

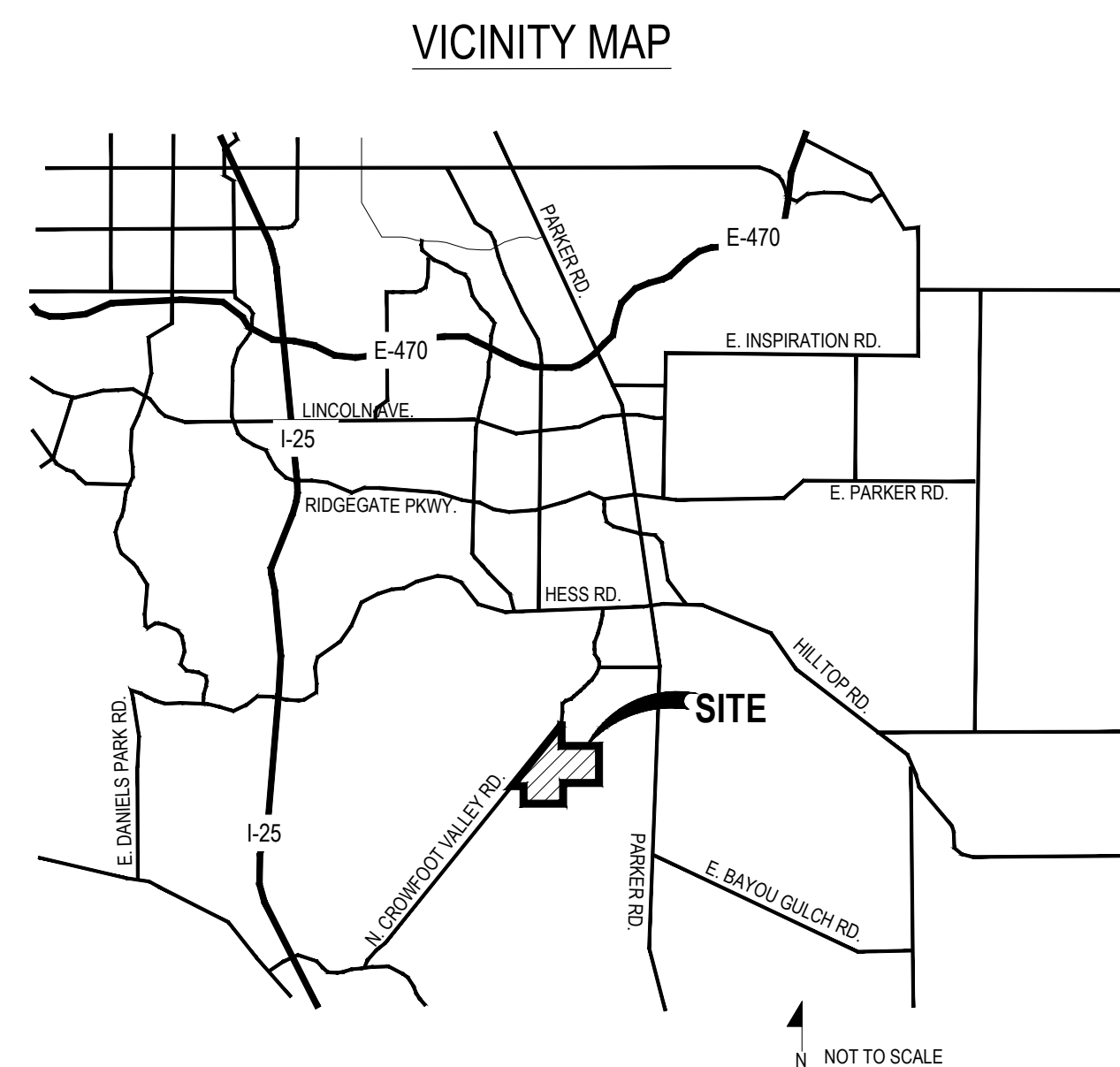
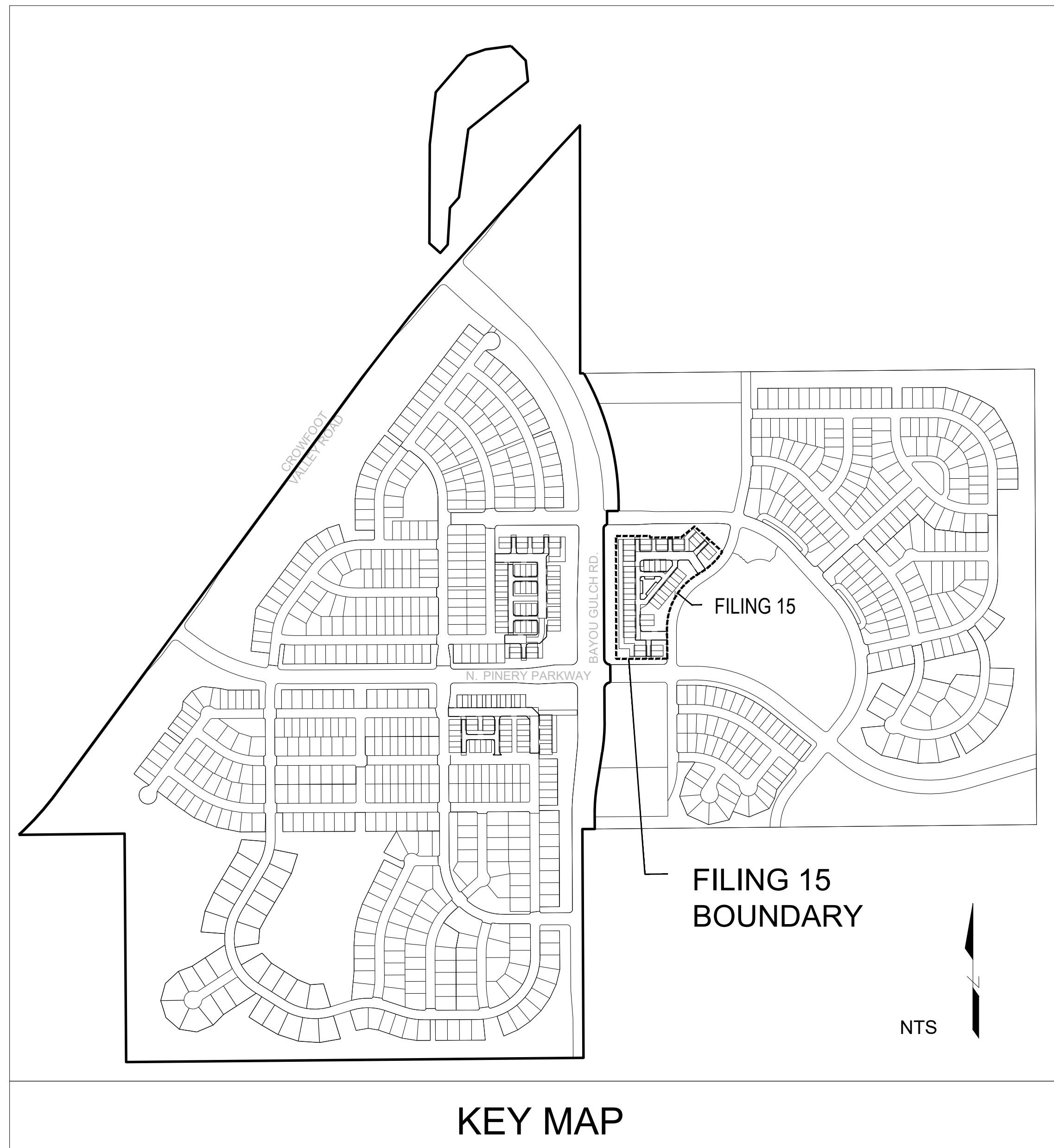
TRAILS AT CROWFOOT AMENDMENT NO.1

LANDSCAPE PLANS

FILING 15, MIXED USE

GENERAL NOTES

- DRAWINGS ARE INTENDED TO BE PRINTED ON 24 X 36 PAPER. PRINTING THESE DRAWINGS AT A DIFFERENT SIZE WILL IMPACT THE SCALE. VERIFY THE GRAPHIC SCALE BEFORE REFERENCING ANY MEASUREMENTS ON THESE SHEETS. THE RECIPIENT OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR ANY ERRORS RESULTING FROM INCORRECT PRINTING, COPYING, OR ANY OTHER CHANGES THAT ALTER THE SCALE OF THE DRAWINGS.
- VERIFY ALL PLAN DIMENSIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE TO ADDRESS ANY QUESTIONS OR CLARIFY ANY DISCREPANCIES.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- SUBMIT A CHANGE ORDER FOR APPROVAL FOR ANY CHANGES TO WORK SCOPE RESULTING FROM FIELD CONDITIONS OR DIRECTION BY OWNER'S REPRESENTATIVE WHICH REQUIRE ADDITIONAL COST TO THE OWNER PRIOR TO PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL PROVIDE A STAKED LAYOUT OF ALL SITE IMPROVEMENTS FOR INSPECTION BY THE OWNER'S REPRESENTATIVE AND MAKE MODIFICATIONS AS REQUIRED. ALL LAYOUT INFORMATION IS AVAILABLE IN DIGITAL FORMAT FOR USE BY THE CONTRACTOR.
- IF A GEOTECHNICAL SOILS REPORT IS NOT AVAILABLE AT THE TIME OF CONSTRUCTION, PCS GROUP, INC. RECOMMENDS A REPORT BE AUTHORIZED BY THE OWNER AND THAT ALL RECOMMENDATIONS OF THE REPORT ARE FOLLOWED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL USE THESE CONTRACT DOCUMENTS AS A BASIS FOR THE BID. IF THE OWNER ELECTS TO PROVIDE A GEOTECHNICAL REPORT, THE CONTRACTOR SHALL REVIEW THE REPORT AND SUBMIT AN APPROPRIATE CHANGE ORDER TO THE OWNER'S REPRESENTATIVE IF ADDITIONAL COSTS ARE REQUESTED.
- CONTRACTOR SHALL CONFIRM THAT SITE CONDITIONS ARE SIMILAR TO THE PLANS WITHIN TOLERANCES STATED IN THE CONTRACT DOCUMENTS, AND SATISFACTORY TO THE CONTRACTOR PRIOR TO START OF WORK. SHOULD SITE CONDITIONS BE DIFFERENT THAN REPRESENTED ON THE PLANS OR UNSATISFACTORY TO THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND FURTHER DIRECTION.
- CONTRACTOR IS RESPONSIBLE TO PAY FOR, AND OBTAIN, ANY REQUIRED APPLICATIONS, PERMITTING, LICENSES, INSPECTIONS AND METERS ASSOCIATED WITH WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO ANY VIOLATIONS OR NON-COMFORMANCE WITH THE PLANS, SPECIFICATIONS, CONTRACT DOCUMENTS, JURISDICTIONAL CODES AND REGULATORY AGENCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY LOCATES PRIOR TO ANY EXCAVATION. NOTIFY OWNER'S REPRESENTATIVE IF EXISTING OR PROPOSED UTILITIES INTERFERE WITH THE ABILITY TO PERFORM WORK.
- UNLESS IDENTIFIED ON THE PLANS FOR DEMOLITION OR REMOVAL, THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT OR EXISTING LANDSCAPE, ADJACENT OR EXISTING PAVING, OR ANY PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION, ESTABLISHMENT OR DURING THE SPECIFIED MAINTENANCE PERIOD. ALL DAMAGES SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOGGING ANY DAMAGES PRIOR TO START OF CONSTRUCTION AND DURING THE CONTRACT PERIOD.
- ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE WORK AREA LIMITS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE APPROPRIATE JURISDICTIONAL AGENCIES AND THE OWNER'S REPRESENTATIVE IF THEIR WORK AND OPERATIONS AFFECT OR IMPACT THE PUBLIC RIGHTS-OF-WAY. OBTAIN APPROVAL PRIOR TO ANY WORK WHICH AFFECTS OR IMPACTS THE PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THIS REQUIREMENT DURING THE CONTRACT PERIOD.
- SIGHT TRIANGLES AND SIGHT LINES SHALL REMAIN UNOBSTRUCTED BY EQUIPMENT, CONSTRUCTION MATERIALS, PLANT MATERIAL OR ANY OTHER VISUAL OBSTACLE DURING THE CONTRACT PERIOD AND AT MATURITY OF PLANTS PER LOCAL JURISDICTIONAL REQUIREMENTS. NO PLANT MATERIAL OTHER THAN GROUND COVER IS ALLOWED TO BE PLANTED ADJACENT TO FIRE HYDRANTS AS STIPULATED BY JURISDICTIONAL REQUIREMENTS.
- COORDINATE SITE ACCESS, STAGING, STORAGE AND CLEAN OUT AREAS WITH OWNER'S REPRESENTATIVE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SAFETY FENCING AND BARRIERS AROUND ALL IMPROVEMENTS SUCH AS WALLS, PLAY STRUCTURES, EXCAVATIONS, ETC. ASSOCIATED WITH THEIR WORK UNTIL SUCH FACILITIES ARE COMPLETELY INSTALLED PER THE PLANS, SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THEIR MATERIAL STOCKPILES CONCRETE IN THE STORM SEWER IS PROHIBITED.
- THE CONTRACTOR SHALL KNOW, UNDERSTAND AND ABIDE BY ANY STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ASSOCIATED WITH THE SITE. IF A STORM WATER POLLUTION PREVENTION PLAN IS NOT PROVIDED BY THE OWNER'S REPRESENTATIVE, REQUEST A COPY BEFORE PERFORMANCE OF ANY SITE WORK.
- CONTRACTOR SHALL MAINTAIN ANY STORM WATER MANAGEMENT FACILITIES THAT EXIST ON SITE FOR FULL FUNCTIONALITY. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ANY NEW STORM WATER MANAGEMENT FACILITIES THAT ARE IDENTIFIED IN THE SCOPE OF WORK TO FULL FUNCTIONALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER FOR FAILURE TO MAINTAIN STORM WATER MANAGEMENT FACILITIES DURING THE CONTRACT PERIOD.
- THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM EXITING THE SITE OR ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION OR CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS DURING THEIR CONTRACTED COURSE OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT ANY IMPACTS TO ADJACENT WATERWAYS, WETLANDS, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS RESULTING FROM WORK DONE AS PART OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE STANDARDS DURING THEIR CONTRACTED COURSE OF WORK.
- THE CONTRACTOR AND OR THEIR AUTHORIZED AGENTS SHALL INSURE THAT ALL LOADS OF CONSTRUCTION MATERIAL IMPORTED TO OR EXPORTED FROM THE PROJECT SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF MATERIAL DURING TRANSPORT. TRANSPORTATION METHODS ON PUBLIC RIGHT-OF-WAYS SHALL CONFORM TO JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS.
- THE CLEANING OF EQUIPMENT IS PROHIBITED AT THE JOB SITE UNLESS AUTHORIZED BY THE OWNER'S REPRESENTATIVE IN A DESIGNATED AREA. THE DISCHARGE OF WATER, WASTE CONCRETE, POLLUTANTS, OR OTHER MATERIALS SHALL ONLY OCCUR IN AREAS DESIGNED FOR SUCH USE AND APPROVED BY THE OWNER'S REPRESENTATIVE.

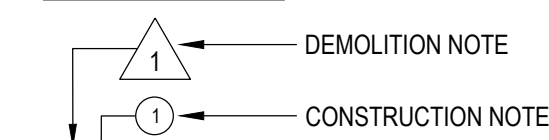


KEY MAP

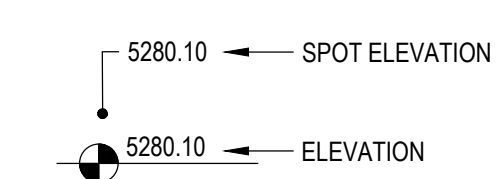
SYMBOLS & ABBREVIATIONS

AC = ACRE	EXP. = EXPANSION	O.C. = ON CENTER
APPROXIMATE = APPROX.	E.W. = EACH WAY	O.D. = OUTSIDE DIAMETER
B&B = BALL AND BURLAP	F.F. = FINISH FLOOR	P.O.B. = POINT OF BEGINNING
BOC = BACK OF CURB	F.G. = FINISH GRADE	P.O.C. = POINT OF CONNECTION
B.M. = BENCH MARK	FIN. = FINISH	P.V.C. = POLYVINYL CHLORIDE
BUDG. = BUILDING	F.H. = FIRE HYDRANT	PIPE
B.S. = BOTTOM OF STAIR	FL = FLOW LINE	PL = PROPERTY LINE
B.W. = BOTTOM OF WALL	FTG. = FOOTING	R = RADIUS
CAL. = CALIPER	FT. = FEET	R.C.P. = REINFORCED CONCRETE PIPE
C.B. = CATCH BASIN	GA. = GAUGE	R.O.W. = RIGHT OF WAY
CL CATCH BASIN CENTER LINE	GALV. = GALVANIZED	RECD. = REQUIRED
C.O. = CLEANOUT	H.W. = HEAD WALL	REINF. = REINFORCED
COL. = COLUMN	H.P. = HIGH POINT	SHT. = SHEET
CONC. = CONCRETE	HT. = HEIGHT	SPEC. = SPECIFICATIONS
CONT. = CONTINUOUS	HORIZ. = HORIZON	SQ. = SQUARE
CONTR. = CONTRACTOR	I.D. = INNER DIAMETER	S.F. = SQUARE FEET
C.F. = CUBIC FEET	IN. = INCH	S.V. = SQUARE YARD
C.Y. = CUBIC YARD	INW. = INWERT	S.S. = STAINLESS STEEL
DET. = DETAIL	L.P. = LOW POINT	T.C. = TOP OF CURB
DIM. = DIMENSION	L.F. = LINEAR FEET	T.S. = TOP OF STAIR
DIA. = DIAMETER	MAX. = MAXIMUM	T.W. = TOP OF WALL
DWG. = DRAWING	M.H. = MAN HOLE	TYP. = TYPICAL
EA. = EACH	MIN. = MINIMUM	VERT. = VERTICAL
ELEV. = ELEVATION	MISC. = MISCELLANEOUS	W/O = WITH OUT
EXIST. = EXISTING	N.I.C. = NOT IN CONTRACT	W.W.M. = WOVEN WIRE MESH
E.P. = EDGE OF PAVING	N.T.S. = NOT TO SCALE	

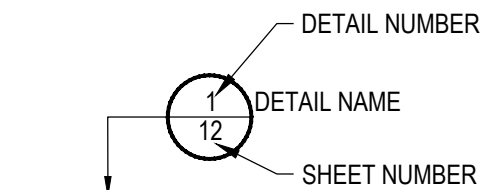
NOTE IDENTIFICATION



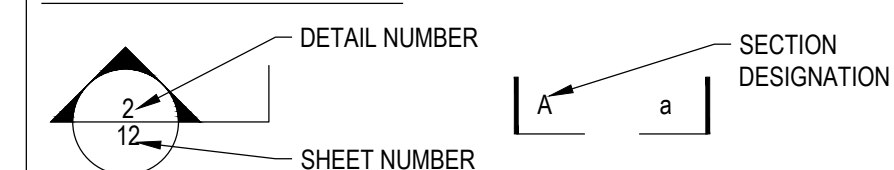
ELEVATION IDENTIFICATION



DETAIL IDENTIFICATION



DETAIL SECTION IDENTIFICATION



Sheet Number	Sheet Title
L0.0	LANDSCAPE COVER SHEET
L0.1	LANDSCAPE NOTES & PLANT SCHEDULE
L1.0	OVERALL LANDSCAPE PLAN
L1.1	LANDSCAPE PLAN
L1.2	LANDSCAPE PLAN
L1.3	LAYOUT, GRADING & MATERIAL ENLARGEMENTS
L1.4	LAYOUT, GRADING & MATERIAL ENLARGEMENTS
L2.0	LANDSCAPE DETAILS
L2.1	LANDSCAPE DETAILS
IR1.0	IRRIGATION LEGEND AND NOTES
IR1.1	IRRIGATION PLAN
IR1.2	IRRIGATION PLAN

OWNER / DEVELOPER

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ARCHITECT



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CIVIL ENGINEER

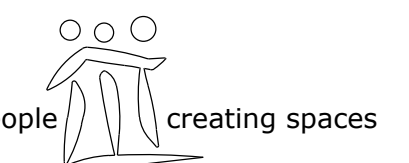


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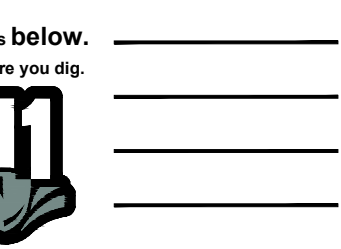
Engineering



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TRAILS AT CROWFOOT
FILING 15 LANDSCAPE PLANS
PARKER, COLORADO

Drawn by: BEM_GG_JWD
Checked by: PCS STAFF
Submitted Date: 06.20.2018



Sheet Name
LANDSCAPE COVER SHEET

Sheet Number

L0.0

LANDSCAPE NOTES

SITE PREP

- LANDSCAPE CONTRACTOR TO REFERENCE CIVIL ENGINEERING DRAWINGS REGARDING DRAINAGE AND EROSION CONTROL NOTES, DETAILS AND PROCEDURES.
- ALL WORK SHALL CONFORM TO LOCAL MUNICIPAL CODES. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE LANDSCAPE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS. ALL UTILITY EASEMENTS SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR USE OF MAINTENANCE EQUIPMENT ENTRY.
- SEE CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE, EROSION CONTROL, PAVING AND SLEEVES, UTILITIES, AND OTHER ENGINEERED DETAILS.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- A PRE-CONSTRUCTION MEETING MAY BE REQUIRED BETWEEN THE LANDSCAPE CONTRACTOR, PROPERTY OWNER AND LANDSCAPE ARCHITECT BEFORE START OF CONSTRUCTION.
- CONTRACTOR SHALL MINIMIZE ALL DISTURBANCE TO NON-IMPACTED AREAS.
- SITE MUST BE CLEAN AND FREE OF ALL CONSTRUCTION DEBRIS BEFORE FINAL ACCEPTANCE.
- CONTRACTOR IS RESPONSIBLE FOR SETUP OF BARRICADES, WARNING SIGNAGE, OR OTHER PROTECTIVE DEVICES IF ANY EXCAVATIONS ARE LEFT EXPOSED AFTER ON-SITE WORK HOURS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE ALL NECESSARY PERMITS FOR CONSTRUCTION WORK WITHIN THE LOCAL JURISDICTION. A SEPARATE LANDSCAPE CONSTRUCTION PERMIT IS REQUIRED AND USE AND SALES TAX WILL BE COLLECTED. WATER CONNECTION FEES ARE TO BE PAID PRIOR TO THE METER SETTING. A BACK FLOW PERMIT AND INSPECTION IS REQUIRED PRIOR TO THE METER BEING INSTALLED IN THE VAULT.
- TOPSOIL IS TO BE STRIPPED & STOCKPILED ON-SITE FOR LATER USE.
- CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING OR NEW SITE IMPROVEMENTS DISTURBED OR DAMAGED DUE TO THEIR OPERATIONS. DAMAGED MATERIALS SHALL BE REPLACED/REPAIRED TO ITS PRIOR CONDITION.
- LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OR LANDSCAPE PLANTING. CONTRACTOR SHALL HAND DIG ALL PLANTING PITS ADJACENT TO UTILITIES. IF UTILITIES ARE DAMAGED, REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENEED & AMENDED.
- ALL LANDSCAPE AREAS SHALL RECEIVE SOIL AMENDMENT ROTOTILLED AT A MIN. 8" DEPTH AT A RATE OF 4 CUBIC YARDS PER 1,000 SF.
- CONTRACTOR SHALL SUBMIT SOIL AMENDMENT SPECIFICATIONS FOR APPROVAL PRIOR TO INSTALLATION.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECH REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2%, MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY LANDSCAPE ARCHITECT.

