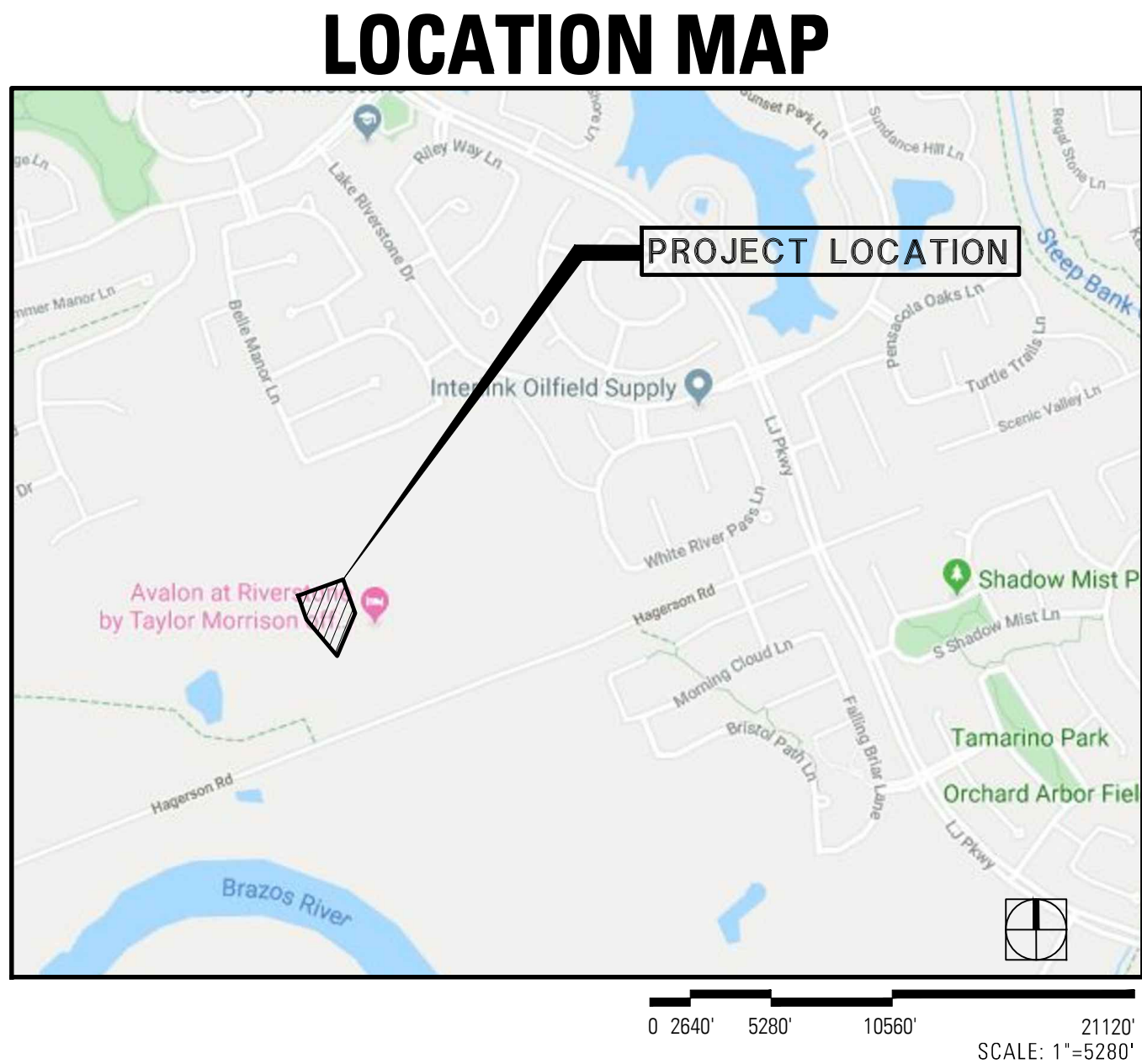
