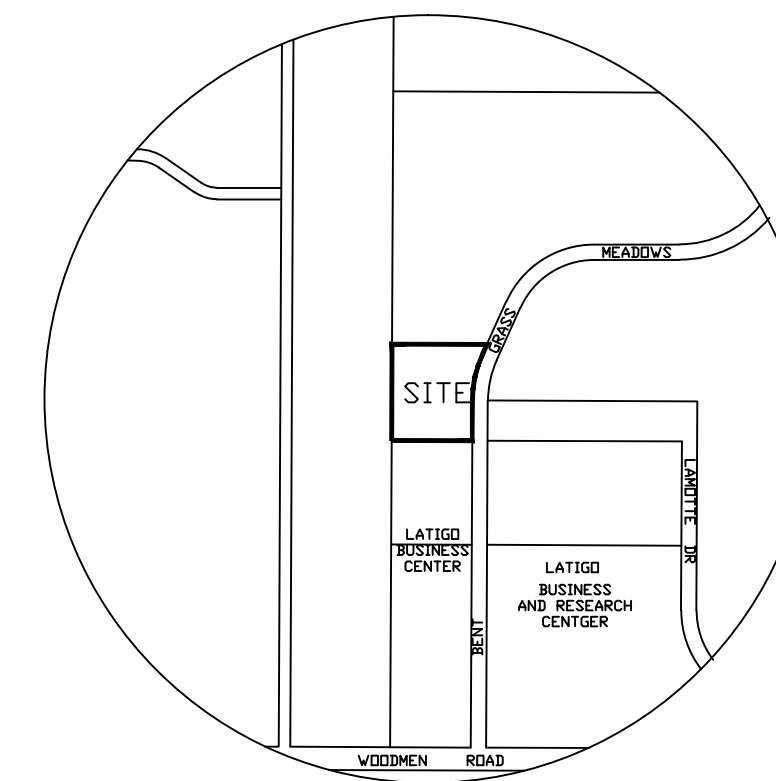


Contour Interval: 1
BENCH MARK: SE CORNER SECTION 1
1-1/2" AL. CAP, EL. 6901.70

LEGEND:

- ◁ FOUND RED LDC CAP ON #4 REBAR
- ⊙ SEWER MANHOLE (EXISTING)
- WATER MANHOLE (EXISTING)
- ⊗ WATER VALVE (EXISTING)
- ◇ FIRE HYDRANT (EXISTING)
- ✕ RV DUMP SITE (EXISTING)
- ⊠ ELECTRICAL VAULT (EXISTING)

GRADED AREAS NOT COVERED BY CONCRETE, ASPHALT OR LANDSCAPE SHALL BE RESEEDED (FINAL) SEE LANDSCAPE PLAN FOR DETAILS. NO BATCH PLANTS WILL BE UTILIZED ON THIS SITE. THERE ARE NO SURFACE WATERS ON THIS SITE.



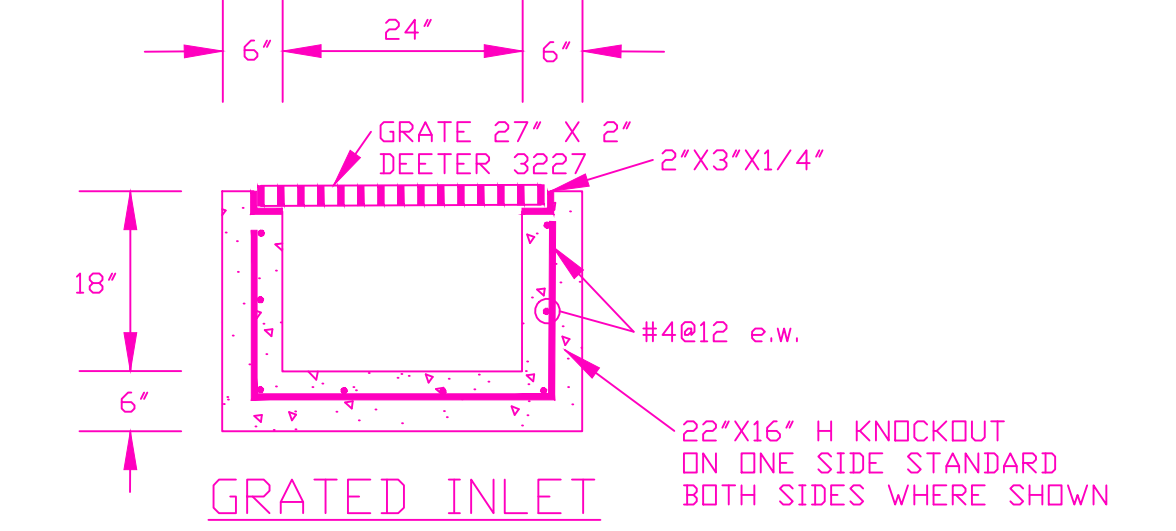
VICINITY MAP

1"=1000'

CONTOUR LEGEND:

- ORIGINAL CONTOURS:
 - 2' (dashed line)
 - 10' (solid line)
- PROPOSED CONTOURS:
 - 2' (dashed line)
 - 10' (solid line)

PROPOSED STORM SEWER AS LABELED

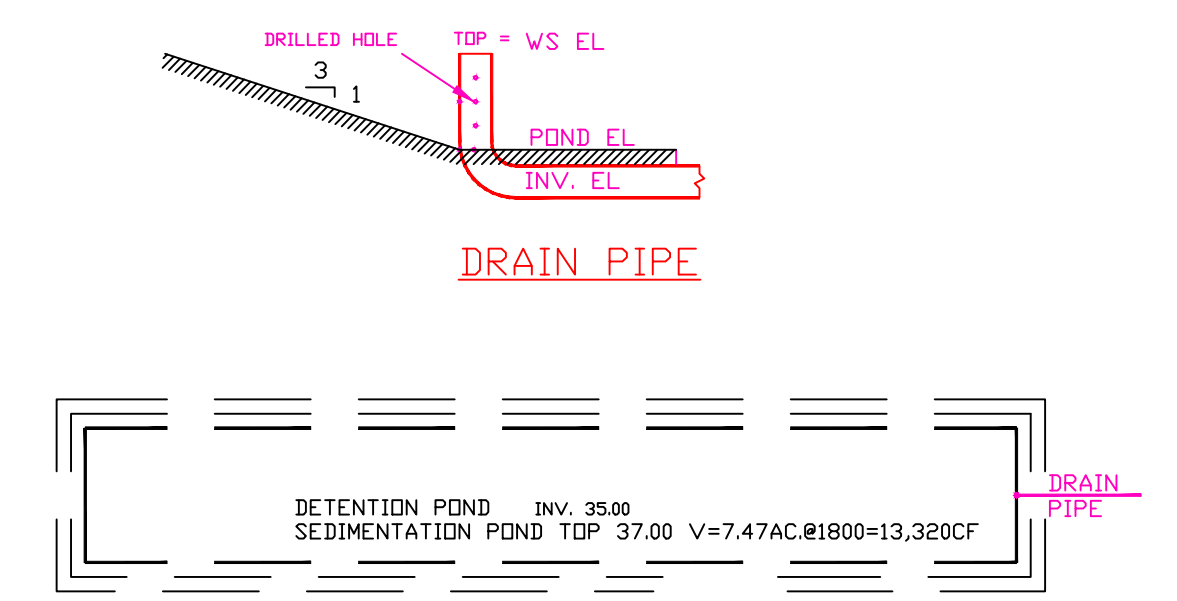
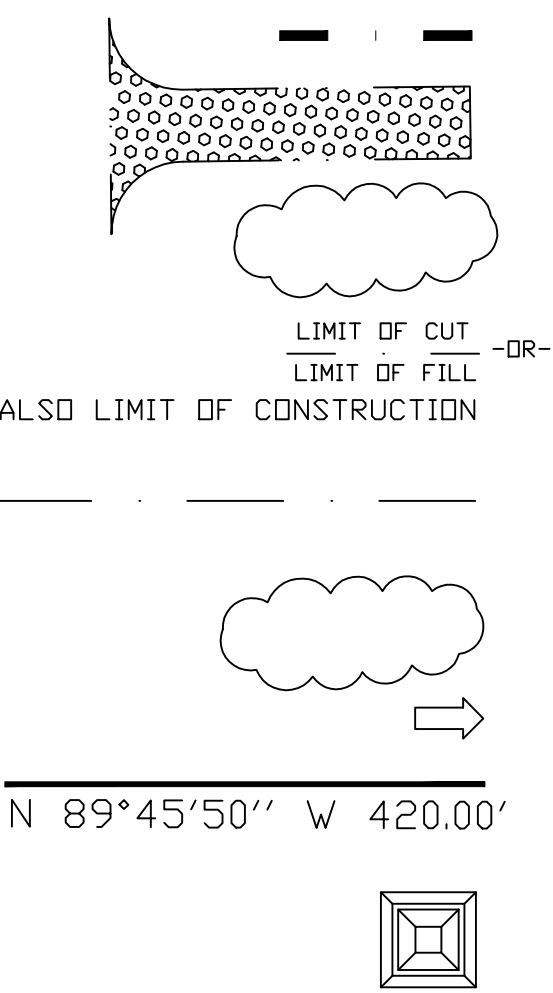


GRATED INLET

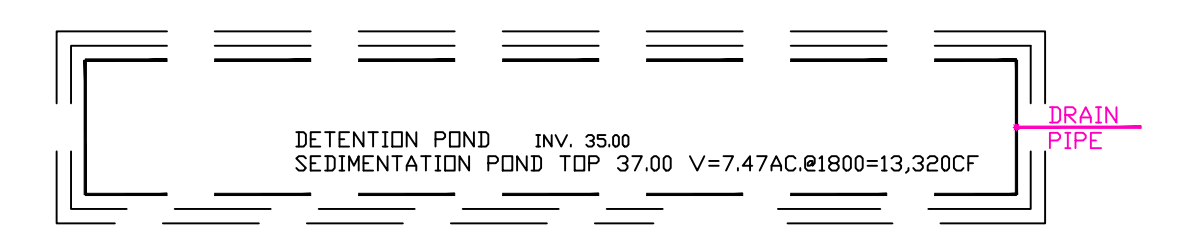
1/2"=1'-0"
INLETS SHALL CONFORM TO FIREBAUGH PRECAST CO. STD. INLET OR EQUAL

EROSION CONTROL LEGEND:

- SILT FENCE (SF) (INTERIM)
- VEHICLE TRACKING CONTROL (VTC) (INTERIM)
- STOCK PILE PROTECTION (SP) (INTERIM)
- LIMIT OF DISTURBANCE 4.860 AC, (INTERIM)
- EASEMENT LINE (FINAL)
- STABILIZED STAGING AREA (SSA) (INITIAL)
- DIRECTION OF RUNOFF (FINAL)
- PROPERTY BOUNDARY (FINAL)
- CONCRETE WASHOUT (CWD) (INTERIM)

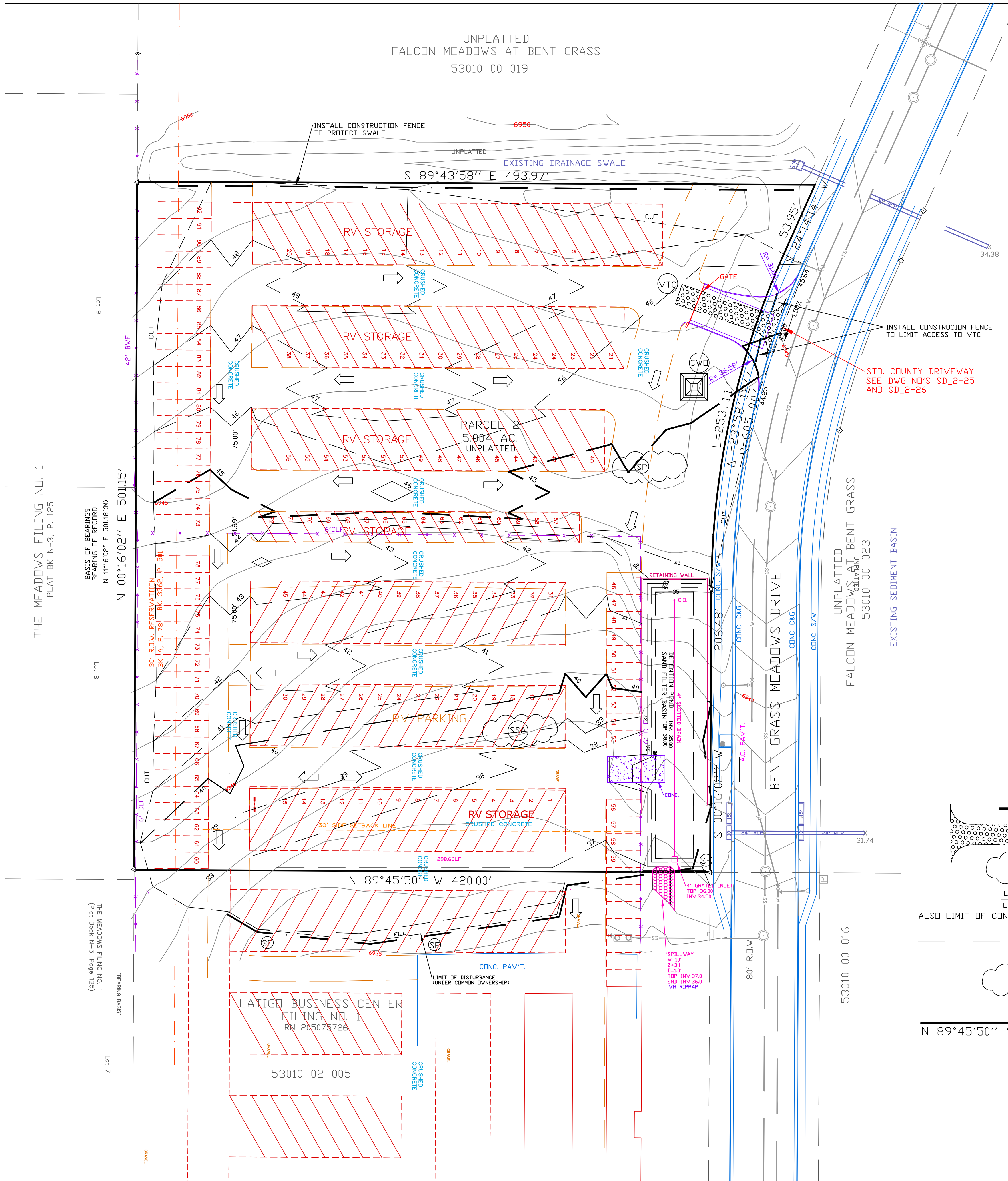


DRAIN PIPE



SEDIMENTATION BASINS

1"=40'
INTERIM CONDITION DURING CONSTRUCTION TO BE CONVERTED TO SAND FILTER BASIN



THE MEADOWS FILING NO. 1
PLAT BK N-3, P. 125

30' BENT GRASS RESERVATION
BK N-3, P. 125
N 11°16'02" E 501.8'00"

8 Lot

THE MEADOWS FILING NO. 1
(Plat Book N-3, Page 125)

7 Lot

OLIVER E. WATTS
CONSULTING ENGINEER
COLORADO SPRINGS

PROJECT
FALCON STORAGE PARCEL
PART W 1/2 SEC. 1, T.13S., R.65W., 6TH P.M.
EL PASO COUNTY

SHT. NAME
GRADING AND EROSION CONTROL PLAN

SHT. NO.
1
OF
4

DRAWN BY: D.E. WATTS	APPROVED BY:	REVISIONS
DATE: 1-29-21	PROJ. NO.:	
DWG. NO.: 20-5523-03	DWG.:	
SURVEYED BY: DEV, ESW, 10-6-20		

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

1. Stormwater discharges from construction sites shall not cause or threaten to cause pollution, contamination, or degradation of State Waters. All work and earth disturbance shall be done in a manner that minimizes pollution of any on-site or off-site waters, including wetlands.
2. Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations from regulations and standards must be requested, and approved, in writing.
3. A separate Stormwater Management Plan (SMWP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. Management of the SWMP during construction is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector. 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 ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial stage erosion and sediment control measures as indicated on the approved GEC. A Pre-construction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting time and place with County staff.
5. Control measures must be installed prior to commencement of activities that could contribute pollutants to stormwater. Control measures for all slopes, channels, ditches, and disturbed land areas shall be installed immediately upon completion of the disturbance.
6. All temporary 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 is established. All persons engaged in land disturbance activities shall assess the adequacy of control measures at the site and identify if changes to those control measures are needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan.
7. Temporary stabilization shall be implemented on disturbed areas and stockpiles 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 all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plant density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion control measures shall be removed upon final stabilization and before permit closure.
9. All permanent stormwater management facilities shall be installed as designed in the approved plans. Any proposed changes that effect the design or function of permanent stormwater management structures must be approved by the ECM Administrator prior to implementation.
10. Earth disturbances shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of waters of the state unless shown to be infeasible and specifically requested and approved.
11. Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control measures shall also be protected from sedimentation during construction until final stabilization is achieved. If compaction prevention is not feasible due to site constraints, all areas designated for infiltration and vegetation control measures must be loosened prior to installation of the control measure(s).
12. Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, through, or from the earth disturbance area shall be a stabilized conveyance designed to minimize erosion and the discharge of sediment off site.
13. Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to enter State Waters, including any surface or subsurface storm drainage system or facilities. Concrete washouts shall not be located in an area where shallow groundwater may be present, or within 50 feet of a surface water body, creek or stream.
14. During dewatering 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 dewatering permit is in place.
15. Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.
16. Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.
17. Waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. Control measures may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances.
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/developer shall be responsible for the removal of all construction debris, dirt, trash, rock, sediment, soil, and sand that may accumulate in roads, storm drains and other drainage conveyance 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 quantity required to perform the work in an orderly sequence. All materials stored on-site 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 onsite unless permission for the use of such chemical(s) is granted in writing by the ECM Administrator. In granting approval for the use of such chemical(s), special conditions and monitoring may be required.
22. Bulk storage of allowed petroleum products or other allowed liquid chemicals in excess of 55 gallons shall require adequate secondary containment protection to contain all spills onsite and to prevent any spilled materials from entering State Waters, any surface or subsurface storm drainage system or other facilities.
23. No person shall cause the impediment of stormwater flow in the curb and gutter or ditch except with approved sediment control measures.
24. Owner/developer and their agents shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements of the Land Development Code, DCM Volume II and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (1041, NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and other laws, rules, or regulations of other Federal, State, local, or County agencies, the most restrictive laws, rules, or regulations shall apply.
25. All construction traffic must enter/exit the site only at approved construction access points.
26. Prior to construction the Permittee shall verify the location of existing utilities.
27. A water source shall be available on site during earthwork operations and shall be utilized as required to minimize dust from earthwork equipment and wind.
28. The soils report for this site has been prepared by Parr Engineering dated 11-20-13 and shall be considered a part of these plans.
29. At least ten (10) days prior to the anticipated start of construction, for projects that will disturb one (1) acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this Grading and Erosion Control Plan may be a part. For information or application materials contact:
Colorado Department of Public Health and Environment
Water Quality Control Division
WQCD - Permits
4300 Cherry Creek Drive South
Denver, CO 80246-1530
Attn: Permits Unit

Engineer's Statement (for GEC Plan within Construction Drawing set):

These detailed plans and specifications were prepared under my direction and supervision. Said plans and specifications have been prepared according to the criteria established by the County for detailed roadway, drainage, grading and erosion control plans and specifications, and said plans and specifications are in conformity with applicable master drainage plans and master transportation plans. Said plans and specifications meet the purposes for which the particular roadway and drainage facilities are designed and are correct to the best of my knowledge and belief. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparation of these detailed plans and specifications.

 Engineer of Record Signature _____ Date _____
 Oliver E. Watts, COLO PELS#9853
 Oliver E. Watts Consulting Engineer, Inc.
 614 Elkton Drive Colorado Springs, CO 80907
 719-593-0173
 olliewatts@aol.com

Owner's Statement (for GEC Plan within Construction Drawing set):

I, the owner/developer have read and will comply with the requirements of the grading and erosion control plan and all of the requirements specified in these detailed plans and specifications.

 Richard Graham, Falcon Storage Partners, LLLP _____ date _____

El Paso County (standalone GEC Plan):

County plan review is provided only for general conformance with County Design Criteria. The County is not responsible for the accuracy and adequacy of the design, dimensions, and/or elevations which shall be confirmed at the job site. The County through the approval of this document assumes no responsibility for completeness and/or accuracy of this document. Filed in accordance with the requirements of the El Paso County Land Development Code, Drainage Criteria Manual Volumes 1 and 2, and Engineering Criteria Manual, as amended.