TURF, PLANT & GROUND COVER MATERIAL

- ANY SUBSTITUTION OR ALTERATION OF PLANT OR LANDSCAPE MATERIALS IN LOCATION, SPECIES, TYPE, ETC. SHALL BE ALLOWED ONLY WITH APPROVAL OF THE LANDSCAPE ARCHITECT. OVERALL PLANT QUANTITY AND QUALITY TO BE CONSISTENT WITH APPROVED PLANS. ANY CHANGES TO THE APPROVED LANDSCAPE PLAN WILL REQUIRE TOWN APPROVAL.
- ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH AAN SPECIFICATIONS FOR NUMBER ONE GRADE.
- PROPOSED TREE LOCATIONS SHALL HAVE A MINIMUM SEPARATION OF 4' BETWEEN WATER OR SEWER SERVICE LINES AND A MINIMUM SEPARATION OF 10' BETWEEN WATER OR SEWER MAIN LINES. PROPOSED TREE LOCATIONS SHALL HAVE A MINIMUM SEPARATION OF 4' BETWEEN GAS LINES.
- ALL PROPOSED IRRIGATED TURF AREAS SHALL BE SODDED WITH THE BLEND SPECIFIED IN THESE PLANS. SOD SHALL BE LAID ON A FIRM BED WITH TIGHT JOINTS AND WITHOUT VOIDS.
- TREE WRAP TO BE APPLIED IN LATE FALL AFTER INSTALLATION, AND REMOVED THE FOLLOWING SPRING. REMOVE ANY STRING OR WIRE AROUND TREE TRUNKS AT TIME OF INSTALLATION.
- CONTRACTOR SHALL REPORT ANY DISCREPANCY FOUND IN THE FIELD VERSUS THE LANDSCAPE DRAWINGS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, OWNER'S REPRESENTATIVE, AND/OR THE CITY/COUNTY PRIOR TO ANY CONSTRUCTION OR DEMOLITION ACTIVITY. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN THE CONTRACTOR'S LIABILITY TO RELOCATE AND REPAIR.
- MAINTAIN A MINIMUM THREE FOOT CLEARANCE AROUND FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS OR OTHER FIRE SERVICE EQUIPMENT. NO TREES OR SHRUBS WILL BE ALLOWED WITHIN THIS AREA.
- TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, AREAS OR UTILITY EASEMENTS. CONTACT LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
- THE CENTER OF EVERGREEN TREES SHALL NOT BE PLACED CLOSER THAN 8' AND THE CENTER OF ORNAMENTAL TREES CLOSER THAN 6' FROM A

FINE GRADING NOTES

- SLOPES NOT TO EXCEED 4:1 MAX. - 1% MIN.
- SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUP SYMBOLS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES (75 MM) IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
- STRIP TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
- STRIP EXISTING SURFACES OF UNSUITABLE TOPSOIL, INCLUDING TRASH, DEBRIS, WEEDS, ROOTS, AND OTHER WASTE MATERIALS.
- STOCKPILE TOPSOIL MATERIALS ON-SITE WITHOUT INTERMIXING WITH SUBSOIL.
- REMOVE EXISTING VEGETATION, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE BEFORE PLACING FILLS.
- FLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL. SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL.
- PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED CROSS-SECTIONS, ELEVATIONS AND GRADES WITH SATISFACTORY SOIL MATERIAL.
- UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED.

SEEDING ESTABLISHMENT NOTES:

- SEED SHALL BE LABELED IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE, RULES AND REGULATIONS AND FEDERAL SEED ACT. SEED SHALL BE EQUAL IN QUALITY TO THE STANDARDS FOR "CERTIFIED SEED" AND SHALL BE FURNISHED IN SEALED, UNOPENED, STANDARD CONTAINERS. SEED SHALL BE FRESH, CLEAN, PURE LIVE SEED WITH THE VARIETIES MIXED IN PROPORTIONS BY WEIGHT SHOWN AND MEETING THE MINIMUM PERCENTAGES OF PURITY AND GERMINATION SPECIFIED.
- SEED SHALL BE APPLIED AT A RATE SHOWN BY MIX. SEED SHALL PASS GOVERNMENT TEST OF GERMINATION OF EIGHTY PERCENT (80%) AND FOR PURITY OF NINETY PERCENT (90%). THE PURE LIVE SEED SHALL NOT BE LESS THAN SIXTY SEVEN ON ONE-HALF PERCENT (67.5%) FOR ANY ONE VARIETY, WITH THE AVERAGE OF THE MIXTURE, NO LESS THAN SEVENTY TWO PERCENT (72%). ALL SEED SHALL BE FREE OF POA ANNUA AND ALL NOXIOUS OBJECTIONABLE WEEDS WITH A MAXIMUM CROP OF ONE-TENTH PERCENT (0.1%) AND MAXIMUM WEED OF ONE TENTH PERCENT (0.1%). IF SEED AVAILABLE ON THE MARKET DOES NOT MEET THE MINIMUM PURITY AND GERMINATION PERCENTAGES SPECIFIED, THE CONTRACTOR MUST COMPENSATE BY FURNISHING SUFFICIENT ADDITIONAL SEED TO EQUAL THE SPECIFIED PRODUCT.
- SPREAD ORGANIC SOIL AMENDMENT MATERIALS, AT A RATE OF 3 C.Y. PER 1000 SQUARE FEET, EVENLY OVER ENTIRE DISTURBED AREA AND THOROUGHLY INCORPORATE, BY MIXING, ROTOTILLING OR FINELY DISKING (MAX. 1" SIZE), TO A DEPTH OF SIX INCHES. ALL STONES, STICKS AND DEBRIS BROUGHT TO THE SURFACE SHALL BE REMOVED FROM THE SITE PROPERLY DISPOSED OF BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER. ALL SEED AREAS WILL THEN BE RAKED AND ROLLED TO THE DESIRED FINISHED GRADES WITH GENTLY SLOPING SURFACES TO ADEQUATELY DRAIN ALL SURFACE WATER RUNOFF. THE FINISHED SURFACE SHALL BE EVEN AND UNIFORM AND NO DIRT CLODS LARGER THAN ONE INCH (1") IN DIAMETER SHALL APPEAR ON THE SURFACE. THE SOIL SURFACE SHALL BE SMOOTH, LOOSE AND OF FINE TEXTURE, AND BE FLUSH WITH ALL PAVING EDGES.
- CONTRACTOR SHALL USE APPROPRIATE MECHANICAL POWER (BRILLION SEEDER OR EQUAL) TO DRILL THE SEED INTO THE SEEDBED WHEREVER POSSIBLE. SEED SHALL BE SOWN TO A DEPTH OF ONE-HALF INCH (1/2"). DRILLING SHALL BE DONE IN 2 SEPARATE APPLICATIONS CROSSING THE AREA AT RIGHT ANGLES TO ONE ANOTHER TO GUARANTEE PROPER COVERAGE. ON SLOPING LAND, SEEDING OPERATIONS SHALL FOLLOW THE GENERAL CONTOUR. AREAS TOO SMALL TO DRILL SEED MAY BE BROADCAST BY HAND AND APPLICATION RATES SHALL BE DOUBLED. SEEDING OF ANY KIND WILL NOT BE PERMITTED WHEN WIND VELOCITY IS SUCH AS TO PREVENT UNIFORM SEED DISTRIBUTION. NO APPLICATION SHALL TAKE PLACE WITH THE PRESENCE OF FREE SURFACE WATER OR WHEN GROUND IS FROZEN OR CANNOT BE TILLED. ADDITIONAL TOPICAL COVER SEEDING MAY BE APPLIED TO PREVIOUSLY SEEDED AREAS IN ORDER TO ACHIEVE ADEQUATE GROUND COVER AND EROSION RESISTANCE.
- SEDED AREAS MAY REQUIRE TEMPORARY ABOVE GROUND SPRAY IRRIGATION UNTIL ESTABLISHMENT. IRRIGATION SHALL BE REMOVED UPON ACCEPTANCE BY THE CITY. WHERE STEEP SLOPES OCCUR, LANDSCAPE CONTRACTOR MAY REQUIRE VARIOUS METHODS OF TEMPORARY

- SIDEWALK, STREET OR DRIVE LANE. EVERGREEN TREES SHALL NOT BE LOCATED ANY CLOSER THAN 15' FROM IRRIGATION ROTOR HEADS. NOTIFY LANDSCAPE ARCHITECT IF TREE LOCATIONS CONFLICT WITH THESE STANDARDS FOR FURTHER DIRECTION.
- ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY LANDSCAPE ARCHITECT.
- NO PLANT MATERIAL SHALL BE PLANTED WITHIN 10' OF ANY EXISTING OR PROPOSED ELECTRICAL SWITCHGEARS, TRANSFORMERS OR OTHER ELECTRICAL UTILITY EQUIPMENT. PLANT MATERIAL MAY BE FIELD ADJUSTED TO PROVIDE THE 10' CLEAR SPACE AND ACCESSIBILITY REQUIRED BY THE UTILITY'S OWNER/OPERATOR.
- ANY TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY LANDSCAPE ARCHITECT PRIOR TO DOING WORK.
- PROPOSED PLANT SPECIES MAY BE SUBJECT TO CHANGE PENDING COMMERCIAL AVAILABILITY AT TIME OF CONSTRUCTION. ALL SPECIES SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. OVERALL PLANT QUANTITIES & SIZES SHALL REMAIN AS INDICATED ON THE PLANT SCHEDULE. CONTRACTOR SHALL VERIFY THAT ANY SUBSTITUTED PLANT SPECIES ARE ACCEPTABLE TO THE LOCAL MUNICIPALITY OR GOVERNING JURISDICTIONS.
- IF SPECIFIED PLANTS ARE NOT COMMERCIALLY AVAILABLE AT TIME OF CONSTRUCTION/INSTALLATION, CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT FOR A SUBSTITUTION.

PLANTING BEDS

- ALL PROPOSED PLANTING BEDS SHALL CONTAIN THE SPECIFIED MULCH. ROCK MULCH BEDS SHALL INCLUDE MIRAFI WEED BARRIER FABRIC OR EQUAL SECURED WITH PINS. OVERLAP FABRIC MIN. 24" AT EDGES. NO FABRIC IS REQUIRED IN WOOD MULCH AREAS.
- ROCK MULCH AROUND VEGETATION SHALL CONTAIN 1 1/2" 2" DIA. ROUND RIVER COBBLE, TAN COLOR, 4" DEPTH.
- WOOD MULCH SHALL BE "GORILLA HAIR" OR EQUAL SHREDDED CEDAR MULCH, 4" DEPTH.
- EDGING BETWEEN TURF AND PLANTING BEDS SHALL BE 12-GAUGE, GREEN COLOR, ROLLED-TOP, STEEL EDGING OR EQUIVALENT. ANY NO EDGING IS REQUIRED AGAINST HARDSCAPE/WALK AREAS OR AT TREE RING EDGES. EDGING SHALL BE INSTALLED TO AVOID IMPEDING DRAINAGE. RE: DETAILS FOR INSTALLATION IN LOW DRAINAGE AREAS.
- FOR TREES NOT IN PLANTING BEDS, ALLOW A 6" Ø DIAMETER BED (TREE RING) WITHOUT SOD AROUND ROOT COLLAR. APPLY SPECIFIED WOOD MULCH & DEPTH AROUND COLLAR FOLLOWING SOD INSTALLATION. NO FABRIC OR STEEL EDGER IS NECESSARY WITHIN TREE RINGS IN NATIVE AREAS. TREES IN PLANTING BEDS SHALL NOT HAVE WEED BARRIER INSTALLED WITHIN 6" OF THEIR TRUNKS.

HARDSCAPE

- REFER TO SITE PLANS & DETAILS FOR SPECIALTY CONCRETE LOCATIONS WHERE APPLICABLE.

IRRIGATION

- 1) PERMANENT UNDERGROUND IRRIGATION IS REQUIRED IN ALL LANDSCAPE AREAS. 2) TURF AREAS ARE ZONED SEPARATELY FROM BED AREAS, 3) CONTROLLER TO INCLUDE RAIN SHUT-OFF. 4) HYDROZONES WILL BE ON SEPARATE IRRIGATION ZONES ACCORDING TO WATER-DEMAND.
- REFER TO IRRIGATION PLANS FOR LIMITS AND TYPES OF IRRIGATION DESIGNED FOR THE LANDSCAPE. IN NO CASE SHALL IRRIGATION BE EMITTED WITHIN THE MINIMUM STANDARDS FROM BUILDING OR WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT. ALL IRRIGATIONS DISTRIBUTION LINES, HEADS AND EMITTERS SHALL BE KEPT OUTSIDE THE MINIMUM DISTANCE AWAY FROM ALL BUILDING AND WALL FOUNDATIONS AS STIPULATED IN THE GEOTECH REPORT.
- TURF & IRRIGATED NATIVE AREAS (WHERE APPLICABLE) SHALL BE IRRIGATED BY AUTOMATIC POP-UP SPRAY SYSTEM. SHRUBS & PLANTING BEDS SHALL BE IRRIGATED WITH DRIP/BUBBLER SYSTEM.
- ALL TREES & SHRUBS OUTSIDE OF BEDS WITHIN NATIVE AREAS SHALL BE DRIP IRRIGATED. ALL IRRIGATION SHALL BE AN AUTOMATIC UNDERGROUND SYSTEM.
- REFER TO IRRIGATION PLANS FOR DETAILED INFORMATION.

MAINTENANCE

- CONTRACTOR IS TO MAINTAIN ALL PLANTINGS AND ASSOCIATED IRRIGATION SYSTEM INSTALLED UNDER THIS CONTRACT UNTIL FINAL ACCEPTANCE BY THE CITY AND TURNOVER TO OWNER. THIS MAINTENANCE SHALL INCLUDE PROPER WATERING OF ALL PLANTS, AND MOWING OF TURF/SEED AREAS IF NECESSARY.
- SITE MUST BE CLEAN AND FREE OF ALL CONSTRUCTION DEBRIS BEFORE FINAL ACCEPTANCE.
- ALL PLANT MATERIAL WILL BE COVERED BY A WARRANTY PERIOD. THE CONTRACTOR SHALL REPLACE DEAD, UNHEALTHY, OR OTHERWISE UNSATISFACTORY MATERIAL THROUGHOUT THIS PERIOD. THE WARRANTY SHALL BEGIN UPON FINAL ACCEPTANCE OF THE JOB.
- LANDSCAPING SHALL BE PLANTED AND MAINTAINED IN A LIVING CONDITION BY THE OWNER OR ASSIGNS OR OWNERS ASSOCIATION. TREES AND SHRUBS MUST HAVE A 100% ONGOING SURVIVAL RATE. ANY DEAD OR DAMAGED PLANT MATERIAL (AS DETERMINED BY THE LOCAL MUNICIPALITY) SHALL BE REPLACED. NON-LIVING GROUND COVERS, SUCH AS ROCK OR MULCH, MUST BE 100% INTACT AFTER ONE YEAR AND 100% INTACT THEREAFTER.
- LANDSCAPE AREAS WITHIN THE PROPERTY AND WITHIN THE ADJACENT RIGHT OF WAY SHALL BE MAINTAINED BY THE PROPERTY OWNER.

- PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
- CUT OUT SOFT SPOTS, FILL LOW SPOTS AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES.
- SITE GRADING: SLOPE GRADES TO DIRECT WATER AWAY FROM ADJACENT STRUCTURES AND TO PREVENT PONDING. FINISH SUBGRADES TO REQUIRED ELEVATIONS WITHIN THE FOLLOWING TOLERANCES:
 - AT LOCATIONS DESIGNATED FOR LAWN OR UNPAVED AREAS: PLUS OR MINUS 1 INCH (25 MM).
 - AT DESIGNATED PAVEMENT LOCATIONS: PLUS OR MINUS 1/2 INCH (13 MM).
- GRADING ON SLOPES: INSTALL EROSION STABILIZATION FABRIC PER MANUFACTURERS RECOMMENDATIONS ON SLOPED SURFACES EQUAL TO OR GREATER THAN A RATIO OF 1) VERTICAL FOOT TO 3) HORIZONTAL FEET.
- CONTRACTOR WILL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY-CONTROL TESTING.
- PROTECT NEWLY GRADED AREAS FROM TRAFFIC, FREEZING, AND EROSION. KEEP FREE OF TRASH AND DEBRIS.
- REPAIR AND REESTABLISH GRADES TO SPECIFIED TOLERANCES WHERE COMPLETED OR PARTIALLY COMPLETED SURFACES BECOME ERODED, RUTTED, SETTLED, OR WHERE THEY LOSE COMPACTION DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS OR WEATHER CONDITIONS.
- WHERE SETTling OCCURS BEFORE PROJECT CORRECTION PERIOD ELAPSES, REMOVE FINISHED SURFACE GRADING, BACKFILL WITH ADDITIONAL SOIL MATERIAL, COMPACT, AND RECONSTRUCT SURFACE GRADING.
- TRANSPORT SURPLUS SATISFACTORY SOIL TO DESIGNATED STORAGE AREAS ON OWNER'S PROPERTY. STOCKPILE OR SPREAD SOIL AS DIRECTED BY OWNER.

IRRIGATION TO ACHIEVE SEED ESTABLISHMENT. SUCH METHODS SHALL BE IN COMPLIANCE WITH THE PROJECT'S EROSION CONTROL METHODS, BMP'S AND ALL CITY CODES AND REQUIREMENTS.

- MULCH WILL BE HYDRO MULCH. HYDRO MULCH SHALL BE CONWED 200 AND TACKIFIER OR APPROVED SUBSTITUTE MEETING THE FOLLOWING REQUIREMENTS:
 - VIRGIN WOOD CELLULOSE FIBER: MAY NOT CONTAIN ANY SUBSTANCE OR FIBER THAT MAY INHIBIT GERMINATION OF GROWTH OF GRASS SEEDS AND PLANTS.
 - DYE TO APPROPRIATE COLOR TO ALLOW PROPER METERING OF APPLICATION.
 - FIBERS MUST HAVE ABILITY TO BECOME EVENLY DISPERSED AND SUSPENDED WHEN AGITATED IN WATER.
 - WHEN SPRAYED UNIFORMLY ON SURFACE OF SOIL, FIBERS SHALL FORM BLOTTER - LIKE GROUND COVER THAT READILY ABSORBS WATER, AND ALLOWS INFILTRATION TO UNDERLYING SOIL.
 - WEIGHT SPECIFICATIONS SHALL REFER ONLY TO AIR DRY WEIGHT OF FIBERS WITH A STANDARD MOISTURE CONTENT OF TEN PERCENT (10%).
 - MULCH MATERIAL SHALL BE SUPPLIED IN CONTAINERS NOT WEIGHING OVER ONE HUNDRED (100) LBS AND SHOWING AIR DRY WEIGHT OF FIBERS.
 - ORGANIC TACKIFIER MAY BE SUPPLIED WITH HYDROMULCH FIBERS OR BE ADDED AT A LATER TIME.

WEED MANAGEMENT

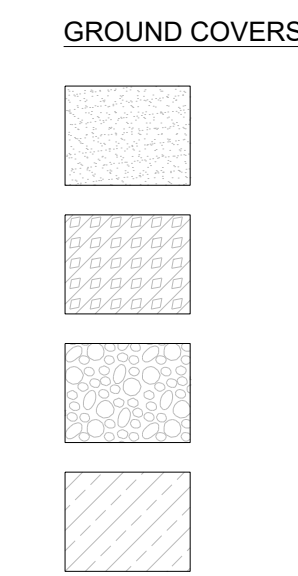
BEFORE SEEDING, REMOVE EXISTING WEEDS BY PULLING, TILLING UNDER AND/OR, APPLYING A GLYPHOSATE HERBICIDE SUCH AS ROUNDUP®, OR BY A COMBINATION OF THESE METHODS. FOR ADDITIONAL WEED CONTROL AFTER SITE PREPARATION, A SOIL FUMIGANT MAY BE USED, OR THE AREA MAY BE IRRIGATED TO ENCOURAGE WEED GROWTH AND THEN SPRAYED WITH A GENERAL HERBICIDE.

IN VERY WEEDY AREAS, THE FOLLOWING METHOD IS SUGGESTED: (1) TILL SOIL OR SPRAY VEGETATION WITH ROUNDUP®, WHEN USING AN HERBICIDE, ALLOW VEGETATION TO DIE, THEN RAKE OUT THE DEAD DEBRIS. IF PERENNIAL WEEDS SUCH AS BINDWEED ARE PRESENT, USING AN HERBICIDE IS MORE EFFECTIVE THAN TILLING. (2) IRRIGATE TO ENCOURAGE GERMINATION OF WEED SEEDS NEAR THE SURFACE. MOST SEEDS WILL GERMINATE WITHIN TWO WEEKS IF CONSISTENT MOISTURE IS AVAILABLE. DO NOT TILL THE SOIL AGAIN BECAUSE THIS WILL BRING EVEN MORE WEED SEEDS UP TO THE SURFACE. (3) SPRAY ANY NEW GROWTH WITH ROUNDUP®, (4) AFTER RAKING OUT DEAD VEGETATION, ALLOW SOIL TO RECOVER FOR 4 WEEKS BEFORE PLANTING SEE. A RECOVERY PERIOD OF THIS DURATION IS ADVISABLE BECAUSE EXTENSIVE USE OF GLYPHOSATE HERBICIDES MAY CAUSE A DELAY IN GERMINATION AND IN THE VIGOROUS GROWTH OF SEEDLINGS. ONCE THE SEEDS HAVE GERMINATED, FURTHER WEED CONTROL IS USUALLY NECESSARY. IF PRACTICAL, PULL ALL WEEDS AS SOON AS THEY CAN BE IDENTIFIED. OTHER SUCCESSFUL TECHNIQUES ARE SPOT-SPRAYING WITH A GENERAL HERBICIDE OR SELECTIVELY CUTTING WEEDS WITH A STRING TRIMMER. BE SURE TO REMOVE WEEDS BEFORE THEY RESEED.

ONCE ESTABLISHED, NATIVE AREAS MAY BE MOWED TWICE A SEASON OR AS REQUIRED TO MINIMIZE WEED GROWTH. FURTHER MOWING ADJACENT TO ROADWAYS AND PARK AREAS MAY BE REQUIRED AS SEASONAL DROUGHT AND FIRE CONDITIONS MAY DICTATE.

PLANT SCHEDULE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE
AE	4	ACER PLATANOIDES 'EMERALD QUEEN'	EMERALD QUEEN MAPLE	B & B	2.5" CAL
AS	2	ACER PLATANOIDES 'SCHWEDLER'	SCHWEDLER MAPLE	B & B	2.5" CAL
HAC	8	CELSTIS OCCIDENTALIS	COMMON HACKBERRY	B & B	2.5" CAL
GI	4	GLEDITSIA TRIACANTHOS 'IMPERIAL'	IMPERIAL HONEYLOCUST	B & B	2.5" CAL
OY	2	OSTRYA VIRGINIANA	AMERICAN HORNBEAM	B & B	2.5" CAL
QB	16	QUERCUS BICOLOR	SWAMP WHITE OAK	B & B	2.5" CAL
TG2	12	TILIA CORDATA 'GLENLEVEN'	GLENLEVEN LITTLELEAF LINDEN	B & B	2.5" CAL
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE
PSP	19	PINUS FLEXILIS	LIMBER PINE	B & B	6'-8" HT
PN	10	PINUS NIGRA	AUSTRIAN BLACK PINE	B & B	6'-8" HT
PPI	20	PINUS PONDEROSA	PONDEROSA PINE	B & B	6'-8" HT
ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE
AT	3	ALNUS TENUIFOLIA	THINLEAF ALDER	B & B	2" CAL
SC	14	MALUS X 'SPRING SNOW'	SPRING SNOW CRAB APPLE	B & B	2" CAL
ANNUALS/PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
AHC	76	AGASTACHE X 'CORANADO RED'	ANISE HYSSOP	1 GAL	2.5' X 3'
EP	165	ECHINACEA PURPUREA	PURPLE CONEFLOWER	1 GAL	2' X 2'
BES	25	RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM'	BLACK-EDGED SUSAN	1 GAL	1.5' X 1.5'
SP	43	SCABIOSA CAUCASICA 'PERFECTA BLUE'	PINCUSHION FLOWER	1 GAL	2.5' X 1.5'
DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
SSB	6	AMELANCHIER ALNIFOLIA 'REGENT'	SASKATOON SERVICEBERRY	5 GAL	12' X 8'
AG	28	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	'AUTUMN BRILLIANCE' SERVICEBERRY	5 GAL	15' X 10'
CD	85	CARYOPTERIS X CLANDONENSIS 'DARK KNIGHT'	BLUE MIST SHRUB	5 GAL	2'-3'
CI	83	CERCOCARPUS INTRICATUS	LITTLE LEAF MOUNTAIN MAHOGANY	5 GAL	5' X 5'
CB	13	CORNUS SERICEA 'BAILEY'	RED TWIG DOGWOOD	5 GAL	8' X 8'
CD2	6	COTONEASTER DIVARICATUS	SPREADING COTONEASTER	5 GAL	6' X 6'
CH	21	COTONEASTER HORIZONTALIS	ROCK COTONEASTER	5 GAL	3' X 5'
PS2	82	PENSTEMON STRICTUS	ROCKY MOUNTAIN PENSTEMON	5 GAL	2' X 3'
PJ	5	POTENTILLA FRUTICOSA 'JACKMANII'	JACKMAN'S POTENTILLA	5 GAL	3' X 4'
SCH	51	PRUNUS BESSEYI 'PAWNEE BUTTES'	PAWNEE BUTTES SAND CHERRY	5 GAL	18" X 6"
RHU	10	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	5 GAL	3' X 6"
RT	5	RHUS TRILOBATA	THREE LEAF SUMAC	5 GAL	4' X 5'
SP2	5	SALIX PURPUREA 'NANA'	DWARF ARCTIC WILLOW	5 GAL	8' X 8"
EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
AC	3	ARCTOSTAPHYLOS X COLORADOENSIS 'CHIEFTAIN'	MANZANITA	5 GAL	2' X 5'
CSM	69	CYTISUS SCOPARIUS 'MOONLIGHT'	MOONLIGHT BROOM	5 GAL	3' X 5'
EC	26	EUONYMUS FORTUNEI 'COLORATA'	PURPLE-LEAF WINTER CREEPER	5 GAL	2' X 5'
JB	19	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP JUNIPER	5 GAL	8' X 7'
JH	11	JUNIPERUS HORIZONTALIS 'HUGHES'	HUGHES JUNIPER	5 GAL	1.5' X 6"
BUJ	36	JUNIPERUS SABINA 'BUFFALO'	BUFFALO JUNIPER	5 GAL	2' X 6"
PS	60	PINUS MUGO 'SLOWMOUND'	MUGO PINE	5 GAL	2.5' X 5'
ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
CK	272	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	1 GAL	4.5' X 2'
MG	124	MISCANTHUS SINENSIS 'GRACILLIMUS'	MAIDEN GRASS	1 GAL	4' X 5'
MY	32	MISCANTHUS SINENSIS 'YAKU JIMA'	YAKU JIMA DWARF MAIDEN GRASS	1 GAL	3' X 3'
PH	14	PANICUM VIRGATUM 'HEAVY METAL'	BLUE SWITCH GRASS	1 GAL	5' X 3'
PH2	47	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	5 GAL	
PB2	12	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	1 GAL	1' X 2'
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	45,848 SF	ENVIROTURF RE: LANDSCAPE NOTES/STREETSCAPE ONLY	ENVIROTURF	SOD	
	13,437 SF	ROCK MULCH GREY, 2" DIA. COBBLE 3" DEPTH, RE: LDSCP NOTES	ROCK MULCH GREY, 2" DIA. COBBLE	MULCH	
	1,664 SF	ROCK MULCH TAN, 2" DIA. COBBLE 3" DEPTH, RE: LDSCP NOTES	ROCK MULCH TAN, 2" DIA. COBBLE	MULCH	
	143,570 SF	SEED MIX 1 TOWN OF PARKER - SEED MIX 1, RE: LANDSCAPE NOTES	SEED MIX 1	SEED	



NOTES:

- DISTURBED AREAS TO BE RE-VEGETATED PER THE GRADING AND EROSION CONTROL PLANS.
- PER TREE CONSERVATION PLAN, ALL MITIGATED SHRUBS FROM REMOVAL OF EXISTING SHRUB MASSES SHALL BE PLANTED WITHIN THE PROPOSED LANDSCAPE.
- LANDSCAPE PLACEMENT IN THE TREE LAWN ADJACENT TO LOTS IS NOT FINAL AND MAY CHANGE BASED UPON DRIVEWAY AND UTILITY LOCATIONS.
- NO FENCES OR STRUCTURES WILL BE ALLOWED WITHIN SIGHT TRIANGLES.
- SHRUBS AND PLANTINGS WILL BE NO TALLER THAN 2' FEET WITHIN THE SIGHT TRIANGLE.
- TEMPORARY IRRIGATION FOR ESTABLISHMENT OF NATIVE VEGETATION MUST BE INSTALLED ABOVE GROUND, AND REMOVED IMMEDIATELY AFTER ESTABLISHMENT IS COMPLETE.

