- 1.1. THE NATIVE SUN PROJECT SHALL CONSIST OF IMPROVING VACANT LAND BY ADDING AN OFFICE BUILDING, MAINTENANCE SHOP AND CONSTRUCTION YARD. IN ADDITION, UNPAVED PARKING (ABC SURFACE) AND CIRCULATION AISLES, AN EXTENDED DETENTION POND, AND DRAINAGE FEATURES WILL BE PART OF THE PROJECT. BOTH WET AND DRY UTILITIES WILL BE EXTENDED TO AND FROM THE PROJECT, AND A NEW WELL DRILLED ON SITE.
- 1.2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, STATE DEPARTMENT OF TRANSPORTATION STATE OF COLORADO AND REVISIONS THERETO AS REFLECTED IN THE TECHNICAL SPECIFICATIONS AND DESIGN STANDARDS. ALL UTILITY WORK SHALL CONFORM TO THE STANDARDS OF THE TOWN OF MONUMENT/COLORADO SPRINGS UTILITIES.
- 1.3. THE FOLLOWING CDOT SPECIFICATION SECTIONS ARE TO BE IMPLEMENTED ON THE PROJECT. NOT ALL SPECIFICATIONS LISTED BELOW MAY BE REQUIRED FOR THE PROJECT. INFORMATION AND NOTES FOUND ON THESE PLANS SHALL OVERRIDE THE CDOT SPEC IN CASE OF CONFLICT: 1.3.1. 202 REMOVAL OF STRUCTURES AND OBSTRUCTIONS
- 1.3.2. 203 EXCAVATION AND EMBANKMENT
- 1.3.3. 207 TOPSOIL
- 1.3.4. 208 EROSION CONTROL 1.3.5. 209 WATERING AND DUST PALLIATIVES
- 1.3.6. 213 MULCHING
- 1.3.7. 216 SOIL RETENTION COVERING
- 1.3.8. 304 AGGREGATE BASE COURSE
- 1.3.9. 406 COLD ASPHALT PAVEMENT (RECYCLE)
- 1.3.10. 506 RIPRAP
- 1.3.11. 603 CULVERTS AND SEWERS
- 1.3.12. 604 MANHOLES, INLETS, AND METER VAULTS
- 1.3.13. 609 CURB AND GUTTER
- 1.3.14. 625 CONSTRUCTION SURVEYING
- 1.3.15. 626 MOBILIZATION
- 1.4. A QUALIFIED SUPERINTENDENT, WHO IS ACCEPTABLE TO THE OWNER, SHALL BE APPOINTED TO SUPERVISE THE WORK UNTIL COMPLETION. THE SUPERINTENDENT SHALL HAVE FULL AUTHORITY TO ACT IN BEHALF OF THE CONTRACTOR. AND ALL DIRECTIONS GIVEN TO THE SUPERINTENDENT SHALL BE CONSIDERED GIVEN TO THE CONTRACTOR.

Indicates

addressed by CD

Civil Design

omment

- 1.5. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED PERMITS TO COMPLETE THE CONSTRUCTION CONTAINED ON THESE DOCUMENTS AND SHALL COMPLY WITH ALL PERTINENT LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.
- 1.6. THE CONTRACTOR SHALL MAINTAIN MINIMUM STATUTORY INSURANCE COVERAGE DURING CONSTRUCTION AND SHALL INDEMNIFY THE OWNER IN ACCORDANCE WITH THEIR REQUIREMENTS.
- 1.7. CONSTRUCTION STAGING FOR THIS PROJECT SHALL OCCUR ON-SITE
- 1.8. THE OWNER WILL RETAIN A QUALIFIED GEOTECHNICAL CONSULTANT TO PERFORM QUALITY CONTROL TESTING OF DENSITIES AND MATERIALS. ANY WORK NOT MEETING THE SPECIFICATIONS SHALL BE REWORKED AND RETESTED AT NO ADDITIONAL COST TO THE PROJECT. DISTRIBUTION OF TEST RESULTS SHALL BE SUBMITTED TO CONTRACTOR AND ENGINEER.
- 1.9. CONSTRUCTION INSPECTION OF THE WORK WILL BE PROVIDED BY THE OWNER.
- 1.10. UPON COMPLETION OF ALL CONSTRUCTION AND PROBATIONARY ACCEPTANCE THE CONTRACTOR SHALL PROVIDE A ONE (1) YEAR WARRANTY ON ALL WORKMANSHIP AND MATERIAL ASSOCIATED WITH THIS PROJECT. ANY DEFICIENCIES IDENTIFIED DURINGTHE WARRANTY PERIOD SHALL BE PROMPTLY ADDRESSED BY THE CONTRACTOR.
- 1.11. MATERIALS TESTING AND CONSTRUCTION OBSERVATION WILL BE PROVIDED BY THE OWNER/DEVELOPER.
- 1.12. PLANS BASED ON TOPOGRAPHICAL DATA SUPPLIED BY:
  - BARRON LAND

SURVEYED 2021

- COLORADO SPRINGS, CO
- 1.12.1. ACCURACY OF THIS DATA HAS NOT BEEN VERIFIED. USE OF THESE PLANS IMPLIES THE OWNER AND CONTRACTOR ACCEPTS THIS SUPPLIED TOPOGRAPHICAL DATA AS
- CONTROL POINTS

ACCURATE

- 2.1. SEE FINAL PLAT-NATIVE SUN CONSTRUCTION FILING NO.1, PREPARED BY BARRON LAND, LAST REVISED 9-30-21.
- SITE PREPARATION
- 3.1. IF FIELD CONDITIONS ARE FOUND TO BE DIFFERENT THAN THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE OWNER/DEVLOPER/ENGINEER REPRESENTATIVE IMMEDIATELY SO THAT APPROPRIATE ACTION CAN BE TAKEN. CONTRACTOR SHALL NOTIFY OWNER/DEVLOPER/ENGINEER REPRESENTATIVE OF ANY DESIGN ISSUES OR INCONSISTENCIES PRIOR TO CONSTRUCTION SO THAT APPROPRIATE ACTION CAN BE TAKEN.
- 3.2. CONTRACTOR SHALL PROTECT ALL MONUMENTS. INCLUDING PROPERTY CORNERS WITHIN THE PROJECT LIMITS. ANY MONUMENT WHICH IS DISTURBED OR DESTROYED BY THE CONTRACTOR WILL BE RESTORED IN ACCORDANCE WITH CDOT STANDARDS AT THE CONTRACTORS EXPENSE. ALL MONUMENTS AND PROPERTY CORNERS WILL BE ADJUSTED TO FINAL GRADE PER CDOT STANDARDS.
- 3.3. DEMOLITION FOR THIS PROJECT CONSISTS GENERALLY OF GRADING AND CLEARING OBSTRUCTIONS IN THE VICINITY OF THE WORK. CLEARING AND GRUBBING ACTIVITIES SHALL OCCUR UNDER REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- 3.4. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING.
- 3.5. CONTRACTOR SHALL PROTECT TREES NOT BEING REMOVED.
- 3.6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY DISPOSING OF ALL REMOVALS OFF THE PROJECT SITE. COST FOR DISPOSAL OF ALL REMOVED ITEMS SHALL BE INCLUDED IN THE WORK.
- **EROSION CONTROL**
- 4.1. ALL PERSONS ENGAGING IN EARTH DISTURBANCES SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- 4.2. SEDIMENT (MUD AND DIRT) TRANSPORTED ONTO PUBLIC ROAD SHALL BE CLEANED AT THE END OF EACH DAY.

# <u>DEVELOPMENT PLAN NOTES</u>

PROJECT NAME & DESCRIPTION: NATIVE SUN CONSTRUCTION, SITE IMPROVEMENTS-CONSTRUCT AN OFFICE BUILDING, REPAIR SHOP, AND CONSTRUCTION YARD ON THE PROPERTY TO THE WEST OF WOODCARVER

	OWNER:	NATIVE SUN CONSTRUCTION INC. 16050 OLD DENVER RD	PLANNER:	PATTEN ASSOCIATES, INC 4271 HORSE GULCH LOOP
		MONUMENT, CO 80132		COLORADO SPRINGS, CO 80924
		•		,
		719-593-5874		970-846-9111
1				
	ENGINEER:	CD CIVIL DESIGN LLC	ARCHITECT:	J:BROWN:RIGG ARCHITECTURE
		2013 STONELEIGH TRAIL		60 NORTH MAIN STREET
		MONUMENT, CO 80132		CEDAR CITY,UT 84720
		719-271-1175		435-590-3577
	7 10 27 1 1170			
	LANDSCAPE A	RCH: CIVIL DESIGN PARTNERSHIP	SURVEYOR:	BARRON LAND, LLC
		142 S RAVEN MINE DR		2790 N ACADEMY BLVD #311
		STE 100		COLORADO SPRINGS, CO 80917
		COLORADO SPRINGS, CO 80905		719-360-6827

- TOTAL DEVELOPMENT PLAN AREA: 7.36 ACRES.
- o SITE ADDRESS LOT 1: 15020 WOODCARVER ROAD, MONUMENT CO 80132
- o SITE ADDRESS LOT 2: 15010 WOODCARVER ROAD, MONUMENT CO 80132
- TAX SCHEDULE NUMBER: 7135000004 (PRIOR TO SUBDIVIDING)

# NATIVE SUN CONSTRUCTION

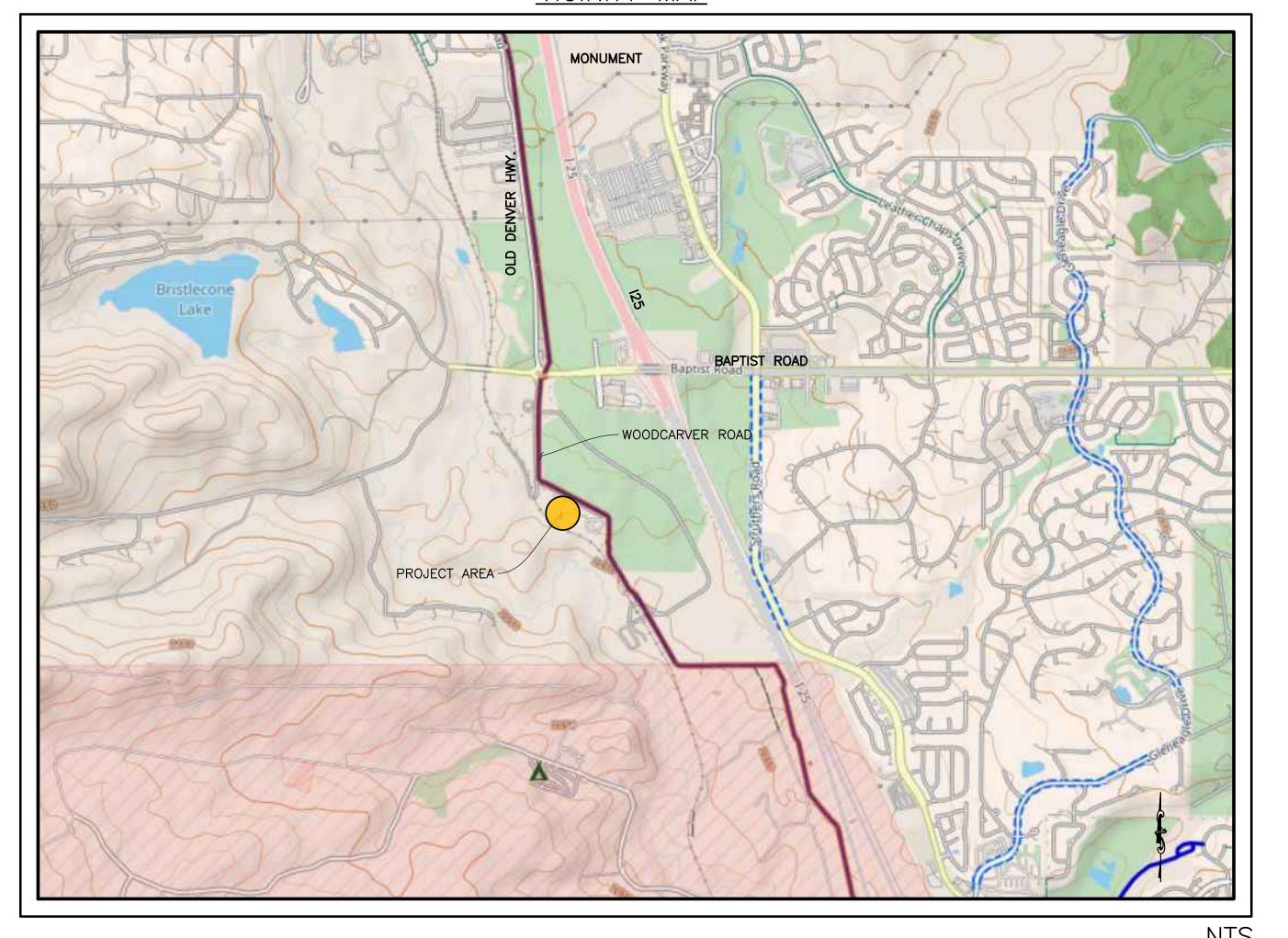
MONUMENT, COLORADO

# CONSTRUCTION PLANS

**LEGAL DESCRIPTION LOT 1:** 

LOT 1, NATIVE SUN CONSTRUCTION FILING NO. 1, LOCATED IN THE TOWN OF MONUMENT, COUNTY OF EL PASO, STATE OF COLORADO.

# VICINITY MAP



# DEVELOPER'S STATEMENT

THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THE EROSION AND STORMWATER QUALITY CONTROL PLAN INCLUDING TEMPORARY BMP INSPECTION REQUIREMENTS AND FINAL STABILIZATION REQUIREMENTS.I ACKNOWLEDGE THE RESPONSIBILITY TO DETERMINE WHETHER THE CONSTRUCTION ACTIVITIES ON THESE PLANS REQUIRE COLORADO DISCHARGE PERMIT SYSTEM (COPS) PERMITTING FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

EPHRAIM JESSOP	DATE
DBA	
TITLE	
NAME	PHONE
	EMAIL
ADDRESS	FAX
FOREST LAKES METROPOLITAN DISTRICT APPROVAL:	
FOREST LAKES METROPOLITAN DISTRICT PLAN APPROVAL	DATE



# **ENGINEER'S STATEMENT:**

THE EROSION AND STORM WATER QUALITY CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. WORK PERFORMED IN ACCORDANCE WITH THE EROSION AND STORM WATER QUALITY CONTROL PLAN WILL NOT BECOME A HAZARD TO LIFE AND LIMB, ENDANGER PROPERTY, OR ADVERSELY AFFECT THE SAFETY, USE, OR STABILITY OF A PUBLIC WAY, DRAINAGE CHANNEL, OR OTHER PROPERTY.

CHRISTIAN L. DAY, COLORADO P.E. CD CIVIL DESIGN LLC

# **TOWN OF MONUMENT ACCEPTANCE:**

THESE PLANS HAVE BEEN REVIEWED BY THE TOWN OF MONUMENT STAFF AND FOUND TO BE IN GENERAL COMPLIANCE WITH TOWN OF MONUMENT AND TRIVIEW STANDARDS. IT IS THE RESPONSIBILITY OF THE SITE ENGINEER AND GENERAL CONTRACTOR TO ENSURE CONSTRUCTION IS IN COMPLIANCE WITH THESE PLANS AND IN CONFORMANCE WITH THE TOWN OF MONUMENT DESIGN CRITERIA & CONSTRUCTION SPECIFICATIONS, REGULATIONS, TRIVIEW METROPOLITAN DISTRICT DESIGN CRITERIA CONSTRUCTION SPECIFICATIONS, AND THE CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUALS VOLUMES 1 AND 2 SHALL PREVAIL IN ANY INSTANCES WHERE THESE PLANS DIFFER WITH THOSE REQUIREMENTS.

THE DEVELOPMENT SERVICES DEPARTMENT SHALL BE NOTIFIED IF ANY CHANGES NEED TO BE MADE.

TOWN OF MONUMENT

4.3. ALL NEWLY GRADED AND DISTURBED AREAS SHALL REQUIRE EROSION CONTROL, INCLUDING STABILIZATION AS DESCRIBED IN SECTION 208 OF THE CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

4.4. WATER USED AS A DUST PALLIATIVE AND WATER REQUIRED FOR AIR POLLUTION CONTROL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN COST OF OTHER WORK

5.1. AFTER REMOVAL OF EXISTING ASPHALT, CONCRETE, AND OTHER EXISTING SITE FEATURES IN THE AREA OF THE PROPOSED IMPROVEMENTS, AND PRIOR TO PLACEMENT OF NEW ASPHALT PAVEMENT, RECYCLED ASPHALT PAVEMENT, CONCRETE CURB & GUTTER, DRAINAGE STRUCTURES, OR OTHER NEW FEATURES, THE FOLLOWING SHALL BE PERFORMED IN REGARD TO SUBGRADE PREPARATION AND PLACEMENT OF ANY NEW FILL

5.1.1. SUBGRADE PREPARATION SHALL INCLUDE SCARIFYING TO A MINIMUM DEPTH OF 6 INCHES, MOISTURE CONDITIONING TO WITHIN 2% OF OPTIMUM, AND RE-COMPACTING THE SUBGRADE TO MINIMUM 92% STANDARD PROCTOR DRY DENSITY (ASTM D698).

5.1.2. NEW FILL FOR EMBANKMENT, STRUCTURAL, OR TRENCH BACKFILL, ETC. SHALL CONSIST OF ON-SITE SOILS OR NON-PLASTIC, WELL-GRADED, GRANULAR FILL WITH MAXIMUM PARTICLE SIZE OF 1-INCH AND NO MORE THAN 20% PASSING THE NUMBER 200 SIEVE. COMPACTION OF NEW FILL SHALL BE MINIMUM 95% STANDARD PROCTOR, AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM (ASTM D698).

STORMWATER MANAGEMENT 6.1. DRAINAGE AND STORMWATER MANAGEMENT SHALL CONSIST OF CONSTRUCTION OF DITCHES. INSTALLATION OF FLARED END SECTIONS, INLETS AND RCP CULVERTS, CURB & GUTTER, AND CONSTRUCTION OF A FULL SPECTRUM EXTENDED DETENTION BASIN.

6.2. PROTECT INLETS WITH BMPS ONCE COMPLETED AND OPERATIONAL. INSPECT AND, IF NECESSARY, CLEAN AND FLUSH STORM SEWER SYSTEM UPON COMPLETION OF CONSTRUCTION AND PRIOR TO REQUEST FOR FINAL INSPECTION.

7. UTILITY 7.1. EXISTING UTILITY LOCATIONS ARE ONLY APPROXIMATE AS PROVIDED BY THE VARIOUS UTILITY COMPANIES. ALL UTILITIES MAY NOT BE SHOWN ON THESE PLANS. THE CONTRACTOR SHALI VERIFY THE LOCATION OF ALL UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES OR VARIATION IN UTILITY LOCATION FROM THAT SHOWN ON THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE AND RESOLVED PRIOR TO BEGINNING CONSTRUCTION IN ANY AREA. UTILIT LOCATIONS CAN BE COORDINATED THROUGH ONE CALL 811 OR THROUGH A LOCATING COMPANY. IF ANY DAMAGE OCCURS TO THESE UTILITIES DURING CONSTRUCTION, IT SHALL B THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE THE UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR ANY UTILITIES DISRUPTED BY THE CONSTRUCTION AND ALL EXPENSES INCURRED FOR REPAIR. EXISTING UTILITIES IN OR NEAR THE SITE SHALL BE PROTECTED DURING CONSTRUCTION BY THE CONTRACTOR.