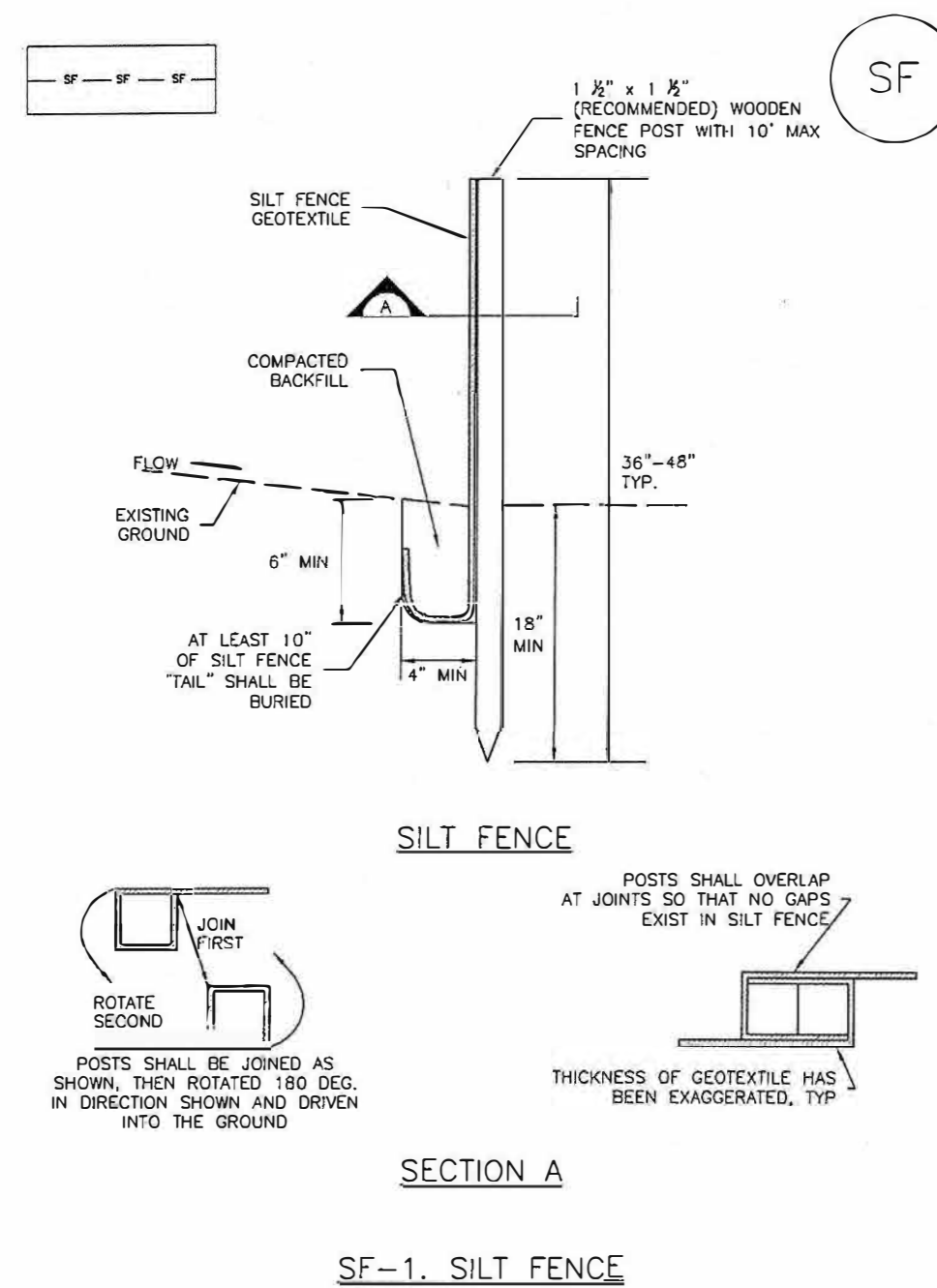
In accordance with ECM Section 1.12, these construction documents will be valid for construction for a period of 2 years from the date signed by the El Paso County Engineer. If construction has not started within those 2 years, the plans will need to be resubmitted for approval, including payment of review fees at the Planning and Community Development Director's discretion.

 _____, PE County Engineer / ECM Administrator _____ date _____

DRAWN BY: O.E. WATTS DATE: 1-29-21 DWG. NO.: 20-5523-05 SURVEYED BY: DEV, ESW, 10-6-20	APPROVED BY: PROJ. NO. DWG.	REVISIONS	PROJECT OLIVER E. WATTS CONSULTING ENGINEER COLORADO SPRINGS FALCON STORAGE PARCEL PART W 1/2 SEC. 1, T.13S., R.65W., 6TH P.M. EL PASO COUNTY	SHEET NO. GRADING AND EROSION CONTROL PLAN 2 OF 4	SHEET NO.
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Silt Fence (SF)

SC-1

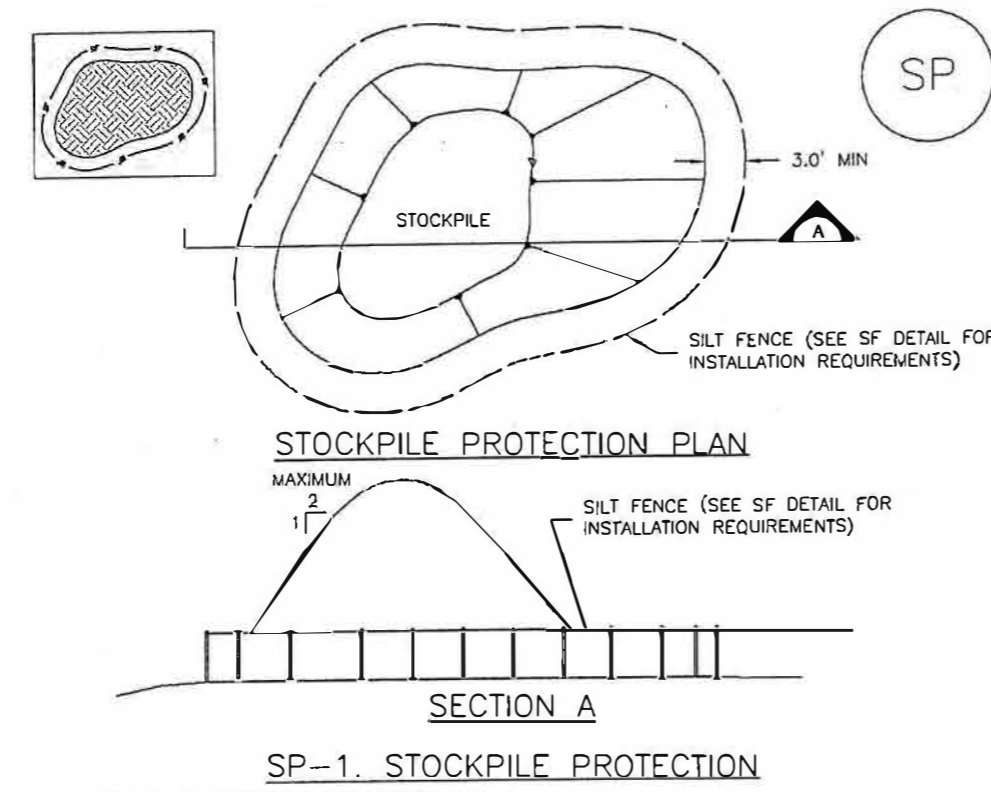


SF-1. SILT FENCE

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

Stockpile Management (SP)

MM-2

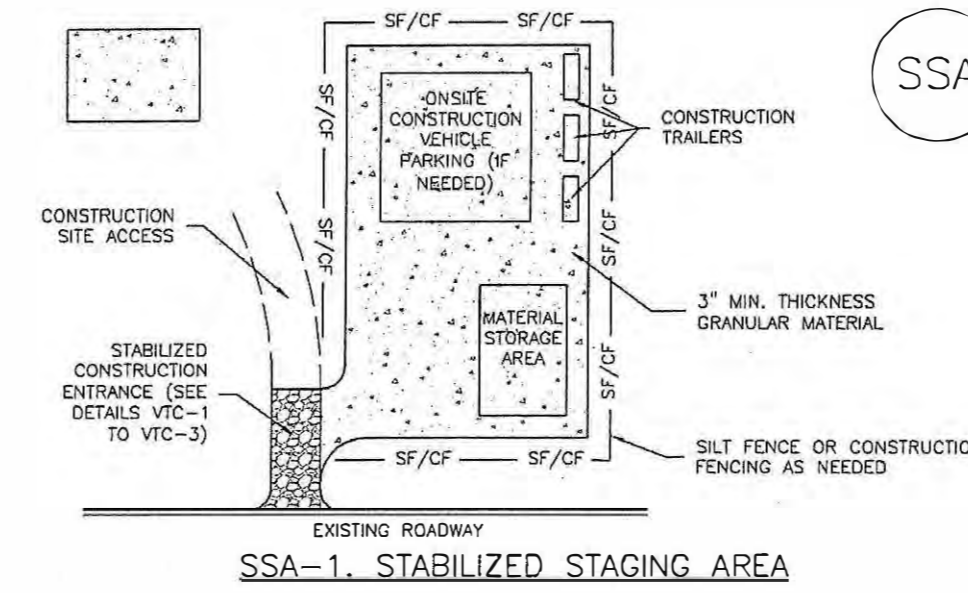


SP-1. STOCKPILE PROTECTION

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

Stabilized Staging Area (SSA)

SM-6



SSA-1. STABILIZED STAGING AREA

- STABILIZED STAGING AREA INSTALLATION NOTES**
- SEE PLAN VIEW FOR LOCATION OF STAGING AREA(S). CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 - STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 - STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 - THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 8" (MINUS) ROCK.
 - ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.
- STABILIZED STAGING AREA MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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

SC-1

Silt Fence (SF)

- SILT FENCE INSTALLATION NOTES**
- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-3 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
 - A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
 - COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
 - SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SHO BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
 - SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
 - AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "U-HOOK." THE "U-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
 - SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- SILT FENCE MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
 - REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
 - SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
 - WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM TORNS OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SF-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

MM-2

Stockpile Management (SM)

- STOCKPILE PROTECTION MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- STOCKPILE PROTECTION INSTALLATION NOTES**
- SEE PLAN VIEW FOR LOCATION OF STOCKPILES. TYPE OF STOCKPILE PROTECTION.
 - INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.
 - STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL ENHANCER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
 - FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.
- (DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE:** MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

SP-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

SM-6

Stabilized Staging Area (SSA)

- STABILIZED STAGING AREA MAINTENANCE NOTES**
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
 - THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE:** MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

SSA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Prepared by the Office of:
Oliver E. Watts, Consulting Engineer, Inc.
614 Elkton Drive, Colorado Springs, CO 80907
719-593-0173
oliewatts@aol.com
Celebrating over 39 years in business

DRAWN BY: O.E. WATTS	APPROVED BY:	REVISIONS	PROJECT	SHT. NAME	SHT. NO.
DATE: 12-14-18	PROJ. NO.		OLIVER E. WATTS CONSULTING ENGINEER COLORADO SPRINGS	EROSION CONTROL DETAILS	3
DWG. NO. 20-5523	DWG.				OF 4

SEEDING & MULCHING

ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.