Prepared For

ESX MANAGEMENT
7353 SOUTH ALTON WAY
CENTENNIAL, CO 80112

Land Planning



pcs group inc. www.pcsgroupco.com
435 S. 180 Independence Plaza
1007 16th Street, Denver, CO 80265
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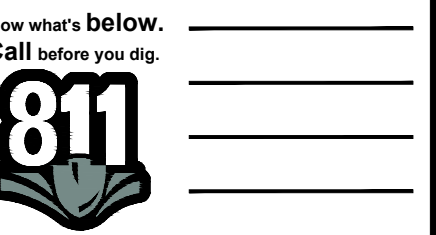
Engineering



10333 E. DRY CREEK RD. #240
ENGLEWOOD, CO 80112
720-482-9526

TRAILS AT CROWFOOT
FILING 15 LANDSCAPE PLANS
PARKER, COLORADO

Drawn by: BEM_GG_JWD
Checked by: PCS STAFF
Submittal Date: 06.20.2018

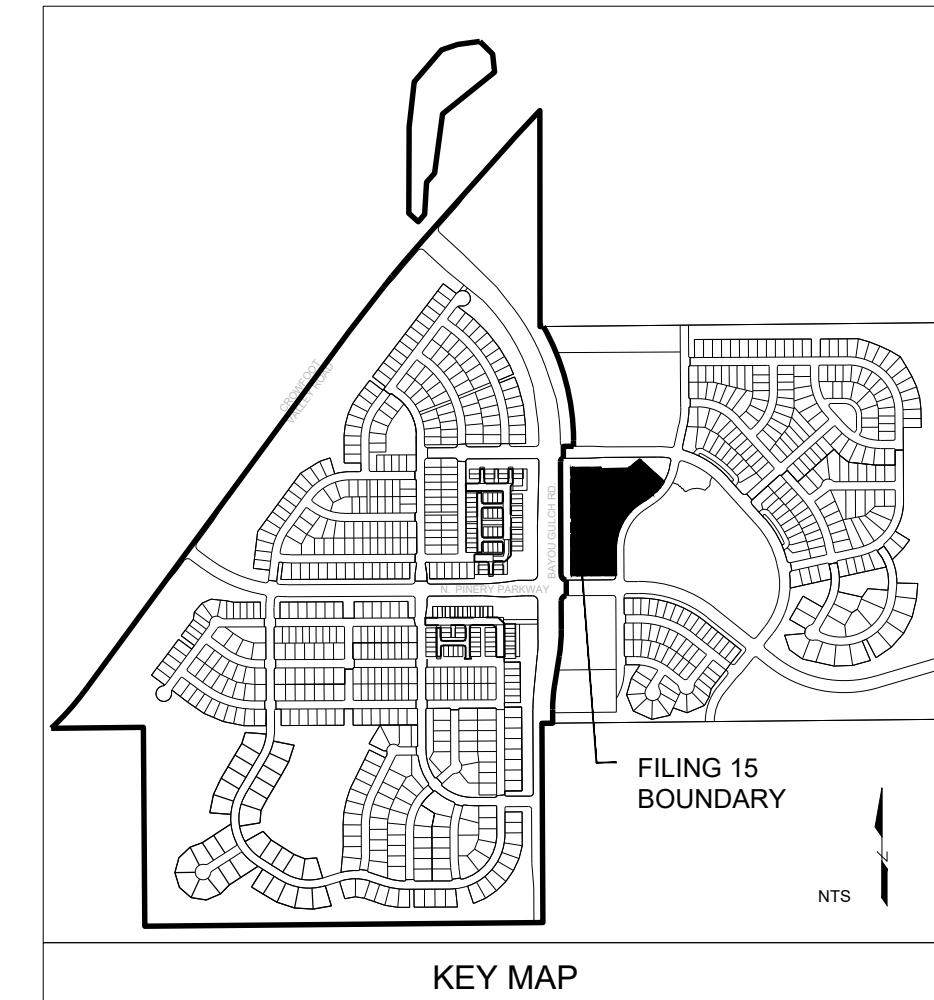
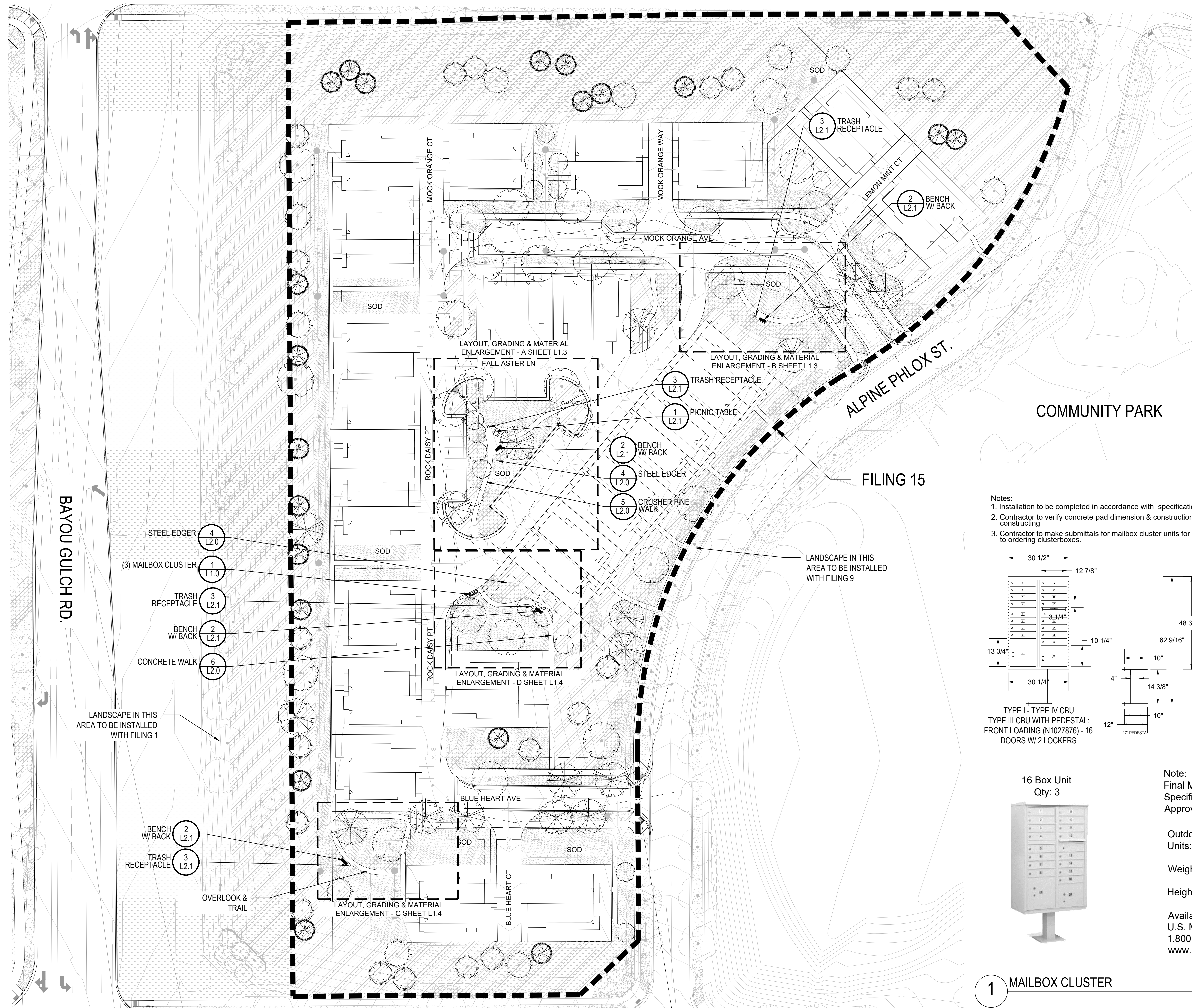


Sheet Name
LANDSCAPE NOTES &
PLANT SCHEDULE

Sheet Number

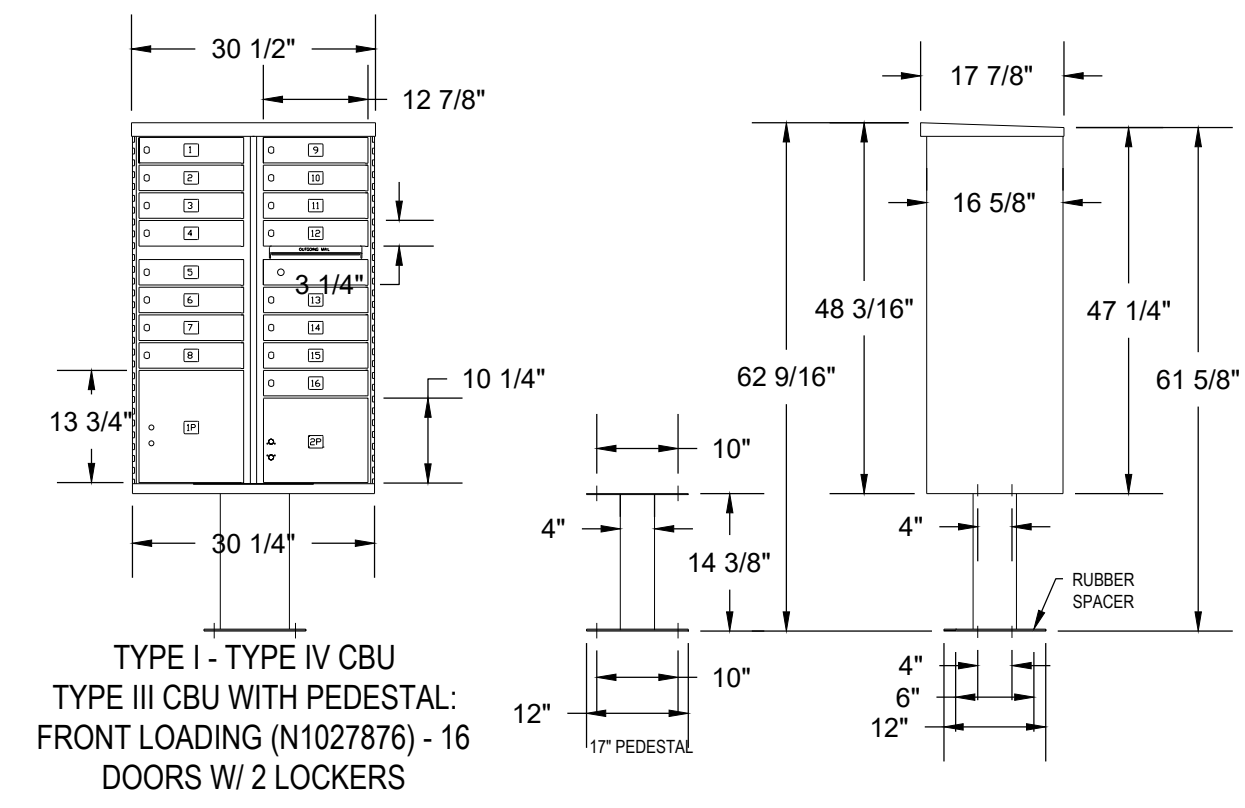
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Y:\Hess_Ranch\LANDSCAPE_ARCHITECTURE\CURRENT DWGS\Hess-LDSCP PLANS - FILING-15_CDS.DWG
 Wednesday, June 06, 2018



- NOTES:
1. LANDSCAPE MATERIAL AND TREES IN TREE LAWNS ADJACENT TO LOTS ARE RESPONSIBILITY OF HOME BUILDER. STREET TREE LOCATIONS ARE NOT FINAL AND MAY CHANGE BASED UPON DRIVEWAY LOCATION.
 2. NO FENCES OR STRUCTURES WILL BE ALLOWED WITHIN SIGHT TRIANGLES.
 3. SHRUBS & PERENNIALS WITHIN SIGHT TRIANGLES WILL BE NO HIGHER THAN 2'.
 4. MAILBOX CLUSTER LOCATIONS ARE CONCEPTUAL ONLY. FINAL LOCATIONS TO BE DETERMINED BY POSTMASTER.
 5. ALL FENCING TO BE INSTALLED AS PART OF FILING 1 OR 9.

- Notes:
1. Installation to be completed in accordance with specifications by factory authorized installers.
 2. Contractor to verify concrete pad dimension & construction specifications with USPS before constructing
 3. Contractor to make submittals for mailbox cluster units for review & approval, with pricing info, prior to ordering clusterboxes.



POSTAL PRODUCTS UNLIMITED, INC
 500 W OKLAHOMA AVE.
 MILWAUKEE, WI 53207
 TOLL FREE: 1-800-229-4500
 PHONE: (414) 290-1500
 FAX: (800) 570-0007
 www.mailproducts.com

16 Box Unit
 Qty: 3

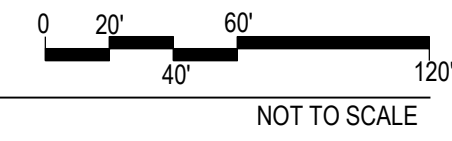


Note:
 Final Mailbox Locations, Sizes and Specifications to be Coordinated and Approved by the U.S. Post Master.

Outdoor Pedestal Mailbox
 Units: 12 Box (F181570-12)
 16 Box (F181570-16)
 Weight: 12 Box = 138 lbs
 16 Box = 161 lbs
 Height: 62" Width: 28.5" Depth: 17.5"

Available from:
 U.S. Mail Supply
 1.800.571.0147
 www.usmailsupply.com

1 MAILBOX CLUSTER



Prepared For
ESX MANAGEMENT
 7353 SOUTH ALTON WAY
 CENTENNIAL, CO 80112

Land Planning
 people creating spaces
 pcs group inc. www.pcsgroupco.com
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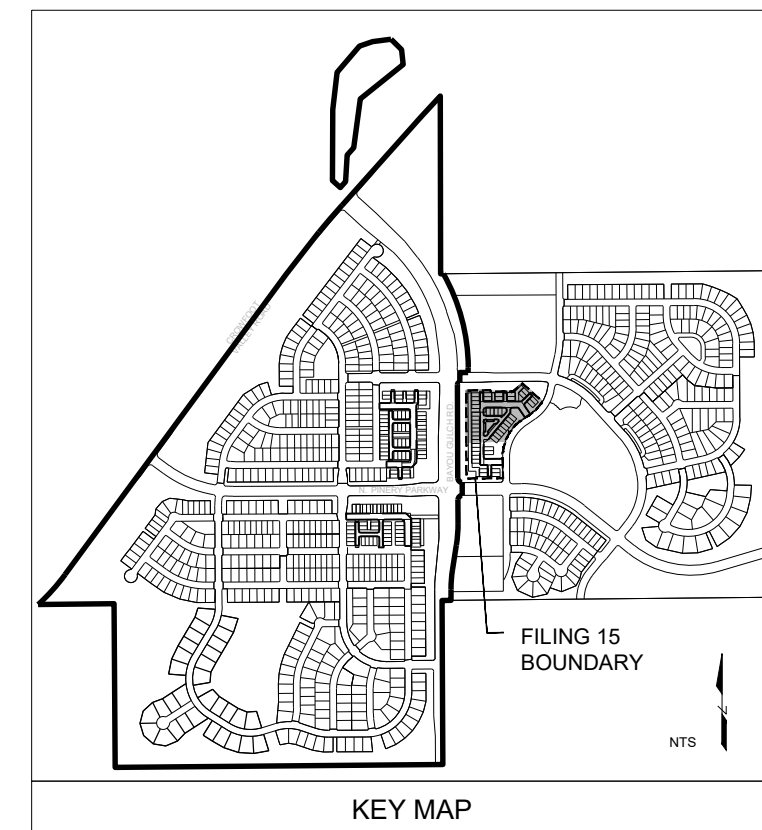
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TRAILS AT CROWFOOT
 FILING 15 LANDSCAPE PLANS
 PARKER, COLORADO

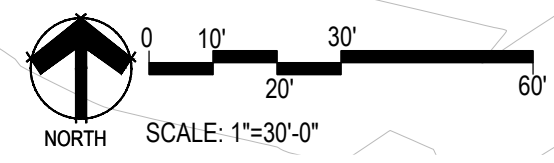
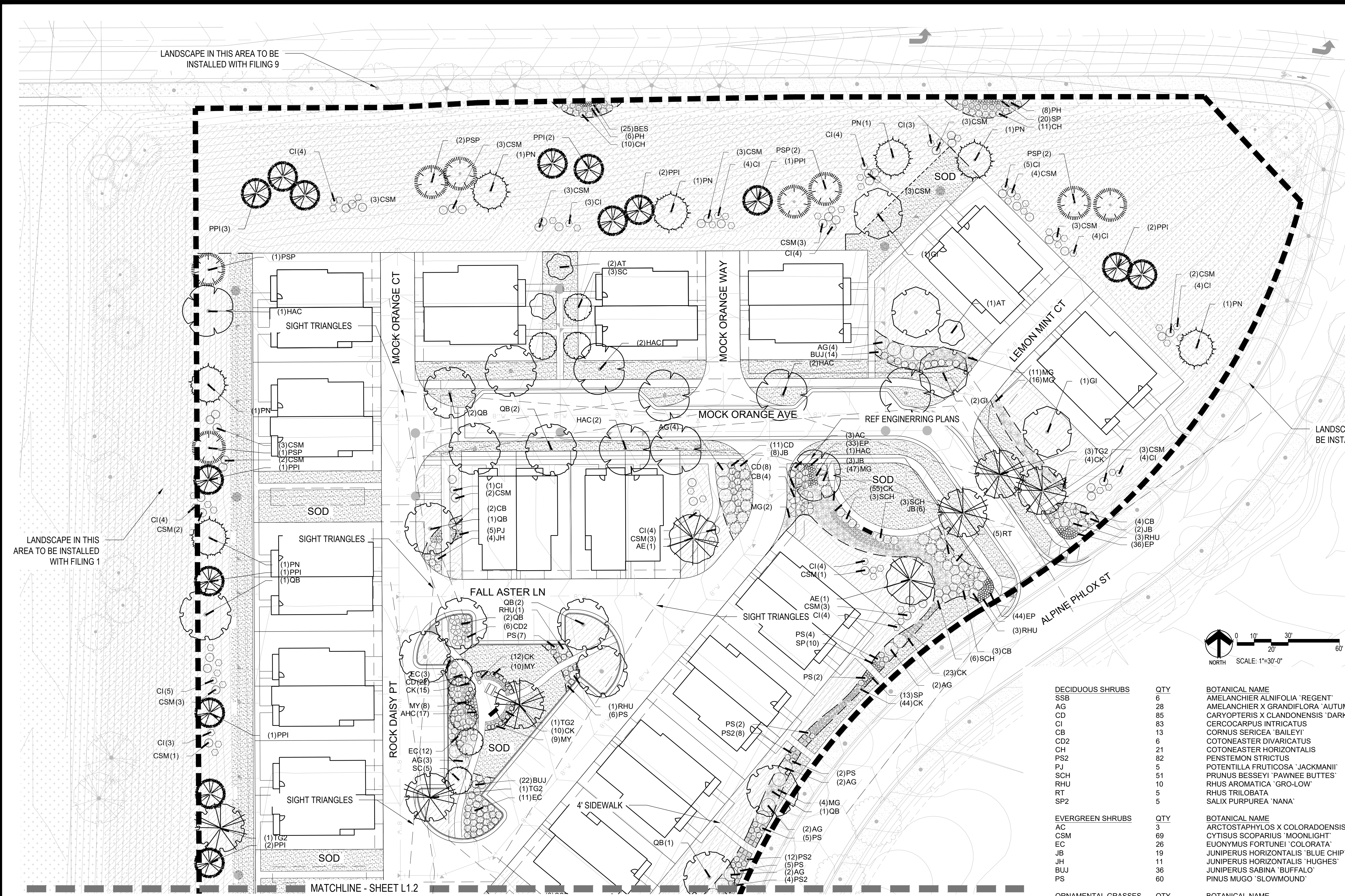
Drawn by: BEM, GG, JWD
 Checked by: PCS STAFF
 Submittal Date: 06.20.2018
 Know what's below. Call before you dig.

Sheet Name
OVERALL LANDSCAPE PLAN

Sheet Number
L1.0



- NOTES:
- LANDSCAPE MATERIAL AND TREES IN TREE LAWNS ADJACENT TO LOTS ARE RESPONSIBILITY OF HOME BUILDER. STREET TREE LOCATIONS ARE NOT FINAL AND MAY CHANGE BASED UPON DRIVEWAY LOCATION.
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 - SHRUBS & PERENNIALS WITHIN SIGHT TRIANGLES WILL BE NO HIGHER THAN 2'.
 - MAILBOX CLUSTER LOCATIONS ARE CONCEPTUAL ONLY. FINAL LOCATIONS TO BE DETERMINED BY POSTMASTER.
 - ALL FENCING TO BE INSTALLED AS PART OF FILING 1 OR 9.