7.2. UTILITIES SHALL BE CONSTRUCTED ACCORDING TO THE TOWN OF MONUNENT CONSTRUCTION STANDARDS AND SPECIFICATIONS.

7.3. UTILITY WORK FOR THIS PROJECT IS GENERALLY DESCRIBED AS FOLLOWS:

- 7.3.1. WATER: A WELL WILL BE DRILLED IN THE LOCATION SHOWN ON THE UTILITY PLAN. WELL PERMIT HAS BEEN SECURED BY OTHERS. WATER LINE WILL BE ROUTED TO THE SHOP, THEN TO THE OFFICE. DESIGN OF WELL, PIPING, PUMPS AND OTHER EQUIPMENT IS BY
- 7.3.2. SANITARY SEWER: NEW SERVICE LINES WILL BE CONSTRUCTED FROM BOTH THE SHOP AND OFFICE, AND CONVEYED NORTH AND EAST TO A AN EXISTING MANHOLE ACROSS THE SANTA FE TRAIL. NATIVE SUN HAS SECURED A PERMIT TO CROSS EL PASO COUNTY TRAIL PROPERTY AND TO CONNECT TO THE EXISTING MANHOLE
- 7.3.3. GAS: PROPANE FOR THE SITE WILL BE STORED AND PROVIDED IN A PROPOSED TANK TO THE WEST OF THE SHOP. FEEDER LINES FROM THE TANK WILL SERVICE BOTH THE SHOP AND OFFICE AS ILLUSTRATED ON THE UTILITY PLAN.
- 7.3.4. ELECTRIC: EXISTING SERVICES ENTER THE SITE AT THE NORTHWEST PART OF THE PROPERTY. THE EXISTING SERVICES ARE OVERHEAD, AND IN LIKELY CONFLICT WITH THE ACCESS ROAD GRADING AND CONSTRUCTION. CONTRACTOR TO WORK WITH MVEA ON RELOCATION AND POSSIBLE BURIAL. ELECTRIC, EITHER UNDERGROUND OR OVERHEAD, WILL BE FED TO BOTH THE SHOP AND OFFICE ORIGINATING FROM THE SOUTHWEST INTERSECTION OF THE TWO ACCESS ROADS.

7.3.5. TELECOM IS PROPOSED TO COME OFF THE EXISTING LINES IN WOODCARVER ROAD. IT IS PROPOSED TO BRING THIS FEED DIRECTLY INTO THE SHOP, THEN ROUTE TO THE OFFICE.

7.4. THE CONTRACTOR SHALL ADJUST ANY VALVES OR MANHOLES OF EXISTING UTILITIES NOT TO BE RELOCATED TO THE PROPOSED GRADE. THE COST SHALL BE INCLUDED IN THE PRICE OF THE WORK.

8. LIGHTING

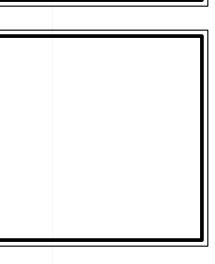
8.1. SITE LIGHTING SHALL BE PROVIDED BY WALLPAK FIXTURES MOUNTED DIRECTLY ON EACH BUILDING. SEE ARCHITECTURAL/ELECTRICAL PLANS FOR MORE DETAIL.

# SHEET INDEX

	SHEET NO.	NAME
-	C-1	TITLE SHEET
	C-2	GENERAL SITE PLAN, SIGNAGE & STRIPING
	C-3	ACCESS & SITE PROFILES
	C-4	GRADING & DRAINAGE
	C-5	UTILITY PLAN
	C-6	DRAINAGE & UTILITY PROFILES
	C-7	POND PLAN
	C-8	POND ELEVATIONS
	C-9	POND DETAILS
	C-10	LANDSCAPE PLAN
	C-11	LANDSCAPE DETAILS
	C-12	IRRIGATION PLAN
	C-13	IRRIGATION DETAILS
	C-14	GRADING & EROSION CONTROL
	C-15	GRADING & EROSION CONTROL DETAILS
	C-16	LAYOUT & COORDINATE GEOMETRY
	C 47	LITH ITV DETAILS







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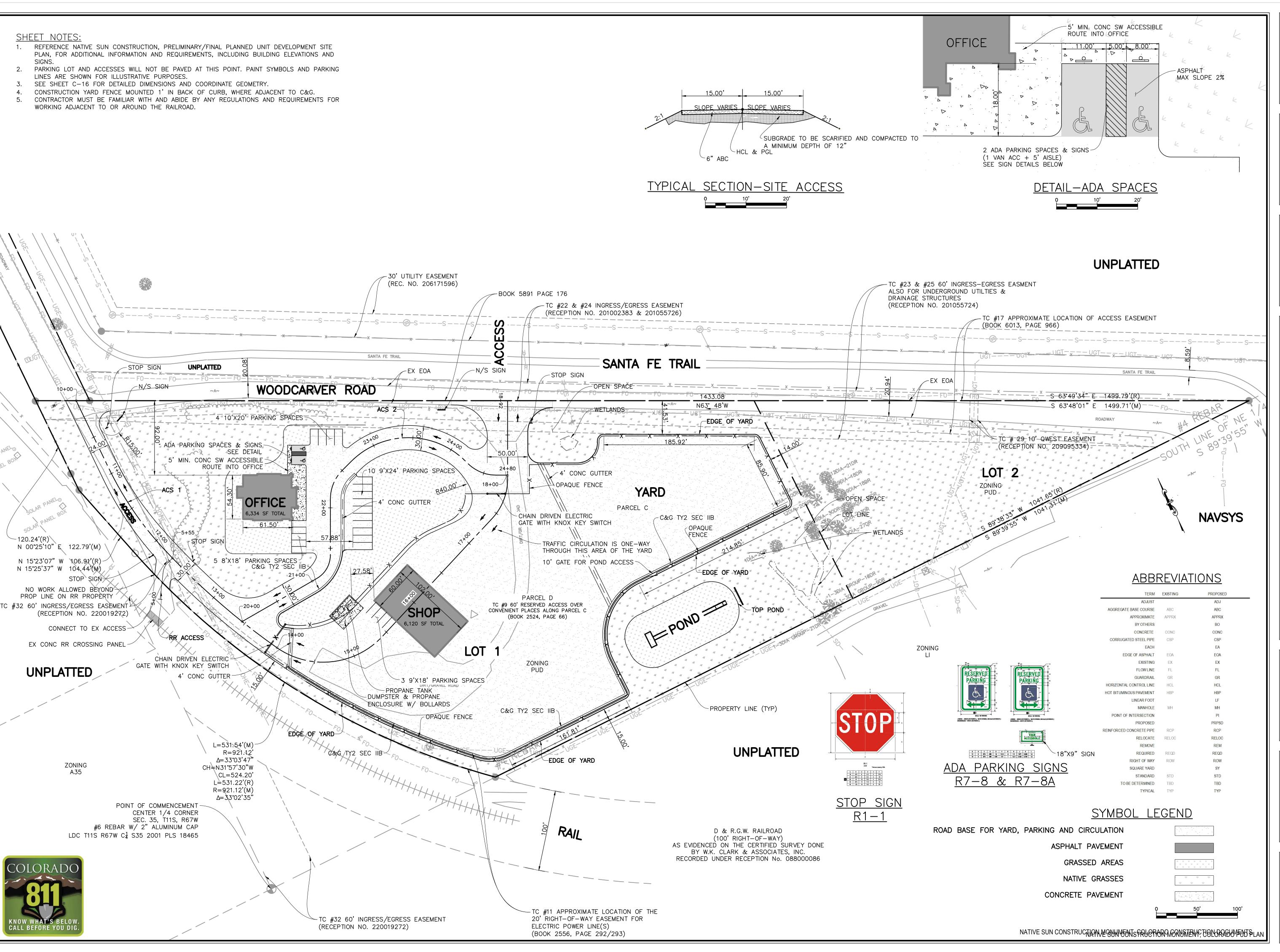
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SHEET NO .:

UTILITY DETAILS

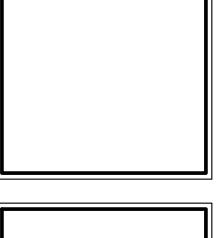
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NATIVE SUN CONSTRUCTION MONUMENT, COLORADO CONSTRUCTION DOCUMENTS









NATIVE SUN CONSTRUCTION PLANS

GENERAL SITE PLAN, SIGNAGE & STRIPIN

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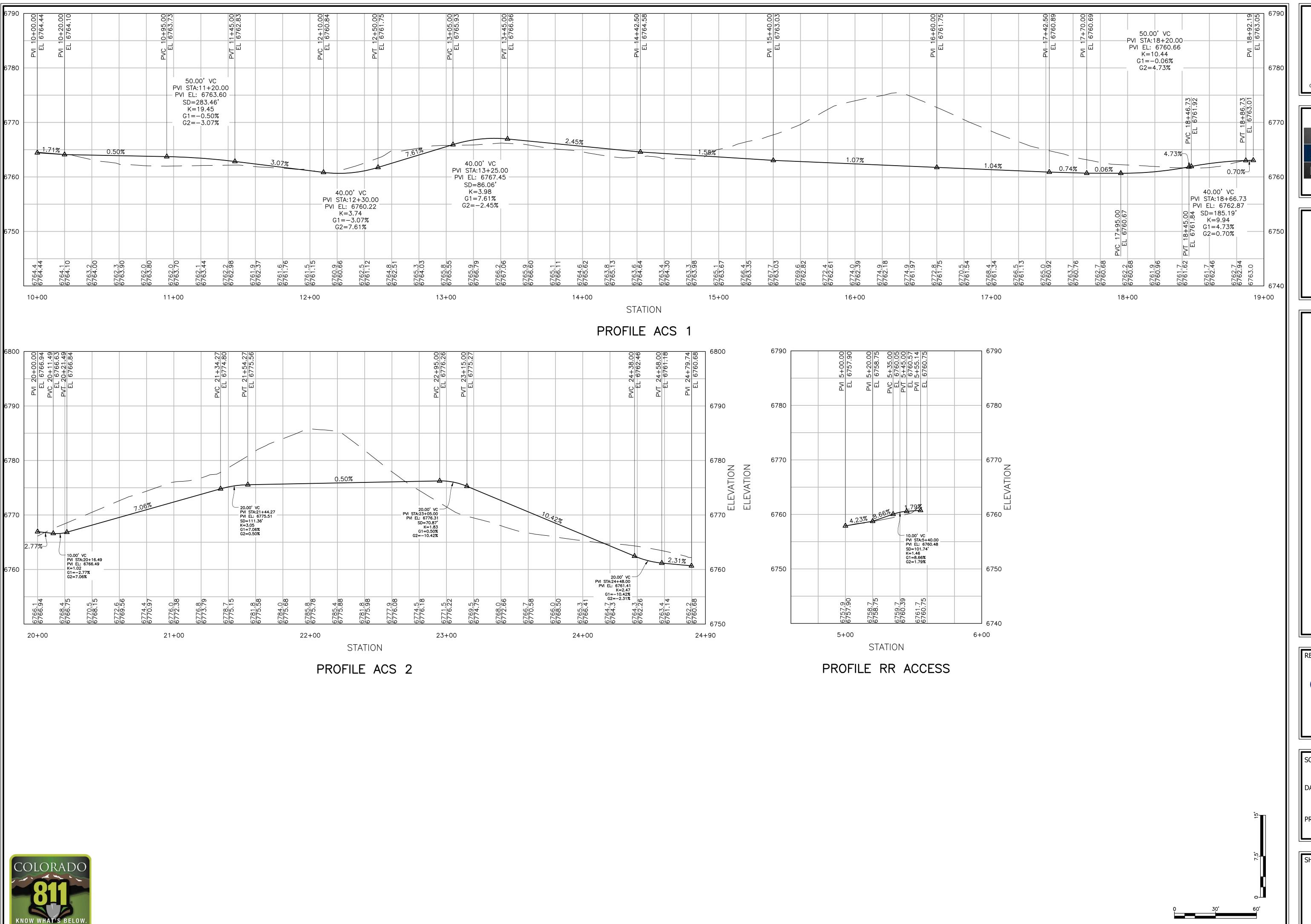
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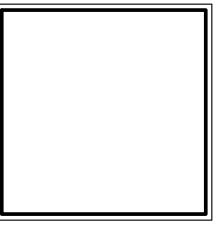
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NATIVE SUN CONSTRUCTION PLANS
ACCESS & SITE PROFILES

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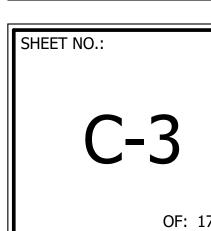
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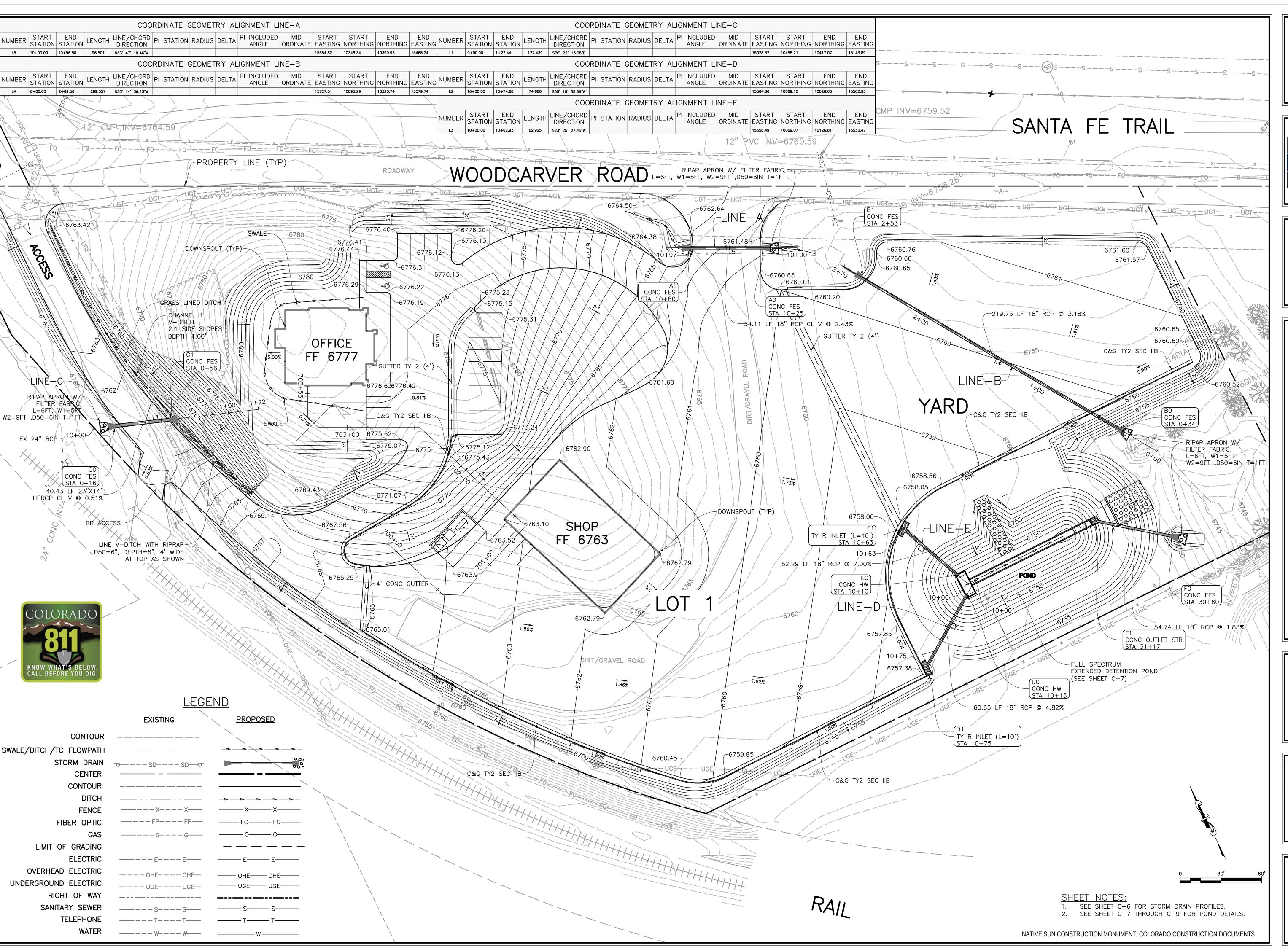
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PROJECT NO.:



NATIVE SUN CONSTRUCTION MONUMENT, COLORADO CONSTRUCTION DOCUMENTS









NATIVE SUN CONSTRUCTION PLANS
GRADING AND DRAINAGE PLAN

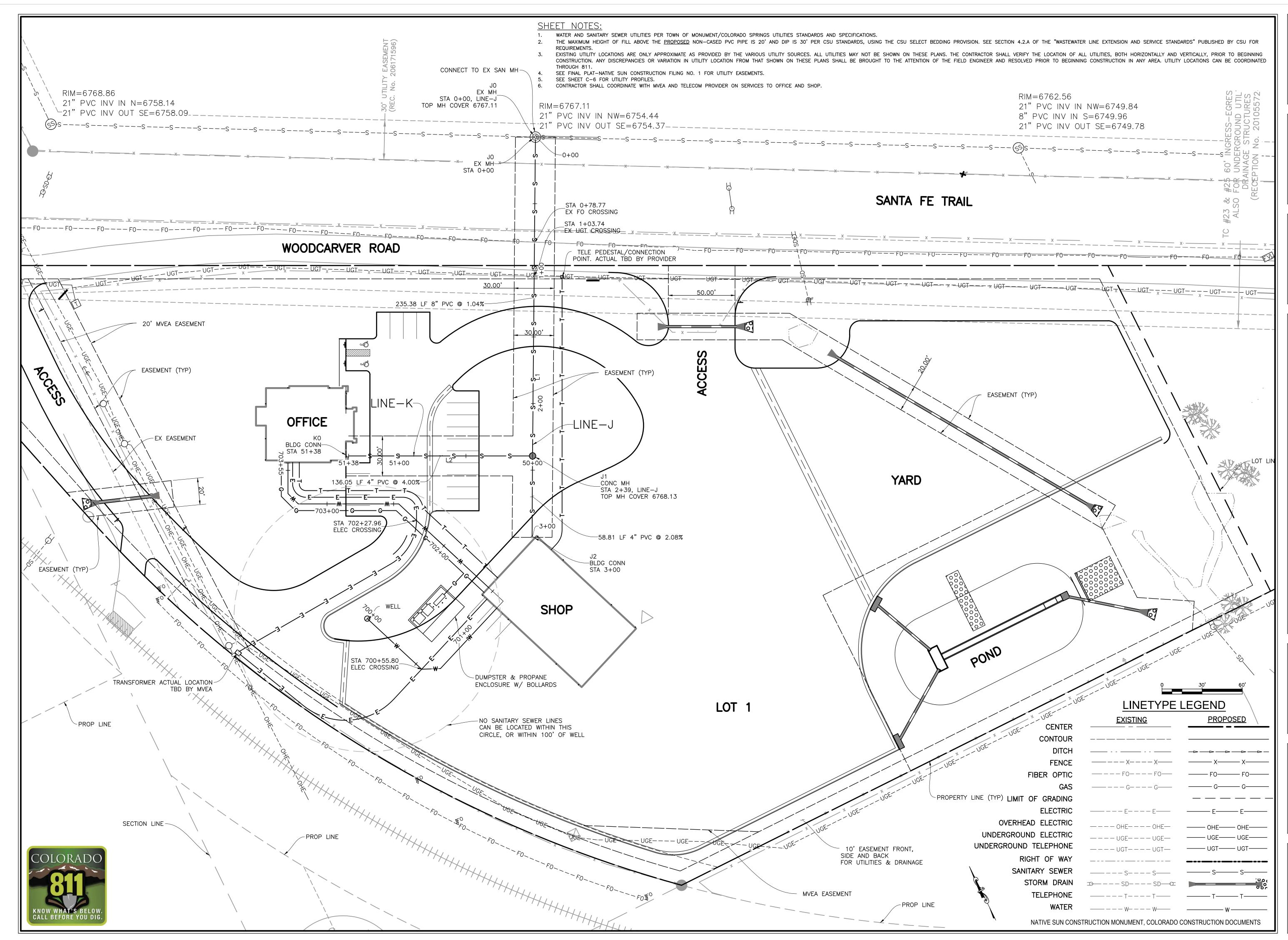
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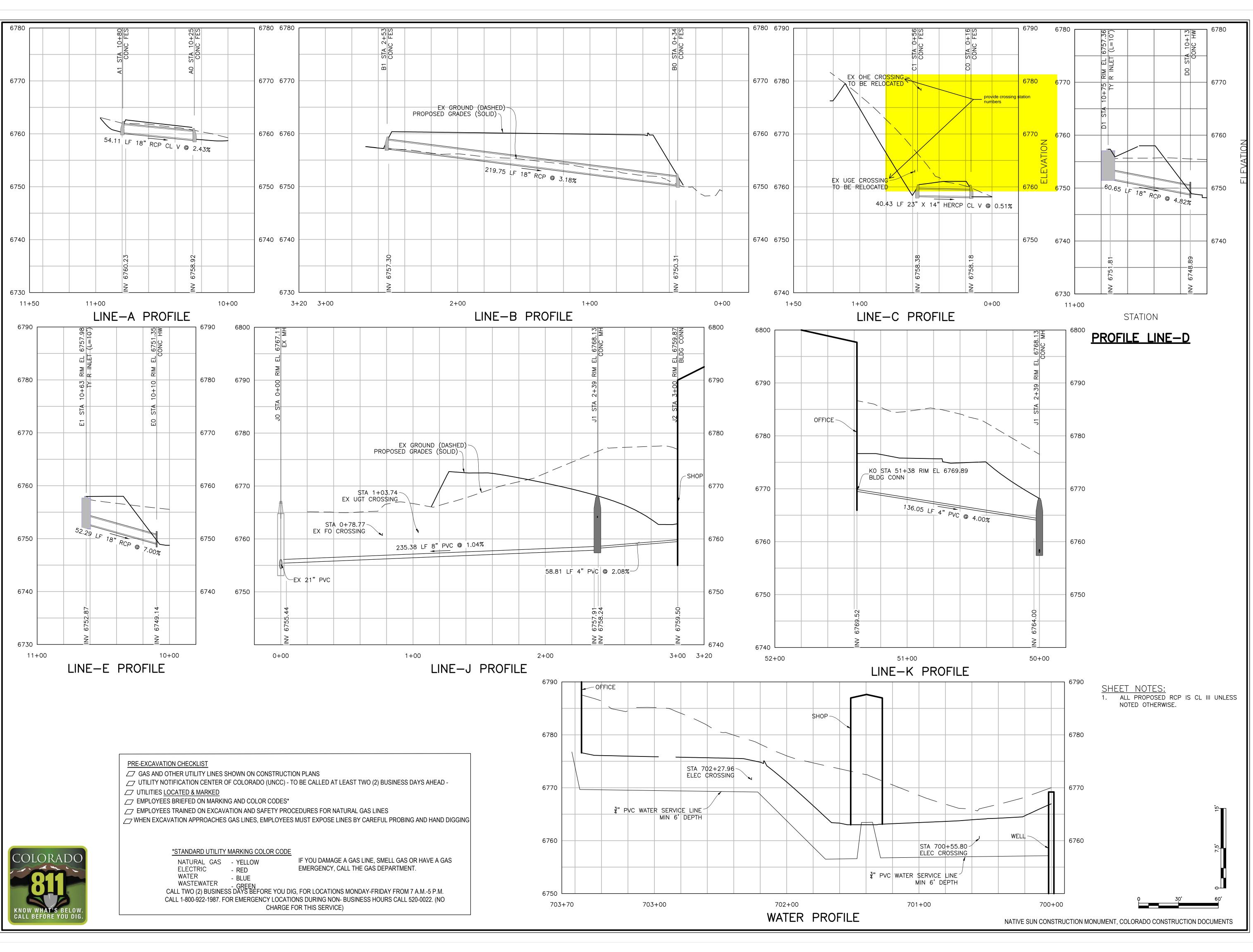
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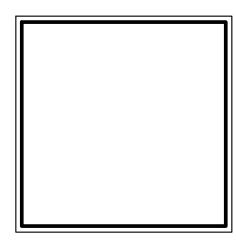
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NATIVE SUN CONSTRUCTION PLANS