SOIL PREPARATION

1. IN AREAS TO BE SEEDDED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRABLE CONDITION. LESS THAN 85% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCARIFIED TO A DEPTH OF 4 TO 15 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
2. AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
3. THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
4. TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION. STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

SEEDING

1. ALLOWABLE SEED MIXES ARE INCLUDED IN THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. ALTERNATIVE SEED MIXES ARE ACCEPTABLE IF INCLUDED IN AN APPROVED LANDSCAPING PLAN.
2. SEED SHOULD BE DRILL-SEED WHENEVER POSSIBLE.
3. SEED DEPTH MUST BE 3/4 TO 3/8 INCHES WHEN DRILL-SEEDING IS USED.
4. BROADCAST SEEDING OR HYDRO-SEEDING WITH TACKIFIER MAY BE SUBSTITUTED ON SLOPES STEEPER THAN 3:1 OR ON OTHER AREAS NOT PRACTICAL TO DRILL SEED.
5. SEEDING RATES MUST BE DOUBLED FOR BROADCAST SEEDING OR INCREASED BY 50% IF USING A BRILLIANT DRILL OR HYDRO-SEEDING.
6. BROADCAST SEEDING MUST BE LIGHTLY HAND-RAKED INTO THE SOIL.

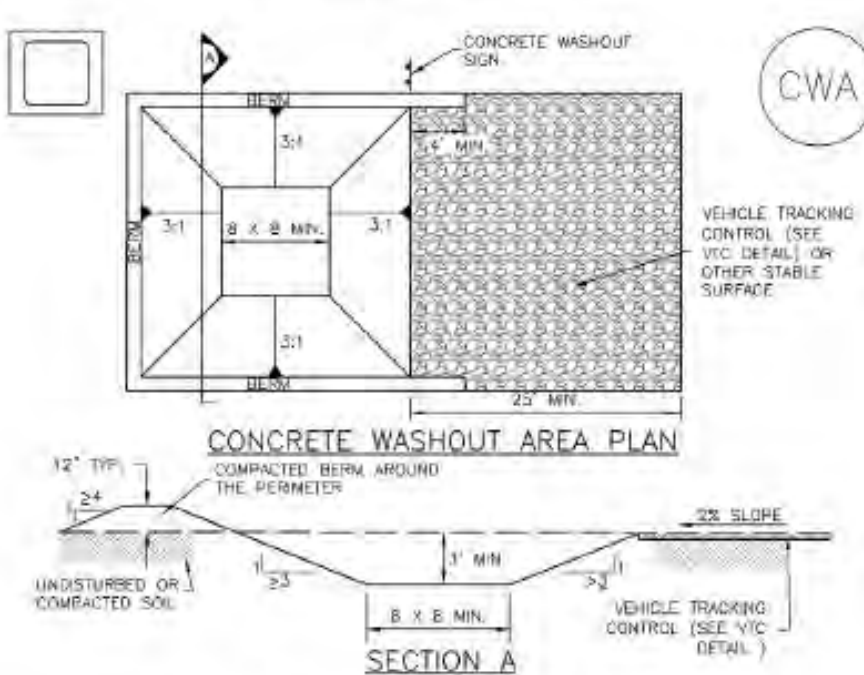
MULCHING

1. MULCHING SHOULD BE COMPLETED AS SOON AS PRACTICABLE AFTER SEEDING, HOWEVER PLANTED AREAS MUST BE MULCHED NO LATER THAN 14 DAYS AFTER PLANTING.
2. MULCHING REQUIREMENTS INCLUDE:
 - HAY OR STRAW MULCH
 - ONLY CERTIFIED WEED-FREE AND CERTIFIED SEED-FREE MULCH MAY BE USED. MULCH MUST BE APPLIED AT 2 TONS/ACRE AND ADEQUATELY SECURED BY CRIMPING AND/OR TACKIFIER.
 - CRIMPING MUST NOT BE USED ON SLOPES GREATER THAN 3:1 AND MULCH FIBERS MUST BE TUCKED INTO THE SOIL TO A DEPTH OF 3 TO 4 INCHES.
 - TACKIFIER MUST BE USED IN PLACE OF CRIMPING ON SLOPES STEEPER THAN 3:1.
 - HYDRAULIC MULCHING
 - HYDRAULIC MULCHING IS AN OPTION ON STEEP SLOPES OR WHERE ACCESS IS LIMITED.
 - IF HYDRO-SEEDING IS USED, MULCHING MUST BE APPLIED AS A SEPARATE, SECOND OPERATION.
 - WOOD CELLULOSE FIBERS MIXED WITH WATER MUST BE APPLIED AT A RATE OF 1,000 TO 2,000 POUNDS/ACRE, AND TACKIFIER MUST BE APPLIED AT A RATE OF 100 POUNDS/ACRE.
 - EROSION CONTROL BLANKET
 - EROSION CONTROL BLANKET MAY BE USED IN PLACE OF TRADITIONAL MULCHING METHODS.

SM

	SEEDING & MULCHING
	APPROVED: DATE: 10/7/19 PROJECT: 6/14/2020 DRAWING NO: 800-24

Concrete Washout Area (CWA) MM-1



CWA-1. CONCRETE WASHOUT AREA

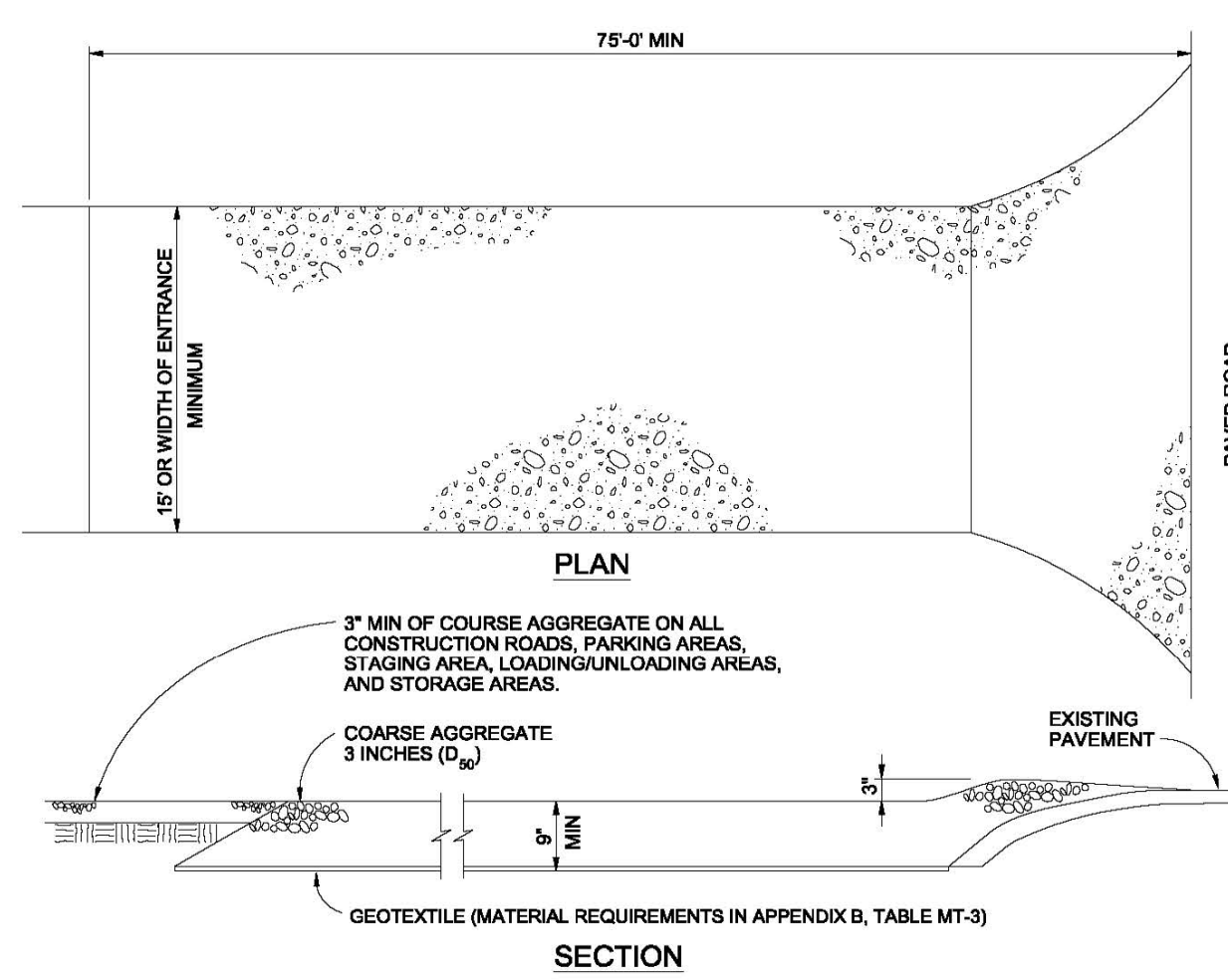
- CWA INSTALLATION NOTES**
1. SEE PLAN VIEW FOR:
 - CWA INSTALLATION LOCATION
 2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS IMPOSSIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (1/8 MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVELY USING PRECAST/CAST CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
 3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT OR SET.
 4. CWA SHALL INCLUDE A FLAT SURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
 5. RETAIN SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
 6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
 7. STONES SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE AT THE CWA, AND BLANKETS, AS NECESSARY TO CLEARLY MARK THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS.
 8. USE EXCAVATED MATERIAL FOR PERMANENT BERM CONSTRUCTION.