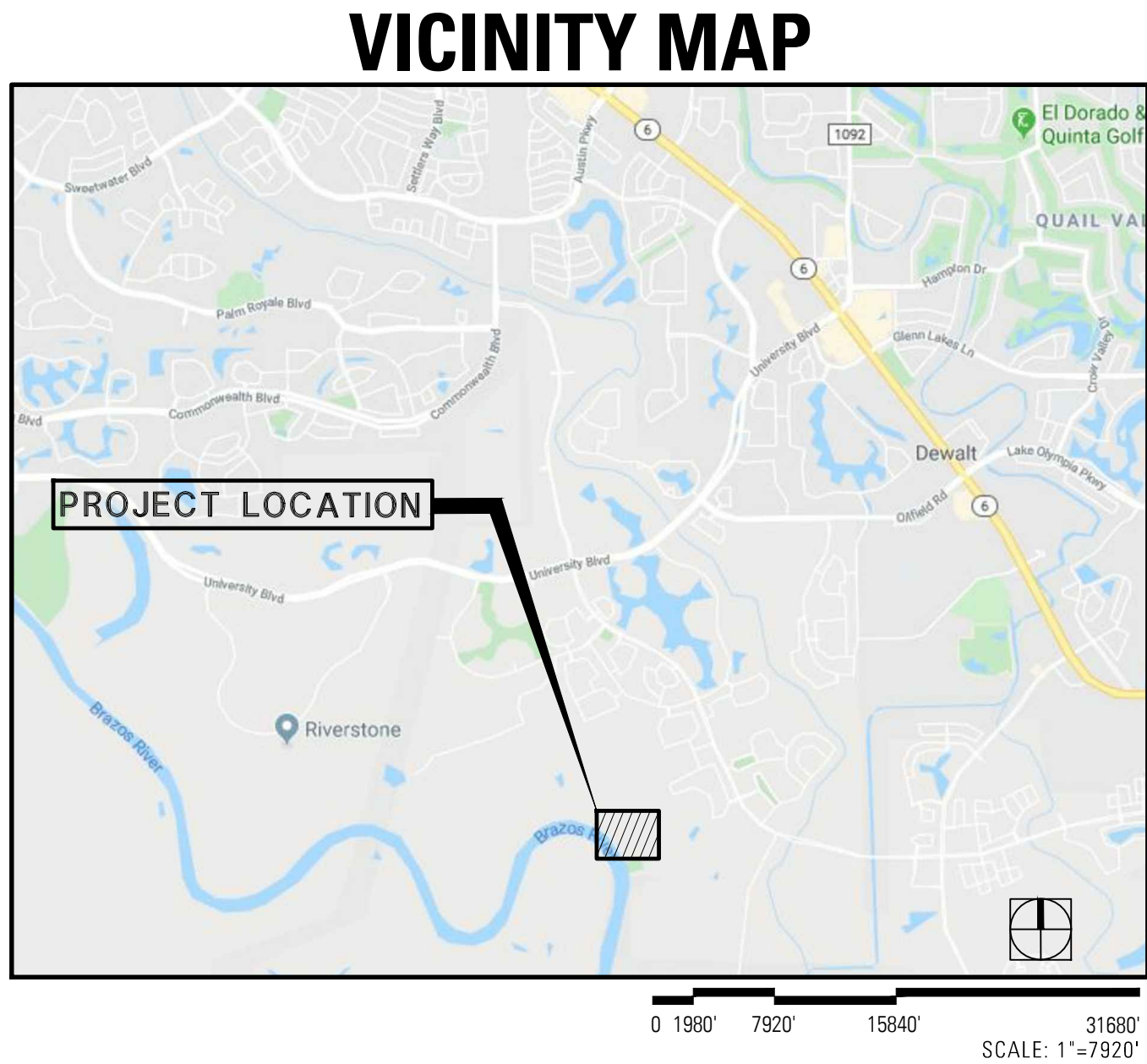