CONSTRUCTION PLANS

DRAINAGE & UTILITY PROFILES

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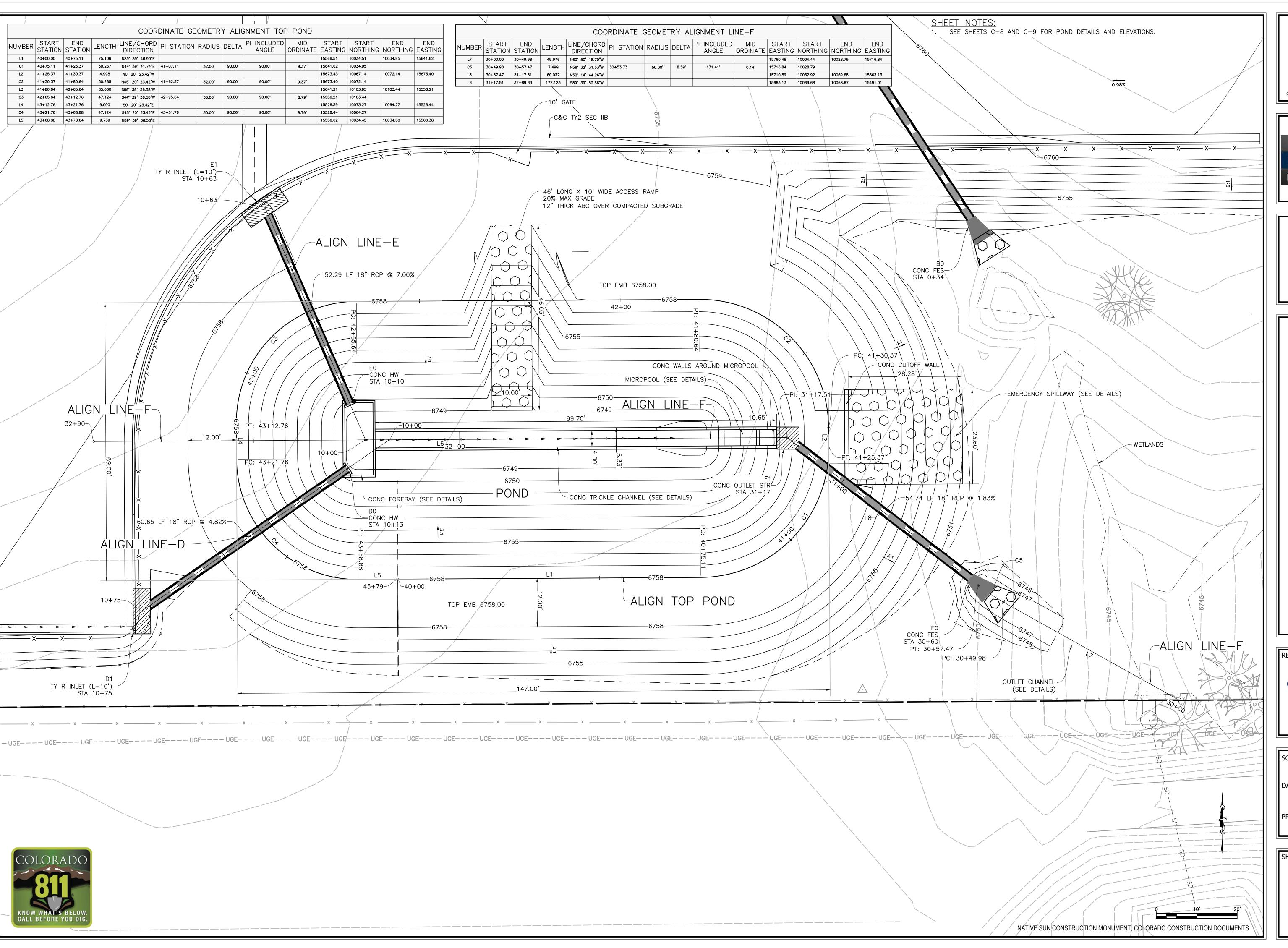
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OF: 17











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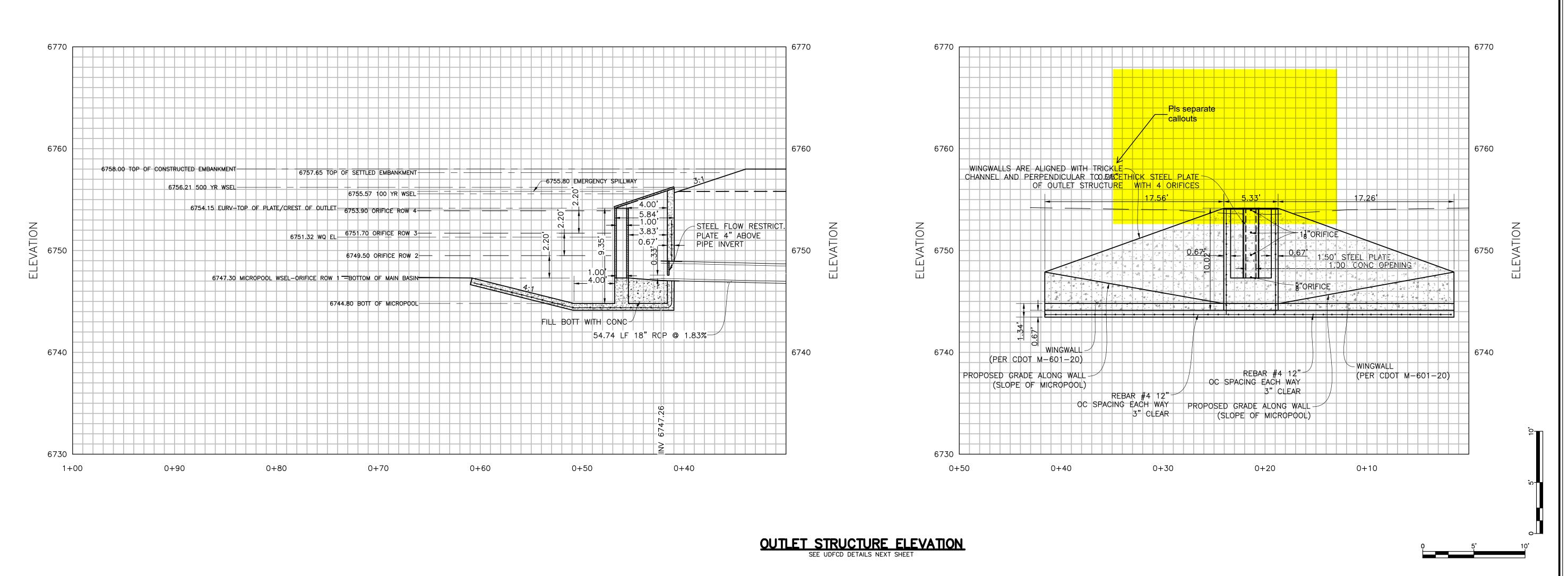
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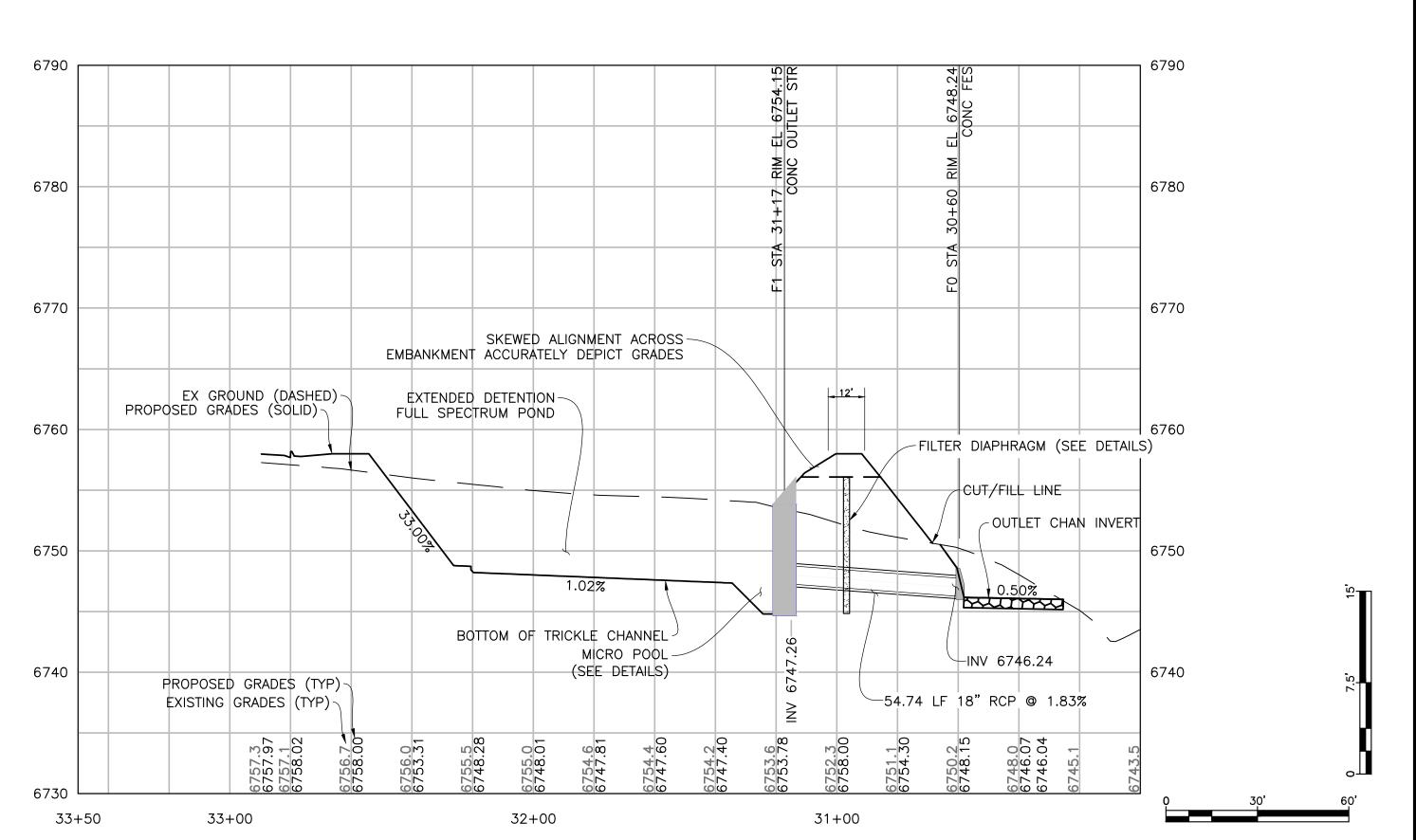
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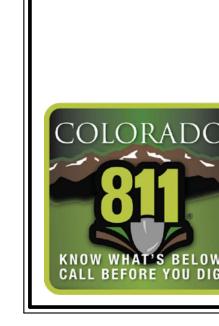
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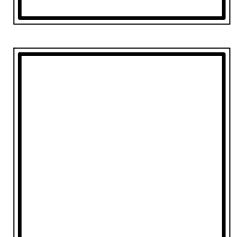


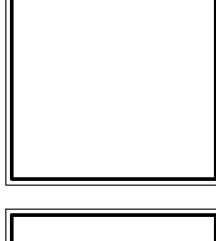














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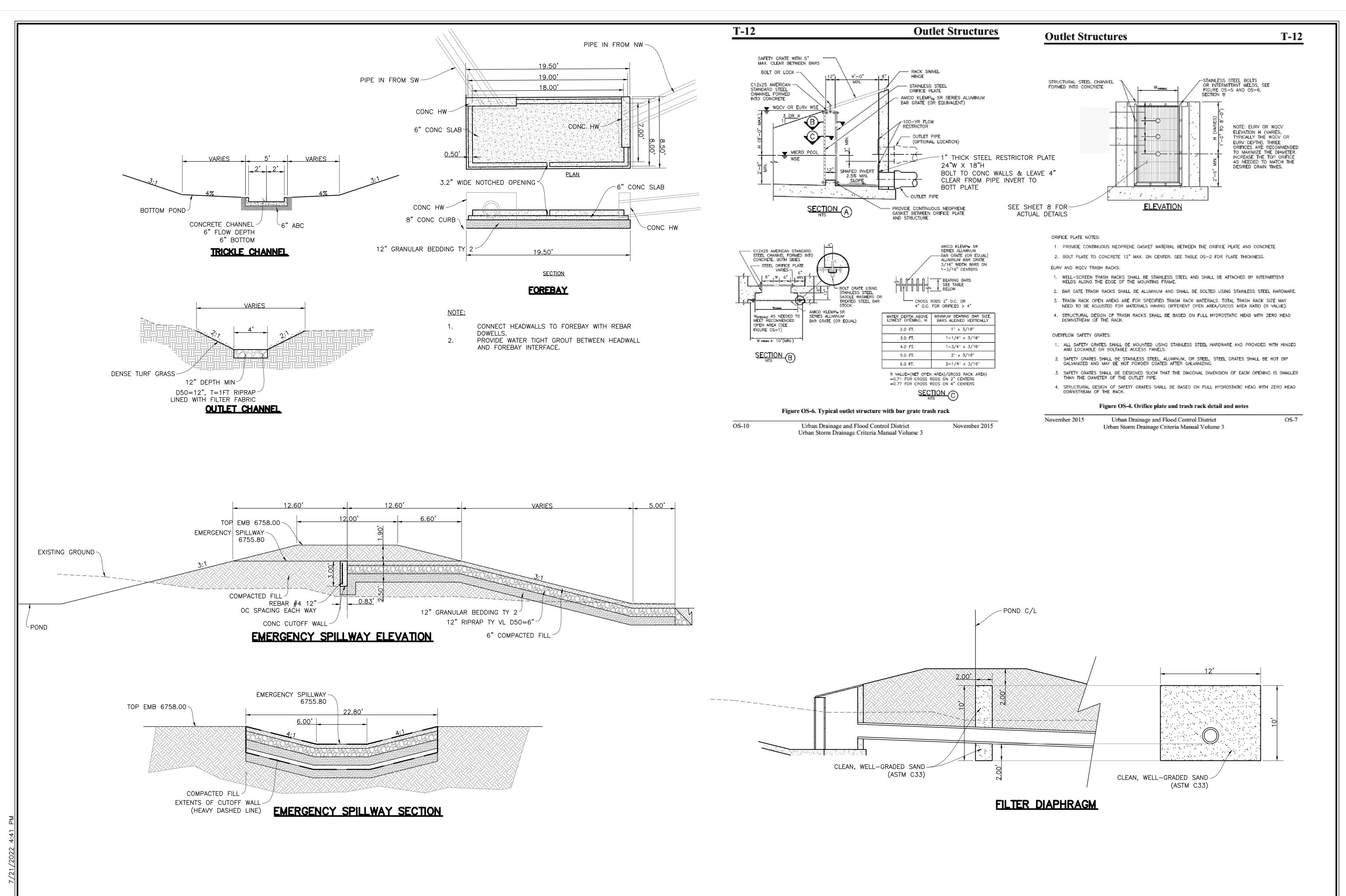
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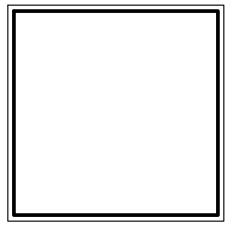
NATIVE SUN CONSTRUCTION MONUMENT, COLORADO CONSTRUCTION DOCUMENTS