1 LANDSCAPE PLAN-FILING 15

SCALE: 1"=30'-0"

FILING 15 PLANT SCHEDULE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME
AE	4	ACER PLATANOIDES 'EMERALD QUEEN'	EMERALD QUEEN MAPLE
AS	2	ACER PLATANOIDES 'SCHWEDLERI'	SCHWEDLER MAPLE
HAC	8	CELTIS OCCIDENTALIS	COMMON HACKBERRY
GI	4	GLEDITSIA TRIACANTHOS 'IMPERIAL'	IMPERIAL HONEYLOCUST
OV	2	OSTRYA VIRGINIANA	AMERICAN HORNBEAM
QB	16	QUERCUS BICOLOR	SWAMP WHITE OAK
TG2	12	TILIA CORDATA 'GLENLEVEN'	GLENLEVEN LITTLELEAF LINDEN
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME
PSP	19	PINUS FLEXILIS	LIMBER PINE
PN	10	PINUS NIGRA	AUSTRIAN BLACK PINE
PPI	20	PINUS PONDEROSA	PONDEROSA PINE
ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME
AT	3	ALNUS TENUIFOLIA	THINLEAF ALDER
SC	14	MALUS X 'SPRING SNOW'	SPRING SNOW CRAB APPLE
ANNUALS/PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME
AHC	76	AGASTACHE X 'CORANADO RED'	ANISE HYSSOP
EP	165	ECHINACEA PURPUREA	PURPLE CONEFLOWER
BES	25	RUBEOCKIA FULGIDA SULLIVANTI 'GOLDSTURM'	BLACK-EYED SUSAN
SP	43	SCABIOSA CAUCASICA 'PERFECTA BLUE'	PINCUSHION FLOWER

DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME
SSB	6	AMELANCHIER ALNIFOLIA 'REGENT'	SASKATOON SERVICEBERRY
AG	28	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	'AUTUMN BRILLIANCE' SERVICEBERRY
CD	85	CARYOPTERIS X CLANDONENSIS 'DARK KNIGHT'	BLUE MIST SHRUB
CI	83	CERCOCARPUS INTRICATUS	LITTLE LEAF MOUNTAIN MAHOGANY
CB	13	CORNUS SERICEA 'BAILEY'	RED TWIG DOGWOOD
CD2	6	COTONEASTER DIVARICATUS	SPREADING COTONEASTER
CH	21	COTONEASTER HORIZONTALIS	ROCK COTONEASTER
PS2	82	PENSTEMON STRICTUS	ROCKY MOUNTAIN PENSTEMON
PJ	5	POTENTILLA FRUTICOSA 'JACKMANII'	JACKMAN'S POTENTILLA
SCH	51	PRUNUS BESSEYI 'PAWNEE BUTTES'	PAWNEE BUTTES SAND CHERRY
RHU	10	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC
RT	5	RHUS TRILOBATA	THREE LEAF SUMAC
SP2	5	SALIX PURPUREA 'NANA'	DWARF ARCTIC WILLOW
EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME
AC	3	ARCTOSTAPHYLOS X COLORADOENSIS 'CHIEFTAIN'	MANZANITA
CSM	69	CYTISUS SCOPARIUS 'MOONLIGHT'	MOONLIGHT BROOM
EC	26	EUONYMUS FORTUNEI 'COLORATA'	PURPLE-LEAF WINTER CREEPER
JB	19	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP JUNIPER
JH	11	JUNIPERUS HORIZONTALIS 'HUGHES'	HUGHES JUNIPER
BUJ	36	JUNIPERUS SABINA 'BUFFALO'	BUFFALO JUNIPER
PS	60	PINUS MUGO 'SLOWMOUND'	MUGO PINE
ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME
CK	272	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS
MG	124	MISCANTHUS SINENSIS 'GRACILLIMUS'	MAIDEN GRASS
MY	32	MISCANTHUS SINENSIS 'YAKU JIMA'	YAKU JIMA DWARF MAIDEN GRASS
PH	14	PANICUM VIRGATUM 'HEAVY METAL'	BLUE SWITCH GRASS
PH2	47	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS
PS	12	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME
	45,848 SF	ENVIROTURF RE: LANDSCAPE NOTES/STREETSCAPE ONLY	ENVIROTURF
	13,437 SF	ROCK MULCH GREY, 2" DIA. COBBLE 3" DEPTH, RE: LDSCP NOTES	ROCK MULCH GREY, 2" DIA. COBBLE
	1,664 SF	ROCK MULCH TAN, 2" DIA. COBBLE 3" DEPTH, RE: LDSCP NOTES	ROCK MULCH TAN, 2" DIA. COBBLE
	143,570 SF	SEED MIX 1 TOWN OF PARKER - SEED MIX 1, RE: LANDSCAPE NOTES	SEED MIX 1

Y:\HSS_RANCH\LANDSCAPE_ARCHITECTURE\CURRENT DWGS\HSS-LDSCP PLANS - FILING-15_CDS.DWG
Wednesday, June 06, 2018

Drawn by: BEM, GG, JWD
Checked by: PCS STAFF
Submitted Date: 06.20.2018
Call before you dig.
811

Sheet Name
LANDSCAPE PLAN

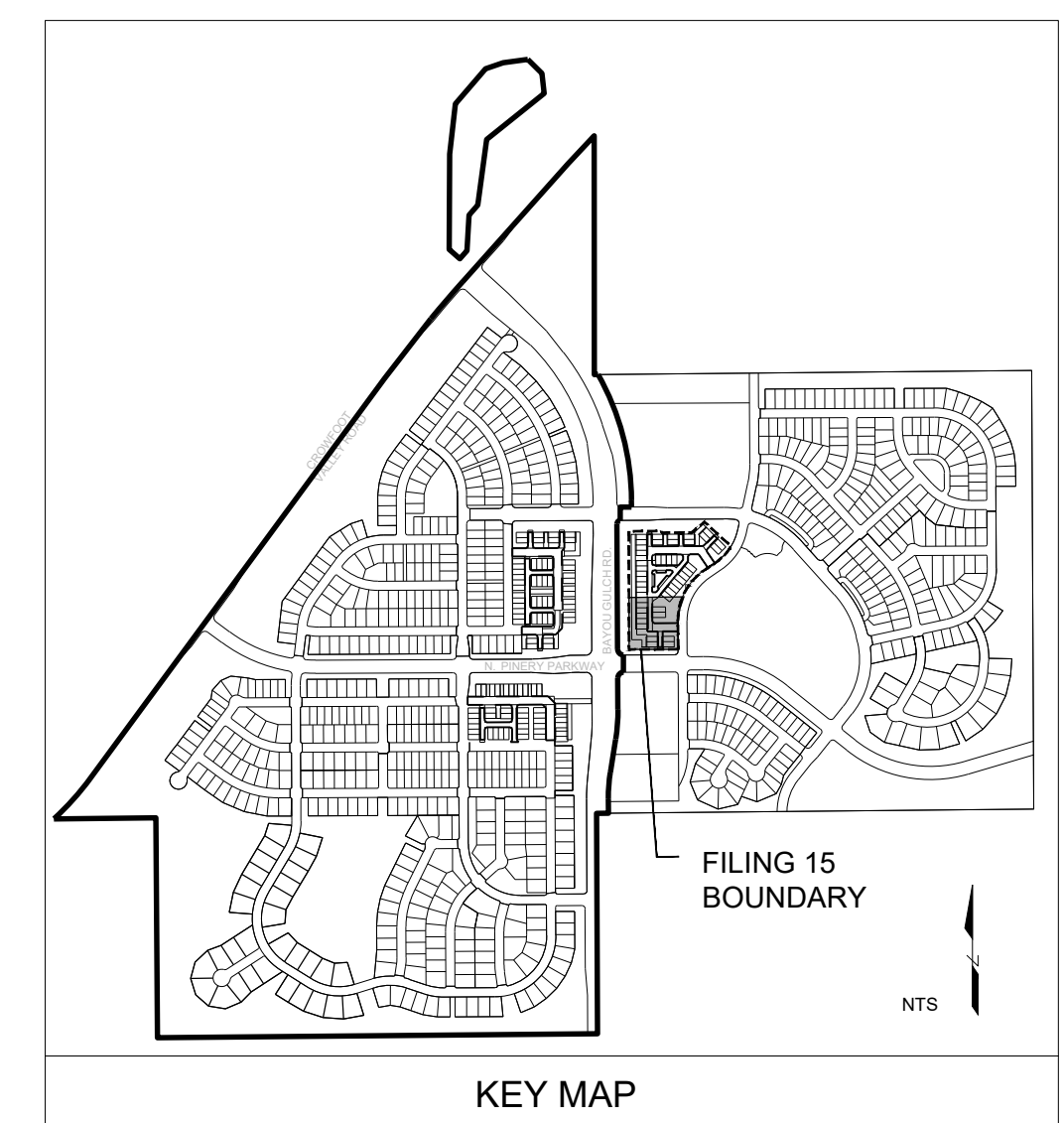
Sheet Number

L1.1

FILING 15 PLANT SCHEDULE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE
AE	4	ACER PLATANOIDES 'EMERALD QUEEN'	EMERALD QUEEN MAPLE	B & B	2.5' CAL
AS	2	ACER PLATANOIDES 'SCHWEDLERI'	SCHWEDLER MAPLE	B & B	2.5' CAL
HAC	8	CELTIS OCCIDENTALIS	COMMON HACKBERRY	B & B	2.5' CAL
GI	4	GLEDITSIA TRIACANTHOS 'IMPERIAL'	IMPERIAL HONEYLOCUST	B & B	2.5' CAL
OV	2	OSTRYA VIRGINIANA	AMERICAN HORNBEE	B & B	2.5' CAL
QB	16	QUERCUS BICOLOR	SWAMP WHITE OAK	B & B	2.5' CAL
TG2	12	TILIA CORDATA 'GLENLEVEN'	GLENLEVEN LITTLELEAF LINDEN	B & B	2.5' CAL
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE
PSP	19	PINUS FLEXILIS	LIMBER PINE	B & B	6'-8" HT
PN	10	PINUS NIGRA	AUSTRIAN BLACK PINE	B & B	6'-8" HT
PPI	20	PINUS PONDEROSA	PONDEROSA PINE	B & B	6'-8" HT
ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL / SIZE
AT	3	ALNUS TENUIFOLIA	THINLEAF ALDER	B & B	2' CAL
SC	14	MALUS X 'SPRING SNOW'	SPRING SNOW CRAB APPLE	B & B	2' CAL
ANNUALS/PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
AHC	76	AGASTACHE X 'CORANADO RED'	ANISE HYSSOP	1 GAL	2.5' X 3'
EP	165	ECHINACEA PURPUREA	PURPLE CONEFLOWER	1 GAL	2' X 2'
BES	25	RUBRICKIA FULGIDA SULLIVANTII 'GOLDSTURM'	BLACK-EYED SUSAN	1 GAL	1.5' X 1.5'
SP	43	SCABIOSA CAUCASICA 'PERFECTA BLUE'	PINCUSHION FLOWER	1 GAL	2.5' X 1.5'
DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
SSB	6	AMELANCHIER ALNIFOLIA 'REGENT'	SASKATOON SERVICEBERRY	5 GAL	12' X 8'
AG	28	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	'AUTUMN BRILLIANCE' SERVICEBERRY	5 GAL	15' X 10'
CD	85	CARYOPTERIS X CLANDONENSIS 'DARK KNIGHT'	BLUE MIST SHRUB	5 GAL	2'-3'
CI	83	CERCOCARPUS INTRICATUS	LITTLE LEAF MOUNTAIN MAHOGANY	5 GAL	5' X 5'
CB	13	CORNUS SERICEA 'BAILEY'	RED TWIG DOGWOOD	5 GAL	8' X 8'
CD2	6	COTONEASTER DIVARICATUS	SPREADING COTONEASTER	5 GAL	6' X 6'
CH	21	COTONEASTER HORIZONTALIS	ROCK COTONEASTER	5 GAL	3' X 5'
PS2	82	PENSTEMON STRICTUS	ROCKY MOUNTAIN PENSTEMON	5 GAL	2' X 3'
PJ	5	POTENTILLA FRUTICOSA 'JACKMANII'	JACKMAN'S POTENTILLA	5 GAL	3' X 4'
SCH	51	PRUNUS BESSEYI 'PAWNEE BUTTES'	PAWNEE BUTTES SAND CHERRY	5 GAL	18' X 6'
RHU	10	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	5 GAL	3' X 6'
RT	5	RHUS TRILOBATA	THREE LEAF SUMAC	5 GAL	4' X 5'
SP2	5	SALIX PURPUREA 'NANA'	DWARF ARCTIC WILLOW	5 GAL	8' X 8'
EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
AC	3	ARCTOSTAPHYLOS X COLORADOENSIS 'CHIEFTAIN'	MANZANITA	5 GAL	2' X 5'
CSM	69	CYTISUS SCOPARIUS 'MOONLIGHT'	MOONLIGHT BROOM	5 GAL	3' X 5'
EC	26	EUONYMUS FORTUNEI 'COLORATA'	PURPLE-LEAF WINTER CREEPER	5 GAL	2' X 5'
JB	19	JUNIPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP JUNIPER	5 GAL	8' X 7'
JH	11	JUNIPERUS HORIZONTALIS 'HUGHES'	HUGHES JUNIPER	5 GAL	1.5' X 6'
BUJ	36	JUNIPERUS SABINA 'BUFFALO'	BUFFALO JUNIPER	5 GAL	2' X 6'
PS	60	PINUS MUGO 'SLOWMOUND'	MUGO PINE	5 GAL	2.5' X 5'
ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME	CONT	HT X SPD
CK	272	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	1 GAL	4.5' X 2'
MG	124	MISCANTHUS SINENSIS 'GRACILLIMUS'	MAIDEN GRASS	1 GAL	4' X 5'
MY	32	MISCANTHUS SINENSIS 'YAKU JIMA'	YAKU JIMA DWARF MAIDEN GRASS	1 GAL	3' X 3'
PH	14	PANICUM VIRGATUM 'HEAVY METAL'	BLUE SWITCH GRASS	1 GAL	5' X 3'
PH2	47	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN DWARF FOUNTAIN GRASS	5 GAL	
PB2	12	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	1 GAL	1' X 2'
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	45,848 SF	ENVIROTURF RE: LANDSCAPE NOTES/STREETSCAPE ONLY	ENVIROTURF	SOD	
	13,437 SF	ROCK MULCH GREY, 2" DIA. COBBLE 3" DEPTH, RE: LDSCP NOTES	ROCK MULCH GREY, 2" DIA. COBBLE	MULCH	
	1,664 SF	ROCK MULCH TAN, 2" DIA. COBBLE 3" DEPTH, RE: LDSCP NOTES	ROCK MULCH TAN, 2" DIA. COBBLE	MULCH	
	143,570 SF	SEED MIX 1 TOWN OF PARKER - SEED MIX 1, RE: LANDSCAPE NOTES	SEED MIX 1	SEED	

- NOTES:
- LANDSCAPE MATERIAL AND TREES IN TREE LAWNS ADJACENT TO LOTS ARE RESPONSIBILITY OF HOME BUILDER. STREET TREE LOCATIONS ARE NOT FINAL AND MAY CHANGE BASED UPON DRIVEWAY LOCATION.
 - NO FENCES OR STRUCTURES WILL BE ALLOWED WITHIN SIGHT TRIANGLES.
 - SHRUBS & PERENNIALS WITHIN SIGHT TRIANGLES WILL BE NO HIGHER THAN 2'.
 - MAILBOX CLUSTER LOCATIONS ARE CONCEPTUAL ONLY. FINAL LOCATIONS TO BE DETERMINED BY POSTMASTER.
 - ALL FENCING TO BE INSTALLED AS PART OF FILING 1 OR 9.



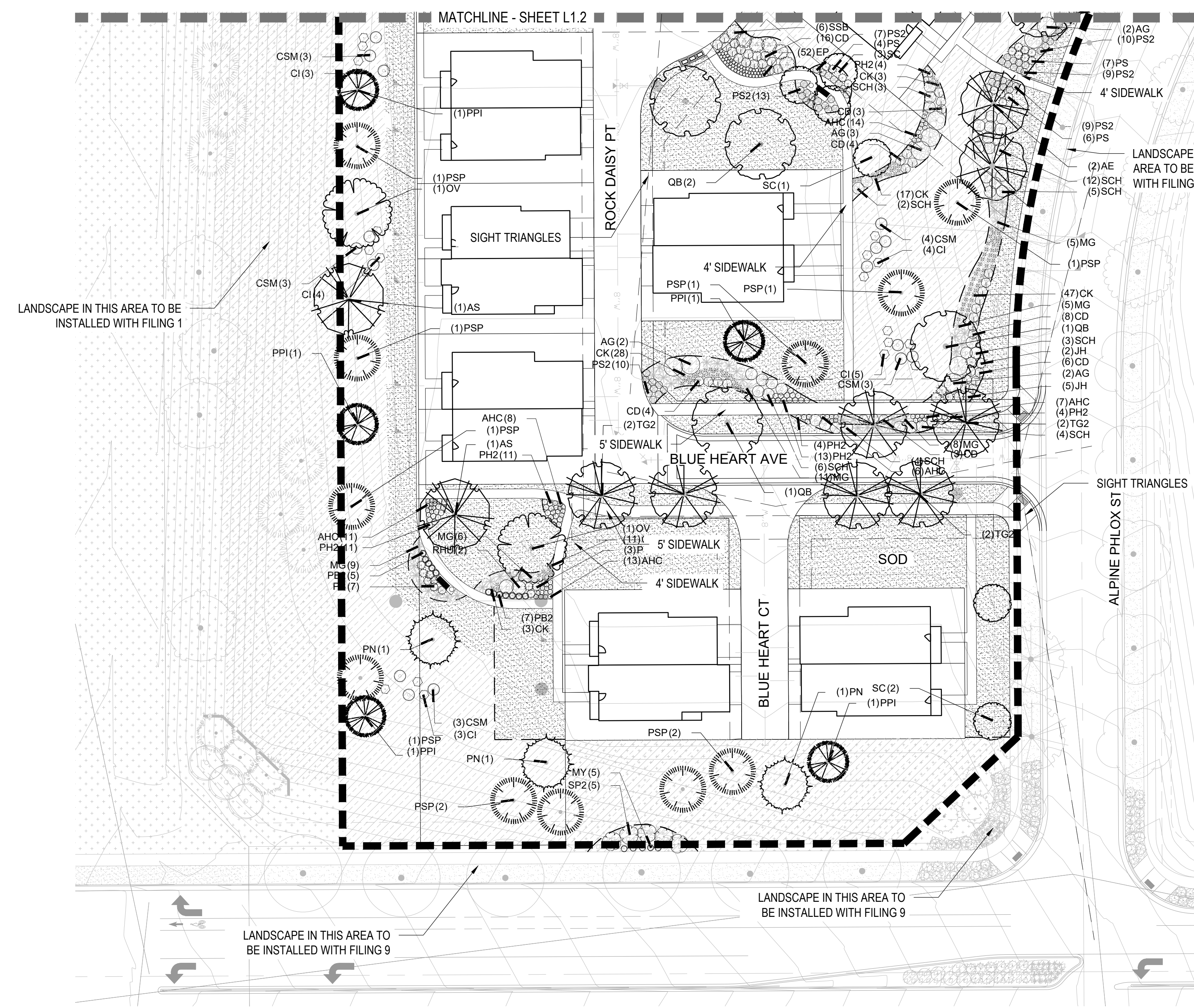
Drawn by: BEM, GG, JWD
Checked by: PCS STAFF
Submittal Date: 06.20.2018



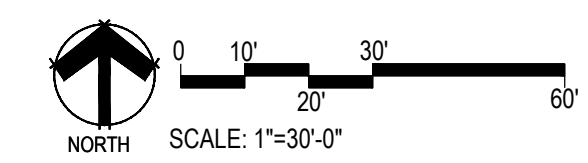
Sheet Name
LANDSCAPE PLAN

Sheet Number

L1.2



1 LANDSCAPE PLAN-FILING 15
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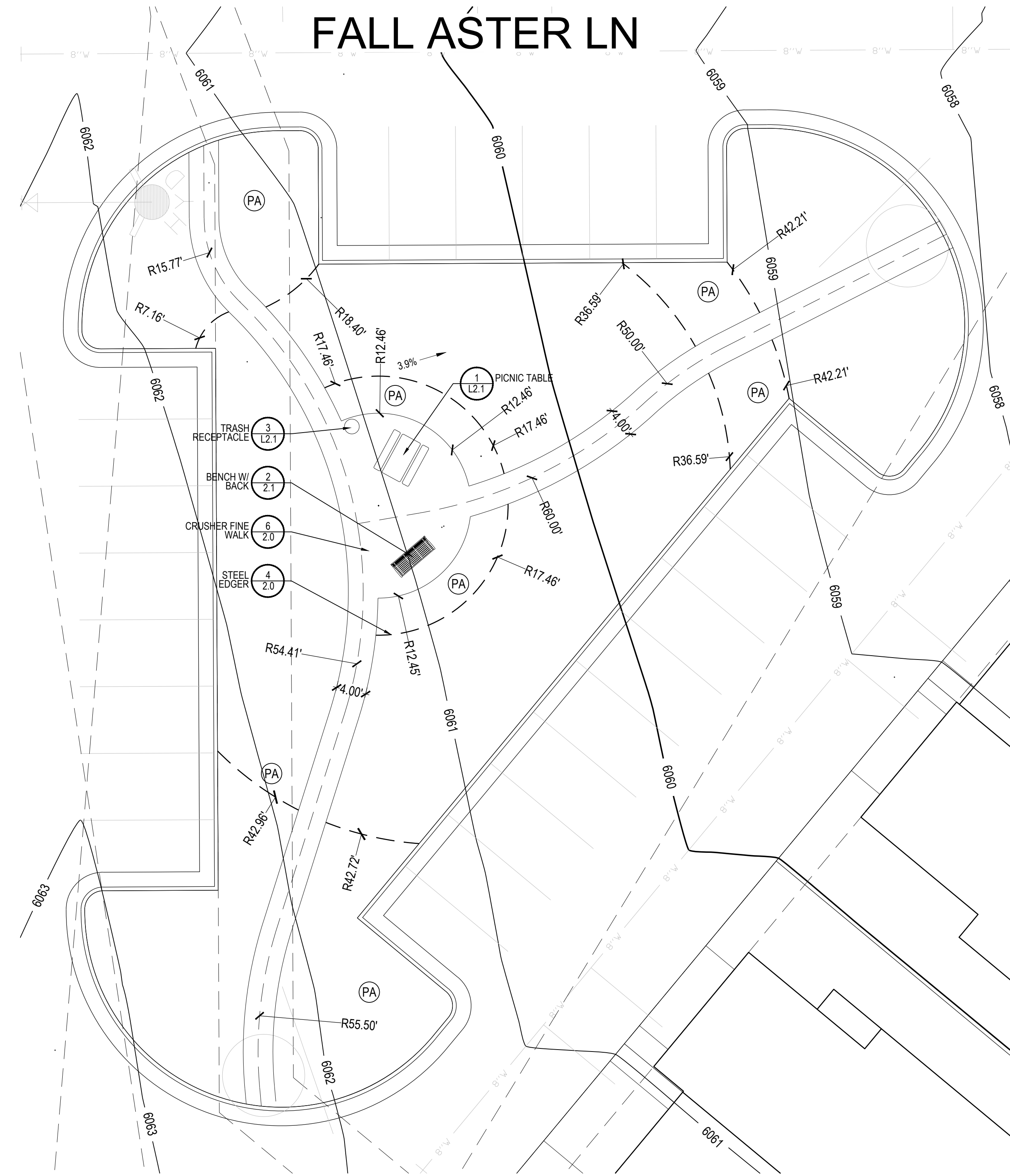
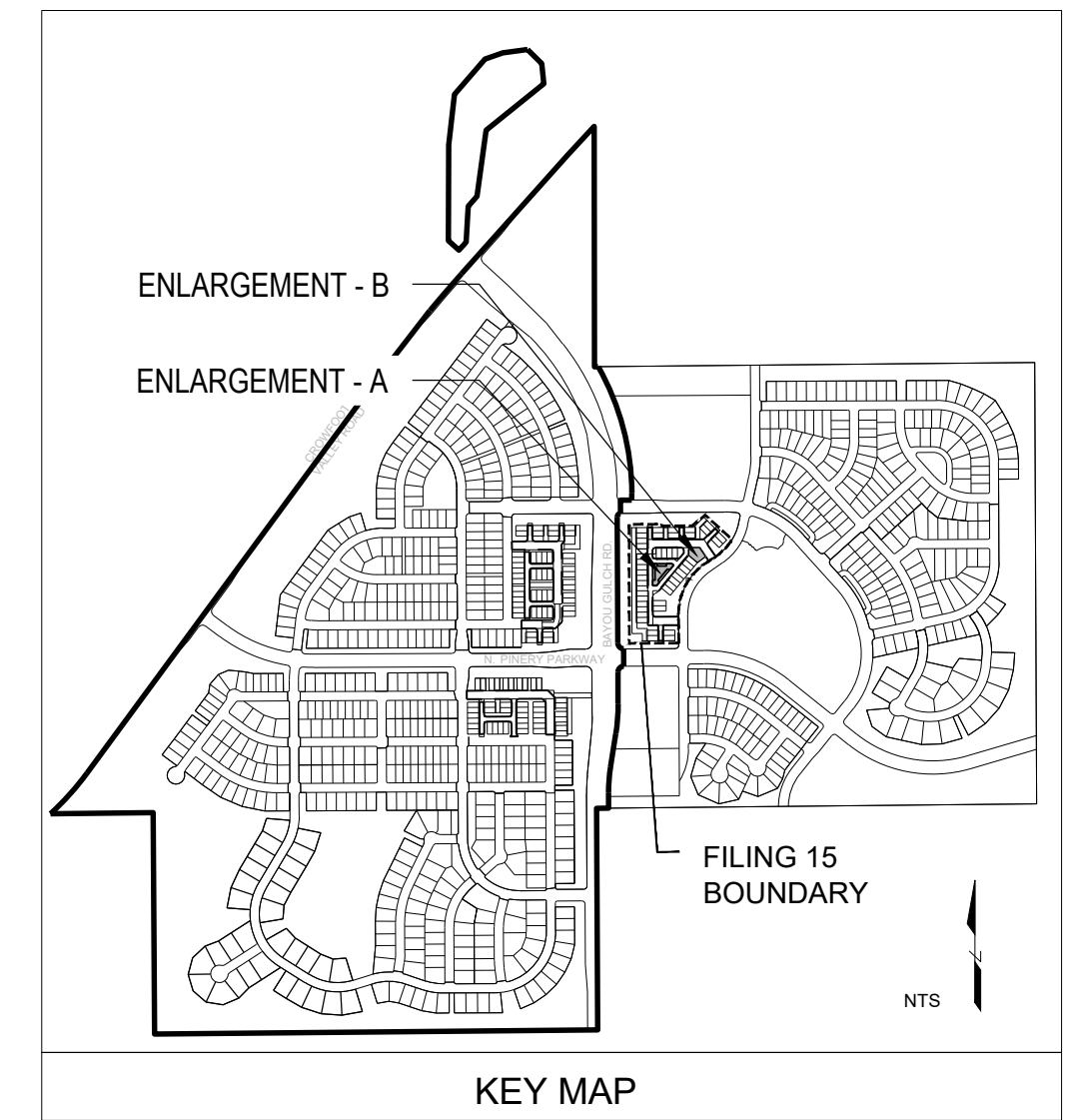
LAYOUT NOTES

- REFER TO CIVIL ENGINEER DRAWINGS/DATA SETS FOR PROJECT BENCHMARK AND BASIS OF BEARING.
- SITE LAYOUT DATA INCLUDING COORDINATE POINTS ARE DERIVED FROM CIVIL ENGINEERING CONSULTANT. CONTACT CIVIL ENGINEER REGARDING ANY DISCREPANCIES OR CLARIFICATIONS REGARDING COORDINATE SYSTEMS, SURVEY MARKERS OR OTHER HORIZONTAL CONTROL DATA.
- UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO THE FOLLOWING: CENTERLINES, EDGE OF PAVING, CENTERS OF COLUMNS/POSTS.
- ALL EDGES OF PAVEMENT ARE TO BE STRAIGHT OR OF CONSISTENT RADIUS, IN THE CASE OF CURVES, AS SHOWN HEREON; NO UNSPECIFIED TANGENTS OR KINKS WILL BE APPROVED.
- ALL CONSTRUCTION LAYOUT STAKING IS TO BE PERFORMED BY A LAND SURVEYOR OR PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF COLORADO, TO FACILITATE ACCURACY IN CONSTRUCTION STAKING. UPON WRITTEN REQUEST FROM CONTRACTOR, A CD CONTAINING THE ELECTRONIC DATA COMPRISING THESE SITE DEVELOPMENT DRAWINGS WILL BE FORWARDED FROM THE LANDSCAPE ARCHITECT TO THE LAND SURVEYOR OR PROFESSIONAL ENGINEER EMPLOYED TO PERFORM CONSTRUCTION STAKING.
- IN ORDER TO MAINTAIN THE INTEGRITY OF THE HORIZONTAL AND VERTICAL CONTROL FOR THE SITE, THE SURVEYOR OR PROFESSIONAL ENGINEER EMPLOYED BY THE CONTRACTOR TO PERFORM CONSTRUCTION LAYOUT STAKING SHALL SET AND PROTECT ADDITIONAL TRAVERSE POINTS OUTSIDE THE AREAS OF CONSTRUCTION ACTIVITY.