CONSTRUCTION DRAWINGS FOR:

ECHO Park At Riverstone

Missouri City, Texas

Sitework / Planting / Irrigation



A PROJECT BY

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TAYLOR MORRISON

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O: 281/ 433-5007

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Meade Mitchell
6/2/2021

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Taylor Morrison
Missouri City, Texas

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sheet title

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LC 1.0

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GENERAL SITEWORK NOTES:

- 1.) CONTRACTOR SHALL BE FAMILIAR WITH EXISTING SITE CONDITIONS AND UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY OF ANY COST INCURRED DUE TO BODILY INJURY AND/OR DAMAGE OF OWNER'S PROPERTY OR SAID UTILITIES. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY COMPANIES BEFORE EXCAVATION.
- 2.) ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR THE LANDSCAPE ARCHITECT AND OWNER SHALL ASSUME THE CONTRACTOR HAS INCORPORATED THE MOST COSTLY ITEM.
- 3.) DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MAY HAVE NOT BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- 4.) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH SUBCONTRACTORS TO ACCOMPLISH SCOPE OF WORK. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH OTHER TRADES WORKING ON THE SITE SIMULTANEOUSLY.
- 5.) CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING IRRIGATION AND LANDSCAPE ON SITE FROM AN DAMAGE. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS IMMEDIATELY.
- 6.) CONTRACTOR SHALL NOTIFY OWNER AND LANDSCAPE ARCHITECT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
- 7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS, AND SHALL PERFORM FIELD MEASUREMENTS PRIOR TO FABRICATION AND/OR PURCHASE OF ANY MATERIAL AND SHALL CONTACT THE LANDSCAPE ARCHITECT SHOULD EXISTING CONDITIONS BE DIFFERENT FROM THE DESIGN DRAWINGS FOR THIS PROJECT. CONFLICTS ARISING DUE TO LACK OF COORDINATION SHALL BE THE RESPONSIBILITY AND THE EXPENSE OF THE CONTRACTOR.
- 8.) ANY REQUIRED CHANGES TO THE DRAWINGS RESULTING FROM THE ACCEPTANCE OF CONTRACTOR'S ALTERNATES AND/OR SUBSTITUTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT AND THE OWNER FOR APPROVAL.
- 9.) THE CONTRACTOR SHALL COORDINATE STORING OF MATERIALS, PARKING OF VEHICLES AND RESTRICTIONS OF WORK WITH THE OWNER. UNDER NO CIRCUMSTANCES SHALL ANY CONTRACTOR STORE MATERIALS OR PARK VEHICLES UNDER THE CANOPY OF EXISTING TREES.
- 10.) CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE ORDINANCES AND LOCAL CODES. REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR.
- 11.) CONTRACTOR SHALL PROVIDE UNIT PRICES BASED ON QUANTITIES ON DOCUMENTS. FIELD CONDITIONS MAY REVISE ACTUAL LOCATION, INCREASING OR DECREASING THE EXTENT OF WORK BID. CHANGES TO THE EXTENT OF WORK RESULTING IN AN INCREASE WILL BE BASED ON UNIT PRICES AND PERFORMED SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT AND THE OWNER IN THE FORM OF A CHANGE ORDER.
- 12.) ALL CONSTRUCTION COVERED BY THESES CONTRACT DOCUMENTS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF ALL APPLICABLE CITY AND OSHA CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO THE SOUTHERN BUILDING CODE, ENACTED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS, MOST RECENT EDITIONS AND AMENDMENTS AS ADOPTED BY THE LOCAL GOVERNMENT.
- 13.) THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS UNLESS OTHERWISE SPECIFIED.
- 14.) CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND SERVICING TEMPORARY TOILET FACILITIES.
- 15.) CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REMOVAL OF TRASH AND REPAIR OF HAZARDOUS CONDITIONS (TOOL, OPEN HOLES, ETC.) ON A DAILY BASIS BY END OF WORK DAY. REMOVE ALL EXCESSIVE DIRT BUILD UP ON HAUL ROUTE AS REQUIRED DAILY AND BY NOON EVERY FRIDAY.
- 16.) WEEKEND WORK PERMISSIBLE WITH DRY WEATHER CONDITIONS AND WITH PROVISIONS FOR STREET CLEANING AT THE END OF THE WORK DAY.
- 17.) UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL APPROVAL, CONTRACTOR SHALL THOROUGHLY CLEAN UP THE PROJECT SITE OF ALL TRASH, SCRAP, BRICK PIECES, MORTAR AND LITTER, ETC. REPAIR ALL DAMAGE TO FINISH GRADE INCLUDING TAILINGS FORM EXCAVATIONS, WHEEL RUTS, ETC., CAUSED BY CONSTRUCTION.