OF: 17









NATIVE SUN CONSTRUCTION PLANS

POND DETAILS

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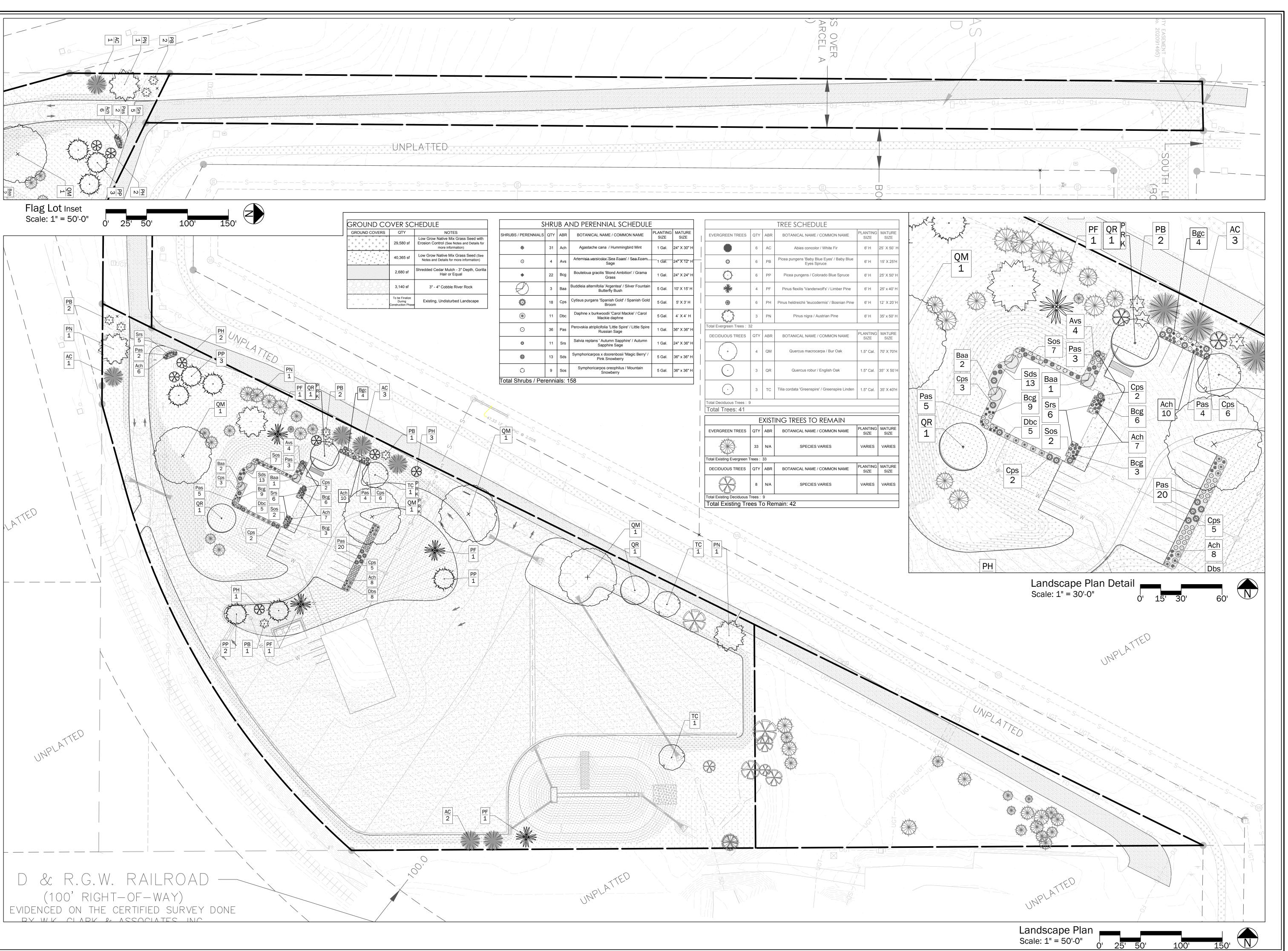
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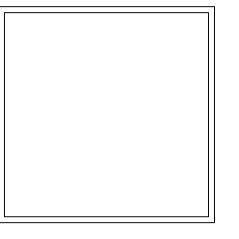
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SHEET NO.:

C-9









# NATIVE SUN CONSTRUCTION PRELIMINARY/FINAL PLANNED UNIT DEVELOPMENT LANDSCAPE CONSTRUCTION PLAN

REVISIONS:

REVISION DATE

#1 12.06.2021

#2 05.25.2022

#3 07.21.2022

SCALE:

NOTED

DATE:

MAY 25, 2022

PROJECT NO.: 21001

SHEET NO.:

C10

LANDSCAPE
PLAN

10 OF: 17

# LANDSCAPE NOTES

## WEED BARRIER, EDGING, AND GROUND PLANE TREATMENT

- 1. AN EVENLY PLACED LAYER OF GRAVEL MULCH, COBBLE MULCH, OR BREEZE SHALL BE PLACED ON ALL AREAS DESIGNATED TO RECEIVE THE SPECIFIED MULCH. MINIMUM DEPTHS SHALL BE ACHIEVED IN ACCORDANCE TO THE SCHEDULE BY THE TYPE OF MULCH. WEED BARRIER FABRIC SHALL BE COMPLETELY COVERED AND PINNED.
- 2. AN EVENLY PLACED LAYER OF ORGANIC MULCH SHALL BE PLACED ON ALL AREAS DESIGNATED TO RECEIVE ORGANIC MULCH. ORGANIC MULCH SHALL BE APPLIED DIRECTLY TO TILLED, SCARIFIED, AMENDED AND UNCOMPACTED SOIL
- 3. THE LANDSCAPE CONTRACTOR SHALL SUPPLY OWNER'S REPRESENTATIVE WITH A SAMPLE OF ALL TYPES OF MULCH FOR APPROVAL PRIOR TO INSTALLATION.
- 4. WEED BARRIER SHALL BE A WOVEN, POROUS MAT AS MANUFACTURED BY AMERICAN EXCELSIOR POLYSPUN XL, DUPONT TYPAR STYLE 3341 OR MIRAFI
- "MIRASCAPE". THE WEED BARRIER SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- POROUS WEED BARRIER FABRIC SHALL BE INSTALLED IN ALL PLANTING BEDS WHERE ORGANIC MULCH IS NOT PRESENT.
- 6. 6" HEIGHT BY 3/16" WIDTH ROLLED-TOP STEEL EDGING SHALL BE USED TO SEPARATE ALL PLANTING BEDS FROM TURFGRASS. ALL EDGING SHALL BE INSTALLED FLUSH WITH GRADE, AVOID BROKEN BACK CURVES AND LONG TANGENTS BETWEEN CURVES. OBTAIN OWNER'S REPRESENTATIVE APPROVAL PRIOR TO
- 7. SEE CIVIL ENGINEERING DRAWINGS AND GEOTECHNICAL ENGINEERING DOCUMENTS FOR INFORMATION REGARDING THE PAVEMENT MATERIALS FOR SIDEWALKS, DRIVEWAYS AND STREETS. SPECIAL PAVING TREATMENTS (COLOR, PAVERS, ETC.) ARE NOTED IN THE GROUND PLANE TREATMENT SCHEDULE ASSOCIATED WITH THE LANDSCAPE PLAN.

## TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES

- 1. CULTIVATE THE SUBSOIL ON ALL PLANTING BEDS, SOD AND SEED AREAS PER THE LANDSCAPE DETAIL PROVIDED.
- 2. THE TILLING OF PLANTING BEDS AND PLACEMENT OF BACKFILL IS TO OCCUR JUST PRIOR TO PLANTING; THEREAFTER, PROTECTION FROM COMPACTION AND CONSTRUCTION TRAFFIC SHALL BE PROVIDED.
- 3. ALL PLANT MATERIALS SHALL HAVE BACKFILL CAREFULLY PLACED AROUND THE BASE AND SIDES OF BALL TO TWO-THIRDS (2/3) DEPTH OF THE BALL, THEN THOROUGHLY SOAK WITH WATER TO ALLOW SETTLEMENT. ALL WIRE, BURLAP FASTENERS AND LOOSE BURLAP AROUND BASE OF TRUNK SHALL BE REMOVED AT THIS TIME, REMAINDER OF THE PIT SHALL THEN BE BACKFILLED. ALLOWING FOR DEPTH OF MULCH, SAUCER AND SETTLEMENT OF BACKFILL, BACKFILL SHALL THEN BE THOROUGHLY WATERED AGAIN.
- 4. ALL PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION, HEALTHY AND DISEASE-FREE, AND BE TYPICAL OF THE SPECIES. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE COLORADO NURSERY ACT OF 1965 - TITLE 35, ARTICLE 25, CRS 1974 (SEE LANDSCAPE NURSERY ACT). OWNER AND OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT AT ANY TIME OR PLACE PRIOR TO FINAL
- ACCEPTANCE OF WORK, ANY AND ALL PLANTS WHICH, IN THEIR OPINION, FAIL TO MEET THESE SPECIFICATION REQUIREMENTS. 5. NO ROW TREE SUBSTITUTIONS MAY BE MADE WITHOUT APPROVAL FROM THE TOWN OF MONUMENT. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT OWNER'S REPRESENTATIVE APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE PLANT MATERIAL AS DEEMED NECESSARY
- 6. ALL PLANT MATERIAL SHALL BE PROTECTED FROM THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG. WHILE BEING TRANSPORTED. AND WHILE AWAITING PLANTING. THE ROOT BALL OF PLANTS THAT CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM THE DRYING ACTION BY COVERING THEM WITH MOIST ORGANIC MULCH. PERIODICALLY, APPLY WATER TO THE MULCH-COVERED BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING THE GROWING SEASON, APPLY ANTI-DESSICANT TO LEAVES BEFORE TRANSPORT TO REDUCE THE LIKELIHOOD OF WINDBURN. REAPPLY ANTI-DESSICANT AFTER PLANTING TO
- 7. WRAP ALL TREE TRUNKS SPIRALLY WITH APPROVED WRAPPING MATERIAL FROM GROUND TO THE FIRST BRANCH. SECURELY TIE WRAPPING AT THE TOP AND
- BOTTOM WITH MASKING TAPE. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING IN THE MANNER SHOWN ON THE PLANTING DETAILS. 8. AFTER PLANTING IS COMPLETED, REPAIR INJURIES TO ALL PLANTS AS REQUIRED. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR
- INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE NATURAL HABIT OR SHAPE OF PLANT. CENTRAL LEADERS SHALL NOT BE REMOVED. 9. ALL SHRUBS AND TREES SHALL BE PLANTED A MINIMUM OF 12" INSIDE OF ALL EDGING AND AWAY FROM WALLS AND OTHER PERMANENT STRUCTURES. 10. ALL PLANT LOCATIONS ARE APPROXIMATE; ADJUST LOCATIONS PRIOR TO INSTALLING PLANT MATERIAL AS NECESSARY TO AVOID CONFLICTS WITH UNFORESEEN
- ELEMENTS MISSING FROM THE LANDSCAPE DRAWING OR ELEMENTS ADDED DURING CONSTRUCTION. 11. QUANTITIES OF MATERIALS SHOWN ON THE PLANTING PLAN TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT SCHEDULE. LANDSCAPE CONTRACTOR
- SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLANTING PLAN. REPORT ANY DISCREPANCIES IN THE PLANTING PLAN IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
- 12. PLANTS ARE TO BE SIZED AS SHOWN PER SPECIES ON THE PLANT SCHEDULE.

- 1. CONTRACTOR IS TO PROVIDE VERIFICATION THAT ALL SEED IS OF THE SPECIES SHOWN ON THIS PLAN AND LISTED BELOW (OR EQUIVALENT). NO SUBSTITUTIONS WILL BE ALLOWED WITH OUT APPROVAL. THE SPECIFIED SEED MIX IS INTENDED TO BE A DROUGHT-RESISTANT SEED MIX THAT WILL NOT REQUIRE IRRIGATION ONCE
- 2. RECOMMENDED GRASS SEED MIX: 15% Sheep Fescue, 15% Perennial Ryegrass, 12% Wheatgrass, Slender, 10% Wheatgrass, Western, 7% Sideoats Grama, 5% Switchgrass, 5% Idaho Fescue, 5% Wheatgrass, Streambank, 5% Arizona Fescue, 5% Sanddrop Seed, 4.5% Wheatgrass, Bluebunch, 4.5% Green Needlegrass, 2.5% Buffalo Grass, 2% Blue
- 3. ON SLOPES ABOVE 4:1. IT IS RECOMMENDED THAT SEED MIX BE INSTALLED IN CONJUNCTION WITH BIODEGRADABLE EROSION CONTROL NETTING OR BLANKETS (STRAW OR COCONUT OR EQUIVALENT) TO MINIMIZE EROSION, PROTECT EXPOSED SOILS, AND PROMOTE GRASS SEED GERMINATION. INSTALL SEED AND EROSION CONTROL BLANKET PER MANUFACTURERS RECOMMENDATION.
- 4. GRASS SEED TO BE PLANTED IN DISTURBED AREAS WITH EXPOSED SOILS DUE TO GRADING AND CONSTRUCTION. GRASS SEED IS NOT REQUIRED, OR RECOMMENDED, IN AREAS NOT DISTURBED DURING THE COURSE OF CONSTRUCTION. IF THERE IS CONFLICT BETWEEN LANDSCAPE PLAN SEEDING RECOMMENDATIONS AND FINAL CONSTRUCTION IMPACTS. ON THE GROUND CONSTRUCTION DISTURBANCE SHALL TAKE PRECEDENCE OVER LANDSCAPE PLAN.

1. IRRIGATION WILL BE PROVIDED TO ALL TREES, SHRUBS AND PERENNIALS VIA DRIP IRRIGATION. IRRIGATION SHALL BE PROVIDED TO ALL AREAS OF TURFGRASS VIA SPRAY/ROTOR IRRIGATION. WHERE TREES ARE LOCATED WITHIN AREAS OF MEDIUM/HIGH WATER-USE TURFGRASS, ASSURE THAT THE TREES ARE PROVIDED ADEQUATE IRRIGATION. WHERE TREES ARE LOCATED WITHIN AREAS OF LOW WATER TURFGRASS, TREES SHALL BE IRRIGATED VIA DRIP IRRIGATION. 2. ALL PLANTS SHALL BE IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM VIA DRIP IRRIGATION AT THE FOLLOWING RATES.

- 1.1. TREES: 3 1 GPH EMITTERS
- 1.2. SHRUBS: 2 1 GPH EMITTERS
- 1.3. PERENNIALS AND ORNAMENTAL GRASSES: 1 1 GPH EMITTER 2. A RAIN SENSOR AND BACKFLOW DEVICE, SHALL BE INCLUDED IN THE IRRIGATION SYSTEM
- 3. LANDSCAPE IMPROVEMENTS SHALL BE MAINTAINED BY OWNER OR MANAGEMENT COMPANY
- 4. AN IRRIGATION PLAN SHALL BE SUBMITTED AT THE TIME OF BUILDING PERMIT APPLICATION AND APPROVED WITHIN THIRTY (30) DAYS SUBSEQUENT TO BUILDING PERMIT ISSUANCE OR PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, WHICHEVER COMES FIRST., OR AS REQUIRED BY THE TOWN OF MONUMENT.
- 5. UPON REQUEST BY THE APPLICANT, AN IRRIGATION PLAN SHALL BE SUBMITTED WITHIN NINETY (90) DAYS SUBSEQUENT TO BUILDING PERMIT ISSUANCE AND APPROVED PRIOR TO THE INSTALLATION OF ANY IRRIGATION COMPONENTS AND PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 6. THE NATIVE SEED AREAS WILL HAVE AN UNDERGROUND IRRIGATION SYSTEM THAT WILL BE TEMPORARY UNTIL FULLY ESTABLISHED. THE SHRUBS AND TREES WITHIN THE NATIVE SEED AREA WILL HAVE A PERMANENT DRIP SYSTEM TO IRRIGATE THE PLANTS.

- 1. INSTALL EROSION CONTROL FABRIC ON SLOPES ON GRADES GRATER THAN 4:1 TO HELP PREVENT EROSION.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING EROSION CONTROL MEASURES AS PER THE TOWN OF MONUMENT SPECIFICATIONS DURING THE DURATION OF WORK
- 3. PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE OWNER'S REPRESENTATIVE FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE
- 4. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND SERVICE NECESSARY TO FURNISH AND INSTALL ALL WORK SPECIFIED AND AS SHOWN ON THESE PLANS. 5. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT OWNER'S REPRESENTATIVE'S APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED
- IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE PLANT LIST AS DEEMED NECESSARY.
- 6. THE SHOWN UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE WORK. LOCATE EXACT UTILITY LOCATIONS BY CONTACTING "CALL BEFORE YOU DIG" AT (800) 922-1987. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED TO UTILITIES.
- 7. AN EVENLY PLACED LAYER OF GRAVEL MULCH, COBBLE MULCH, OR BREEZE SHALL BE PLACED ON ALL AREAS DESIGNATED TO RECEIVE THE SPECIFIED MULCH. MINIMUM DEPTHS SHALL BE ACHIEVED IN ACCORDANCE TO THE SCHEDULE BY THE TYPE OF MULCH. WEED BARRIER FABRIC SHALL BE COMPLETELY COVERED AND PINNED.
- 8. INSTALL HIGH-QUALITY STEEL TROLLOP EDGING BETWEEN ALL PLANTING BEDS AND AREAS OF NATIVE SEED, UNDISTURBED EXISTING VEGETATION, BARE SOIL, OR OTHER
- TRANSITION AREAS. IF CONCRETE FLATWORK, ASPHALT SURFACING, OR CONCRETE CURBING EXISTS, TROLLOP EDGING SHALL NOT BE REQUIRED.
- 9. ALL SHRUBS AND TREES SHALL BE PLANTED A MINIMUM OF 12" INSIDE OF ALL EDGING AND AWAY FROM WALL AND OTHER PERMANENT STRUCTURES. 10. THE FINISH GRADES AS SHOWN ON CIVIL CONSTRUCTION DRAWINGS SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM WALLS AND BUILDINGS.

# SOIL AMENDMENT PER CSU RECOMMENDATION FOLLOWING SOILS TEST:

# 15. FOR TURFGRASS AND SEED:

- 15.1. PH IS HIGH. PH 6 TO 7.2 IS THE PREFERRED PH RANGE FOR GROWTH OF MOST PLANTS, BUT MOST PLANTS TOLERATE THE HIGHER PH WITH LITTLE PROBLEM.
- 15.2. ELECTRICAL CONDUCTIVITY OR SALTS: 0.2NNGIS/CM. E.C. IS LOW. WHEN E.C. LESS THAN 2.0, SALINITY IS NOT A PROBLEM FOR PLANT GROWTH. 15.3. LIME CONTENT IS HIGH. LIME IS 2% - 5% IN THE SOIL. PLANTS CAN STILL GROW QUITE WELL IN SOIL WITH THIS LIME CONTENT
- 15.4. SANDY CLAY LOAM SOIL. THE SOIL MAY DRAIN AT A LOW TO VERY LOW RATE. WATERING SCHEDULES MAY HAVE TO BE INCREASED TO ALLOW FOR BETTER WATER INFILTRATION INTO THE SOIL PROFILE.
- 15.5. ORGANIC MATERIAL (COMPOST) SHALL BE ADDED AT A RATE OF 3 CUBIC YARDS PER 1000 SQ. FT. PRIOR TO SEEDING.
- 15.6. NITRATE (N) IS LOW (2.0PPM). WHEN NITRATE-N IS LESS THAN 10 PPM, ADD N AT THESE RATES: FOR HIGH MAINTENANCE TURF: ADD 1 LB N/1000 SQ.FT IN EACH OF 4 APPLICATIONS: (1) MID-MARCH, (2) MAY-TO-MID-JUNE, (3) MID-AUG TO MID-SEPT., (4) AND EARLY OCT. TO EARLY NOV.FOR LOW MAINTENANCE TURF: REDUCE APPLICATIONS (1) AND (2) TO 1/2 LB N/1000 SQ.FT; APPLICATION (4) IS OPTIONAL. FOR EACH 1 LB OF N NEEDED, APPLY 2 LB UREA, OR 5 LB AMMONIUM SULFATE, OR 3 3/4 LB (27-3-4) LAWN FERTILIZER, OR 8 LB BLOODMEAL, OR 11 LB CORN GLUTEN MEAL, OR 50 LB ALFALFA MEAL/PELLETS, PER 1000 SQ.FT. THE NUMBER OF NITROGEN
- APPLICATIONS CAN BE REDUCED OR DELAYED IF TURF GROWTH IS VIGOROUS IN THE SPRING. 15.7. ZINC (ZN) IS LOW: ADD 2 OZ. OF ZN PER 1000 SQ. FT OR 5LBS ZN/ACRE

# 16. FOR PLANTINGS:

- 16.1. PH IS HIGH. PH 6 TO 7.2 IS THE PREFERRED PH RANGE FOR GROWTH OF MOST PLANTS, BUT MOST PLANTS TOLERATE THIS HIGHER PH WITH LITTLE PROBLEM.
- 16.2. ELECTRICAL CONDUCTIVITY OR SALTS: 0.2NNGIS/CM. E.C. IS LOW. WHEN E.C. LESS THAN 2.0, SALINITY IS NOT A PROBLEM FOR PLANT GROWTH.
- 16.3. LIME CONTENT IS HIGH. LIME IS 2% 5% IN THE SOIL. PLANTS CAN STILL GROW QUITE WELL IN SOIL WITH THIS LIME CONTENT 16.4. SANDY CLAY LOAM SOIL. THE SOIL MAY DRAIN AT A LOW TO VERY LOW RATE. WATERING SCHEDULES MAY HAVE TO BE INCREASED TO ALLOW FOR BETTER WATER
- INFILTRATION INTO THE SOIL PROFILE.
- 16.5. ORGANIC MATTER IS LOW; A GOOD GOAL FOR LANDSCAPE IS TO GRADUALLY INCREASE THE OM CONTENT TO ABOUT 5% OVER A PERIOD OF YEARS. FOR 2-3 YEARS IN THE FALL, APPLY 2-3 INCHES DEPTH OF PLANT-BASED COMPOST, OR 1 INCH DEPTH OF ANIMAL-BASED COMPOST, AND INCORPORATE INTO THE TOP 6-8 INCHES OF THE
- 16.6. NITRATE N IS LOW: APPLY 0.3 LB N/100 SQ FT TO THE SOIL. FOR EACH 0.1 LB OF N NEEDED, APPLY ABOUT 1/4 LB UREA, OR 1/2 LB AMMONIUM SULFATE, OR 3/4 LB BLOODMEAL, OR 1 LB CORN GLUTEN MEAL, OR 5 LB ALFALFA MEAL PELLETS PER 100 SQ.FT. OTHER FERTILIZERS CAN BE USED AS WELL, CHECK WITH YOUR LOCAL GARDEN CENTER OR HOME IMPROVEMENT STORE TO DETERMINE WHAT FERTILIZERS ARE AVAILABLE IN YOUR AREA. WHEN CALCULATING FERTILIZER RATES TAKE THE AMOUNT OF N NEEDED AND DIVIDE BY THE %N IN THE FERTILIZER. FOR EXAMPLE, IF YOUR FERTILIZER CONTAINS 30% N, TAKE 0.30 LBS (N NEEDED) DIVIDED BY 0.30 (N IN THE FERTILIZER) TO GET 1 LB OF THE 30% N FERTILIZER THAT IS NEEDED TO APPLY PER 100 SQ.FT. FOR RATES PER 1000 SQ. FT MULTIPLY THE QUANTITIES BY 10. 16.7. ZINC (ZN) IS LOW: ADD 2 OZ. OF ZN PER 1000 SQ. FT OR 5LBS ZN/ACRE

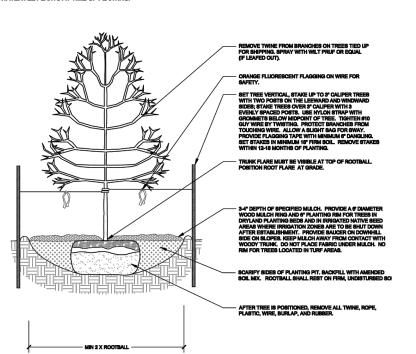
# LANDSCAPE DETAILS

NOTES: 1. MARK THE NORTH SIDE OF TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.