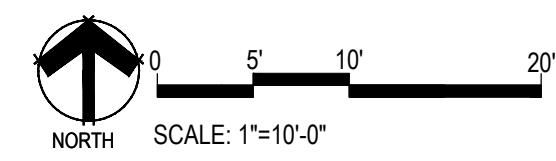
GRADING KEYNOTES:

LEGEND

- (PA) PLANTING AREA
- 6050 PROPOSED CONTOUR - MAJOR
- 6049 PROPOSED CONTOUR - MINOR
- HP HIGH POINT

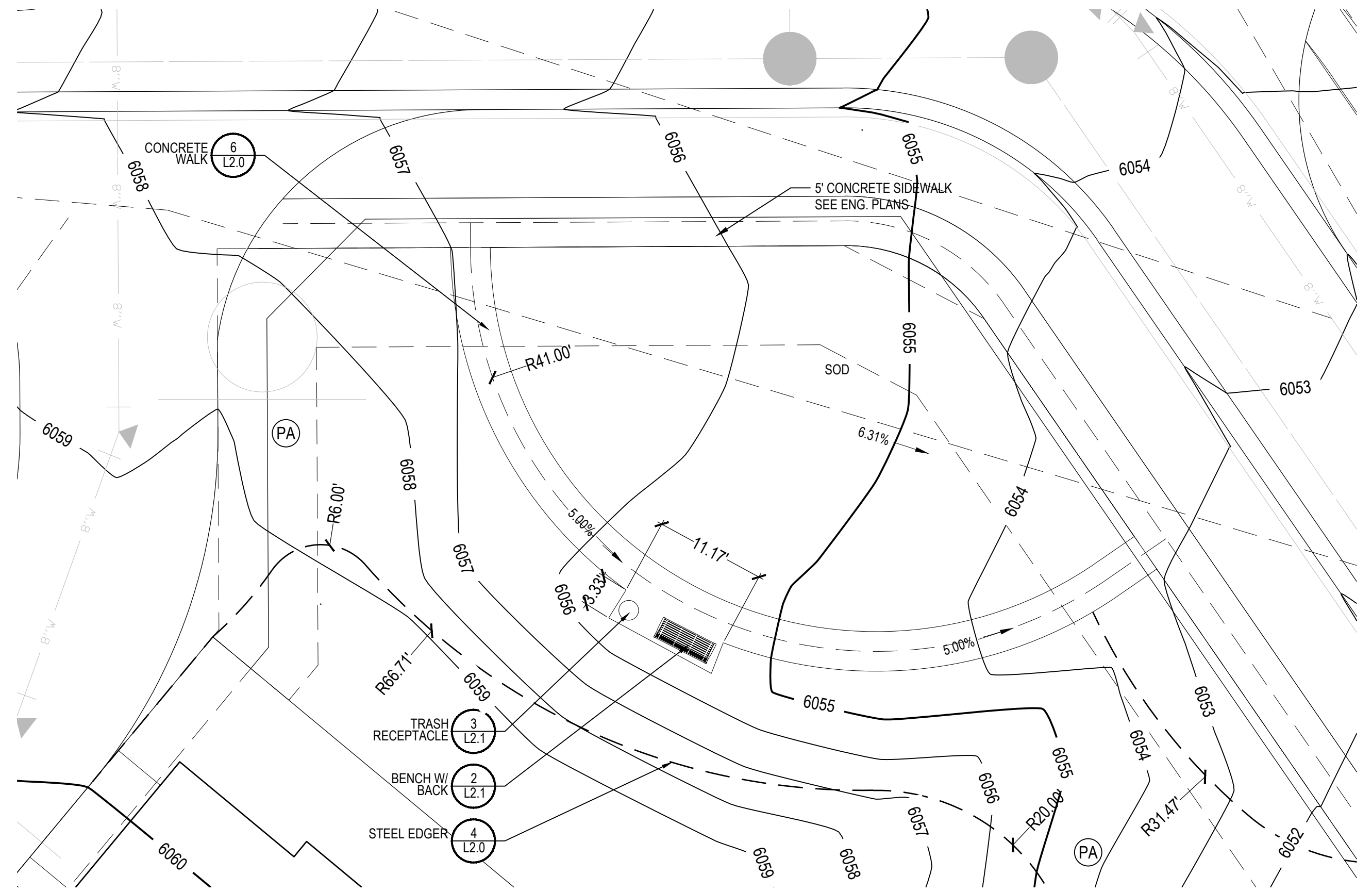


1 LAYOUT, GRADING & MATERIAL ENLARGEMENT - A
SCALE: 1"=10'-0"

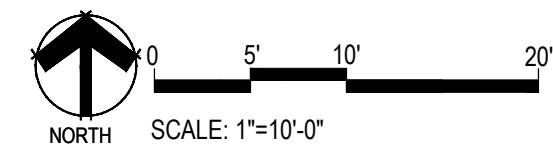


LANDSCAPE GRADING NOTES

- SLOPES NOT TO EXCEED 4:1 MAX. - 1% MIN.
- SATISFACTORY SOILS: ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUP SYMBOLS; FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES (75 MM) IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
- STRIP TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED IN A MANNER TO PREVENT INTERMINGLING WITH UNDERLYING SUBSOIL OR OTHER WASTE MATERIALS.
- STRIP EXISTING SURFACES OF UNSUITABLE TOPSOIL, INCLUDING TRASH, DEBRIS, WEEDS, ROOTS, AND OTHER WASTE MATERIALS.
- STOCKPILE TOPSOIL MATERIALS ON-SITE WITHOUT INTERMINGLING WITH SUBSOIL.
- REMOVE EXISTING VEGETATION, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE BEFORE PLACING FILLS.
- PLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL.
- PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED CROSS-SECTIONS, ELEVATIONS AND GRADES WITH SATISFACTORY SOIL MATERIAL.
- UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED.
- PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
- CUT OUT SOFT SPOTS, FILL LOW SPOTS AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES.
- SITE GRADING: SLOPE GRADES TO DIRECT WATER AWAY FROM ADJACENT STRUCTURES AND TO PREVENT PONDING. FINISH SUBGRADES TO REQUIRED ELEVATIONS WITHIN THE FOLLOWING TOLERANCES:
 - A. AT LOCATIONS DESIGNATED FOR LAWN OR UNPAVED AREAS: PLUS OR MINUS 1 INCH (25 MM).
 - B. AT DESIGNATED PAVEMENT LOCATIONS: PLUS OR MINUS 1/2 INCH (13 MM).
- GRADING ON SLOPES: INSTALL EROSION STABILIZATION FABRIC PER MANUFACTURERS RECOMMENDATIONS ON SLOPED SURFACES EQUAL TO OR GREATER THAN A RATIO OF 1) VERTICAL FOOT TO 3) HORIZONTAL FEET.
- CONTRACTOR WILL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY-CONTROL TESTING.
- PROTECT NEWLY GRADED AREAS FROM TRAFFIC, FREEZING, AND EROSION. KEEP FREE OF TRASH AND DEBRIS.
- REPAIR AND REESTABLISH GRADES TO SPECIFIED TOLERANCES WHERE COMPLETED OR PARTIALLY COMPLETED SURFACES BECOME ERODED, RUTTED, SETTLED, OR WHERE THEY LOSE COMPACTION DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS OR WEATHER CONDITIONS.
- WHERE SETTLING OCCURS BEFORE PROJECT CORRECTION PERIOD ELAPSES, REMOVE FINISHED SURFACE GRADING, BACKFILL WITH ADDITIONAL SOIL MATERIAL, COMPACT, AND RECONSTRUCT SURFACE GRADING.
- TRANSPORT SURPLUS SATISFACTORY SOIL TO DESIGNATED STORAGE AREAS ON OWNER'S PROPERTY. STOCKPILE OR SPREAD SOIL AS DIRECTED BY OWNER.



2 LAYOUT, GRADING & MATERIAL ENLARGEMENT - B
SCALE: 1"=10'-0"



Y:\HESSE RANCH\LANDSCAPE ARCHITECTURE\CURRENT DWGS\HESSE-LDSCP PLANS - FILING-15_CDS.DWG
Wednesday, June 06, 2018

Prepared For: ESX MANAGEMENT
7353 SOUTH ALTON WAY
CENTENNIAL, CO 80112

Land Planning
people creating spaces
pcs group inc. www.pcsgroupco.com
43.5-180 Independence plaza
1007 16th street, denver, co 80265
1 303.531.4905 . f 303.531.4908

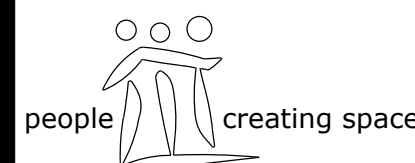
Engineering
CVL
CONSULTANTS
10333 E. DRY CREEK RD. #240
ENGLEWOOD, CO 80112
720-482-9526

TRAILS AT CROWFOOT FILING 15 LANDSCAPE PLANS PARKER, COLORADO

Drawn by: BEM, GG, JWD
Checked by: PCS STAFF
Submittal Date: 06.20.2018
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Sheet Name: LAYOUT, GRADING & MATERIAL ENLARGEMENTS

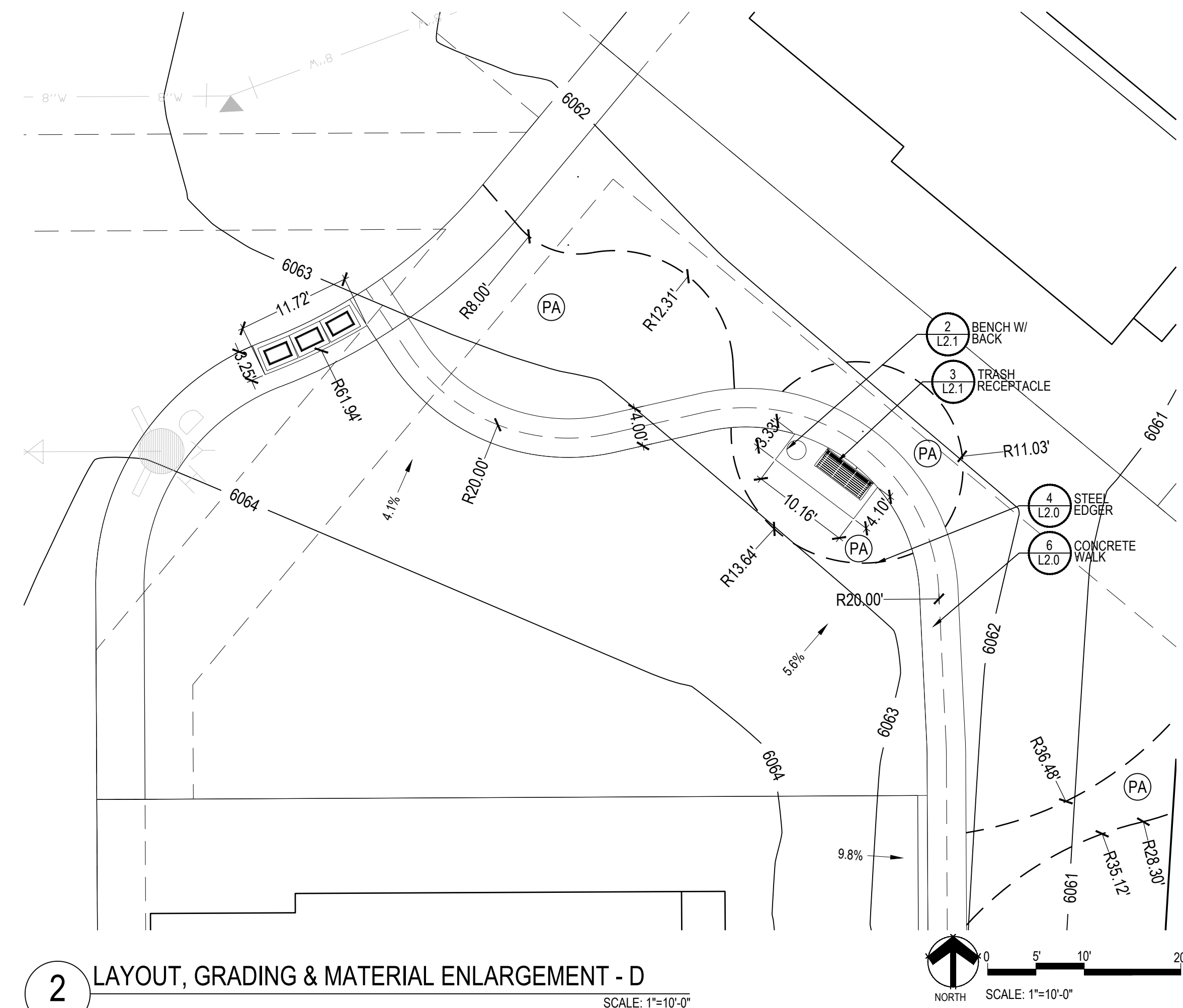
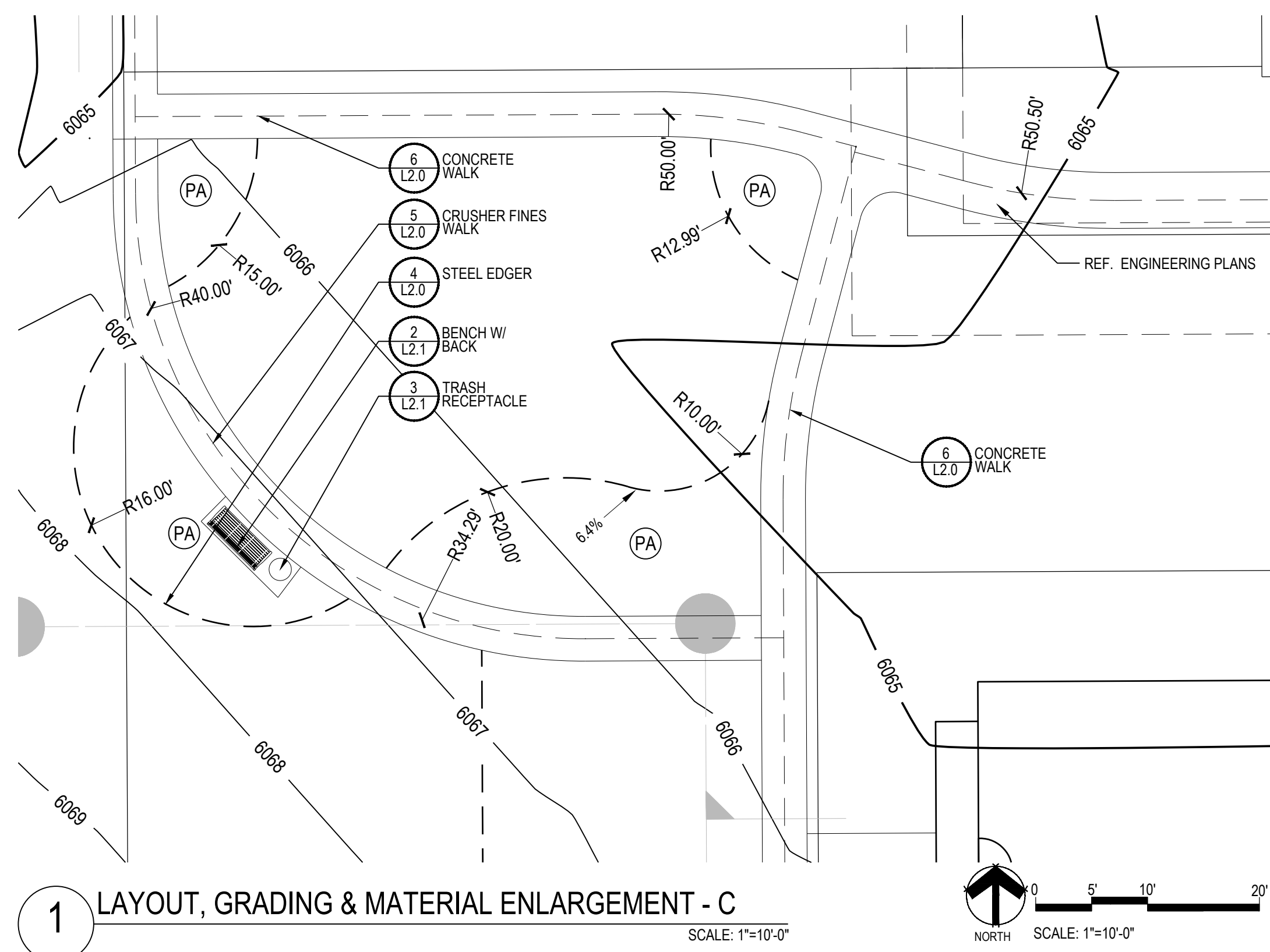
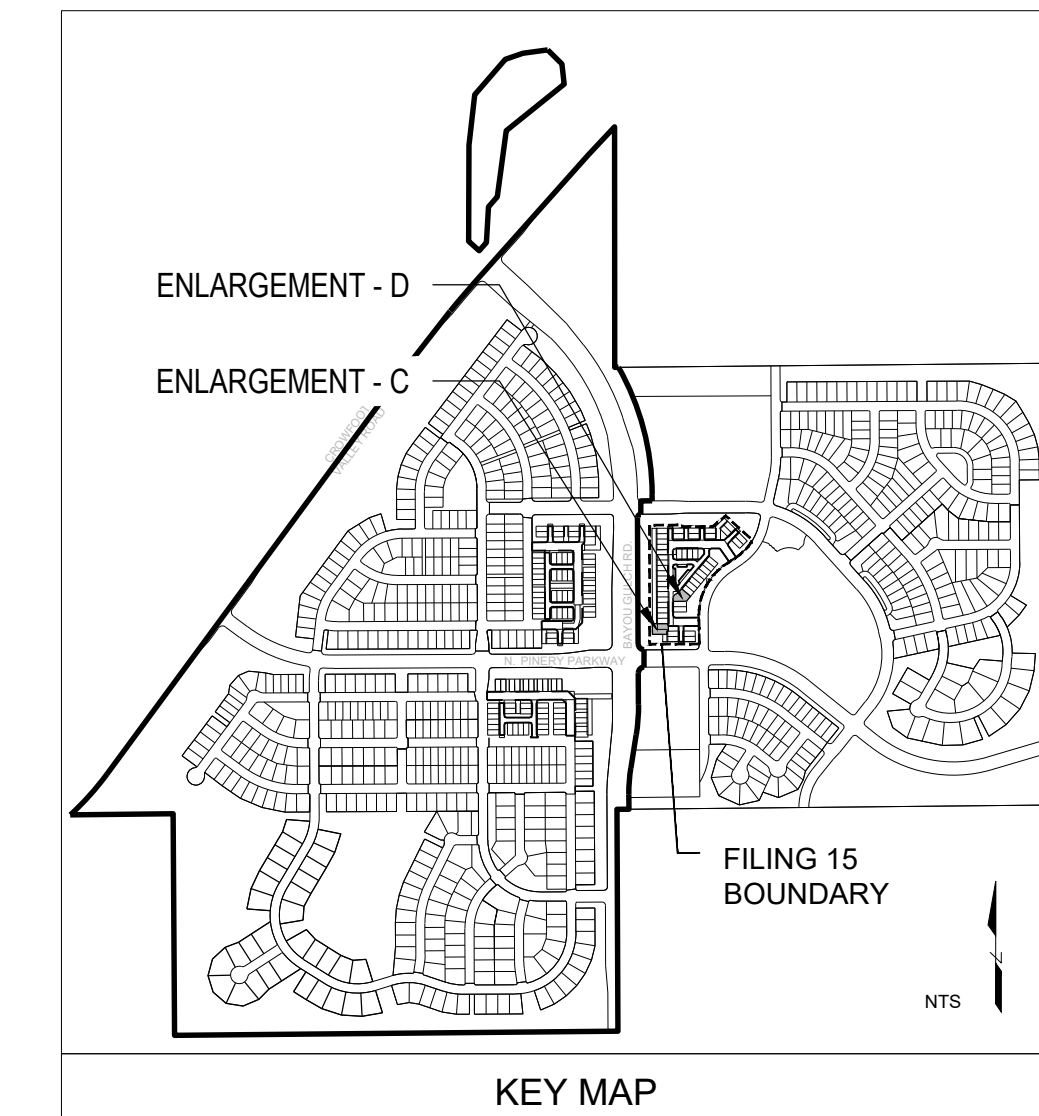
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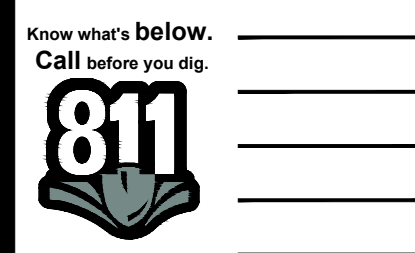
LEGEND