CONSTRUCTION MANAGEMENT PRACTICES
For WETLAND AREAS

GOALS:

RIVERSTONE DEVELOPMENT COMPANY HAS PREPARED AND ADOPTED A POLICY PERTAINING TO ITS PROJECTS' CONSTRUCTION ACTIVITIES THAT WILL TAKE PLACE IN AND AROUND AREAS THAT ARE, OR MAY BE, CLASSIFIED AS JURISDICTIONAL WATERS OF THE UNITED STATES, INCLUDING WETLANDS.

IT IS THE POLICY OF RIVERSTONE DEVELOPMENT COMPANY TO PREVENT ADVERSE IMPACT, INTENTIONAL OR INCIDENTAL, TO SENSITIVE AQUATIC ENVIRONMENTS THAT MAY BE REGULATED BY THE CLEAN WATER ACT OR THE RIVERS AND HARBOURS ACT. THE PURPOSE OF THIS POLICY IS TO PROVIDE A SET OF MANAGEMENT PRACTICES AND INSTRUCTIONS TO CONTRACTORS ON THE PROPER WAY OF PERFORMING CONSTRUCTION ACTIVITIES IN AND AROUND JURISDICTIONAL AREAS.

IT IS THE RESPONSIBILITY OF ANY PERSON OR COMPANY, INCLUDING THEIR SUBCONTRACTORS, WHO ARE UNDER CONTRACT TO RIVERSTONE DEVELOPMENT COMPANY, TO ABIDE BY THIS POLICY.

MANAGEMENT PRACTICES:

- 1.) ALL CONSTRUCTION ACTIVITIES WILL BE RESTRICTED TO PERMITTED AREAS ONLY. IF THE NATURE OF THE PROJECT IS SUCH THAT THE WORK AREA IS PARCELED OUT OF A LARGER WETLAND AREA, THE WORK WILL BE RESTRICTED TO THE PARCEL ONLY, UNLESS SPECIAL ARRANGEMENTS HAVE BEEN MADE IN COORDINATION WITH AN AUTHORIZED COMPANY REPRESENTATIVE.
- 2.) NON-PERMITTED WETLAND AREAS WILL BE CORDONED OFF BY CONSTRUCTION FENCING OR OTHER SUITABLE BARRIERS. THE LIMITS OF THE PERMITTED WORK AREA WILL BE VISIBLY MARKED BY STAKES, FLAGS, OR OTHER SUITABLE MARKERS.
- 3.) FOR WORK PERFORMED IN UPLANDS WITHIN 50 FEET OF A WETLAND BOUNDARY (100 FEET IF THE WETLAND IS LOCATED DOWN GRADIENT FROM THE PROJECT AREA), A SILT FENCE OR OTHER SUITABLE PARTICULATE FILTER SYSTEM WILL BE PLACED ALONG THE LENGTH OF THE PROJECT SITE, AS NEAR TO THE PROJECT SITE AS POSSIBLE.
- 4.) INGRESS AND EGRESS FOR WORK IN OR ACROSS WETLANDS WILL BE BY PERMITTED TEMPORARY ACCESS ROADS, OR BY WOODEN CONSTRUCTION MATS. AN AUTHORIZED COMPANY REPRESENTATIVE MUST BE NOTIFIED PRIOR TO THE PLACEMENT OR CONSTRUCTION OF ANY ACCESS ROAD.
- 5.) TEMPORARY ROADS THROUGH WETLANDS WILL BE LIMITED TO THE MINIMUM SURFACE AREA REQUIRED TO PERFORM THE WORK AND WILL BE REMOVED AS SOON AS POSSIBLE AFTER WORK IS COMPLETED. ALL STRUCTURAL MATERIALS ARE TO BE REMOVED FROM THE WETLAND AREA.
- 6.) WOODEN MATS MUST BE LIMITED TO THE MINIMUM SURFACE AREA REQUIRED TO PERFORM THE WORK, AND WILL BE REMOVED AS SOON AS POSSIBLE AFTER WORK IS COMPLETED. NO SAND, GRAVEL, SOIL, OR OTHER SUB-BASE IS PERMITTED.
- 7.) IN EVERY LOCATION WHERE A TEMPORARY ROAD CROSSES A WETLAND, THE ORIGINAL BOTTOM CONTOUR OF THE WETLAND AREA MUST BE RESTORED ONCE THE WORK HAS BEEN COMPLETED.
- 8.) EXCAVATED MATERIALS MAY BE MOVED OR PLACED WITHIN THE PERMITTED WORK AREA. HOWEVER, SUCH MATERIALS MAY NOT BE PLACED OR STORED IN ADJACENT OR SURROUNDING WETLANDS.
- 9.) DOWNSTREAM OR ADJACENT JURISDICTIONAL AREAS MUST BE PROTECTED FROM PARTICULATE MATTER THAT MAY BE PLACED BY A HYDROLOGIC EVENT. SILT FENCES, HAY BALES, OR OTHER SUITABLE FILTER SYSTEMS WILL BE PLACED AS NEAR TO THE WORK AREA AS POSSIBLE, UP TO AND INCLUDING THE ENTIRE PERIMETER OF THE WORK AREA. SUCH MEASURES WILL BE TAKEN PRIOR TO COMMENCING CONSTRUCTION, AND WILL BE COORDINATED WITH AN AUTHORIZED COMPANY REPRESENTATIVE.
- 10.) ANY FILL MATERIALS WHICH ARE TO BE PLACED WITHIN THE PERMITTED WORK AREA MUST BE DELIVERED DIRECTLY TO THE WORK AREA. SUCH MATERIALS MAY NOT BE STOCKPILED OR TEMPORARILY STORED IN ADJACENT OR SURROUNDING WETLANDS.
- 11.) EQUIPMENT STAGING AREAS AND MATERIALS STORAGE AREAS ARE TO BE LOCATED OUTSIDE THE PERMITTED WORK AREA, AND MAY NOT BE LOCATED IN ADJACENT OR SURROUNDING WETLANDS.
- 12.) ANY VEGETATION WHICH IS REMOVED OR CLEARED FROM THE PERMITTED WORK AREA MAY NOT BE PLACED IN ADJACENT OR SURROUNDING WETLANDS. BRUSH OR VEGETATION DEBRIS MAY BE CHIPPED IN PLACE, OR BURNED IN ACCORDANCE WITH APPLICABLE LAWS AND ORDINANCES, AS LONG AS NO RESIDUAL MATERIALS FALLS OUTSIDE THE PERMITTED WORK AREA AND INTO A WETLAND.