2. AT TIME OF PLANTING, DO NOT REMOVE OR CUIT LEADER AND PRUNE ONLY DEAD OR BROKEN BRANCHES, CROSS OVEI 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.

3. STRUCTURAL PRUNING SHOULD NOT BEGIN UNTIL AFTER ESTABLISHMENT PERIOD, USUALLY TWO GROWING SEASONS

4. KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.



- PLANT TOP OF ROOTBALL AT GRADE.

SCARIFY SIDES OF PLANTING PIT. BACKFILL WITH AMENDED SOIL MIX. ROOTRALL SHALL REST ON FIRM, UNDISTURBED SOIL

REMOVE ALL PACKAGING MATERIAL. FOR POT BOUND PLANTS ONLY: MAKE 4-5 VERTICAL CUTS IN ROOTBALL 1" DEEP. PLANT NAMEDIATELY

SET SHRUBS VERTICAL. SHRUB SPACING AS PER PLA LAYOUT VARIES. FINISHED GRADE OF SHRUB BED TO 2" BELOW ADJACENT FINISH GRADE AT EDGE TO HOLD MILI CH.

SCARIFY SIDES OF PLANTING PIT. BACKFILL WITH AMENDED SOIL MIX. ROOTBALL SHALL REST ON FIRM, UNDISTURBED SOIL.

REMOVE ALL PACKAGING MATERIAL. FOR POT BOUND PLANTS ONLY: MAKE 4-5 VERTICAL CUTS IN ROOTBALL 1" DEEP. PLANT

- PLANT TOP OF ROOTBALL AT GRAD

— EXISTING GRADE.

SHRUB PLANTING ON SLOPE DETAIL

- PROPOSED GRADE.



PERENNIAL PLANTING DETAIL

**NOT TO SCALE** 

**NOT TO SCALE** 

NOTIES:

1. PRUNE ONLY DEAD OR BROKEN BRANCHES AND WEAK OR NARROW

2. KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.

3. DO NOT FERTILIZE FOR AT LEAST ONG GROWING SEASON.

4. AMENDED BACKFILL SHALL BE 1/3 COMPOST (PREFERABLY CLASSIF

5. ALL SHRUBS IN ROCK AREAS TO RECEIVE SHREDDED MULCH RINGS

6. DEEP WATER ALL PLANTS AT TIME OF PLANTING.

. PRUNE ONLY DEAD OR BROKEN BRANCHES AND WEAK OR NARROW CROTCHES.

KEEP PLANTIS MOIST AND SHADED UNTIL PLANTING.

DO NOT FERTILIZE FOR AT LEAST ONE GROWING SEASON.

EVERGREEN TREE PLANTING DETAIL

NOTIES:

1. DO NOT REMOVE OR CUT LEADER.

2. PRUNE ONLY DEAD OR BROWEN BRANCHES IMMEDIATELY PRIOR TO PLANTING.

3. DO NOT REMOVE ANY DOUBLE LEADER, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

4. KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.

5. AMENIED BACKFILL SHALL BE 1/3 COMPOST (PREFERABLY CLASSIFIED) AND 2/3 NATIVE AND/OR IMPORTED TOPS:

6. MARK THE NORTH SIDE OF TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER!

TRUNK FLARE MUST BE VISIBLE AT TOP OF ROOTE/ POSITION ROOT FLARE AT GRADE.

SCARIFY SIDES OF PLANTING PIT. BACKFILL WITH AMENDED SOIL MIX. ROOTBALL SHALL REST ON FIRM, UNDISTURBED SO

AFTER TREE IS POSITIONED, REMOVE ALL TWINE, ROPE, PLASTIC, WIRE, BURLAP, AND RUBBER.

MARK THE NORTH SIDE OF TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE 1. MARK THE NORTH SIDE OF THEE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.

2. 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.

3. KRUCTURAL PRUNING SHOULD NOT BEGIN UNTIL AFTER ESTABLISHMENT PERIOD, USUALLY TWO GROWING SEASONS.

4. KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.

5. DO NOT FERTILIZE FOR AT LEAST ONE GROWING SEASON.

6. AMENDED BACKFILL SHALL BE 1/3 COMPOST (PREFERBLY CLASSIFIED) AND 2/3 NATIVE AND/OR IMPORTED TOPSOIL.

7. WRAP TRUNK ON EXPOSED SITES AND SPECIES WITH THIN BARK. USE ELECTRICAL OR DUCT TAPE, NOT TWINE.

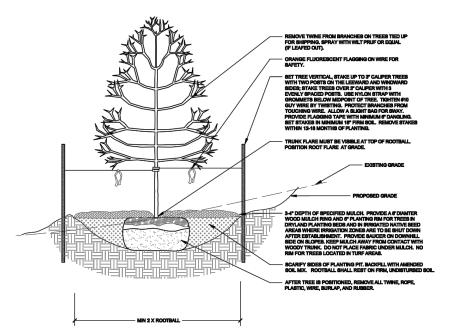
OCCORDER 31 AND PERMOVE MARCH 31 FOR THE PIECE SPEAK PECIO.

TOBER 31 AND REMOVE MARCH 31 FOR THE PIKES PEAK REGION.

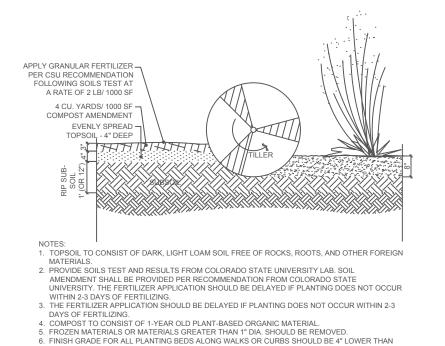
REPORT AND REMOVE MARCH 31 FOR THE PIKES PEAK REGION.

REDINATE WITH CITY FORESTRY FOR CURRENT INSECT AND DISEASE RECOMMENDATIONS PRIOR TO PLANTING.

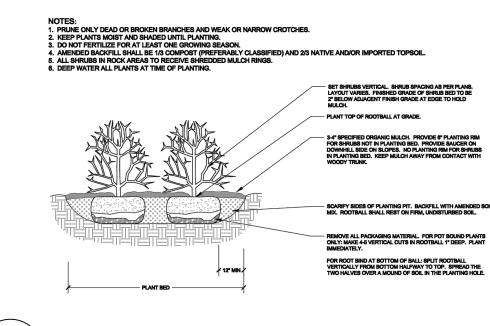
P WATER ALL PLANTS AT TIME OF PLANTING.



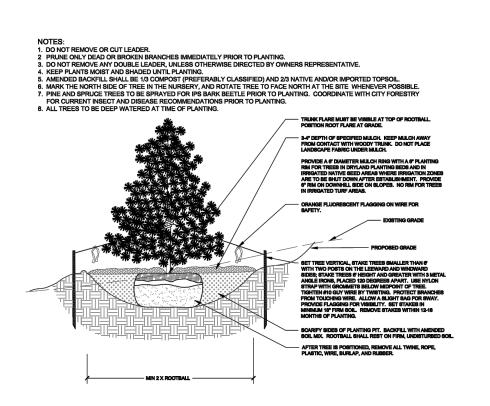




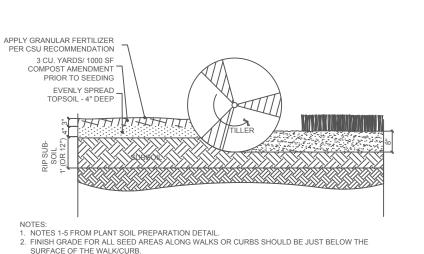
LAWNS WITHIN THE BOUNDARIES OF EXISTING TREE DRIPLINES SHALL NOT BE ROTOTILLED AT ANY TIME. ROTOTILLING IS ONLY PERMITTED IN AREAS OUTSIDE OF EXISTING TREE DRIPLINES WHERE CONCRETE AND HARDSCAPE ARE REMOVED. SOIL PERPETRATION DETAIL **NOT TO SCALE** 



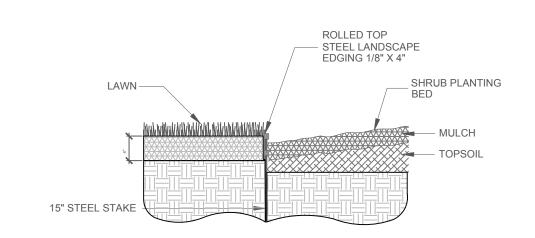
SHRUB PLANTING DETAIL **NOT TO SCALE** 



**EVERGREEN TREE PLANTING ON SLOPE DETAIL** NOT TO SCALE

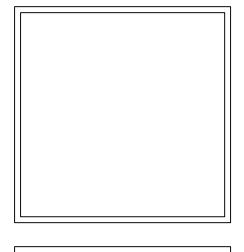


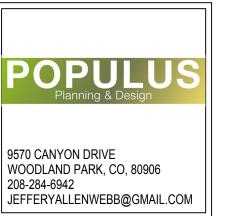
NATIVE GRASS (SEED) PLANTING DETAIL **NOT TO SCALE** 



STEEL EDGER DETAIL **NOT TO SCALE** 





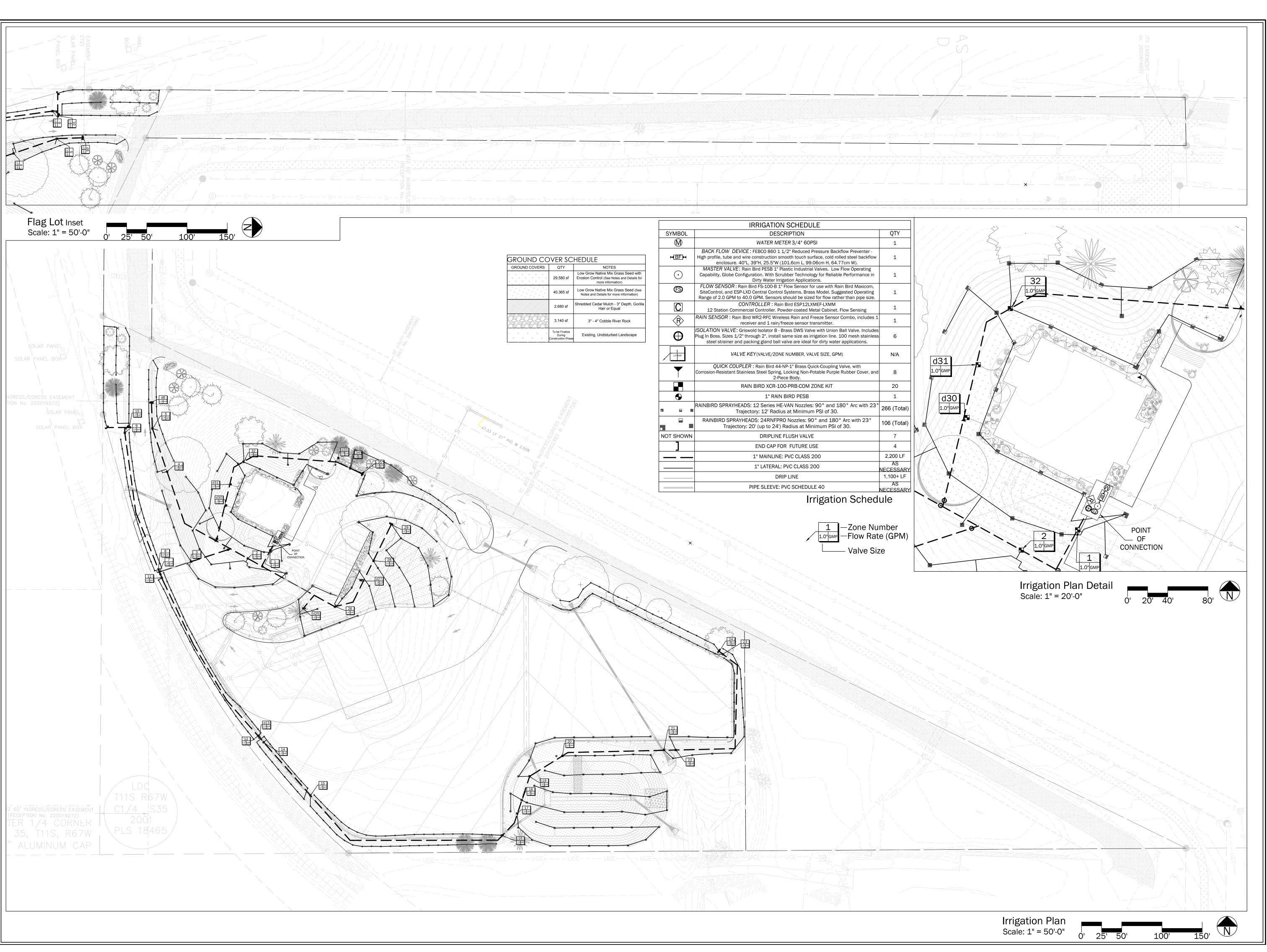


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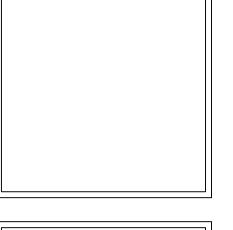
REVISIONS: DATE REVISION 12.06.2021 05.25.2022 07.21.2022

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SCALE: **NOTED** MAY 25, 2022 PROJECT NO .: 21001









9570 CANYON DRIVE WOODLAND PARK, CO, 80906 208-284-6942 JEFFERYALLENWEBB@GMAIL.COM

# NATIVE SUN CONSTRUCTION PRELIMINARY/FINAL PLANNED UNIT DEVELOPMENT LANDSCAPE CONSTRUCTION PLAN

REVISIONS:

REVISION DATE

#1 12.06.2021

#2 05.25.2022

#3 07.21.2022

SCALE:
NOTED
DATE:

MAY 25, 2022

PROJECT NO.: 21001

SHEET NO.:

C12

IRRIGATION
PLAN

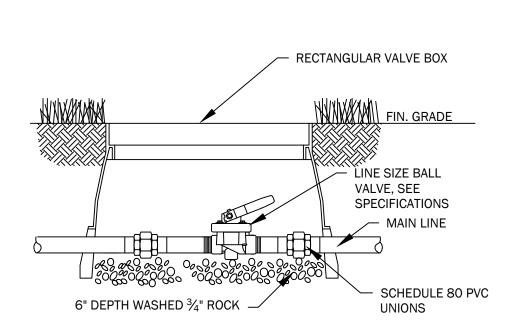
12 OF: 17

# **IRRIGATION NOTES**

- CONTRACTOR SHALL MAKE HIM/HERSELF AWARE OF ALL EXISTING AND PROPOSED SITE CONDITIONS, INCLUDING PLANTING, GRADING, BUILDING CONSTRUCTION, WATER DEVELOPMENT, AND SUPPLY, PRIOR TO COMMENCEMENT OF WORK. NOTE ANY SLEEVES AND IRRIGATION STUBS
- FOR FUTURE WORK. CONTRACTOR SHALL LOCATE AND PROTECT ALL UNDERGROUND UTILITIES, CONDUITS, AND
- STRUCTURES AND SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE INCURRED. THE IRRIGATION CONTRACT INCLUDES SUPPLYING AND INSTALLING ALL MATERIALS AND EQUIPMENT FOR A COMPLETE AUTOMATIC IRRIGATION SYSTEM. ANY ITEMS REQUIRED TO
- CONFORM WITH SUCH INTENT ARE CONSIDERED TO BE INCIDENTAL TO THE WORK. THE IRRIGATION PLAN IS SCHEMATIC. FIELD-VERIFY ALL DIMENSIONS, EXISTING, AND PROPOSED CONDITIONS, QUANTITIES, FLOW RATE, ETC. AS REQUIRED TO PROVIDE ONE COMPLETE AND OPERABLE SYSTEM.
- DO NOT WILLFULLY INSTALL THE SYSTEM WHEN OBVIOUS OBSTRUCTIONS, GRADE CHANGES AND SITE GEOMETRY EXIST. SUCH DIFFERENCES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. IN THE EVENT NOTIFICATION IS NOT MADE, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
- CONTRACTOR SHALL REFER TO LANDSCAPE AND CIVIL PLANS WHEN LAYING OUT HEAD
- PLACEMENT AND TRENCHING. ALL IRRIGATION INSTALLATION SHALL CONFORM TO LOCAL CODES
- SYSTEM DESIGN IS BASED UPON HAVING SUFFICIENT PRESSURE AND VOLUME OF WATER AVAILABLE AT THE FURTHEST HEAD AND DRIP EMITTER. CONTRACTOR SHALL VERIFY THE ACTUAL PSI AND GPM AVAILABILITY AND COMPATIBILITY WITH THE WATER SOURCE PRIOR TO INSTALLATION.
- ALL PVC IRRIGATION PIPE, 2-1/2" SIZE OR SMALLER IS TO BE CLASS 200 I.P.S.; 3" SIZE PIPE TO BE SCHEDULE 40.
- 10. ALL DRIP IRRIGATION PIPE DOWNSTREAM FROM ELECTRIC VALVES IS TO BE 160 PSI 3408 POLYETHYLENE PIPE INSTALLED WITH INERT TYPE FITTINGS AND 'OETIKER' DOUBLE CLAMPS. 11. ALL ELECTRICAL AND IRRIGATION SLEEVES LOCATED UNDER PAVEMENT OR RETAINING WALLS
- SHALL BE IN 4" DIA. SCH. 40 PVC. 12. ALL DRIP LATERALS (1") SHALL BE BURIED TO HAVE A MIN. COVER OF 10" DEPTH. ALL DRIP TUBES
- WITH EMITTERS SHALL BE AT SURFACE OVER THE FABRIC BUT UNDER THE MULCH. 13. LOW VOLTAGE WIRE SHALL BE 14 GAUGE. RUNS OF LOW VOLTAGE WIRE IN EXCESS OF 800'
- SHALL BE 12 GAUGE WIRE. 14. ALL MAINLINE PIPING SHALL BE BURIED TO HAVE A MINIMUM COVER OF 18". ALL LATERAL PIPING SHALL BE BURIED TO HAVE A MINIMUM COVER OF 12". PULLING OF PIPE 2" DIA. OR LESS IS
- ACCEPTABLE. 15. SLOPE MAINLINE TO DRAIN.
- 16. LIMIT THE USE OF FITTINGS AND INSTALL LINE SIZE FITTINGS TO ENSURE MINIMUM FRICTION
- 17. CONNECT ALL SPRAY HEADS TO LATERAL PIPES USING FUNNY PIPE, CONNECT ALL ROTORS TO LATERAL PIPES WITH SWING JOINTS.
- 18. LOCATE SPRINKLER HEADS TO AVOID OBSTRUCTIONS THAT WILL LIMIT RADIUS OF COVERAGE, CAUSE DRY SPOTS, OVER SPRAY ON BUILDINGS, STRUCTURES AND PAVEMENTS OR OTHER WATER DAMAGE.
- 19. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE.
- 20. LOCATE HEADS APPROXIMATELY 2" FROM PROPOSED CURBS, WALKS AND MOWING EDGES.
- 21. ALL VALVES TO BE INSTALLED IN RECTANGULAR VALVE BOXES OF PROPER SIZE, DEPTH AND GRADE. PROVIDE VALVE BOX EXTENSIONS AS REQUIRED.
- 22. ALL WIRING FROM THE IRRIGATION CONTROLLER TO REMOTE CONTROL VALVES SHALL BE UF-14-1 DIRECT BURIAL CABLE. ALL WIRE SPLICES SHALL BE MADE IN VALVE BOXES. PROVIDE SLEEVES UNDER ALL PAVED AREAS.
- 23. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL LOCATION OF THE CONTROLLER, BACKFLOW PREVENTER AND CONNECTION TO WATER SOURCE TO MEET FIELD CONDITIONS. COORDINATE INSTALLATION WITH OWNER'S REPRESENTATIVE AND OTHER TRADES.
- 24. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL BALANCING AND ADJUSTING THE COMPLETE IRRIGATION SYSTEM, INCLUDING SPRAY HEADS, ROTORS AND DRIP LINES.
- 25. CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIRST-YEAR WINTERIZATION AND SPRING START-UP PRIOR TO MAY 1ST, DURING THE ONE-YEAR WARRANTY PERIOD
- 26. IRRIGATION WILL BE PROVIDED TO ALL TREES, SHRUBS AND PERENNIALS VIA DRIP IRRIGATION. IRRIGATION SHALL BE PROVIDED TO ALL AREAS OF TURFGRASS VIA SPRAY/ROTOR IRRIGATION. WHERE TREES ARE LOCATED WITHIN AREAS OF MEDIUM/HIGH WATER-USE TURFGRASS, ASSURE THAT THE TREES ARE PROVIDED ADEQUATE IRRIGATION. WHERE TREES ARE LOCATED WITHIN AREAS OF LOW WATER TURFGRASS, TREES SHALL BE IRRIGATED VIA DRIP IRRIGATION.
- 27. THE NATIVE SEED AREAS WILL HAVE AN UNDERGROUND IRRIGATION SYSTEM THAT WILL BE TEMPORARY UNTIL FULLY ESTABLISHED. THE SHRUBS AND TREES WITHIN THE NATIVE SEED AREA WILL HAVE A PERMANENT DRIP SYSTEM TO IRRIGATE THE PLANTS.
- 28. ALL PLANTS SHALL BE IRRIGATED WITH AN AUTOMATIC IRRIGATION SYSTEM VIA DRIP IRRIGATION AT THE F OLLOWING RATES.
- 1.1. TREES: 3 1 GPH EMITTERS
- 1.2. SHRUBS: 2 1 GPH EMITTERS 1.3. PERENNIALS AND ORNAMENTAL GRASSES: 1 - 1 GPH EMITTER
- 2. A RAIN SENSOR AND BACKFLOW DEVICE, SHALL BE INCLUDED IN THE IRRIGATION SYSTEM

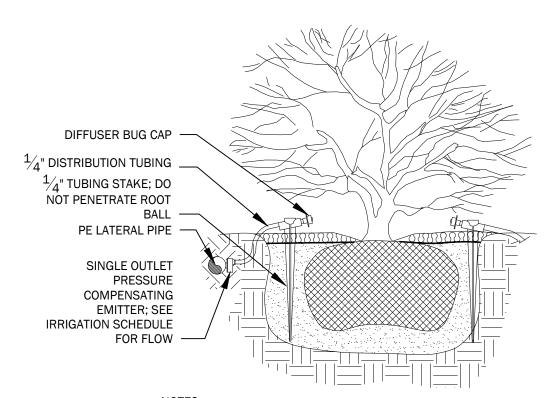
ISSUANCE OF A CERTIFICATE OF OCCUPANCY, WHICHEVER COMES FIRST.

- 3. LANDSCAPE IMPROVEMENTS SHALL BE MAINTAINED BY OWNER OR MANAGEMENT COMPANY 30 AN IRRIGATION PLAN SHALL BE SUBMITTED AT THE TIME OF BUILDING PERMIT APPLICATION AND APPROVED WITHIN THIRTY (30) DAYS SUBSEQUENT TO BUILDING PERMIT ISSUANCE OR PRIOR TO
- 31. UPON REQUEST BY THE APPLICANT, AN IRRIGATION PLAN SHALL BE SUBMITTED WITHIN NINETY (90) DAYS SUBSEQUENT TO BUILDING PERMIT ISSUANCE AND APPROVED PRIOR TO THE INSTALLATION OF ANY IRRIGATION COMPONENTS AND PRIOR TO ISSUANCE OF A CERTIFICATE OF
- OCCUPANCY. 32. THE SHRUBS AND TREES WITHIN THE NATIVE SEED AREA WILL HAVE A PERMANENT DRIP SYSTEM TO IRRIGATE THE PLANTS.
- 33. FINAL INSPECTION: THE IRRIGATION CONTRACTOR SHALL DEMONSTRATE THE ENTIRE SYSTEM TO THE OWNER'S REPRESENTATIVE. PROVING THAT ALL REMOVE CONTROL VALVES ARE PROPERLY BALANCED, THAT ALL HEADS AND EMITTERS ARE PROPERTY ADJUSTED FOR RADIUS, ARC OF COVERAGE AND EMITTER LOCATION AS IT RELATES TO INDIVIDUAL PLANTS.
- PRIOR TO FINAL PAYMENT THE CONTRACTOR SHALL PROVIDE TO THE OWNER'S REPRESENTATIVE AN AS-BUILT PLAN AND OWNER'S MANUALS. DURING THE COURSE OF THE INSTALLATION, THE CONTRACTOR MUST RECORD ALL CHANGES MADE TO THE IRRIGATION
- SYSTEM. THE CHANGES MUST BE MADE IN RED ON THE ORIGINAL PLAN. 35. THE CONTRACTOR WILL WARRANTY THE IRRIGATION SYSTEM FOR A PERIOD OF ONE-YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ANY SETTLEMENT THAT OCCURS DURING THIS TIME
- WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. 36. ALL PLACES WHERE A SLEEVE IS PROVIDED, AN ADDITIONAL 2" SLEEVE SHALL BE PROVIDED FOR
- 37. LOCKABLE CAGE SHALL BE PROVIDED FOR THE BACKFLOW PREVENTER
- 38. FLOW RATES PROVIDED ARE ESTIMATES AND SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION.



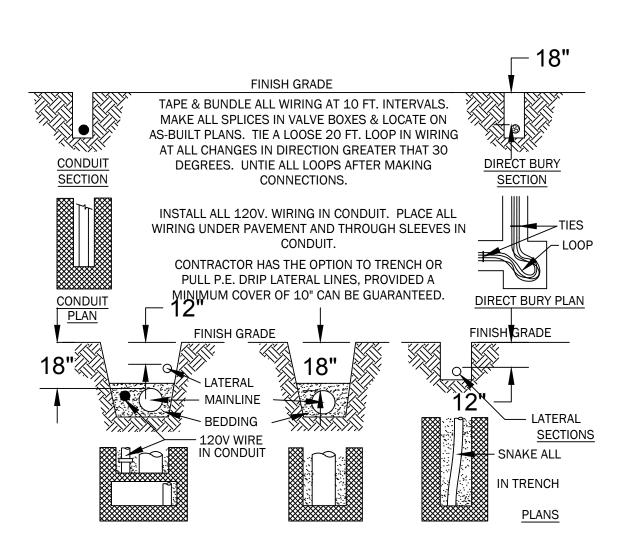


ZONE NUMBER	IRRIGATION TYPE	FLOW GPM	RUN TIME MINUTES	PRECIPTATION RATE IN/HR (per emitter)	NOTES -
1	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
2	SPRAY IRRIGATION	5.9	20	1.58	SEED  ESTABLISHMENT
3	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
4	DRIP EMITTERS	0.7	30	.50	PLANTING BED
5	SPRAY IRRIGATION	3.1	20	1.58	SEED ESTABLISHMENT
d6	DRIP EMITTERS	5.9	30	.50	PLANTING BED
7	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
8	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
9	SPRAY IRRIGATION	5.9	20	.61	SEED ESTABLISHMENT
10	SPRAY IRRIGATION	5.9	20	.61	SEED ESTABLISHMENT
11	SPRAY IRRIGATION	5.9	20	.61	SEED ESTABLISHMENT
12	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
d13	DRIP EMITTERS	5.9	30	.50	PLANTING BED
14	SPRAY IRRIGATION	5.9	20	1.58	SEED [ ESTABLISHMENT]
15	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
16	SPRAY IRRIGATION	5.9	20	1.58	SEED . ESTABLISHMENT
17	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
18	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
19	SPRAY IRRIGATION	5.9	20	1.58	SEED - ESTABLISHMENT
20	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
21	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT
22	SPRAY IRRIGATION	5.9	20	1.58	SEED ESTABLISHMENT



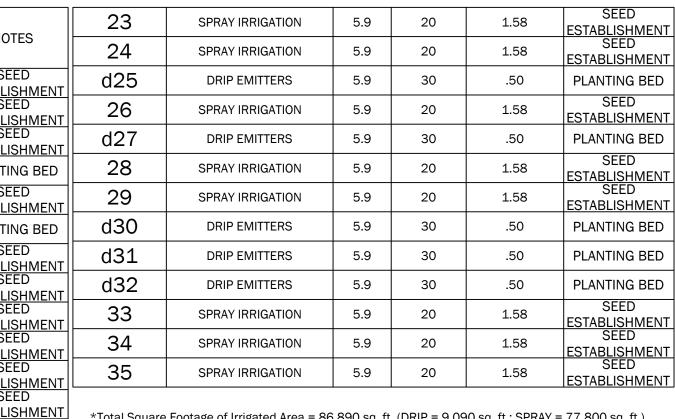
1. PLACE EMITTER(S)AT THE BASE OF THE ROOTBALL. SEE SCHEDULE FOR THE TOTAL NUMBER OF EMITTERS AND FLOW PER PLANT. 2. SPACE MULTIPLE EMITTERS EVENLY AROUND THE ROOTBALL





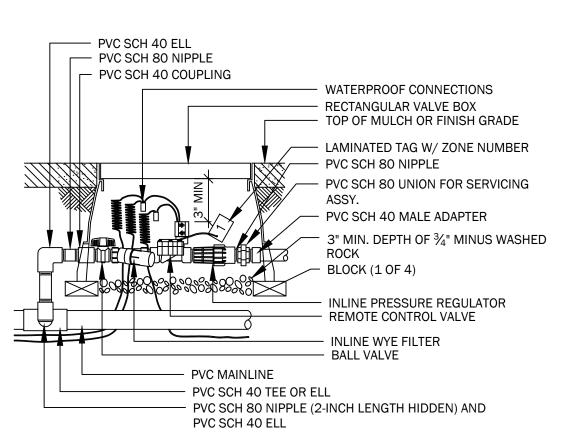


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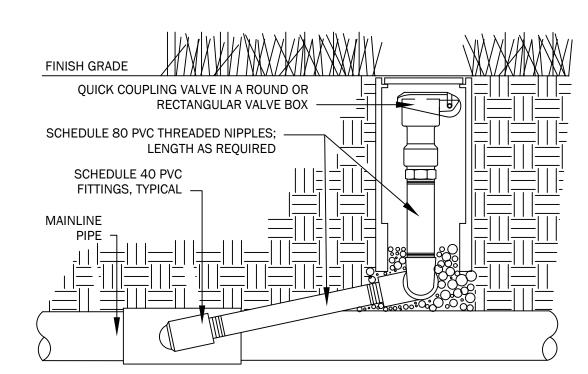


\*Total Square Footage of Irrigated Area = 86,890 sq. ft. (DRIP = 9,090 sq. ft.: SPRAY = 77,800 sq. ft.)

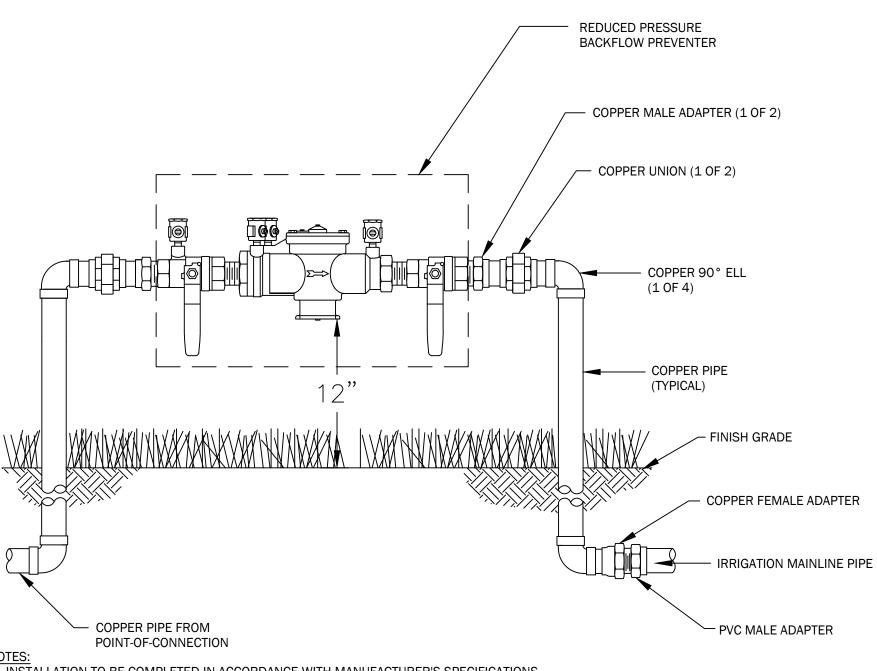
	IRRIGATION SCHEDULE		
SYMBOL	MBOL DESCRIPTION		
M	WATER METER 3/4" 60PSI		
₩BF₩	BACK FLOW DEVICE: FEBCO 860 1 1/2" Reduced Pressure Backflow Preventer - High profile, tube and wire construction smooth touch surface, cold rolled steel backflow enclosure. 40"L, 39"H, 25.5"W (101.6cm L, 99.06cm H, 64.77cm W).	1	
$\odot$	Dirty Water Irrigation Applications.		
FS	FLOW SENSOR: Rain Bird FS-100-B 1" Flow Sensor for use with Rain Bird Maxicom, SiteControl, and ESP-LXD Central Control Systems. Brass Model. Suggested Operating Range of 2.0 GPM to 40.0 GPM. Sensors should be sized for flow rather than pipe size.		
C	CONTROLLER: Rain Bird ESP12LXMEF-LXMM 12 Station Commercial Controller. Powder-coated Metal Cabinet. Flow Sensing	1	
R	RAIN SENSOR: Rain Bird WR2-RFC Wireless Rain and Freeze Sensor Combo, includes 1 receiver and 1 rain/freeze sensor transmitter.	1	
Ф	ISOLATION VALVE: Griswold Isolator B - Brass DWS Valve with Union Ball Valve. Includes Plug In Boss. Sizes 1/2" through 2", install same size as irrigation line. 100 mesh stainless steel strainer and packing gland ball valve are ideal for dirty water applications.		
1 1.0° GMP	VALVE KEY(VALVE/ZONE NUMBER, VALVE SIZE, GPM)	N/A	
_	QUICK COUPLER: Rain Bird 44-NP-1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Non-Potable Purple Rubber Cover, and 2-Piece Body.	8	
	RAIN BIRD XCR-100-PRB-COM ZONE KIT	20	
•	1" RAIN BIRD PESB	1	
	RAINBIRD SPRAYHEADS: 12 Series HE-VAN Nozzles: 90° and 180° Arc with 23° Trajectory: 12' Radius at Minimum PSI of 30.	266 (Total)	
	RAINBIRD SPRAYHEADS: 24RNFPRO Nozzles: 90° and 180° Arc with 23° Trajectory: 20' (up to 24') Radius at Minimum PSI of 30.	106 (Total)	
NOT SHOWN	DRIPLINE FLUSH VALVE	7	
	END CAP FOR FUTURE USE	4	
	1" MAINLINE: PVC CLASS 200	2,200 LF	
	1" LATERAL: PVC CLASS 200	AS NECESSARY	
	DRIP LINE	1,100+ LF	
	PIPE SLEEVE: PVC SCHEDULE 40	AS NECESSARY	







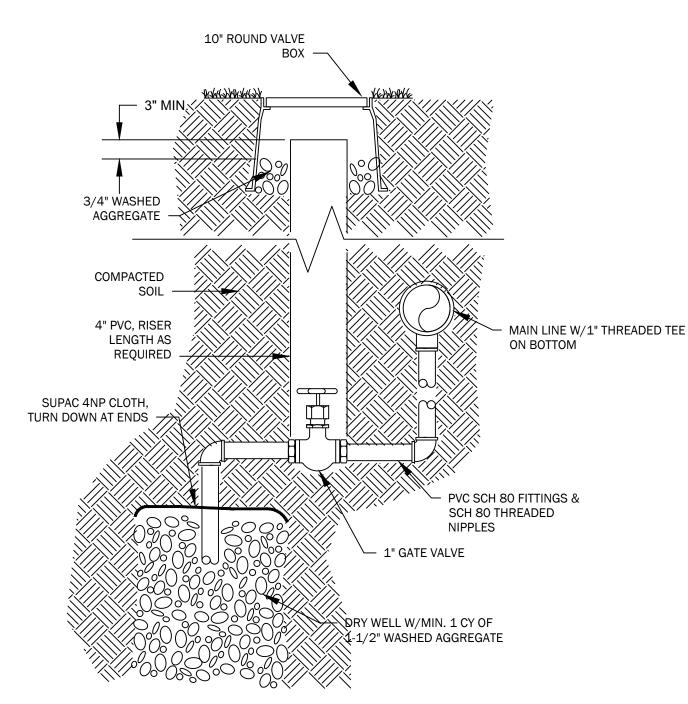




1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

- 2. DO NOT SCALE DRAWINGS. 3. INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL
- REQUIREMENTS PRIOR TO INSTALLATION. 4. REFERENCE NUMBER 045-055
- 5. INSTALL HIGH PROFILE, TUBE AND WIRE CONSTRUCTION SMOOTH TOUCH SURFACE, COLD ROLLED STEEL BACKFLOW ENCLOSURE. 40"L,
- 39"H, 25.5"W (101.6CM L, 99.06CM H, 64.77CM W). 6. PROVIDE A COLD ROLLED STEEL ENCLOSURE (40"L, 39"H, 25.5"W) THAT IS LOCKABLE FOR THE BACKFLOW PREVENTER.