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

MM-1 Concrete Washout Area (CWA)

- CWA MAINTENANCE NOTES**
1. RESPECT BARRIERS, WORKWAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BARRIERS SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BARRIERS AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BARRIERS IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 3. WHERE BARRIERS HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON OCCURRENCE OF THE FAILURE.
 4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE WASTE ACCUMULATED IN PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
 5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WASTEWATER CONTAINER AND DISPOSED OF PROPERLY.
 6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
 7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- NOTE: MANY JURISDICTIONS HAVE DIFFERENT DETAILS THAT VARY FROM IUCED STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CWA-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010



VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADES, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADES THAT ARE EXCESSIVELY STEEP.

MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
2. STONES ARE TO BE REPLACED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.
4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.
5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.

City of Colorado Springs Stormwater Quality

Figure VT-2 Vehicle Tracking Application Examples

DRAWN BY: D.E. WATTS
 DATE: 1-29-21
 DWG. NO.: 20-5523-06
 SURVEYED BY: DEV, ESW, 10-6-20

APPROVED BY:
 PROJ. NO.
 DWG.

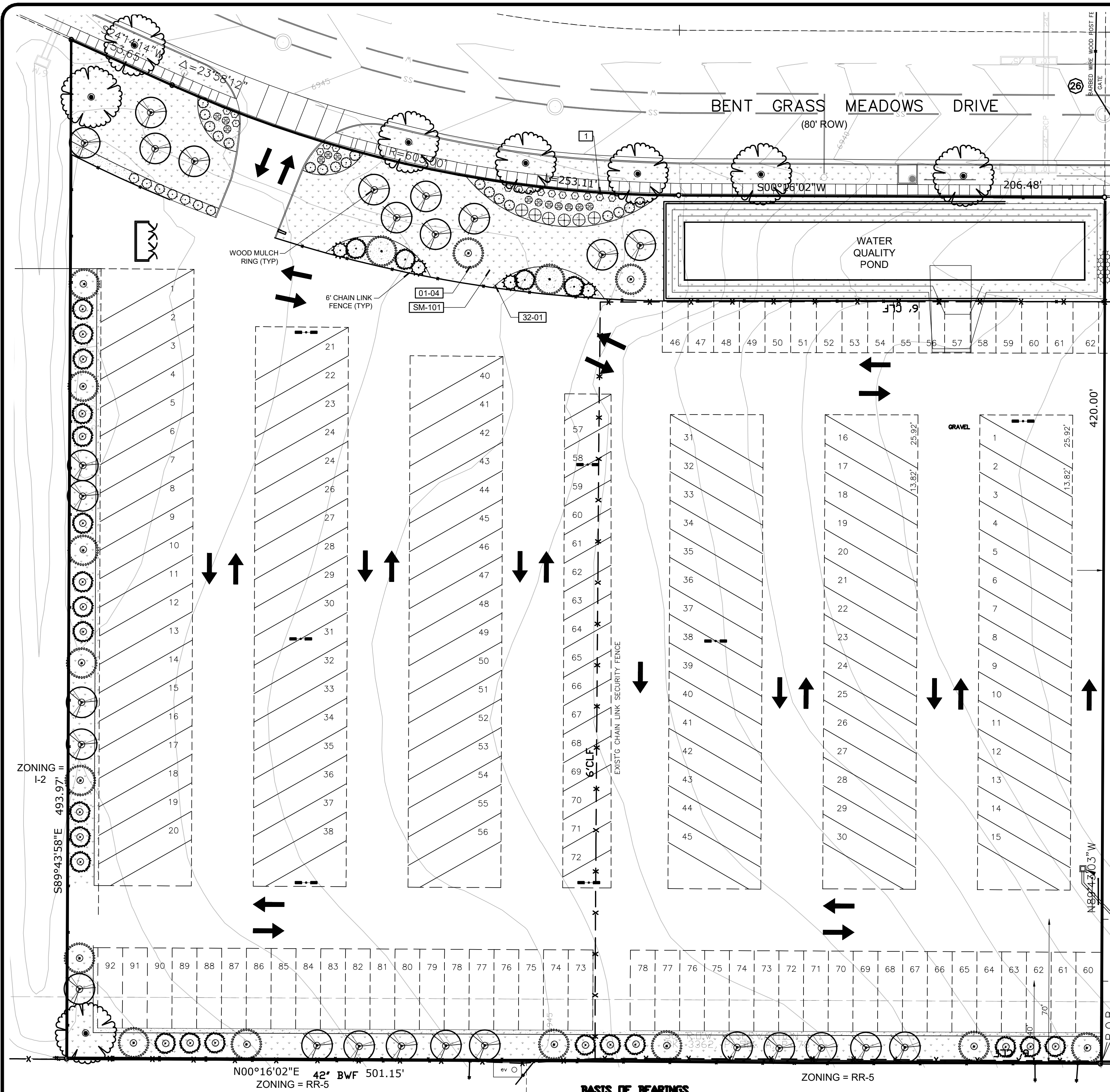
REVISIONS

OLIVER E. WATTS
 CONSULTING ENGINEER
 COLORADO SPRINGS

PROJECT
 FALCON STORAGE PARCEL
 PART W 1/2 SEC. 1, T.13S., R.65W., 6TH P.M.
 EL PASO COUNTY

SHT. NO.
GRADING AND EROSION CONTROL PLAN

4 OF 4



PLANT SCHEDULE

QTY FOR REFERENCE ONLY. VERIFY ALL COUNTS PER PLAN

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL
	AH	27	ACER TATARICUM 'HOT WINGS' / HOT WINGS TATARIAN MAPLE	B & B	1.5" CAL MULTISTEM
	CO	8	CELTIS OCCIDENTALIS / COMMON HACKBERRY	B & B	1.5" CAL
	JSM	25	JUNIPERUS SCOPULORUM / ROCKY MOUNTAIN JUNIPER	4' HEIGHT	
	Jmg2	4	JUNIPERUS SCOPULORUM 'MOONGLOW' / UPRIGHT JUNIPER	6' HT	
	PE	16	PINUS EDULIS / PINON PINE	6' HT	
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	
	AL	13	AMORPHA CANESCENS / LEADPLANT	5 GAL	
	CMF	6	CHAMAEBATIARIA MILLEFOLIUM 'FERNBUSH' / FERNBUSH	5 GAL	
	ES	16	ERICAMERIA NAUSEOSA SPECIOSA / DWARF BLUE RABBITBRUSH	5 GAL	
	FA	18	FALLUGIA PARADOXA / APACHE PLUME 12356D	5 GAL	
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	
	SW	7	SPOROBOLUS WRIGHTII / BIG SACATON	1 GAL	
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	
	NS	31,276 SF	NATIVE SEED MIX / EPCCD SHOTGUN MIX - UPDATED 2022 SEE SHEET L1.0	SEED	
MULCHES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	
	RM	4,419 SF	ROCK MULCH / RIVER ROCK 1"-2" PER OWNER APPROVAL. PLACE TO A UNIFORM DEPTH OF 3"	MULCH	
	WM	574 SF	SHREDDED WOOD MULCH / WOOD MULCH GORILLA HAIR OR SHREDDED REDWOOD MULCH. NO WEED BARRIER UNDER WOOD MULCH AREAS	MULCH	

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
	PLACE SHREDDED CEDAR MULCH AROUND BASE OF ALL PERENNIALS AND GRASSES IN LARGE COBBLE AREAS. MASSSED PERENNIALS TO RECEIVE LARGE RING AROUND ENTIRE GROUP (TYP). WOOD MULCH NOT REQUIRED AROUND BASE OF PLANTS LOCATED IN PEA GRAVEL.	
	SEED ALL DISTURBED AREAS WITH NATIVE LAWN MIX UNLESS OTHERWISE NOTED.	
	14 G ROLL TOP STEEL EDGING, STAKED 30° OC MAX.	2,069 LF
	ALL SEEDED AREAS TO BE AMENDED AND HYDROSEEDED. PLACE EROSION CONTROL MAT ON ALL SLOPES EXCEEDING 4:1.	

EL PASO COUNTY CONSERVATION DISTRICT SHOTGUN MIX

Common name	Recommended variety	% of seed mix	#/S per acre	#/sq ft
Bluestem, Big Native	Kaw, Bison, Champ	20.0%	1.08	
Little Bluestem	Schizachyrium scoparium	10.0%	12	
Green Needlegrass	Ludum	10.0%	48	
Windgrass, Western Native	Archa, Barton	20.0%	1.60	
Ornate, Sidekick Native	Viegria, Bulb, El Reno, Near	10.0%	48	
Switchgrass Native	Blackwell, Greenville	10%	20	
Frame Sandseed Native	Goslen, Pronghorn	10.0%	32	
Yellow Indiangrass Native	Cheyenne, Hot, Llano	10.0%	51	

EL PASO COUNTY CONSERVATION DISTRICT

SITE CATEGORY REQUIREMENTS

Street Name or Zone Boundary (elev.)	Street Classification	Setback Width Req. / Prov.	Linear Footage	Tree/Foot Required	No. of Trees Req. / Prov.
Bent Grass Meadow Dr	Non-arterial	10' / 15'	514	1/30	18 / 18

PARKING LOTS *Screening provided for all parking areas per code

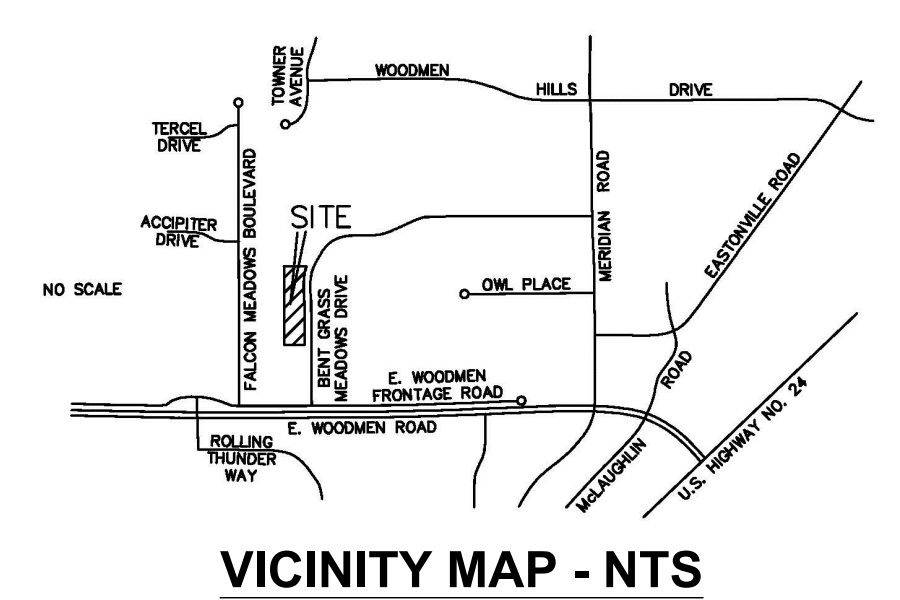
No. of Vehicle Spaces Provided	Shade Trees (1/15) Required / Provided	Vehicle Lot Frontage (ft)	Length of Frontage (ft.) (excluding driveways)	2/3 Length of Frontage (ft.)
295	295	295	198	198