| GENERAL LEGEND | |
|---|---------------------------------|
| SYMBOLS AND LINETYPES | |
| SYMBOL | EXPLANATION |
| <div><div>xxx xxx</div><div>→</div></div> | DETAIL REFERENCE |
| <div><div>X</div><div>→</div></div> | MATERIALS & FINISHES SYMBOL |
| <div><div>X X</div><div>▲</div></div> | SECTION SYMBOL |
| REF: <div><div></div><div></div></div> | ENLARGEMENT AREA WITH REFERENCE |
| <div><div>---</div><div>---</div><div>---</div></div> | MATCHLINE |
| <div><div>---</div><div>---</div><div>---</div></div> | LIMIT OF CONSTRUCTION |
| | |
| ABBREVIATIONS | |
| SYMBOL | EXPLANATION |
| BLD. LN. | BUILDING EASEMENT |
| B.O.C. | BACK OF CURB |
| B.P. | BOTTOM OF PIPE |
| B.R. | BOTTOM OF RAMP |
| B.W. | BOTTOM OF WALL |
| C.L. | CENTERLINE |
| CMU | CONCRETE MASONRY UNIT |
| CONC. | CONCRETE |
| CURB | BACK OF CURB |
| D.I. | DRAIN INLET |
| Y.D. | YARD DRAIN |
| D.D. | DECK DRAIN |
| DWG. | DRAWING |
| ESMT. | EASEMENT |
| F.G. | FINISHED GRADE |
| L.O.C. | LIMITS OF CONSTRUCTION |
| LVL | LEVEL |
| O.C. | ON CENTER |
| O.C.E.W. | ON CENTER EACH WAY |
| O.D. | OUTSIDE DIAMETER |
| P.A. | PLANTING AREA |
| P.O.B. | POINT OF BEGINNING |
| R | RADIUS |
| REF. | REFERENCE |
| R.O.W. | RIGHT OF WAY |
| SAN. S. | SANITARY SEWER |
| STRM.S | STORM SEWER |
| T.B.D. | TO BE DETERMINED |
| T.F. | TOP OF FOOTING |
| T.O.C. | TOP OF CURB |
| T.O.P. | TOP OF PIPE |
| T.R. | TOP OF RAMP |
| T.W. | TOP OF WALL |
| TYP. | TYPICAL |
| VAR. | VARIES |
| W.W.M. | WELDED WIRE MESH |
| WTR.LN | WATER LINE |
| RCLMD. WTR. LN. | RECLAIMED WATER LINE |
| W/ | WITH |