NOT TO SCALE

MAIN LINE DRAIN

REVISIONS: DATE REVISION 12.06.2021 05.25.2022 07.21.2022

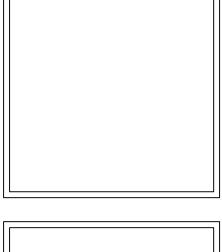
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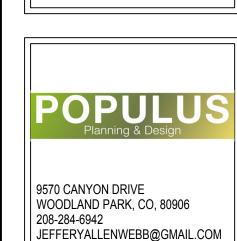
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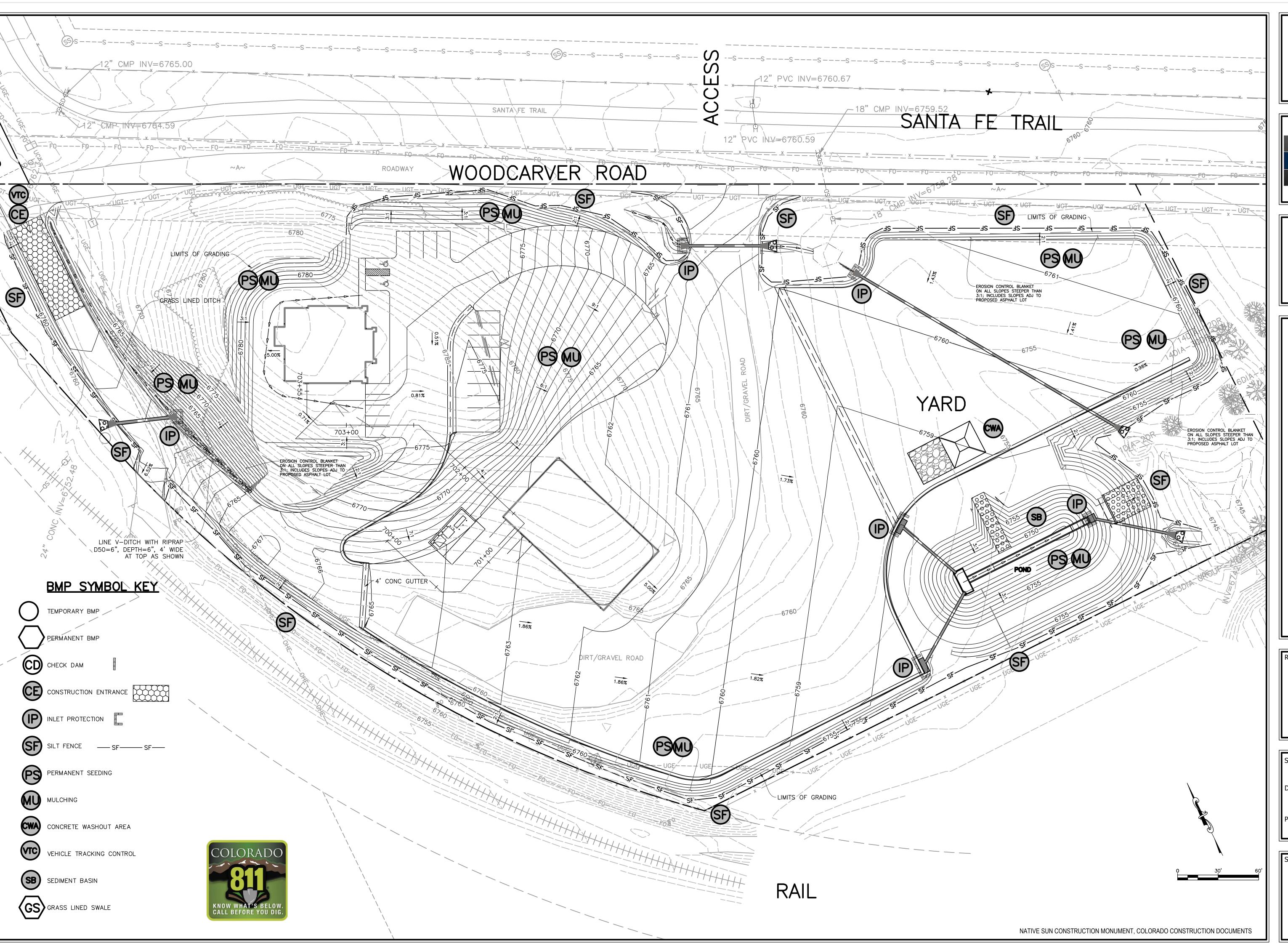
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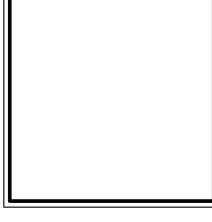


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ATIVE SUN CONSTRUCTION PLANS
GRADING AND EROSION CONTROL

REVISIONS:

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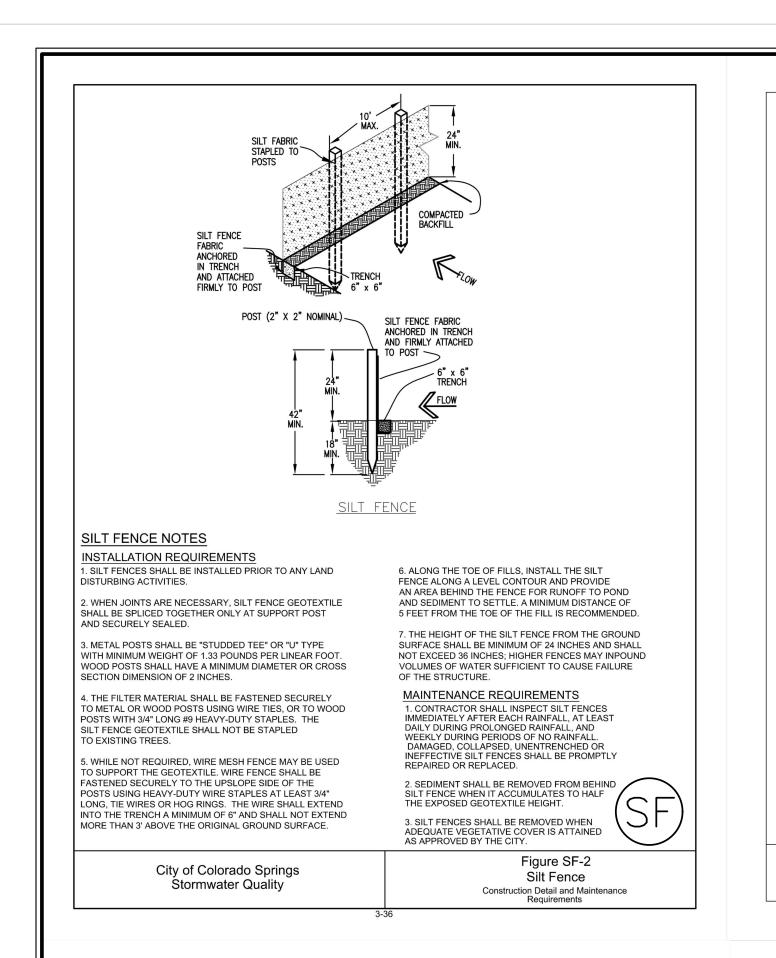
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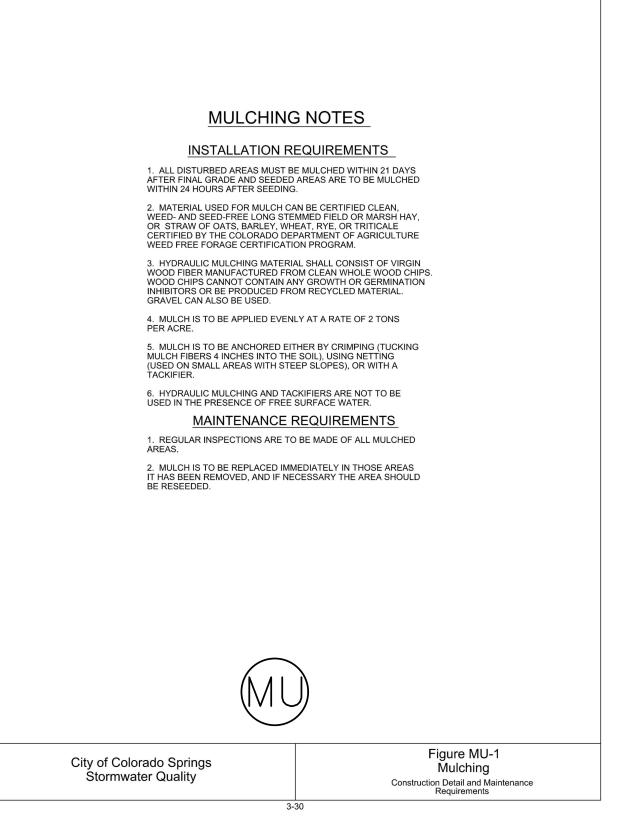
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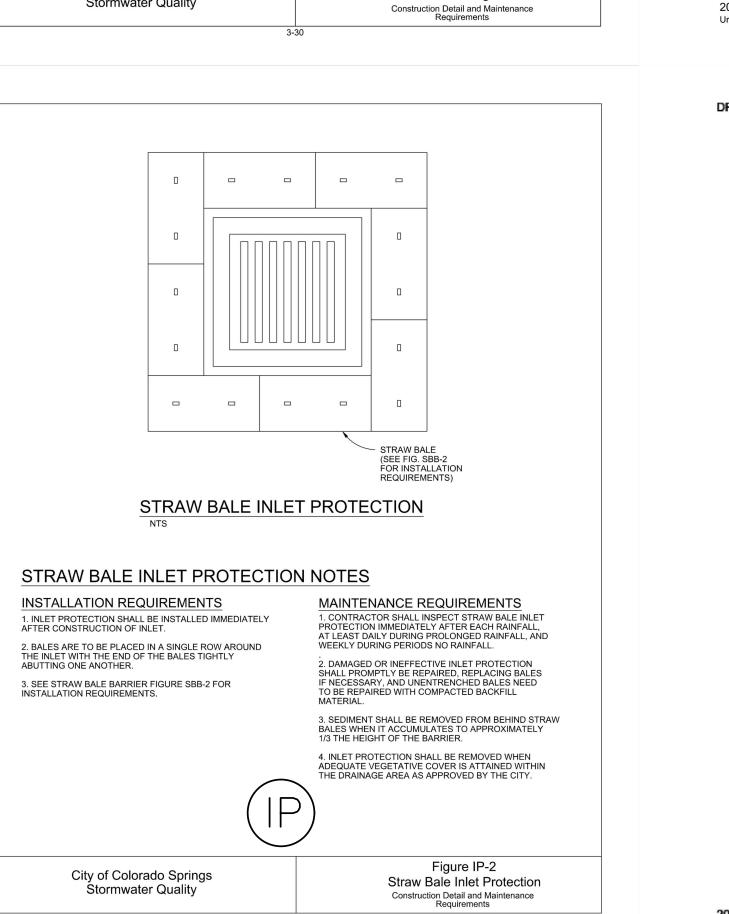
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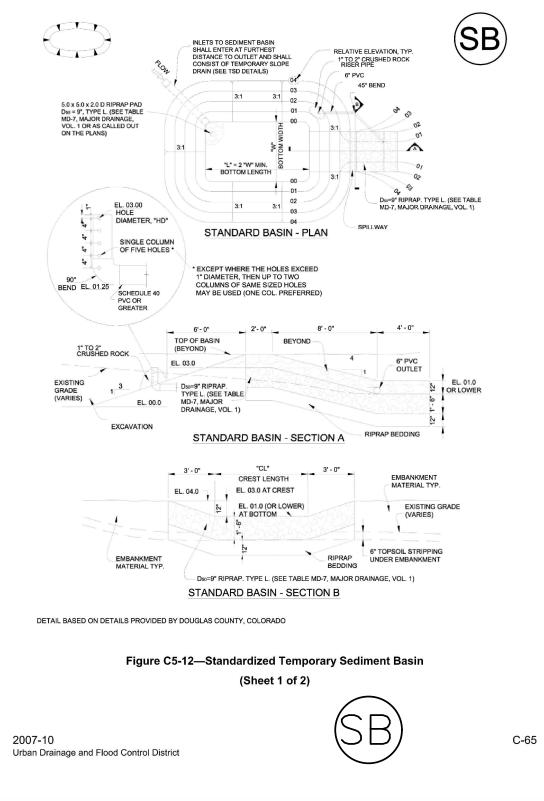
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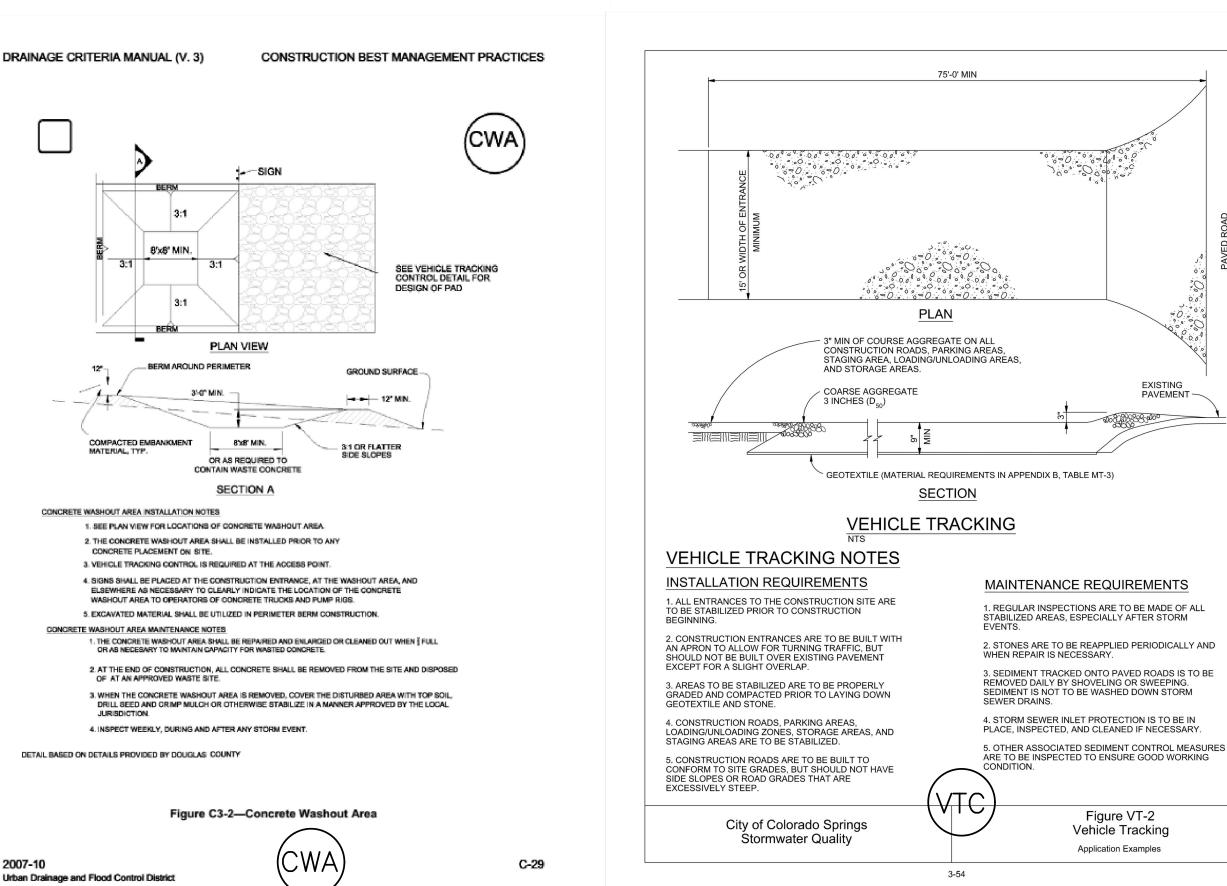






CONSTRUCTION BEST MANAGEMENT PRACTICES

DRAINAGE CRITERIA MANUAL (V. 3)



DRAINAGE CRITERIA MANUAL (V. 3)

nearest acre), (ac

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW AND SECTIONS FOR:

6, PIPE SCH 40 OR GREATER SHALL BE USED.

SEDIMENT BASIN MAINTENANCE NOTES

MAKE REPAIRS OR CLEAN OUT AS NECESSARY.

DETAIL BASED ON DETAILS PROVIDED BY DOUGLAS COUNTY, COLORADO

SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Length (CL), (ft

Minimum Bottom Width and diameter of outlet plate holes based

on 2,700 cu. ft. / acre of tributary area and 72 hour drain time.

Width (W), (ft)

SEE PLAN YIEW AND SECTIONS FUN.
- LOCATION OF SEDIMENT BASIN.
- TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
- FOR STANDARD BASIN, BOTTOM WIDTH, "W", CREST LENGTH, "CL", AND HOLE DIAMETER, "HD".

2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED

1. THE SWMP MANAGER SHALL INPSECT SEDIMENT BASIN WEEKLY, DURING AND AFTER ANY STORM EVENT AND

SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.

WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED WHEN SEDIMENT DEPTH IS ONE FOOT (I.E., 2-FEET BELOW THE SPILLWAY CREST).

FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT, "H", NUMBER OF COLUMNS, "H", HOLE DIAMETER, "HD", AND PIPE DIAMETER "D".

EMBANK/JENT MATERIAL, SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3
INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.

7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) IDENTIFIED ON THE SWMP PLAN VIEW DRAWINGS USED FOR DRAWAGE AREAS LESS THAN 13 AGRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, QUILLET, AND QUILLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAWAGE AREAS LARGEST THAN ASSESSED.

Figure C5-12—Standardized Temporary Sediment Basin

(Sheet 2 of 2)

2007-10

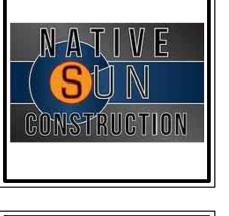
Urban Drainage and Flood Control District

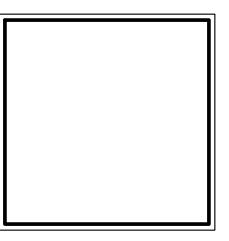
5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 96 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D 696.

3. SEDIMENT BASINS INDICATED ON INITIAL SWMP PLAN SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY

CONSTRUCTION BEST MANAGEMENT PRACTICES







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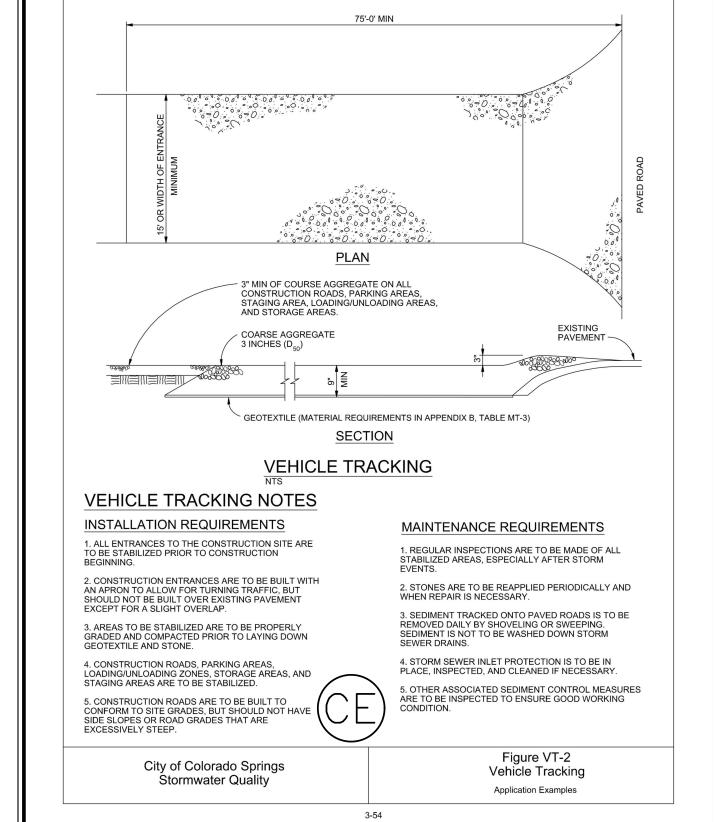
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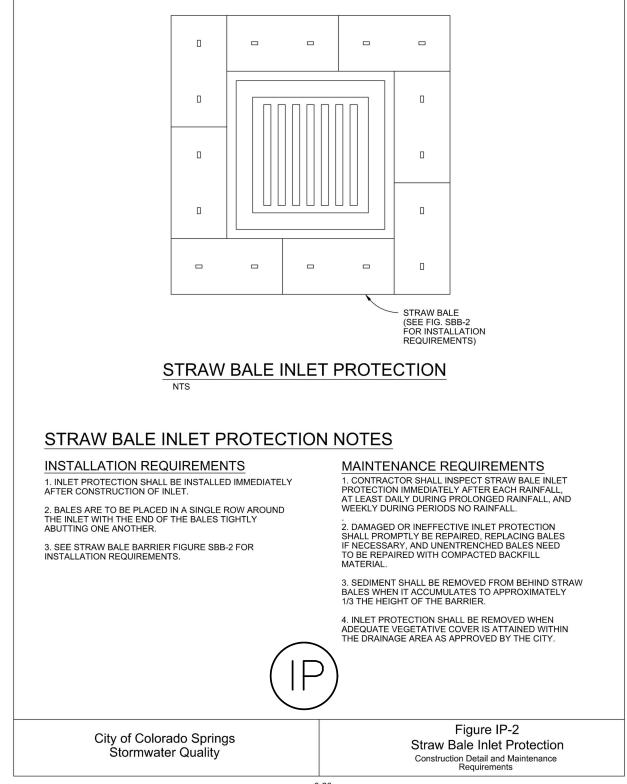
**MARCH 2021** 