- (PA) PLANTING AREA
- 6050 PROPOSED CONTOUR - MAJOR
- 6049 PROPOSED CONTOUR - MINOR
- HP HIGH POINT



TRAILS AT CROWFOOT FILING 15 LANDSCAPE PLANS PARKER, COLORADO

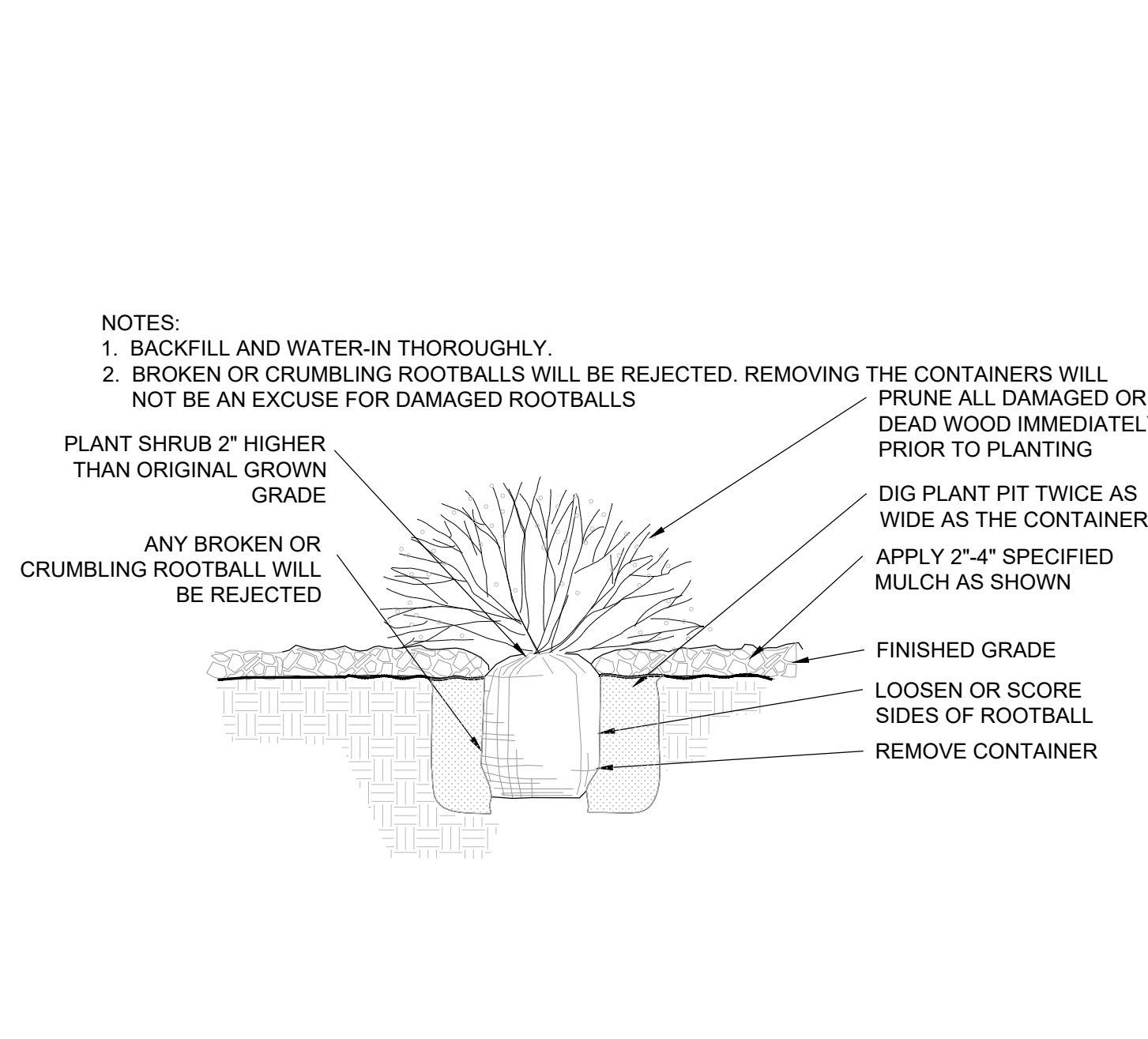
Drawn by: BEM, GG, JWD
 Checked by: PCS STAFF
 Submittal Date: 06.20.2018



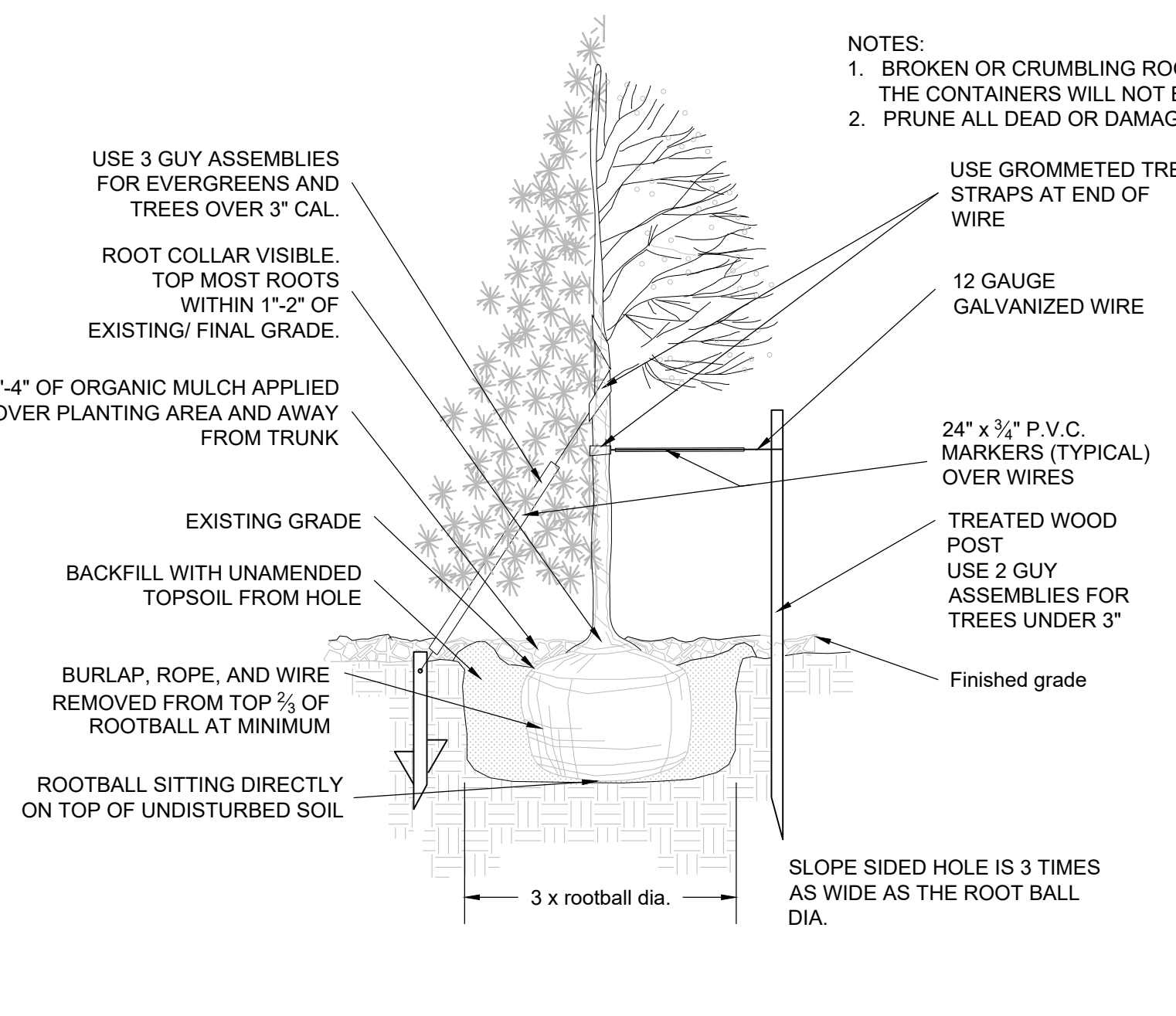
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LAYOUT, GRADING &
MATERIAL ENLARGEMENTS

Sheet Number

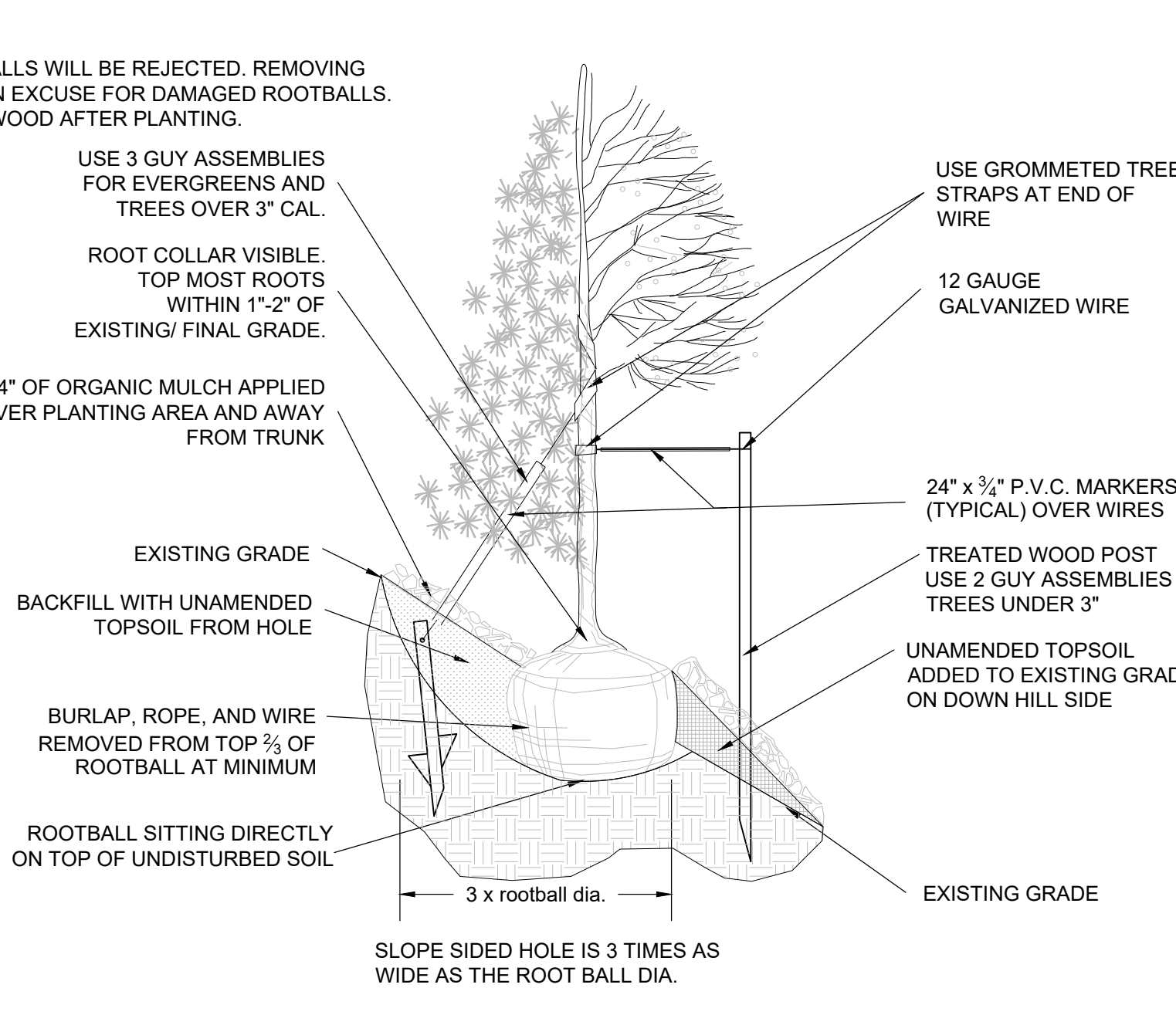
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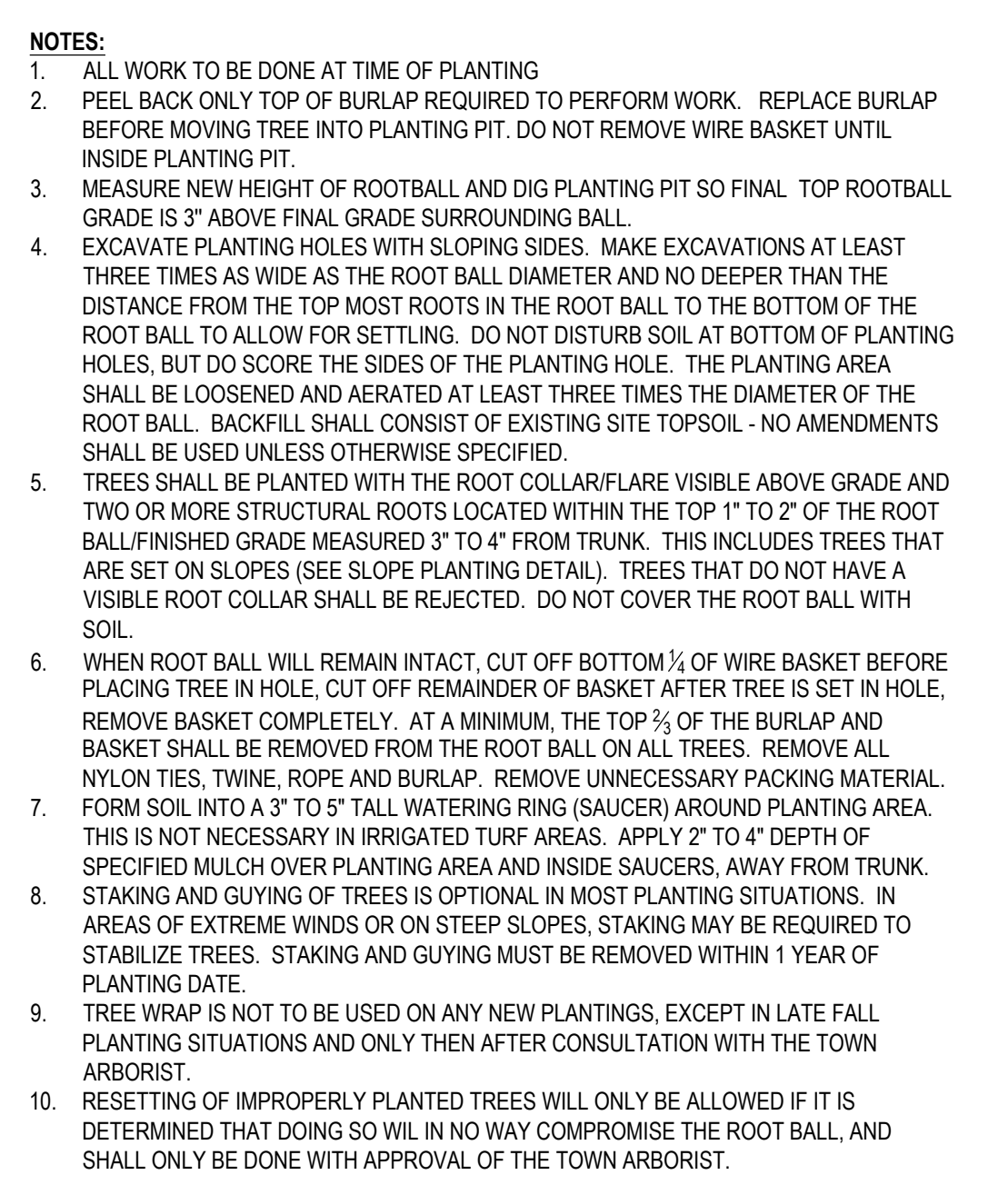
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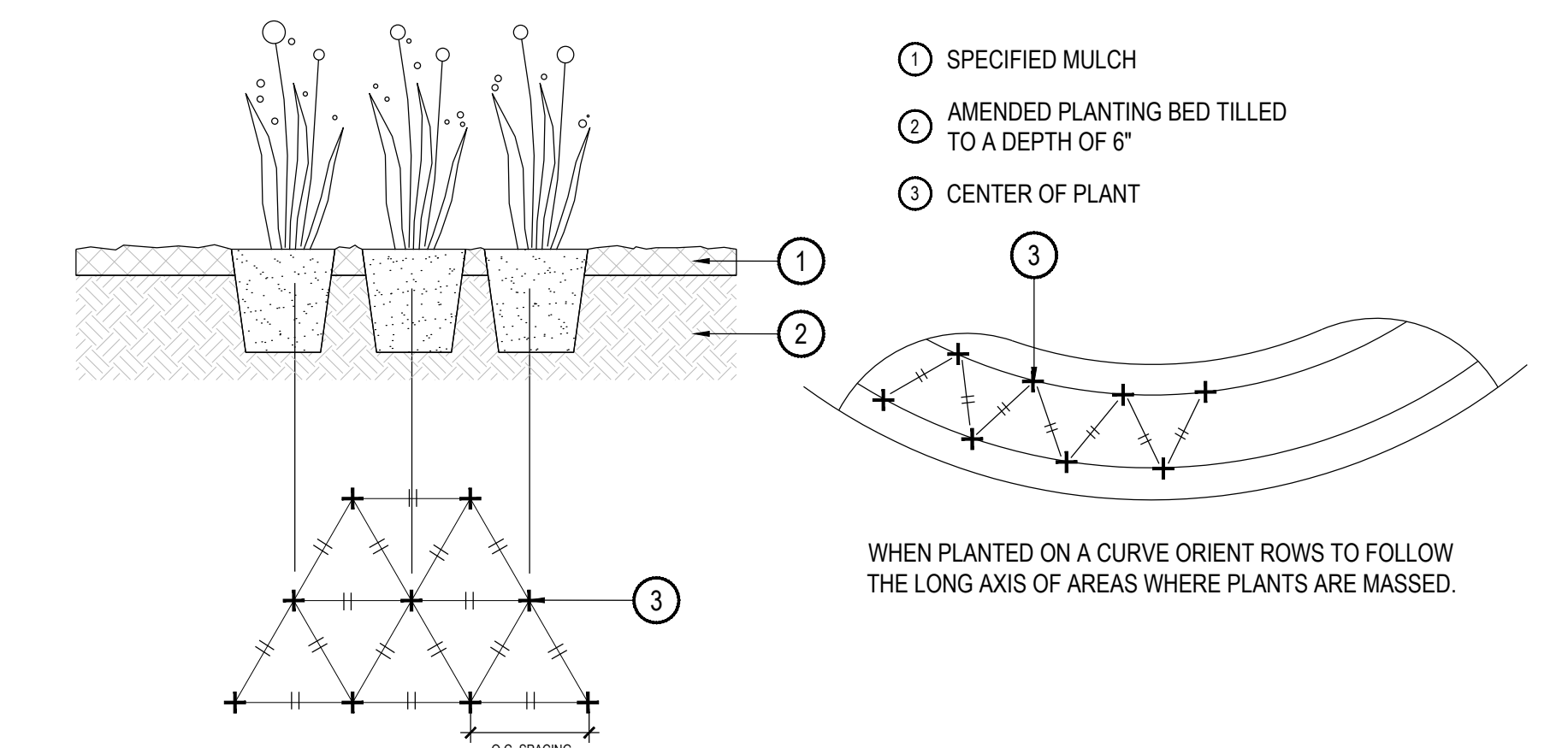
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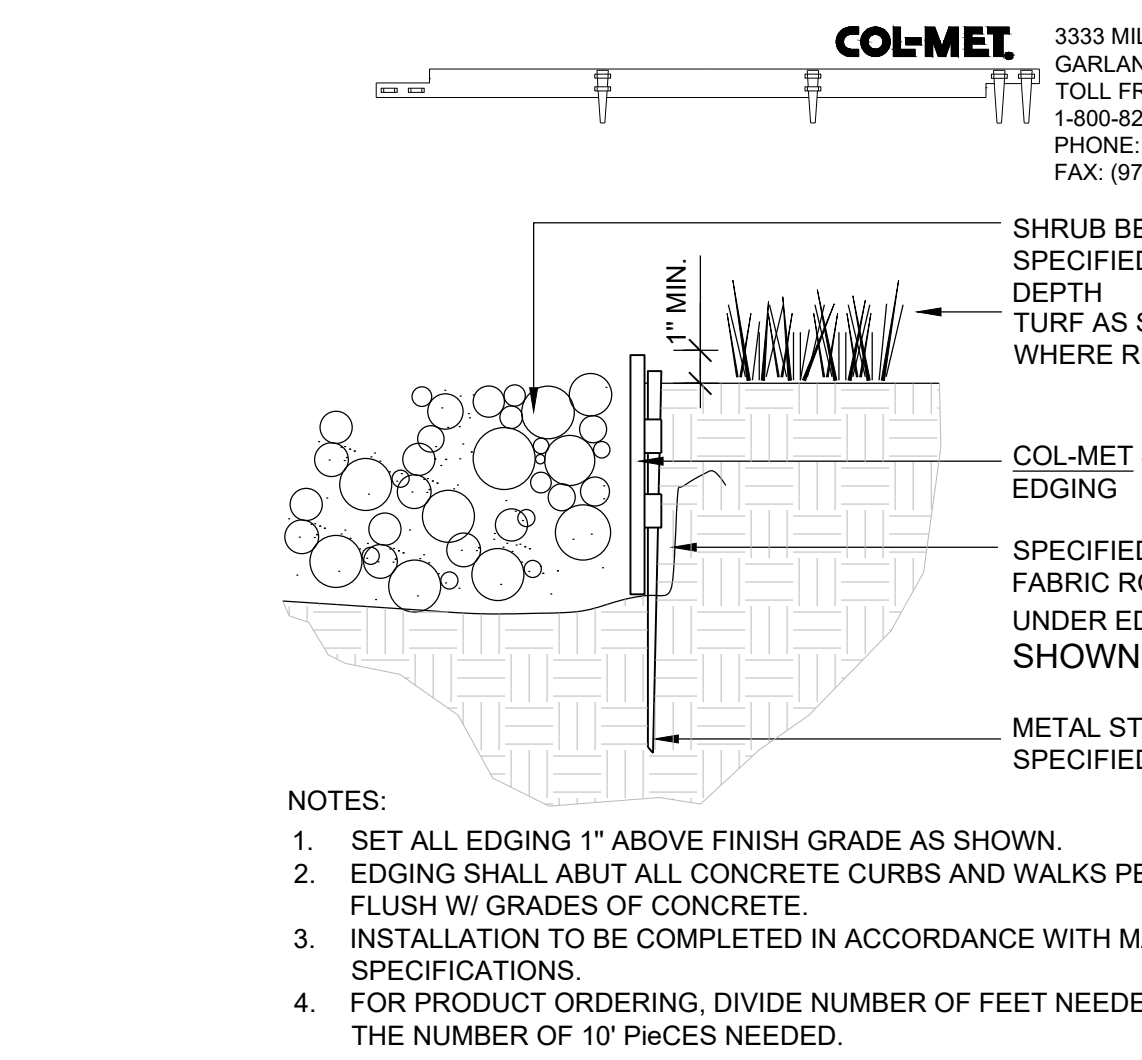
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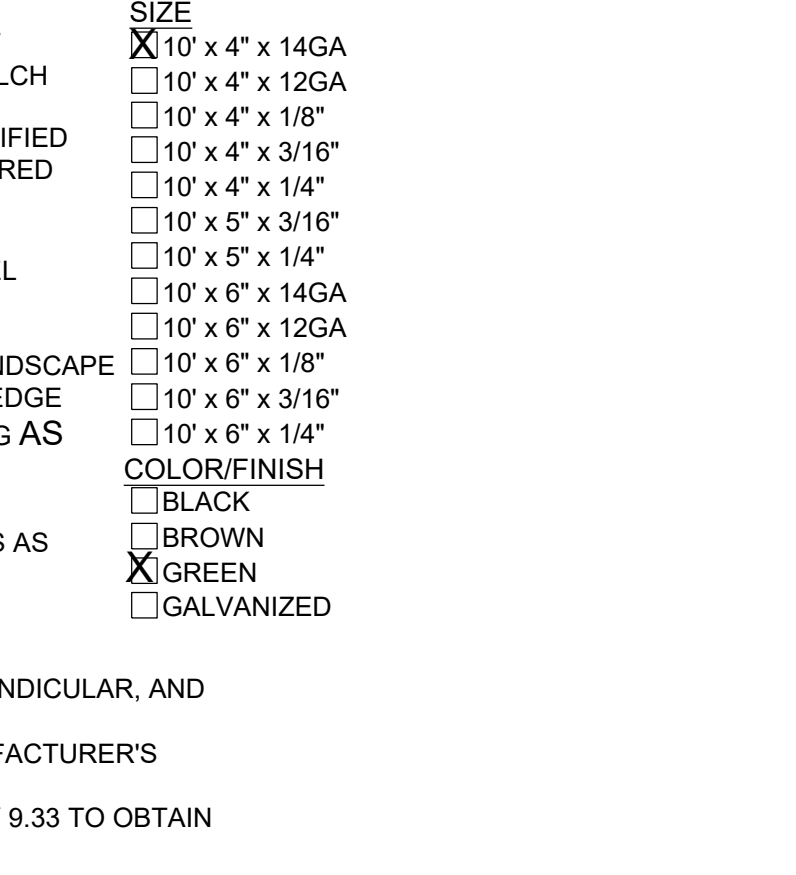
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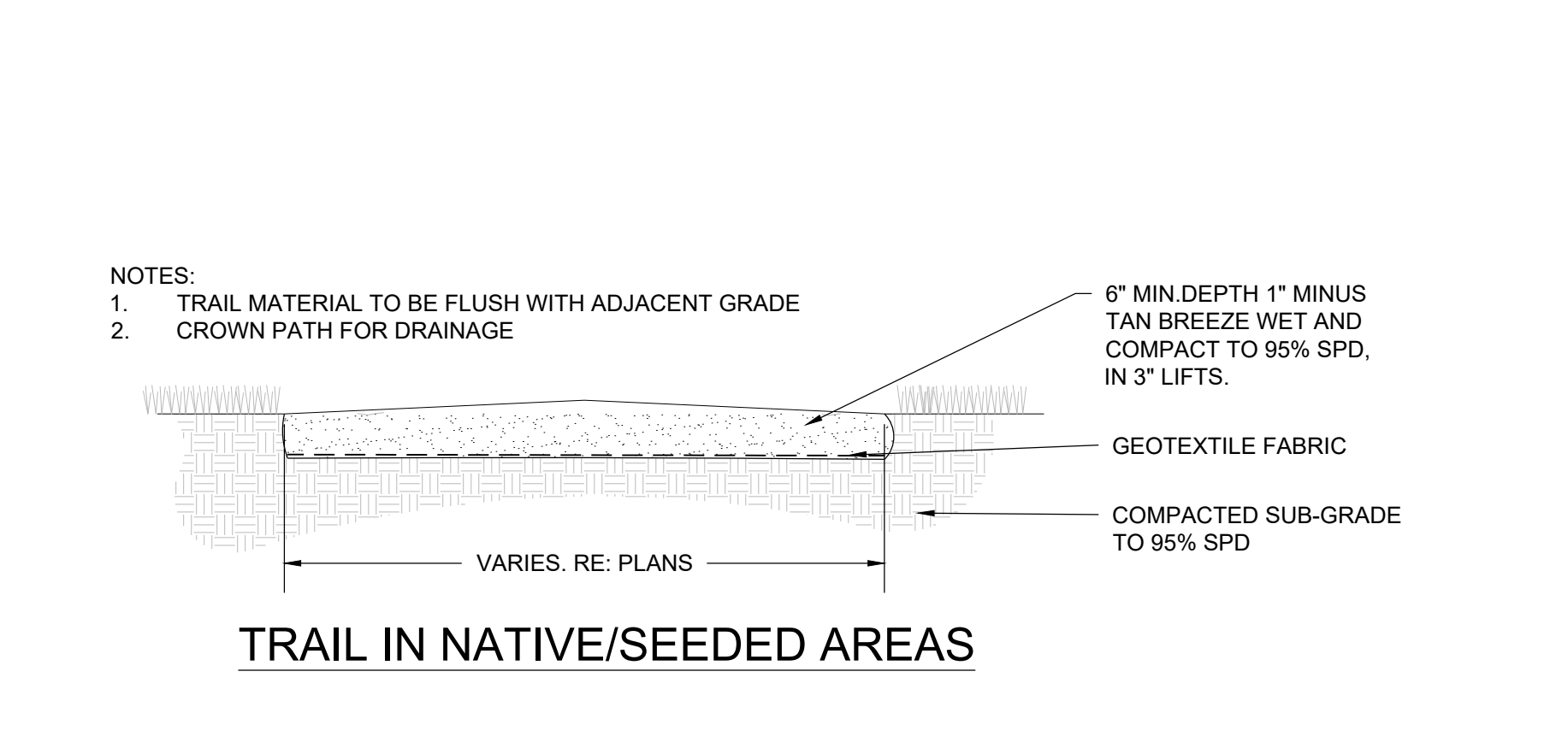
3 PERENNIAL OR GRASS PLANTING
NOT TO SCALE