INTERNAL LANDSCAPING

Net Site Area (SF) (less public R.O.W.)	Percent Min. Internal Area (%)	Internal Area (SF) Required / Provided	Internal Trees (1/500 SF) Required / Provided
217,957	5%	10,898 / (37,966)	22 / 22

LANDSCAPE BUFFERS & SCREENS - N/A

Street Name or Property Line (elev.)	Width (ft.)	Linear Footage	Buffer Trees (1/25) Required / Provided	Evergreen Trees Req. (33%) / Provided	Length of 6 ft. Opaque Structure Req. / Prov.
North PL	15 / 15	494	20 / 20	6 / 9	494
West PL	15 / 15	501	20 / 20	8 / 11	501



Licensure Notes:
This document is for City review and approval only.
This document is not a construction drawing unless stamped by the Landscape Architect of record. Projects require a stamped set of construction documents for landscape improvement installation.
PCD FILE NO: PPR 22320

PLAN NOTES:

- NO SUBSTITUTIONS WITHOUT PREVIOUS APPROVAL OF LANDSCAPE ARCHITECT. UNAPPROVED DEVIATIONS FROM THIS PLAN WILL BE RECTIFIED AT CONTRACTORS EXPENSE.
- CONTRACTOR TO PROVIDE ANALYSIS OF ANY AMENDMENTS PROPOSED FOR PLANTING AREAS PRIOR TO INSTALLATION OF SUCH MATERIALS.
- NO FABRIC UNDER WOOD MULCH IN ANY AREAS. ALL PLANTS IN ROCK MULCH AREAS TO RECEIVE SHREDDED CEDAR MULCH RINGS EQUAL TO THE ROOTBALL OF THE PLANT. MASSING SHALL HAVE CONTINUOUS SHREDDED MULCH BANDS. SEE DETAILS SHEET L2.0.
- ALL EMITTERS PER IRRIGATION PLAN.
- ALL EMITTERS TO BE PLACED AT THE APPROPRIATE LOCATIONS. ALL EMITTERS TO USE MICRO TUBING, STAKES, AND BUG CAPS.
- SEE LANDSCAPE DETAILS SHEET FOR ADDITIONAL NOTES AND DETAILS.
- RETAIN 10% OF ALL PLANT TAGS PER SPECIES FOR DURATION OF WARRANTY PERIOD.

PROJECT ADDRESS: LOT 1, LATIGO BUSINESS CENTER FILING NO 1
7630 BENT GRASS MEADOW DR
PEYTON, CO 80831

LEGAL DESCRIPTION: LOT 1, LATIGO BUSINESS CENTER FILING NO 1

COUNTY ZONING: I-2

LOT AREA: 217,957 SF

BLDG. COVERAGE: 0

BLDG. SETBACKS: FRONT = 25'
REAR = 25'
SIDE = 15'

OWNER: RICHARD GRAHAM JR
FALCON STORAGE PARTNERS, LLLP
4615 NORTH PARK DR, #101
COLORADO SPRINGS, CO 80918
719-440-9414

LANDSCAPE PLAN
SCALE: 1" = 30'



REVISIONS: Comments: 03/16/22

NDS NATURAL DESIGN SOLUTIONS
Landscape Architecture
Land Planning - Irrigation Design
3535 East Drive, Longmont, CO 80503
(303) 449-6068 - info@ndsdesign.com

GRAHAM STORAGE - LATIGO BUS CENTER, FILING 1
PEYTON, CO

FINAL LANDSCAPE PLAN

PROJ. NO.:
DATE: 11.30.20
SCALE: See Sheet
DRAWN: JRO
CHKD BY: NAM
SHEET L10

GENERAL NOTES

(Note: All references to "Contractor" are specific to "Landscape Contractor" unless notified as "General or other type of Contractor")

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES OF MATERIALS NEEDED TO COMPLETE THIS PLAN IN THE FIELD. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND CONDITIONS IN THE FIELD. SUBSTITUTIONS OF PLANT MATERIAL ARE NOT ALLOWED WITHOUT APPROVAL FROM LANDSCAPE ARCHITECT GIVEN PRIOR TO INSTALLATION. GRAPHIC QTY'S PREVAIL OVER WRITTEN QTY'S. PRIOR TO COMMENCEMENT OF WORK THE LANDSCAPE CONTRACTOR SHALL CONTACT OWNERS REPRESENTATIVE FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING AND SCOPE OF WORK.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL LANDSCAPE SHOWN ON THIS PLAN. ANY DEFICIENCIES OR DEVIATIONS FROM THIS PLAN ARE TO BE APPROVED BY OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT. ANY CHANGES FROM THE APPROVED PLANS MAY REQUIRE APPROVAL FROM THE CITY OR COUNTY PLANNING DEPARTMENTS.

LANDSCAPE CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO FURNISH SCOPE OF WORK AS SHOWN PER PLAN.
- EXISTING TOPSOIL IS TO BE STOCKPILED AND USED TO ESTABLISH FINAL GRADES WITHIN LANDSCAPE AREAS. ALL STOCKPILED SOIL MUST BE CLEAR OF WEEDS, ROCKS AND DEBRIS BEFORE REUSE. ALL BERMED PLANTING BEDS TO BE CREATED WITH IMPORTED TOPSOIL.
- GENERAL CONTRACTOR TO RE-SPREAD STOCKPILED SOIL AND ESTABLISH ROUGH GRADE CONDITIONS TO THE FOLLOWING SPECIFICATIONS:
A. 1" BELOW CURB FOR ALL SEEDED AREAS.
B. 2.5" BELOW CURB FOR ALL SODDED AREAS.
C. 4" BELOW CURB FOR ALL PLANTING, ROCK AND MULCH BEDS.
- CONTRACTOR TO TILL PARKING LOT ISLANDS TO A DEPTH OF 30".
- AMEND ALL PLANTING BEDS WITH CLASS 1 COMPOST. APPLY AT RATE OF 3 CYDS. PER 1000 SQUARE FEET TO ALL PLANTING BEDS AND MANICURED LAWN AREAS, AND 2 CYDS. PER 1000 SQUARE FEET FOR SEEDED AREAS. TILL, MIXING THOROUGHLY, INTO THE UPPER 8" OF SOIL.
- FINE GRADE TO BE ESTABLISHED BY LANDSCAPE CONTRACTOR. FINE GRADE SHALL BE FREE OF ROCKS AND DEBRIS. FINE GRADE IN SEED AREAS SHALL BE FREE FROM ROCKS AND DEBRIS 1/2" AND GREATER. FINE GRADE IN SODDED AREAS SHALL BE FREE FROM ROCKS AND DEBRIS 1/2" AND GREATER. CONTRACTOR TO REPORT ANY POOR DRAINAGE CONDITIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS TO PROVIDE VERIFICATION THAT ALL SOD IS OF THE SPECIES SHOWN ON THIS PLAN. NO SUBSTITUTIONS WILL BE ALLOWED. SOD TO BE LAID WITH TIGHT STAGGERED EDGES AND BE ROLLED AFTER INSTALLATION. SEEDED AREAS CANNOT BE SUBSTITUTED WITH SOD.
- MULCHS: ALL PLANTING BEDS THAT CALL FOR WOOD/ORGANIC MULCH TO RECEIVE 4" ORGANIC SHREDDED BARK MULCH. SHREDDED MULCH IS TO BE OF FIBROUS MATERIAL, NOT CHIPS OR CHUNKS. NO FABRIC IS TO BE PLACED UNDER WOOD/ORGANIC MULCH. TREES IN TURF AND NATIVE GRASS AREAS TO RECEIVE 4" DIAMETER OF WOOD MULCH, 3" DEPTH. SHRUBS AND GROUNDCOVERS IN NATIVE GRASS AREAS TO RECEIVE 3" DIAMETER OF WOOD MULCH, 3" DEEP. ALL MULCHED BEDS ARE TO BE SPRAYED WITH WATER AFTER INSTALLATION TO HELP MULCH TO MAT DOWN.

TREES IN COBBLE/ROCK MULCH TO RECEIVE 4" DIAMETER OF WOOD MULCH, 3" DEEP. SHRUBS AND GROUNDCOVERS IN COBBLE/ROCK MULCH AREAS TO RECEIVE 3" DIAMETER OF WOOD MULCH, 3" DEEP. NO FABRIC UNDERLAYMENT IN WOOD MULCH AREAS.

ALL PLANTING BEDS THAT USE QUICK RELEASE ORGANIC PRE-EMERGENT HERBICIDE FOR ALL MULCHED AND PERENNIAL / PLANTING BEDS (AND FOR COBBLE/AGGREGATE AREAS WITH SLOPES EXCEEDING 3:1 GRADE.

- SEED MIX INSTALLATION: CONTRACTOR TO DRILL SEED WITH BRILLION TYPE APPLICATOR AND APPLY 'SOIL GUARD' BONDED FIBER MATRIX (BFM), WHERE INDICATED PER PLAN AND SCHEDULES. APPLY SEED IN TWO DIRECTIONS (PERPENDICULAR OF THE OTHER) ADD SOIL GUARD BFM FOR DRILL SEEDING WHERE NOTED PER PLAN AND ON ALL SLOPES 5:1 TO 3:1. FOR AREAS WITH 3:1 SLOPES OR GREATER CONTRACTOR TO USE SOIL GUARD APPLICATION ONLY (IN LIEU OF HYDROMULCH) CONTRACTOR TO SPOT SEED NON-GERMINATING AREAS (3) MONTHS AFTER INITIAL SEED APPLICATION. CONTRACTOR TO RE-SEED ALL BARE AREAS (6"x6") AND GREATER AFTER (6) MONTHS FROM SEED GERMINATION OR AT THE BEGINNING OF THE FOLLOWING GROWING SEASON. PRIOR TO THE 11-MONTH WARRANTY INSPECTION RE-APPLY SOIL GUARD AND SEED MIX TO ALL BARE AREAS (6"x6" OR GREATER) AND TO ALL BARE AREAS (4"x4" OR GREATER) ON ALL SLOPES 3:1 AND GREATER.