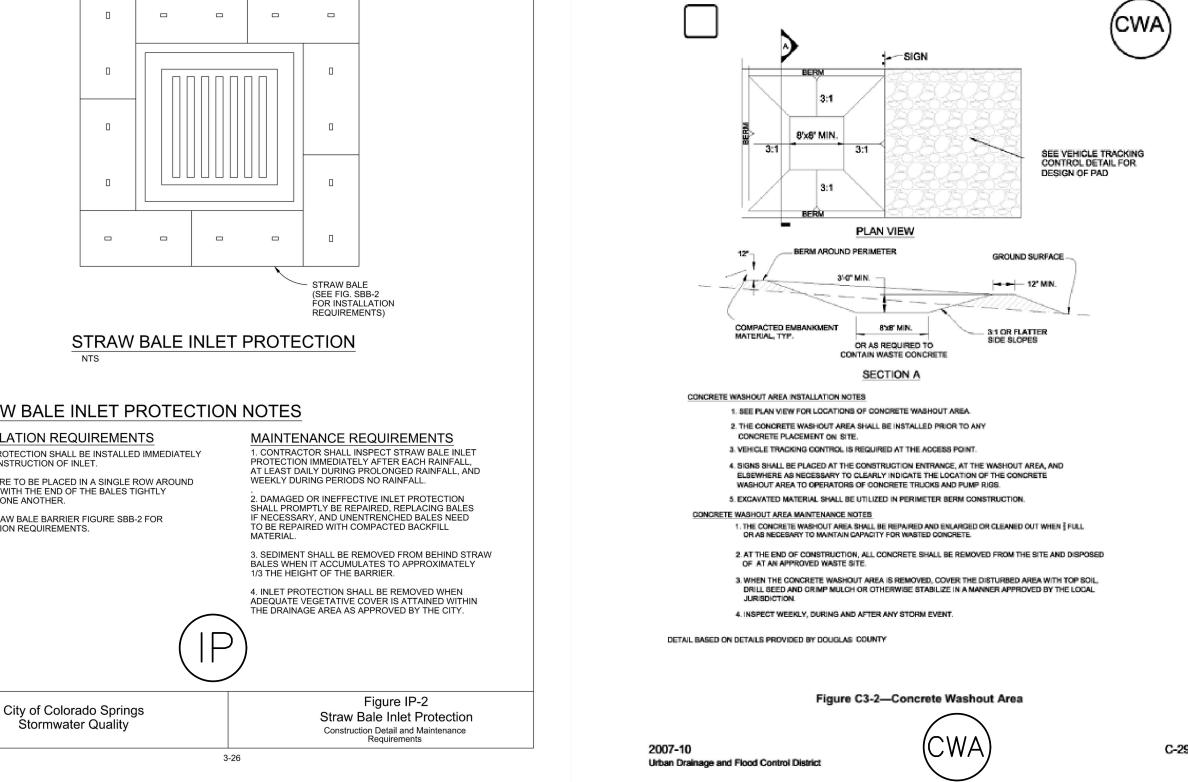
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24. PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.





TANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PLANNING AND COMMUNITY DEVELOPMENT AND A PRECONSTRUCTION CONFERENCE IS HELD WITH PLANNING AND COMMUNITY DEVELOPMENT INSPECTIONS.

STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE OR THREATEN TO CAUSE OR ONTAMINATION, OR DEGRADATION OF STATE WATERS, INCLUDING WETLANDS.

NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE CRITERIA MANUAL, AND THE DRAIN A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD. ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPS AS INDICATED ON THE GEC. A PRECONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY PCD INSPECTIONS STAFF.

SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 30 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BROKE THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 CALENDAR DAYS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES AND BROKE THAN 30 DAYS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED. TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE DCM VOLUME II AND THE ENGINEERING CRITERIA MANUAL (ECM) APPENDIX I.

ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPS IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) VOLUME II AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP). APPENDIX E CHECKLISTS AND PERMITS ADOPTED: 12/23/2004 REVISED: 12/13/2016 REVISED: 12/13/2016 REVISION 6. ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPS AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF THE EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM VOLUME II AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.

D. ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE 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. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.

2. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. 3. EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.

4. BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER 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. BMP'S MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES. 5. VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY 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.

7. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT 18. 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 MANUFACTURER'S LABELS. APPENDIX E CHECKLISTS AND PERMITS ADOPTED: 12/23/2004 REVISED: 12/13/2016 REVISION 6. 19. NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE REQUIRED.

20. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. 21.NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE

12. INDIVIDUALS 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 AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFIGURE AS, CRS), AND THE EVENT OF CONFIGURE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.).

23. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.

25. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND

26. THE OWNER HAS HAD A PAVEMENT EVALUATION REPORT PREPARED BY PARTNER ASSESSMENT CORPORATION/AMERICAN GEOSERVICES LLC DATED 11-17-16 AND PERTINENT RECCOMENDATION WAS DERIVED FROM THE NATURAL RESOURCES CONSERVATION SERVICE 27. AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER MANAGEMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION. THE APPLICATION OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE TO THE COLORADO DEPARTMENT OF CONTROL DIVISION WORD — PERMITS 4300 CHARGE T NATIVE SUN CONSTRUCTION MONUMENT, COLORADO CONSTRUCTION DOCUMENTS

SHEET NOTES:	COORDINATE GEOMETRY ALIGNMENT EDGE OF YARD	
1. PARKING LOT AND ACCESSES WILL NOT BE PAVED AT THIS POINT. PAINT SYMBOLS AND PARKING LINES ARE SHOWN FOR ILLUSTRATIVE PURPOSES.	NUMBER         START STATION STATION         END STATION STATION         LENGTH DIRECTION         PI STATION PI STATION         RADIUS DELTA         PI INCLUDED ANGLE         MID ORDINATE START START NORTHING NORTHING NORTHING NORTHING STATION         END NORTHING STATION           C30000         300+00.00         302+34.06         234.055         S39° 27' 10.37"E         301+17.68         906.12'         14.80°         165.20°         7.55'         15151.73         10210.70	
COORDINATE GEOMETRY ALIGNMENT ACS 1	C30001 302+34.06 302+72.00 37.945 S68* 35' 37.30"E 302+53.99 50.00' 43.48* 136.52* 3.56' 15300.05 10030.47  L30000 302+72.00 304+33.81 161.809 N89* 39' 55.40"E 15334.53 10016.95 10017.90 15496.34	
NUMBER START END LENGTH LINE/CHORD DIRECTION PI STATION RADIUS DELTA PI INCLUDED MID START START END END ANGLE ORDINATE EASTING NORTHING NORTHING EASTING	C30002 304+33.81 304+46.38 12.566 N44* 39' 55.40"E 304+41.81 8.00' 90.00' 90.00' 2.34' 15496.34 10017.90 L3001 304+46.38 304+88.38 42.000 N0' 20' 04.60"W 15504.29 10025.95 10067.94 15504.05 C30003 304+88.38 305+98.33 109.956 N44* 39' 55.40"E 305+58.38 70.00' 90.00' 90.00' 20.50' 15504.05 10067.94	
L1000       10+00.00       10+93.68       93.683       S0° 25' 10.00"W       15049.74       10647.95       10554.27       15049.06         C1000       10+93.68       12+12.44       118.760       S8° 05' 09.96"E       11+53.50       400.00'       17.01°       162.99°       4.40'       15049.06       10554.27       10554.27	L30007 305+98.33 308+05.18 206.851 N89° 39′ 55.40″E	
C1002 13+99.13 15+42.69 143.553 S69* 43' 12.09"E 14+86.45 100.00' 82.25' 97.75' 24.67' 15137.30 10265.07	C30005 309+03.65 309+12.51 8.861 N32* 04' 02.85*W 309+08.59 8.00' 63.47* 116.53* 1.20' 15787.94 10233.50 L30003 309+12.51 310+98.43 185.923 N63* 48' 01.10*W 15783.47 10240.63 10322.72 15616.65	
C1003     17+42.33     17+94.81     52.480     N47' 40' 38.77"E     17+69.87     70.00'     42.96'     137.04'     4.86'     15447.26     10290.52     10290.52       L1002     17+94.81     18+92.31     97.504     N26' 11' 58.90"E     15485.16     10325.03     10412.52     15528.21	C30006 310+98.43 311+11.00 12.566 S71* 11' 58.90"W 311+06.43 8.00' 90.00' 90.00' 2.34' 15616.65 10322.72	
COORDINATE GEOMETRY ALIGNMENT ACS 2  NUMBER START END LENGTH LINE/CHORD DIRECTION PI STATION RADIUS DELTA PI INCLUDED MID START START END END ANGLE ORDINATE EASTING NORTHING NORTHING EASTING	L30005 311+52.74 311+98.74 46.000 N63* 48* 01.10*W 15571.38 10305.46 10325.77 15530.10  C30008 311+98.74 312+22.30 23.562 N18* 48* 01.10*W 312+13.74 15.00' 90.00* 90.00* 4.39' 15530.10 10325.77  L30006 312+22.30 312+45.75 23.445 N26* 11' 58.90*E 15533.62	
NOMBER   STATION   STATI	C30009 312+45.75 312+93.41 47.667 N71° 43′ 05.03″E 312+76.29 30.00′ 91.04° 88.96° 8.98′ 15533.62 10366.89	
L2001     21+41.69     22+10.90     69.206     N26* 11' 58.90"E     15247.51     10338.10     10400.19     15278.06       C2001     22+10.90     22+50.17     39.270     N48* 41' 59.45"E     22+31.61     50.00'     45.00'     135.00'     3.81'     15278.06     10400.19     15278.06       L2002     22+50.17     22+66.02     15.856     N71* 12' 00.00"E     15306.81     10425.45     10430.56     15321.82	COORDINATE GEOMETRY ALIGNMENT RR ACCESS  NUMBER START END LENGTH LINE/CHORD DIRECTION PI STATION RADIUS DELTA PI INCLUDED ORDINATE EASTING NORTHING NORTHING EASTING	
C2002     22+66.02     24+23.10     157.080     S63* 48' 00.00"E     23+66.02     100.00'     90.00'     90.00'     29.29'     15321.82     10430.56     15448.72       L2003     24+23.10     24+26.53     3.428     S18* 48' 00.00"E     15448.72     10368.12     10364.88     15449.82	NUMBER         START         END STATION         LENGTH         LINE/CHORD DIRECTION         PL STATION         RADIUS         DELTA         PL INCLUDED ANGLE         MID         START         START         END         END           L501         5+00.00         5+21.46         21.462         N32* 39' 00.54"E         N32* 39' 00.54"E         15034.48         10381.93         10400.00         15046.06           L502         5+21.46         5+33.51         12.049         N32* 39' 00.54"E         15046.06         10400.00         10410.14         15052.56	
C2003     24+26.53     24+65.80     39.270     S41* 18' 00.55"E     24+47.24     50.00'     45.00°     135.00°     3.81'     15449.82     10364.88       L2004     24+65.80     24+79.74     13.942     S63* 48' 01.10"E     563* 48' 01.10"E     15475.08     10336.13     10329.97     15487.59	C500     5+33.51     5+47.35     13.843     N52* 28' 45.67"E     5+40.72     20.00'     39.66*     140.34*     1.19'     15052.56     10410.14     L500       L500     5+47.35     5+55.14     7.788     N72* 18' 30.81"E     N72* 18' 30.81"E     15063.32     10418.41     10420.77     15070.74	
WOODCARVER F		
L=28.31', R=15.00'	23+36.78, 0.00'  18+87.14, 69.77' L  L=61.70', R=40.00'  18+83.75, 55.54	N63' 48'W, 1433.08'
10+29.80, 31.67' L 22+58.30, 64.20' L	N63° 48'W, 40.00'  22+81.03, 37.46' L  N26° 12'E, 18.24'  L=158.56', R=115.00' 24+13.25, 15.00' L	EDGE OF YARD
N26° 12'E, 17.00' L=4.71', R=3.00' N63° 48'W, 25.00'		PC: 310+98.43
22+39.56, 72.60' L N26' 12'E, 35.50'	T: 311+11.00, 0.00'—  PT: 312+22.30 PC: 311+13.4	L=12.57', R=8.00' L=8.86', R=8.00' PC: 309+12.51 L=8.86', R=8.00' PC: 309+03.65
22+20.12, 110.73' L	71', R=3.00' ACS 2	L=39.27', R=25.00'
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PT: 24+23.10 PC: 24+26.53 PC: 24+26.53	311+52.74, 0.00' 311+52.74 'W, 46.00'
	22+73.11, 31.80' R 24+41.94, 22.27' R PT: 24+65.80 L2004 PT: 17+94.81  4' CONC G	UTTER
OFFICE PC: 22+10.9		YARD 308+05.18, 5.50' L c30004
ACS 1		
11+91.47, 14.70' L 61.50'	PC: 17+42.33 Soo* 10'E, 199.28'	308+00
21+86.09, 108.00° L 21+84.27, 30.00° L N26° 12'E, 40.00° ACS	S88* 21'E, 25.55'  21+48.27, 51.88' R  21+48.27, 51.88' R	PC: 308+05.18— PT: 308+17.75—
PCC: 12+12.44 S63' 48'E, 25.50' 12+12.24, 14.74' R 20+95.36, 42.95' L	S63' 48'E, 32.34'	C&G TY2 SEC IIB  N89° 40'E, 206.85'  N89° 40'E, 206.85'
L=8.34', R=10.00' L500  21+32.42, 17.30' L L=22.26', R=35.00'	L=7.28', R=5.00' PT: 21+41.69	305+98.33, 5.50' L EDGE OF YARD
S32° 39'W, 15.35'  RR ACCESS  L=11.19', R=5.00'  Respectively. S32° 39'W, 15.35'  S86° 12'W, 51.51'  12+98.65, 15.00' L  20+97.12, 15.00' L  12+98.65, 15.00' L	L=58.77', R=63.00' R	200+00
S32° 39'W, 8.79' L501  5+09.10, 0.00'  S32° 39'W, 8.79'  ACS 2	PC: 21+06.69	
2000 O.	0+97.12, 13.00' R 'W 48.80' // R	PT: 305+98.33 42 <sup>20</sup>
L=29.29', R=12.00'	'W, 48.80'	75.50'
BEG: 20+00.00 L=99.85', R=10		
PCC: 13+99.13 S29° 59'W,	LOT 1	000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
100. 10100.	C1002	5.50' L PC: 304+88.38
4' CONC GUTTER 300+00-	Noo*	20'W, 44.50'————————————————————————————————————
	L=232.63', R=900.62'	PT: 304+46.38
EDGE OF YARD-		c30002  PROPERTY LINE (TYP)
LDOL OI TAND	OPAQUE FENCE  C&G TY2 SEC IIB  OPAQUE FENCE	PC: 304+33.81
	N89° 40'E, 164.31' 302+72.00, 5.50' L	EDGE OF YARD
COLORADO	L=33.77', R=44.50'  302+34.06, 5.50' L  303+00	
Ω11	C&G TY2 SEC IIB	
	PCC: 302+34.06 C30001 PT: 302+72.00	n 3n' en'
KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.		NATIVE SUN CONSTRUCTION MONUMENT, COLORADO CONSTRUCTION DOCUMENTS





IVE SUN CONSTRUCTION PLANS

CONSTRUCTION PLANS

LAYOUT & COORDINATE GEOMETRY

CD REVIEW SET
5/28/2022 9:51 AM

SCALE:
NOTED

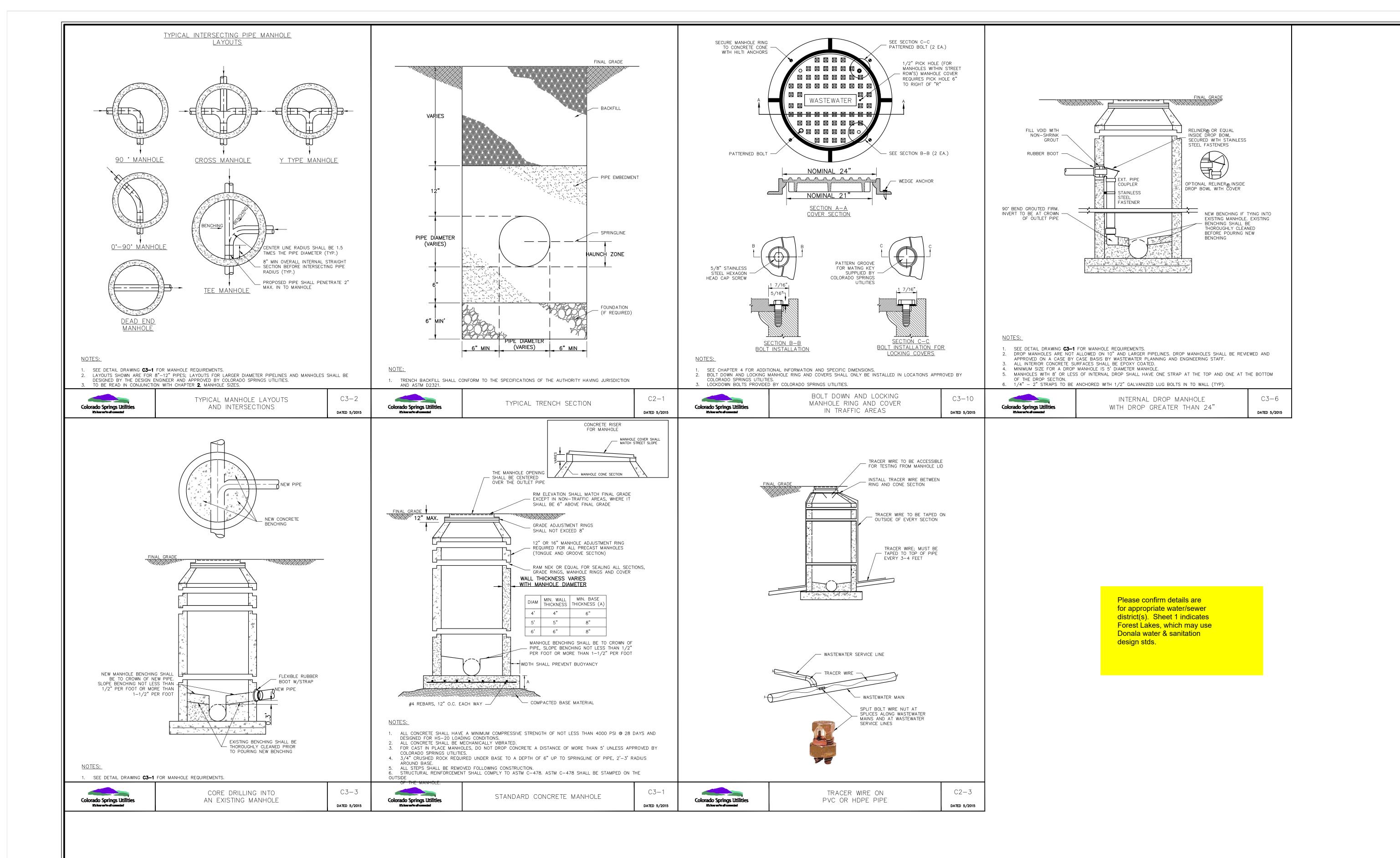
DATE:
MARCH 2021

PROJECT NO.:

SHEET NO.:

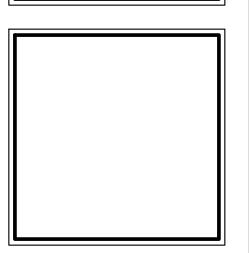
C-16

NATIVE SUN CONSTRUCTION MONUMENT, COLORADO CONSTRUCTION DOCUMENTS









NATIVE SUN CONSTRUCTION PLANS
UTILITY DETAILS

REVISIONS:

CD REVIEW SET 7/22/2022 8:42 AM

SCALE: NOT DATE:

DATE:

MARCH 2021

PROJECT NO.: 21001

SHEET NO.:

C-17