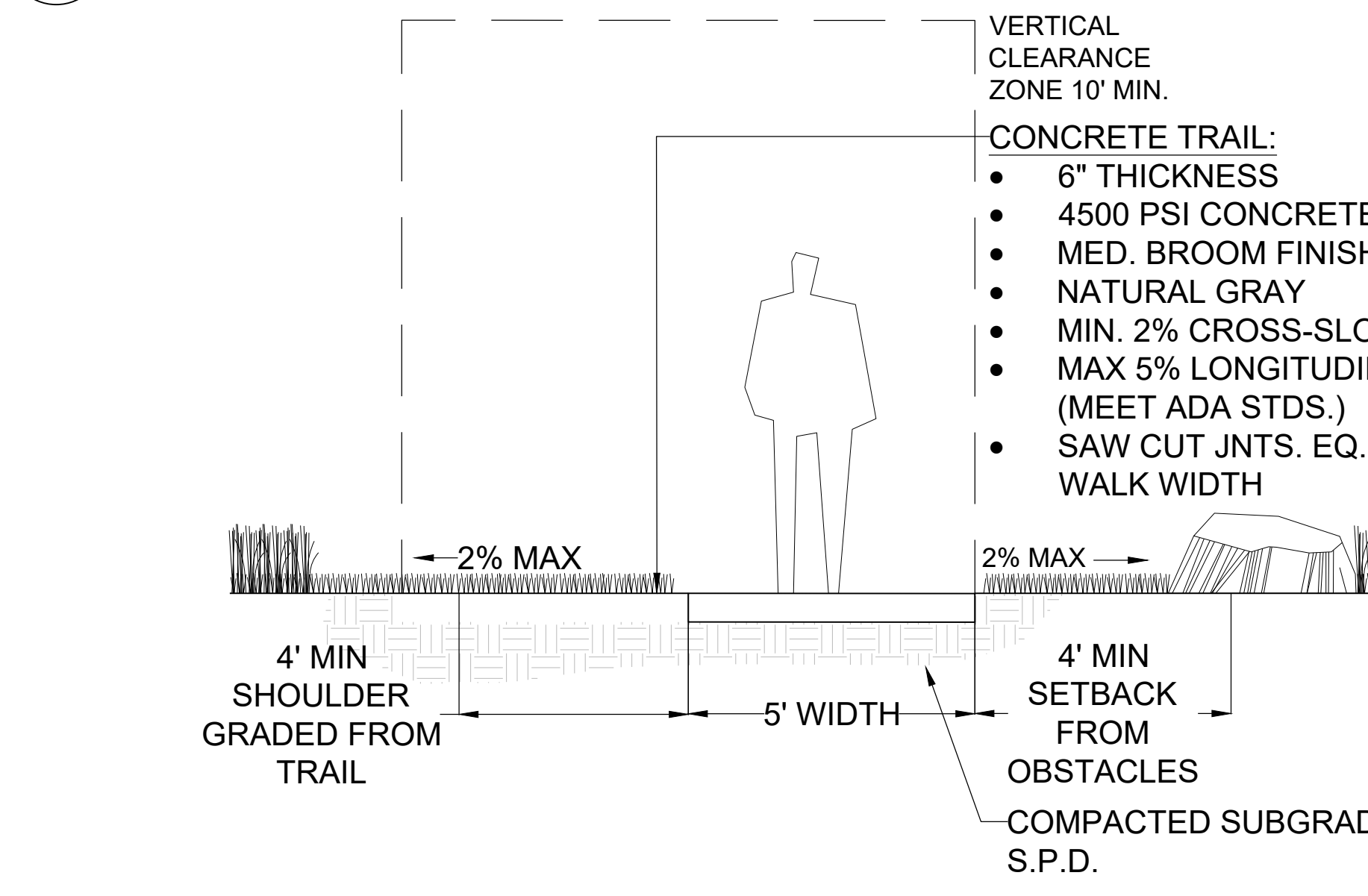
4 STEEL EDGER
NOT TO SCALE



5 CRUSHER FINES WALK
NOT TO SCALE



5 CRUSHER FINES WALK
NOT TO SCALE



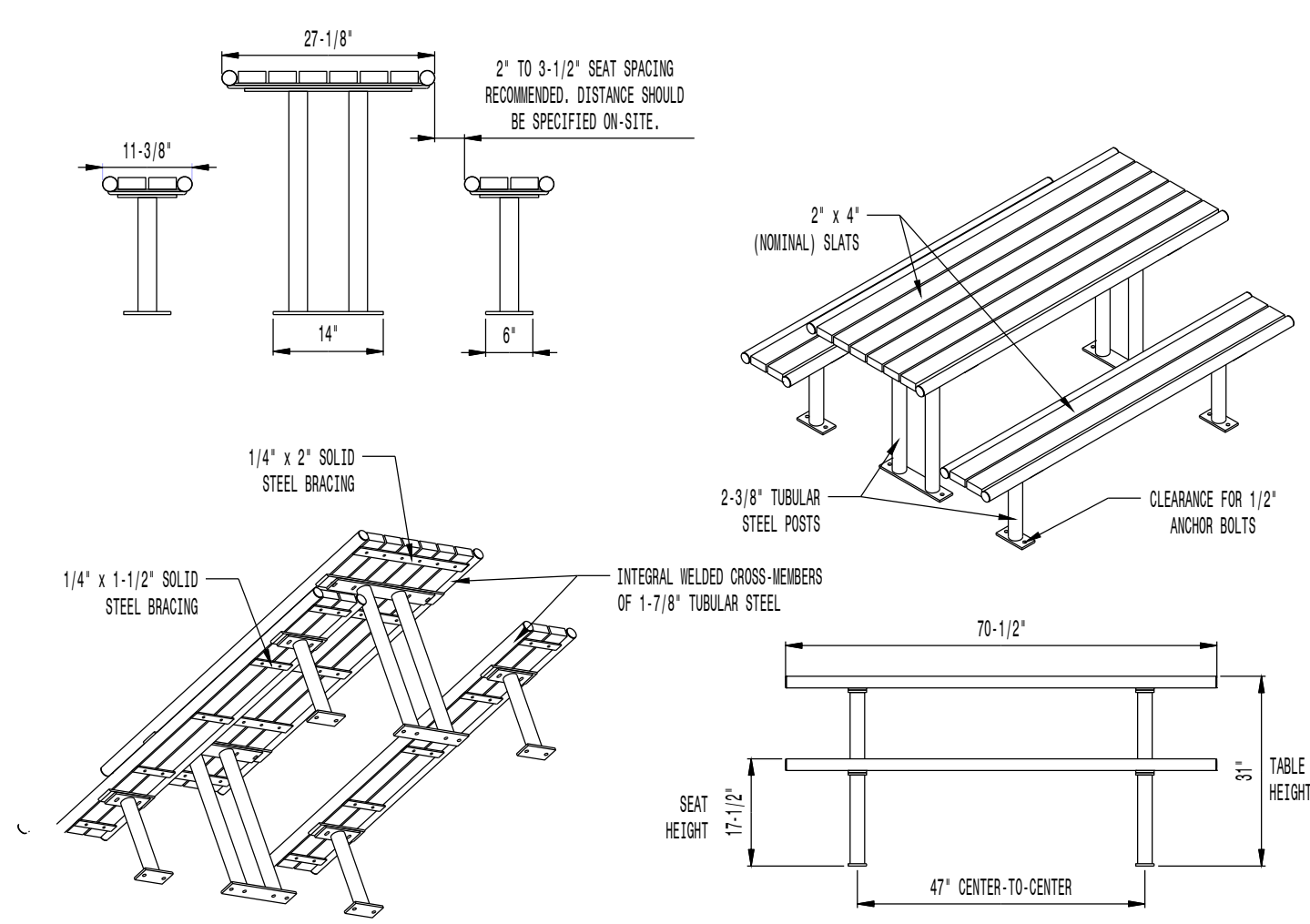
6 CONCRETE WALK
NOT TO SCALE

Y:\HSS_RANCH\LANDSCAPE_ARCHITECTURE\CURRENT DWGS\HSS-LDSCP PLANS - FLUNG-15_CDS.DWG
Wednesday, June 06, 2018

Drawn by: BEM, GG, JWD
Checked by: PCS STAFF
Submittal Date: 06.20.2018
Know what's below.
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Sheet Name
SITE & LANDSCAPE
DETAILS

Sheet Number
L2.0



AVAILABLE OPTIONS:
POWDER COATING
 10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
SLAT TYPES
 RECYCLED PLASTIC SLATS (NOT 2ND SITE(S) SYSTEM)
 COLORS: GRAY, MAPLE, CHERRY, AND WALNUT
 SEE THE STREET/STREETSEER® FOR ADDITIONAL SLAT OPTIONS

NOTES:
 1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL TABLES AND BENCHES ARE IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 4. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
 5. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
 6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 7. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.

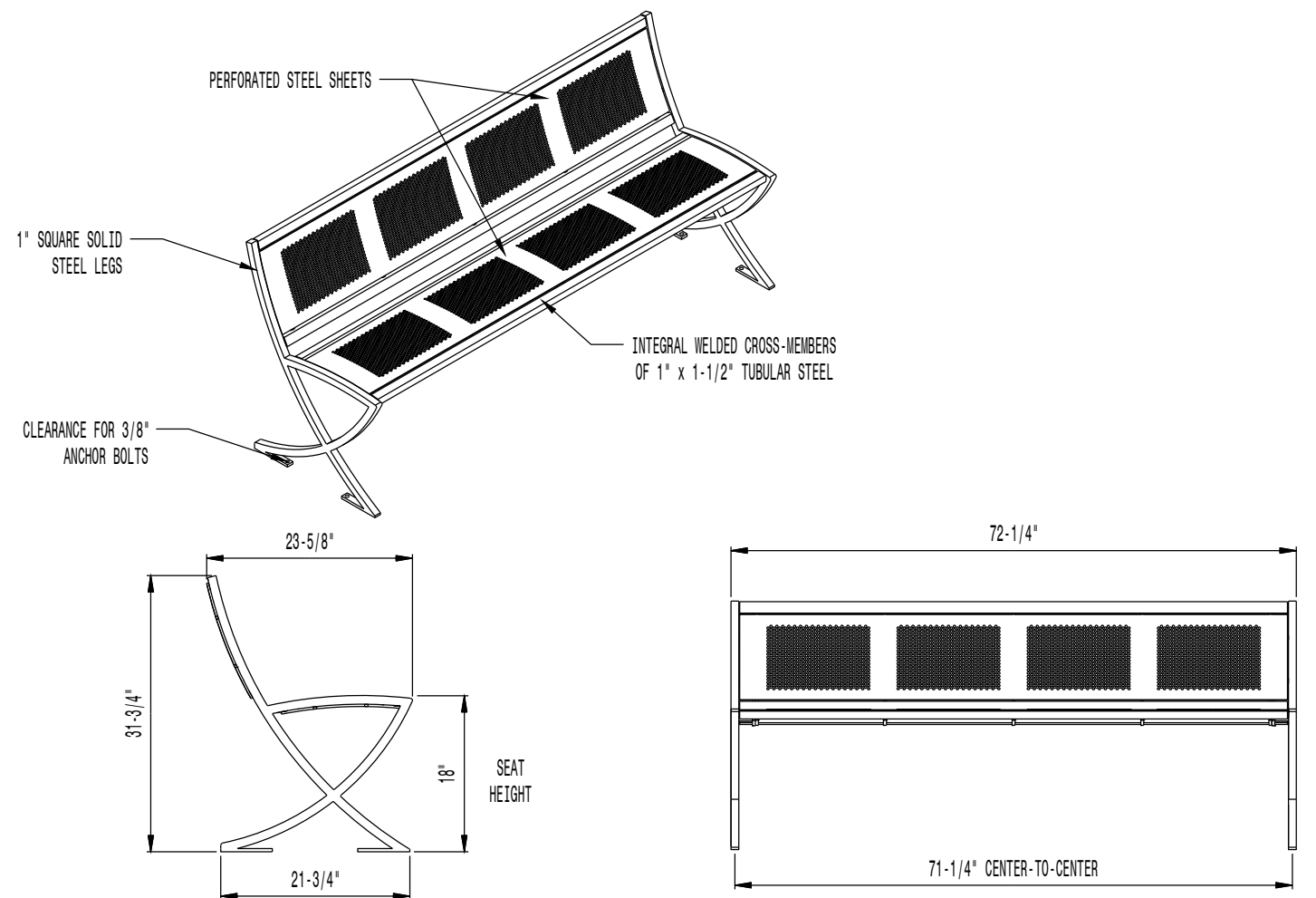
MOUNTING
 STANDARD SURFACE (AS SHOWN) AND IN-GROUND
 AVAILABLE WITH ADA COMPLIANT LEG POSITIONING
 (ADA COMPLIANT TABLE/BENCH CONFIGURATION: 8' TABLE WITH 6' BENCHES)

LENGTHS
 STANDARD 6' LENGTH SHOWN
 STANDARD 8'

MODEL: CM-56 SERIES (6' LENGTH)
MANUFACTURER: VICTOR STANLEY, INC.
AS SUPPLIED BY DOWNS & ASSOCIATES
CONTACT:
MELANIE POLANCO
P: 303-744-0399

1 PICNIC TABLE

NOT TO SCALE



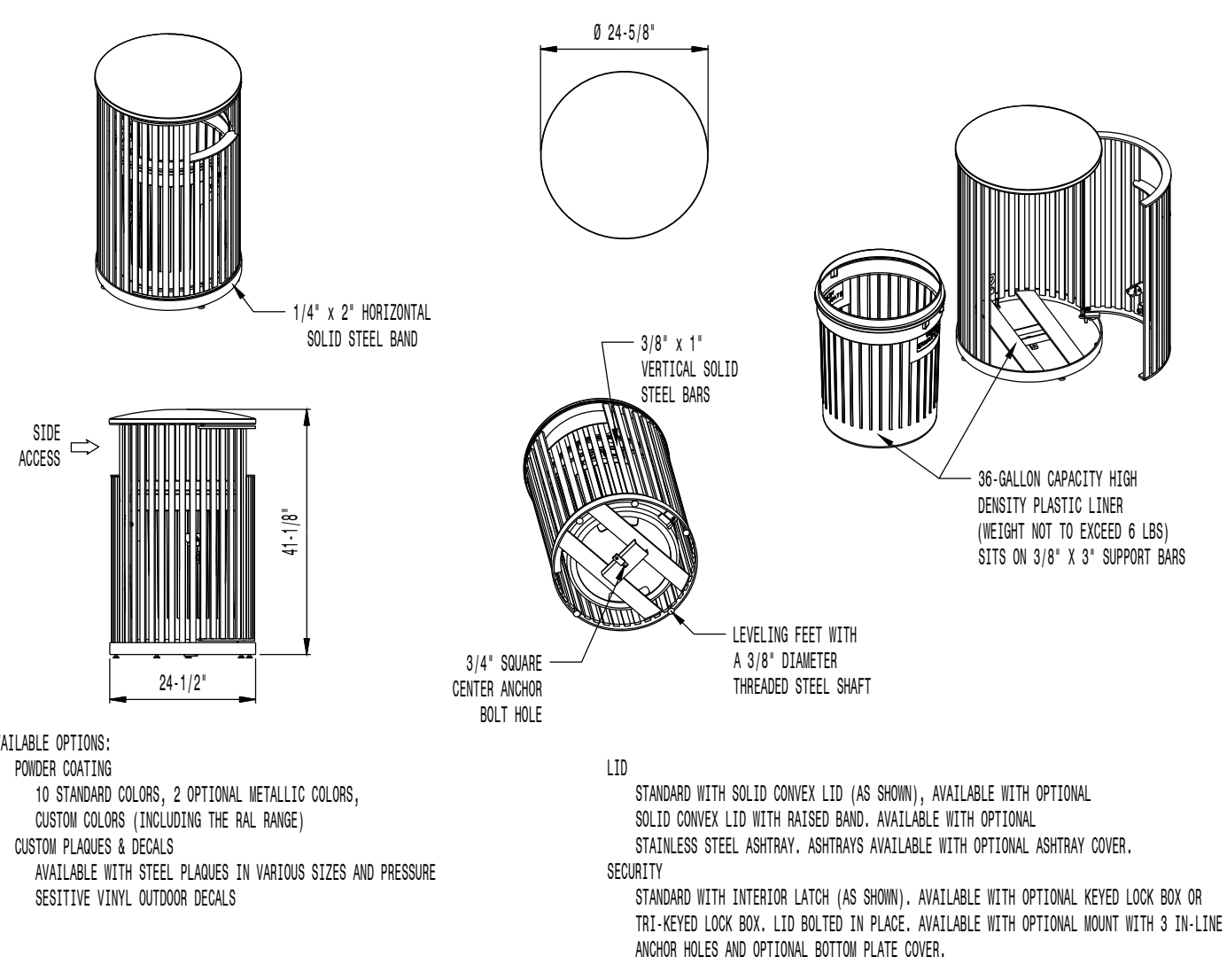
AVAILABLE OPTIONS:
POWDER COATING
 10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

NOTES:
 1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 4. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
 5. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 800°F (430°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
 6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 7. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.

MODEL: LILY BENCH LIL-20NA-P (6' LENGTH)
MANUFACTURER: VICTOR STANLEY, INC.
AS SUPPLIED BY DOWNS & ASSOCIATES
CONTACT:
MELANIE POLANCO
P: 303-744-0399

2 BENCH W/ BACK

NOT TO SCALE



AVAILABLE OPTIONS:
POWDER COATING
 10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
 CUSTOM PLAQUES & DECALS
 AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS

LID
 STANDARD WITH SOLID CONVEX LID (AS SHOWN). AVAILABLE WITH OPTIONAL SOLID CONVEX LID WITH RAISED BAND. AVAILABLE WITH OPTIONAL STAINLESS STEEL ASHTRAY. ASHTRAYS AVAILABLE WITH OPTIONAL ASHTRAY COVER.
SECURITY
 STANDARD WITH INTERIOR LATCH (AS SHOWN). AVAILABLE WITH OPTIONAL KEYS LOCK BOX OR THE KEYS LOCK BOX. LID BOLTED IN PLACE. AVAILABLE WITH OPTIONAL MOUNT WITH 3 IN-LINE ANCHOR HOLES AND OPTIONAL BOTTOM PLATE COVER.

NOTES:
 1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYS LOCK ASSEMBLY.
 4. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 5. VICTOR STANLEY, INC., PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL WOLDED RIBS, INTEGRAL HANDHOLES, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
 6. ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
 7. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 800°F (430°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
 8. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 9. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

MODEL: STEELSITE SERIES TRASH CAN SD-36
STANDARD CONVEX RIVETED LID
MANUFACTURER: VICTOR STANLEY, INC.
AS SUPPLIED BY DOWNS & ASSOCIATES
CONTACT:
MELANIE POLANCO
P: 303-744-0399

3 TRASH RECEPTACLE

NOT TO SCALE

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 Wednesday, June 06, 2018

Prepared For
ESX MANAGEMENT
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Land Planning
 people creating spaces

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 1007 16th street, denver, co 80265
 t 303.531.4905 . f 303.531.4908

Engineering

 10333 E. DRY CREEK RD. #240
 ENGLEWOOD, CO 80112
 720-482-9526

TRAILS AT CROWFOOT
 FILING 15 LANDSCAPE PLANS
 PARKER, COLORADO

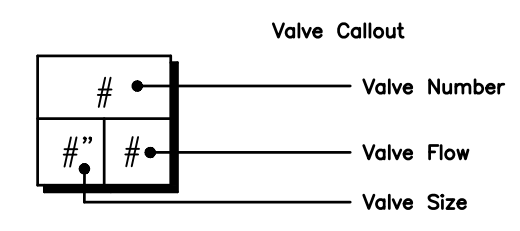
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 Checked by: PCS STAFF
 Submittal: 06.20.2018
 Date:
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Sheet Name
SITE & LANDSCAPE
DETAILS

Sheet Number
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IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PRO5-06-PR530-CV WITH TORO NOZZLE & SERIES TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP. WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL. UTILIZE TORO PRECISION SERIES SPRAY NOZZLES.	30		REMOTE CONTROL VALVE ASSEMBLY NETAFIM LVCZ58010075-HF. PRE-ASSEMBLED CONTROL ZONE KIT, WITH 1" SERIES 80 CONTROL VALVE, 3/4" DISC FILTER, AND HIGH FLOW PRESSURE REGULATOR 4.5GPM TO 17.6GPM.
	HUNTER PRO5-06-PR530-CV WITH TORO NOZZLE 10 SERIES TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP. WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL. UTILIZE TORO PRECISION SERIES SPRAY NOZZLES.	30		REMOTE CONTROL VALVE ASSEMBLY HUNTER MODEL CV 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION
	HUNTER PRO5-06-PR530-CV WITH TORO NOZZLE 12 SERIES TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP. WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL. UTILIZE TORO PRECISION SERIES SPRAY NOZZLES.	30		QUICK COUPLER VALVE ASSEMBLY HUNTER HQ-5RC: VALVE WITH YELLOW RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH 1" NPT INLET, 1-PIECE BODY.
	HUNTER PRO5-06-PR530-CV WITH TORO NOZZLE 15 SERIES TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP. WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL. UTILIZE TORO PRECISION SERIES SPRAY NOZZLES.	30		ISOLATION GATE VALVE ASSEMBLY MATCO-NORCA 514TX: 1/2"-4" BRASS GATE VALVE, FULL PORT, WITH SOUD WEDGE. IPS. CROSS HANDLE. SAME SIZE AS MAINLINE PIPE.
	HUNTER PRO5-06-PR530-CV WITH TORO NOZZLE 4X STRIP SPRAY TURF SPRAY, 30 PSI REGULATED 6.0" POP-UP. WITH FACTORY INSTALLED DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL. UTILIZE TORO PRECISION SERIES SPRAY NOZZLES.	30		NORMALLY OPEN MASTER VALVE ASSEMBLY BUCKNER-SUPERIOR 3100, NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION. SIZE TO MATCH POC.
	HUNTER MP1000 PRO5-06-PR540-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PR540 BODY. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC.	40		REDUCED PRESSURE BACKFLOW PREVENTER WILKINS 375B: BACKFLOW PREVENTER WITH BLOW OUT/FLUSH FITTING. REINFORCED NYLON HOUSING AND CAST BRONZE BALL VALVES. SIZED TO MATCH TAP & METER (RE: POC NOTE).
	HUNTER MP2000 PRO5-06-PR540-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PR540 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	40		PEDESTAL MOUNT CONTROLLER (4800) WEATHERMATIC SL4848 (WITH 4 SIM I 2): 48-ZONE CONTROLLER WITH FLOW MONITORING AND WEATHER STATION. INCLUDES SMARTLINK AIRCARD WITH FLOW, SLWS WEATHER STATION, AND 5 YR SERVICE PLAN (SL4800-5YR-BUNDLE-FLOW). UTILIZE STAINLESS STEEL PEDESTAL, MODEL SLPED-ENC. UTILIZE NORMALLY OPEN PANEL.
	HUNTER MP3000 PRO5-06-PR540-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PR540 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.	40		CREATIVE SENSOR TECHNOLOGY F51-T 1", 1.5", OR 2" (SIZE TO MATCH POC) PVC TEE TYPE FLOW SENSOR W/ SOCKET ENDS. CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE WALL IRRIGATION CONTROLLERS. FLOW RANGE: .86-52 GPM. 1.5" SIZE FLOW RANGE 1.8-108 GPM. 2" SIZE FLOW RANGE 2.8-170 GPM.
	HUNTER MP3500 PRO5-06-PR540-CV TURF ROTATOR, 6.0" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PR540 BODY. LB=LIGHT BROWN ADJUSTABLE ARC, 90-210.	40		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 PVC CLASS 200 IRRIGATION PIPE. ONLY LATERAL TRANSITION PIPE SIZES 1 1/4" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 1" IN SIZE.
	HUNTER MP8005R PRO5-06-PR540-CV TURF ROTATOR, 6.0" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PR540 BODY. ADJ=ORANGE AND GRAY (ARC 90-210), 360=LIME GREEN AND GRAY (ARC 360)	40		DRIP IRRIGATION LATERAL LINE TO EMITTERS: UV RADIATION RESISTANT POLYETHYLENE PIPE, 3/4-INCH UNLESS OTHERWISE SPECIFIED.
				DRIP IRRIGATION LATERAL LINE TO EMITTERS IN NATIVE SEED: 3/4-INCH UV RADIATION RESISTANT POLYETHYLENE PIPE TO NETAFIM INLINE DRIP TUBING TREE RINGS (RE: DETAILS).
				IRRIGATION MAINLINE: PVC CLASS 200 SDR 21 X-INCH UNLESS OTHERWISE NOTED.
				PIPE SLEEVE: PVC SCHEDULE 40 INSTALL AS SHOWN ON DESIGN OR TWICE THE SIZE OF THE PIPE OR WIRE RUNNING THRU IT. NO TWO PIPES OR WIRE BUNDLES SHALL SHARE THE SAME SLEEVE.