- REMOVED DEAD TWIGS AND BRANCHES FROM ALL NEW AND EXISTING PLANT MATERIAL IN A MANNER THAT DOES NOT CHANGE THE NATURAL HABIT OF THE PLANT MATERIAL. SCARES OF 1" OR MORE SHALL BE PAINTED WITH ORGANIC TREE PAINT. CENTRAL LEADERS SHALL NOT BE REMOVED AT ANY TIME. NEWLY PLANTED TREES WITHOUT CENTRAL LEADERS WILL BE REJECTED.

- CONTRACTOR TO APPLY FERTILIZER IN SPRING & LATE SEPTEMBER. WATER THOROUGHLY AFTER APPLICATION OF FERTILIZERS.

ALL SEEDED AND SODDED AREAS TO HAVE RECOMMEND FERTILIZER APPLICATIONS ADDED 2 TO 3 WEEKS AFTER SEEDLING EMERGENCE. AND ONCE IN MID TO LATE JUNE, IN EARLY TO MID AUGUST, AND ONCE IN LATE SEPTEMBER. SEEDED AND SODDED AREAS ARE ALSO TO RECEIVE .5 LB. OF ELEMENTAL SULFUR (OR EQUIVALENT MATERIAL) PER 1,000 S.F. APPLIED IN LATE SEPTEMBER. WATER THOROUGHLY AFTER APPLICATION OF FERTILIZERS.

- ALL PLANT MATERIALS AND UTILITIES ARE SHOWN AT AN APPROXIMATE LOCATIONS. THE CONTRACTOR MAY NEED TO ADJUST LOCATIONS OF PLANT MATERIAL TO ADHERE TO SPECIFIC ON-SITE CONDITIONS AND CODE REQUIREMENTS. ALL TREES AND SHRUBS TO BE PLACED AT 2' MINIMUM BACK OF CURB. CONTRACTOR TO CALL FOR UTILITY LOCATES BEFORE PLANTING (TYP.) 1-800-922-1987, OR CALL 811 BEFORE YOU DIG!

- STEEL EDGING TO BE USED TO SEPARATE ALL TURF AND/OR SEEDED AREAS FROM PLANTING BEDS. USE PERFORATED EDGING SEGMENTS TO OBTAIN POSITIVE DRAINAGE FOR ALL DRAINAGE SWALES OR AREAS OF STANDING WATER.

- CONTRACTOR TO PROVIDE COBBLE & UNDERLAYMENT FOR BUILDING DRAINS AND SWALES THROUGH LANDSCAPED AREAS.

- ALL REQUIRED LANDSCAPING TO BE INSTALLED PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

- ALL NURSERY STOCK TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI z60.1) AND THE COLORADO NURSERY ACT.

- CONTRACTOR IS RESPONSIBLE FOR CONTACTING LANDSCAPE ARCHITECT FOR ALL REQUIRED INSPECTIONS. PROVIDE AT LEAST 48 HOURS NOTICE TO SCHEDULE AN INSPECTION. REQUIRED INSPECTIONS INCLUDE A LANDSCAPE LAYOUT AND PLANT MATERIAL VERIFICATION AND PLACEMENT INSPECTION, IRRIGATION MAIN LINE INSPECTION, LANDSCAPE AND IRRIGATION PUNCH LIST INSPECTION, AND A LANDSCAPE AND IRRIGATION FINAL INSPECTION.

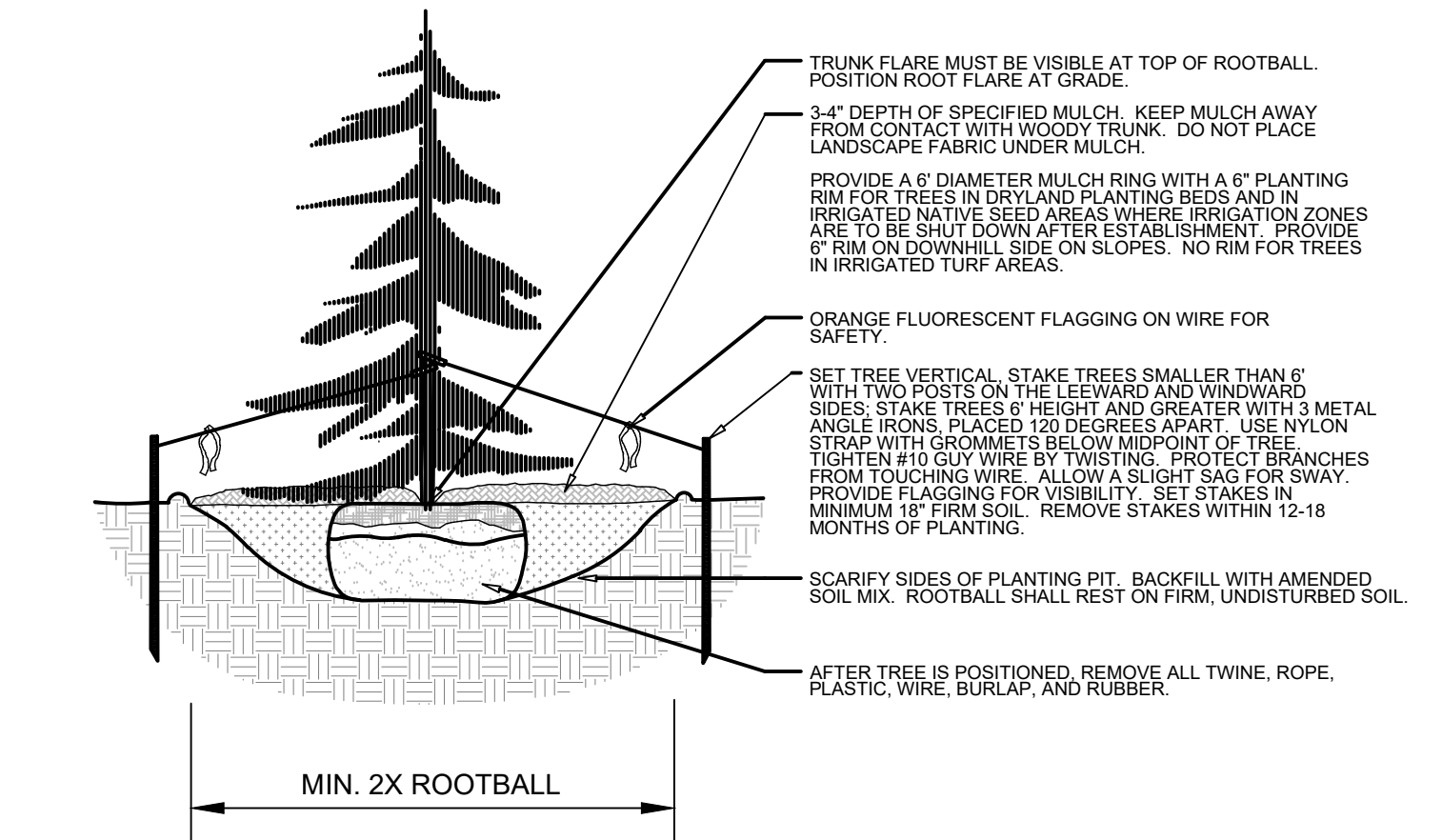
- CONTRACTOR IS TO PROVIDE A ONE YEAR WARRANTY ON ALL PLANT MATERIAL, TURF, IRRIGATION COMPONENTS, AND WORKMANSHIP. REPLACEMENT PLANT MATERIALS SHALL BE OF THE SAME SPECIES AND SIZE AS THE DECAYED OR DEAD PLANT MATERIAL. WARRANTY IS VOID IF PLANT MATERIAL ARE UNDER OR OVER-WATERED/FERTILIZED, DAMAGED BY VANDALISM OR NEGLECTED BY OWNER AFTER FINAL MAINTENANCE PERIOD AND FINAL ACCEPTANCE IS PROVIDED.

REMOVE ALL TREE STAKING MATERIALS AT END OF WARRANTY, PRIOR TO FINAL ACCEPTANCE

- MAINTENANCE: THE OWNER OF THIS PROPERTY AND ANY FUTURE OWNERS SHALL BE RESPONSIBLE FOR THE PROPER LANDSCAPE AND IRRIGATION MAINTENANCE OF THIS SITE AND ANY RIGHT OF WAY AREAS BETWEEN THE CURB AND PROPERTY LINES OF THIS SITE. MAINTENANCE OF THIS SITE INCLUDES, BUT IS NOT LIMITED TO, IRRIGATION INSPECTIONS AND ADJUSTMENTS, IRRIGATION SYSTEM SHUT DOWN AND START UP, IRRIGATION LEAK REPAIR, LANDSCAPE WEEDING, MOWING, SEEDING, FERTILIZATION, WOOD MULCH AND ROCK COVER REPLACEMENT, PRUNING, AND PLANT MATERIAL REPLACEMENT (INCLUDING ANNUAL BEDS). ALL MAINTENANCE SHOULD BE IN ACCORDANCE WITH STANDARDS SPECIFIED WITHIN THE "ALCC SPECIFICATIONS HANDBOOK" REVISED EDITION- 1996. OWNER SHOULD CONTACT LANDSCAPE CONTRACTOR OR LANDSCAPE ARCHITECT REGARDING ANY QUESTIONS RELATING TO THE LANDSCAPE OR IRRIGATION MAINTENANCE OF THIS SITE.