EMITTER SCHEDULE

PLANT TYPE	EMITTER TYPE	GPH/OUTLET	NO. OF EMITTERS	TOTAL FLOW
GROUND COVER	SINGLE OUTLET	1 GPH	1	1 GPH
PERENNIALS	SINGLE OUTLET	1 GPH	1	1 GPH
1 GAL. SHRUB	SINGLE OUTLET	1 GPH	1	1 GPH
5 GAL. SHRUB	SINGLE OUTLET	1 GPH	2	2 GPH
TREE IN SHRUB BED	SINGLE OUTLET	1 GPH	4-8	4-8 GPH
TREE IN NATIVE SEED	INLINE DRIP*	0.6 GPH	N/A	N/A

- NOTES:
- MULTIPLE OUTLET EMITTERS CAN BE UTILIZED IN DENSELY PLANTED AREAS AND FOR TREES IN SHRUB BEDS.
 - REFER TO LEGEND AND DETAILS FOR INLINE DRIP TOTALS.

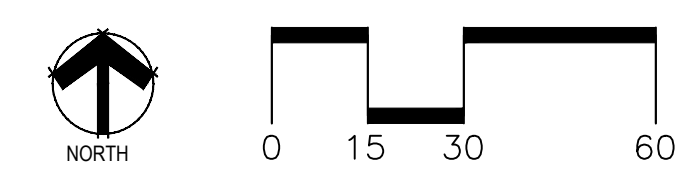
INSTALLATION GENERAL NOTES

- DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM (PER CITY OR ENGINEER) OF XX PSI, AT A MAXIMUM FLOW OF XX GPM AT THE X-INCH POINT-OF-CONNECTION (POC). VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION. CONTACT GENERAL CONTRACTOR OR OWNER'S REPRESENTATIVE IMMEDIATELY IF FLOW OR PRESSURE ARE LOWER THAN LISTED ABOVE.
 - TAP IS SIZED TO ACCOMMODATE AN 8 HOUR/DAY, 6 DAYS/WEEK WATERING WINDOW. THE ENHANCED NATIVE SEED MIX ASSUMES AN AVERAGE WEEKLY USAGE OF 0.75-INCHES PER WEEK, WHILE THE BLUEGRASS ASSUMES AN AVERAGE OF 1.25-INCHES PER WEEK.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION. FOR CLARIFICATION, CONTACT IRRIGATION DESIGNER PRIOR TO CONSTRUCTION.
 - UPON FINAL ACCEPTANCE, CONTRACTOR SHALL TURN OVER REQUIRED ADJUSTMENT KEYS INCLUDING BUT NOT LIMITED TO CONTROLLER ENCLOSURE AND BACKFLOW ENCLOSURE KEY, LOCKING VALVE BOX KEYS, QUICK COUPLER KEYS, GATE VALVE KEY, SPRINKLER HEAD AND NOZZLE ADJUSTMENT KEYS.
 - UPON FINAL ACCEPTANCE, CONTRACTOR SHALL TURN OVER SPARE PARTS PERTAINING TO INSTALLED SYSTEM: BACKFLOW WINTERIZATION INSERT, TWO OF EVERY HEAD AND NOZZLE (ROTOR NOZZLE TREE INCLUDED), ONE RCV DIAPHRAGM, ETC.
- COORDINATE UTILITY LOCATES OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ("811-CALL BEFORE YOU DIG").
- IF DISCREPANCIES ARE NOTED IN THE FIELD BETWEEN SITE CONDITIONS AND PROVIDED DESIGNS, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OR GENERAL CONTRACTOR IMMEDIATELY. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM IF SUCH DISCREPANCIES IN THE FIELD AFFECT THE PROVIDED DESIGN, DETAILS, OR SPECIFICATIONS.
- AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES WHENEVER POSSIBLE. COORDINATE POTENTIAL RELOCATION OF BOULDERS AND TREES IN TURF AREAS WITH LANDSCAPE ARCHITECT PRIOR TO SPRINKLER LAYOUT. IF LANDSCAPE MATERIAL CANNOT BE RELOCATED, ADDITIONAL SPRINKLERS MAY BE REQUIRED.
- CROSS FITTINGS ARE NOT ALLOWED, ONLY STANDARD TEES AND ELBOWS.
- CONTRACTOR SHALL INSTALL NOZZLES PER PLAN, UNLESS IRRIGATED AREA CHANGED IN SIZE OR PLANT MATERIAL TYPE CHANGES. IF NOZZLE

- CHANGES ARE REQUIRED AND ARE SIGNIFICANT IN SIZE, CONTRACTOR SHALL CONTACT IRRIGATION DESIGNER FOR APPROVAL.
- CONTRACTOR SHALL FIELD LOCATE ANY EXISTING SLEEVES ON SITE PRIOR TO CONSTRUCTION WITH THE AID OF THE GENERAL CONTRACTOR. MISSING SLEEVES SHALL BE REPORTED IMMEDIATELY. NEW SLEEVES SHOWN ON PLANS ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR.
 - INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
 - THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN THE IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
 - MAINLINE PIPE SIZES MAY VARY THROUGHOUT PROJECT. EACH MAINLINE LEG IS SIZED TO ACCOMMODATE LARGEST VALVE ON THAT LEG. STATED SIZE IN LEGEND MAY NOT BE THE LARGEST SIZE ON PLANS.
 - INSTALL THREE (3) #14 AWG CONTROL WIRES FROM CONTROLLER LOCATION TO EACH DEAD-END OF MAINLINE FOR USE AS SPARES IN CASE OF CONTROL WIRE FAILURE. COIL 3 FEET OF WIRE IN VALVE BOX.
 - TWO-WIRE CONTROL CABLE DOES NOT REQUIRE ADDITIONAL SPARE WIRES TO BE ROUTED WITH MAINLINE.
 - TWO-WIRE CONTROL SURGE ARRESTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. ARRESTORS ARE NOT DEPICTED ON PLANS.
 - TREES IN TURF ARE NOT IRRIGATED BY DRIP SYSTEM. DRIP LATERAL ROUTED NEAR TREES IN TURF ARE NOT TO RECEIVE DRIP IRRIGATION. TREES IN NATIVE SEEDED AREAS ARE IRRIGATED ON DRIP SYSTEM.
 - VALVES FOR NATIVE SEEDED AREAS SHALL BE ON A SEPARATE PROGRAM.
 - NATIVE SEEDED AREAS ARE TO BE IRRIGATED WITH A BELOW GRADE SYSTEM BUT UTILIZED FOR ESTABLISHMENT OF SEED. SYSTEM IS NOT INTENDED TO OPERATE BEYOND ESTABLISHMENT.
 - HYDRANT METERS IRRIGATE ONLY NATIVE SEEDED AREAS, NO SHRUBS OR TREES SHALL BE IRRIGATED FROM THIS SYSTEM. ALL COMPONENTS MUST BE INSTALLED ABOVE GRADE PER CASTLE PINES METRO DISTRICT STANDARDS. COORDINATE WITH CRAIG MILLER AT CASTLE PINES METRO DISTRICT.
 - NO IRRIGATION EQUIPMENT, INCLUDING BUT NOT LIMITED TO, MAINLINE, VALVES, AND SPRINKLERS, SHALL BE INSTALLED WITHIN 3' OF NEW BUILDING FOUNDATION.

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
1	THE IRRIGATION SYSTEM POINT-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE WATER TAP AND METER. AT THE APPROXIMATE LOCATION SHOWN (REFER TO CIVIL PLANS FOR EXACT LOCATION). INSTALL BACKFLOW PREVENTION UNIT AND MASTER VALVE ASSEMBLY AS INDICATED. VERIFY EXACT LOCATION OF POC WITH OWNER'S REPRESENTATIVE. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION. CONTRACTOR TO INSTALL BACKFLOW PER NATIONAL PLUMBERS CODE AND PER LOCAL CODE. BACKFLOW SHALL BE TESTED UPON INSTALLATION AND ANNUALLY THEREAFTER.
2	PEDESTAL MOUNT THE IRRIGATION CONTROLLER AT THE APPROXIMATE LOCATION SHOWN. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE. CARE SHOULD BE TAKEN TO INSTALL THE IRRIGATION CONTROLLER IN A LOCATION THAT IS ACCESSIBLE FOR MAINTENANCE, AND SCREENED FROM VIEW EITHER BEHIND ENTRY WALLS, NEXT TO BUILDINGS, OR BEHIND PLANT MATERIAL. FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. CONTROLLER TO BE INSTALLED PER NATIONAL ELECTRIC CODE.
3	IRRIGATION SHOWN IN HARDSCAPE FOR CLARITY ONLY. ALL IRRIGATION SHALL BE INSTALLED IN LANDSCAPED AREA. ANY IRRIGATION TO BE INSTALLED UNDER HARDSCAPE SHALL BE SLEEVED.
4	MAINLINE, SPRINKLER LATERAL, AND/OR DRIP LATERAL SHOWN SLEEVED TOGETHER IS FOR CLARITY ONLY. CONTRACTOR SHALL INSTALL MAINLINE, CONTROL WIRES, AND LATERAL LINES IN SEPARATE SLEEVES.



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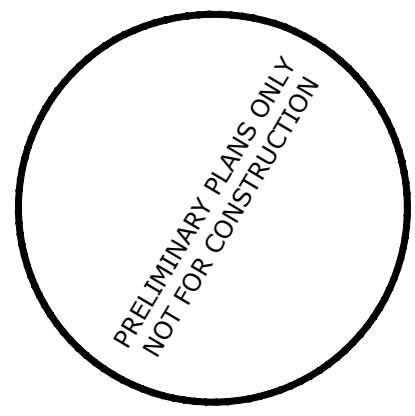
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Prepared For
ESX MANAGEMENT
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TRAILS AT CROWFOOT FILING 15
PRELIMINARY IRRIGATION PLANS
PARKER, COLORADO



Drawn by: DGP/MLP
Checked by: MLP
Submittal Date: 06.15.18
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811

Sheet Name
IRRIGATION LEGEND AND NOTES

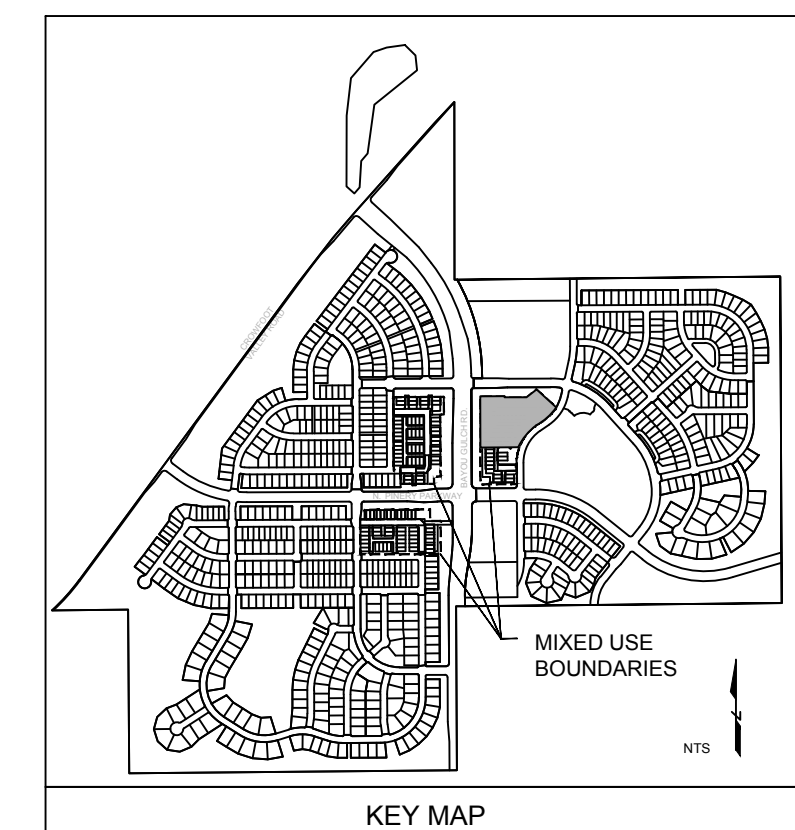
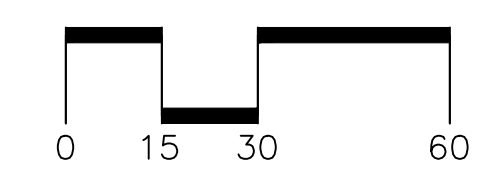
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SCARLET SAGE AVE

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■ Prepared For ■

ESX MANAGEMENT
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CENTENNIAL, CO 80112

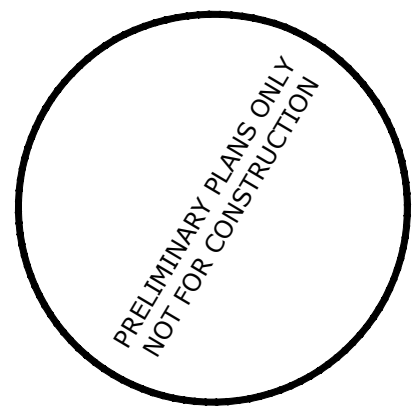
■ Irrigation Design ■

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Michelle@MPIDesignsllc.com

■ Engineering ■

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720-482-9526

TRAILS AT CROWFOOT FILING 15
PRELIMINARY IRRIGATION PLANS
PARKER, COLORADO



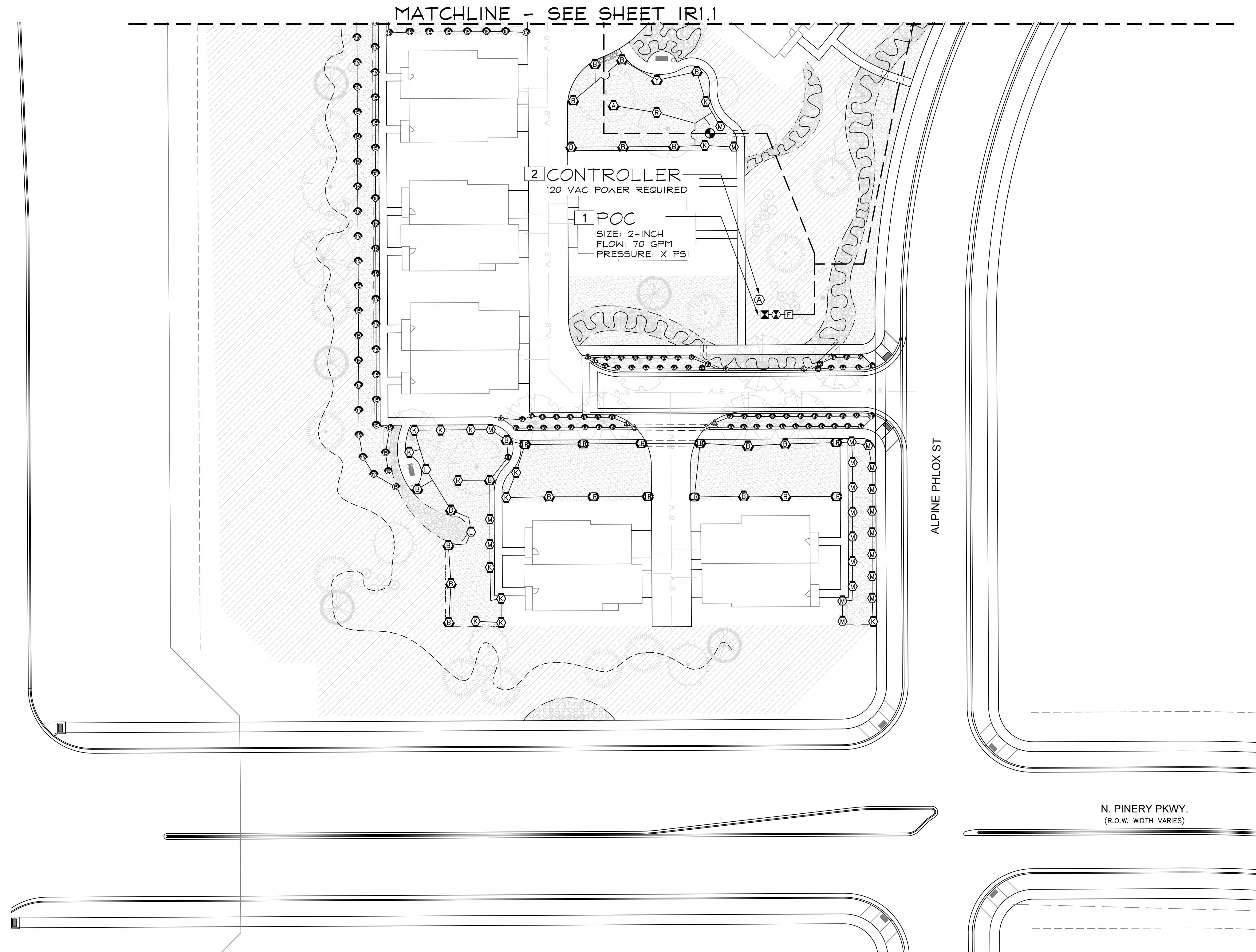
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Submittal Date: 06.15.18
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■ Sheet Name ■
IRRIGATION PLAN

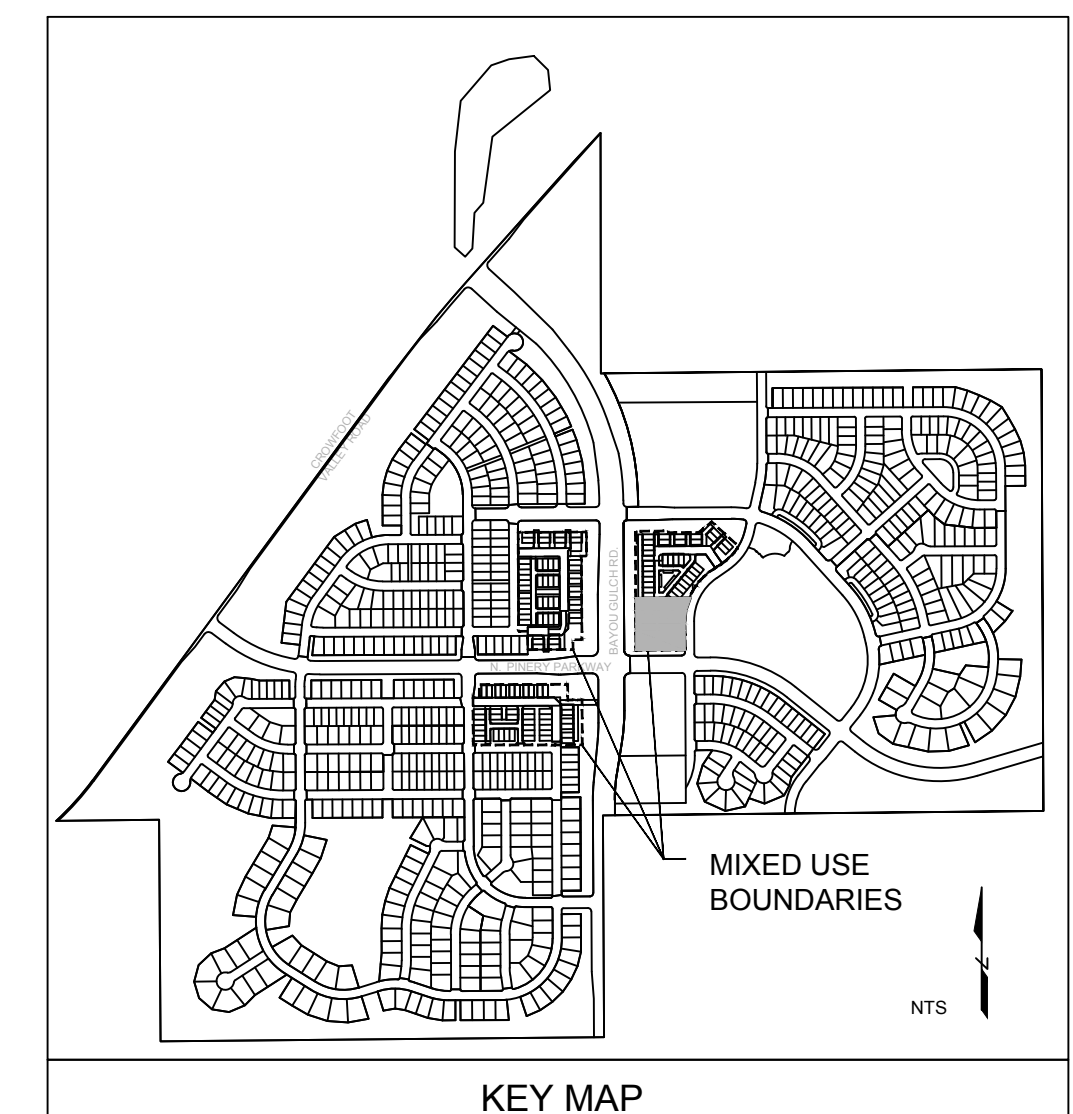
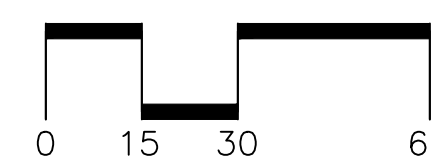
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C:\PROJ\PRO\PRO\MPI\DESIGNS\CLIENT FILES\EXX MANAGEMENT\TRAILS AT CROWFOOT MULTI-USE DESIGN FILES\IR-TRAILS.M\F-EG TRAIL.MXD, June 19, 2018



PRELIMINARY NOT FOR BIDDING OR CONSTRUCTION



Prepared For

ESX MANAGEMENT
7353 SOUTH ALTON WAY
CENTENNIAL, CO 80112

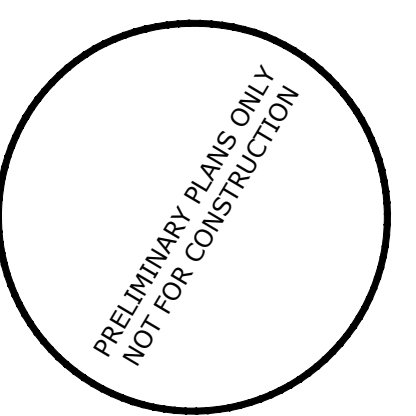
Irrigation Design

MPI Designs
P.O. BOX 345
Windsor, CO 80550
970.402.3047
Michelle@MPIDesignsllc.com

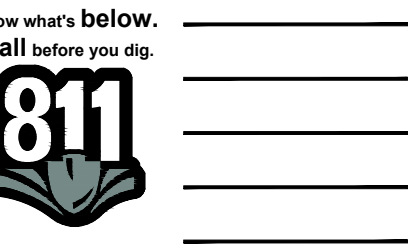
Engineering

CVL CONSULTANTS
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TRAILS AT CROWFOOT FILING 15
PRELIMINARY IRRIGATION PLANS
PARKER, COLORADO



Drawn by: DGP / MLP
Checked by: MLP
Submittal Date: 06.15.18



Sheet Name
IRRIGATION PLAN

Sheet Number

IR1.2