NOTES:

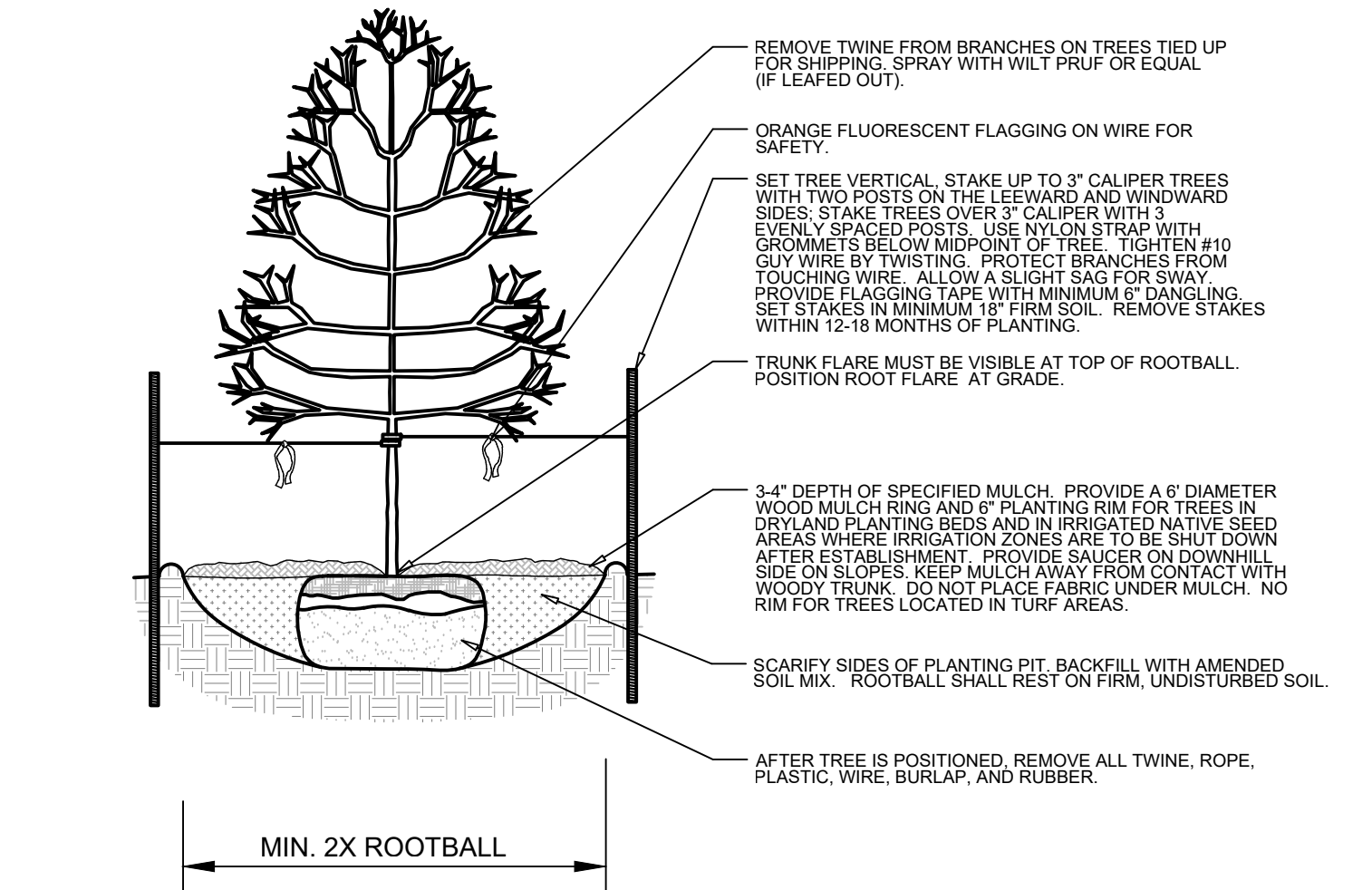
- DO NOT REMOVE OR CUT LEADER.
- PRUNE ONLY DEAD OR BROKEN BRANCHES IMMEDIATELY PRIOR TO PLANTING.
- DO NOT REMOVE ANY DOUBLE LEADER, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.
- KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
- AMENDED BACKFILL SHALL BE AS STATED ON THIS SHEET.
- MARK THE NORTH SIDE OF TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
- PINE AND SPRUCE TREES TO BE SPRAYED FOR IPS BARK BEETLE PRIOR TO PLANTING. COORDINATE WITH CITY FORESTRY
- FOR CURRENT INSECT AND DISEASE RECOMMENDATIONS PRIOR TO PLANTING.
- ALL TREES TO BE DEEP WATERED AT TIME OF PLANTING.



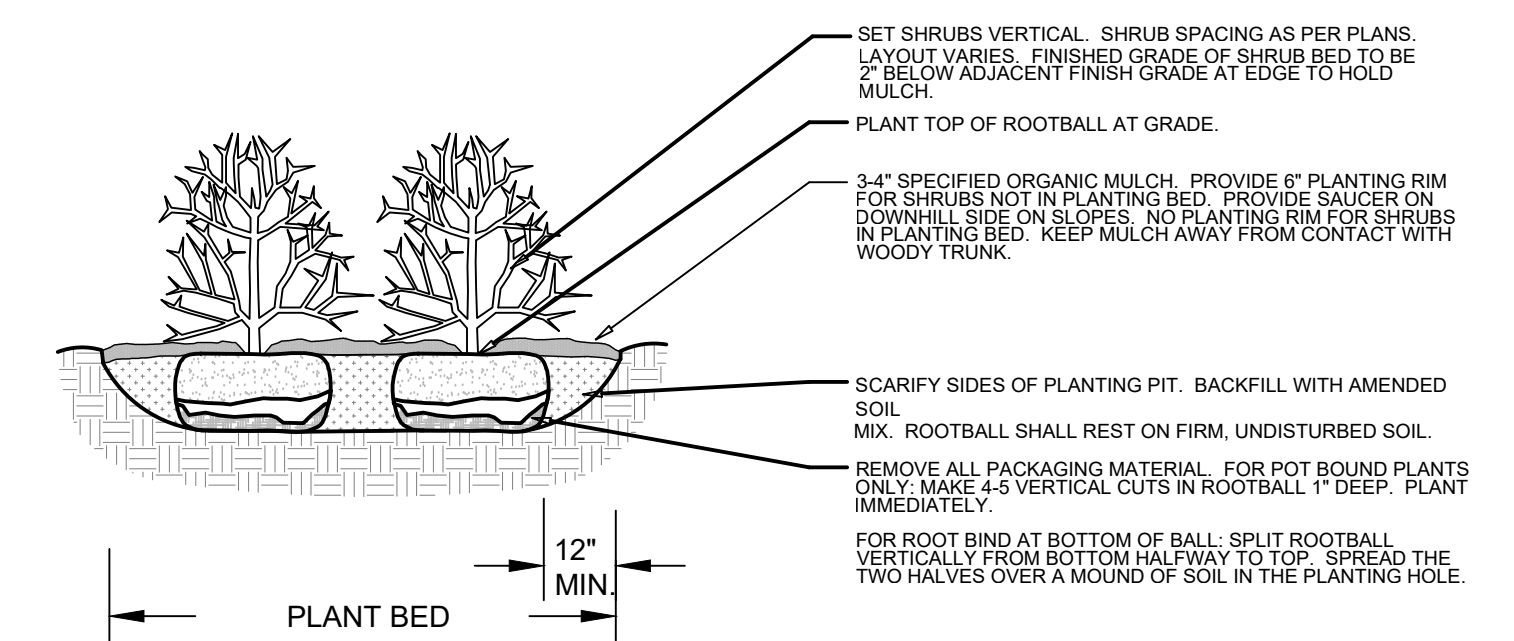
L2.0 EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE SECTION

NOTES:

- MARK THE NORTH SIDE OF TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
- AT TIME OF PLANTING, DO NOT REMOVE OR CUT LEADER AND PRUNE ONLY DEAD OR BROKEN BRANCHES, CROSS OVER BRANCHES, AND WEAK OR NARROW CROTCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED. HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
- STRUCTURAL PRUNING SHOULD NOT BEGIN UNTIL AFTER ESTABLISHMENT PERIOD, USUALLY TWO GROWING SEASONS.
- KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
- DO NOT FERTILIZE FOR AT LEAST ONE GROWING SEASON.
- AMENDED BACKFILL SHALL BE AS STATED ON THIS SHEET.
- WRAP TRUNK ON EXPOSED SITES AND SPECIES WITH THIN BARK. USE ELECTRICAL OR DUCT TAPE, NOT TWINE.
- COORDINATE WITH CITY FORESTRY FOR CURRENT INSECT AND DISEASE RECOMMENDATIONS PRIOR TO PLANTING.
- DEEP WATER ALL PLANTS AT TIME OF PLANTING.



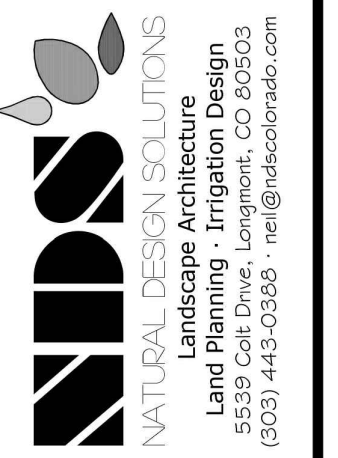
L2.0 DECIDUOUS TREE PLANTING DETAIL
SECTION



L2.0 SHRUB PLANTING DETAIL
NOT TO SCALE SECTION

PCD FILE NO.: PPR 2232

REVISIONS:
Comments: 03.16.22



GRAHAM STORAGE - LATIGO BUS CENTER, FILING 1
PEYTON, CO

FINAL LANDSCAPE PLAN DETAILS & NOTES

PROJ. NO.:
DATE: 11.30.20
SCALE: See Sheet
DRAWN: JRO
CHKD BY: NAM
SHEET L2.0

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
	8	K-5SH 2@180	2 @ 180°	1.010	16897	130	OSQ-A-NM-5SH-K-40K-UL-_-PML w/OSQ-DA_

Calculation Summary (Footcandles calculated using predicted lumen values @ 50K hrs of operation and 5°C ambient)						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Grade	Fc	0.32	3.6	0.0	N.A.	N.A.
Lot	Fc	1.28	3.6	0.2	6.40	18.00

Pole Schedule
 (8) CL-SSP-4011-25-D2_ (25' X 4" X 11ga STEEL SQUARE POLE)
 Poles to be mounted atop of 3' concrete base
 Customer to verify poles meet local windzone requirements

Fixtures mounted at 28' AFG as specified in fixture label

Additional Equipment:
 (16) OSQ-DA_ Direct Arm Mount
 (1) XA-SENSREM Hand-Held Remote

*** CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER ***