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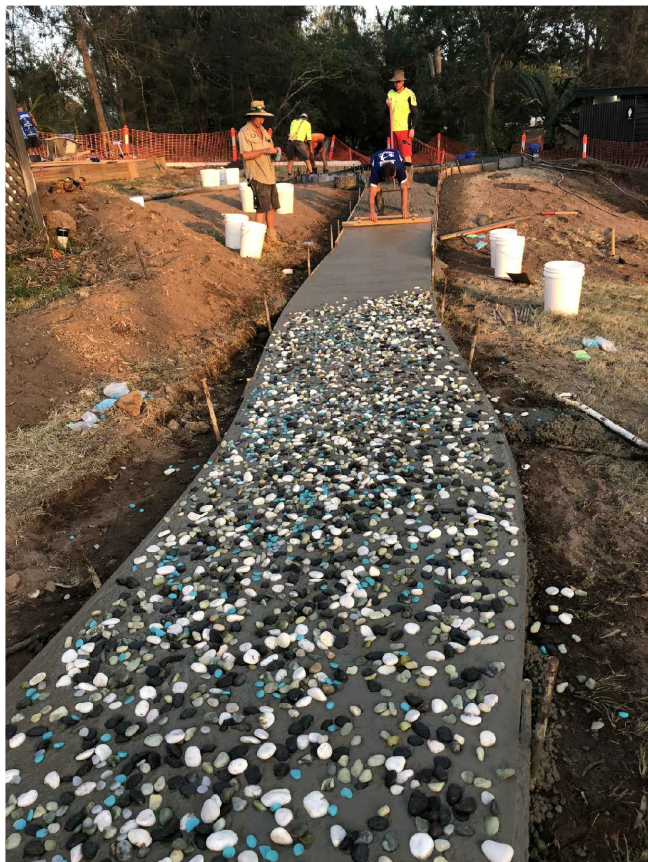
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| MATERIALS SCHEDULE | | | | | |
|--------------------|---|---|--|---|--|
| KEY | DESCRIPTION /MODEL NUMBER | COLOR | FINISH | CONTACT | REMARKS |
| CONCRETE | | | | | |
| C.1 | STANDARD CONCRETE | GRAY | MEDIUM BROOM FINISH - PERPENDICULAR TO DIRECTION OF WALK | LOCAL SOURCE | CONTRACTOR TO SUBMIT SHOP DRAWINGS AND SAMPLE PRIOR TO CONSTRUCTION FOR L.A. APPROVAL. |
| C.2 | INTEGRAL COLOR CONCRETE | DESERT SAND C-II | TOP CAST SURFACE RETARDER 1/8"-3/8" 50 CANARY GREEN | COMPANY: LM SCOFIELD PHONE: (972) 839-3730 CONTACT: JESSE GULLEDGE | CONTRACTOR TO SUBMIT 5'X5' MOCKUP FOR INSPECTION |
| C.3 | INTEGRAL COLOR CONCRETE | C-27 WESTWOOD BROWN | BOARDWALK STAMPED | COMPANY: LM SCOFIELD PHONE: (972) 839-3730 CONTACT: JESSE GULLEDGE | CONTRACTOR TO SUBMIT 5'X5' MOCKUP FOR INSPECTION |
| C.4 | SEEDED CONCRETE | | | | |
| DRAINAGE | | | | | |
| D.1 | 8" SDR35 SOLID PIPE | PURPLE | N/A | CONTACT: NDS PHONE: 1-800-726-1994 | REF. SPECS FOR SUBMITTAL REQ'S. |
| D.2 | 6" SDR35 HARD PERFORATED PIPE W/ NON-WOVEN GEOTEXTILE FABRIC SOCK | PURPLE | N/A | CONTACT: NDS PHONE: 1-800-726-1994 | REF. SPECS FOR SUBMITTAL REQ'S. |
| D.3 | 12" SQ. GRATE/DRAIN (NDS#1211) W/ CATCH BASIN (NDS#1200NGB) | BLACK | N/A | CONTACT: NDS PHONE: 1-800-726-1994 | REF. SPECS FOR SUBMITTAL REQ'S. |
| D.4 | 6" ATRIUM GRATE (NDS#90) | BLACK | N/A | CONTACT: NDS PHONE: 1-800-726-1994 | REF. SPECS FOR SUBMITTAL REQ'S. |
| PLAY EQUIPMENT | | | | | |
| E.1 | PLAY TOWER ROBINIA CLIMBING FRAME NO.17 PRODUCT CODE CF.2.17 | ROBINIA | ROBINIA | CONTACT: Sean Procyk DUNCAN # GROVE LTD OFFICE: 1 888 571 9470 CELL: 1 403 431 0441 WEB: DUNCANANDGROVE.COM | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |
| E.2 | COLUMBIA CASCADE EMBANKMENT SLIDE - 8' ELEVATION DROP, CURVED - MODEL NO: 1650-83-01-EMB | CHUTE: TAN METAL: TBD FROM MANUFACTURER'S STANDARD RANGE | N/A | CONTACT: ERIC HILLER / COLUMBIA CASCADE PHONE: | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |
| E.3 | CARGO CLIMBING NET 8" DIA. POLYESTER 3 STRAND BORDER ROPE W/3" SQUARE OPENINGS | BLACK | POWDER COAT | CONTACT: JASON BOSCH COMPANY: TREE HOUSE SUPPLIES INC. 610-701-2458 EXT 406 | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |
| E.4 | FARM PUMP | RED | POWDER COAT | CONTACT: LAURA GUSCOTT COMPANY: GORIC PHONE: (877) 467-4287 | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |
| E.5 | GOLD MINER'S SLUICeway - (1) LOW LEGS, 3' LENGTH - (1) MEDIUM LEGS, 4' LENGTH - (1) HIGH LEGS, 3' LENGTH | N/A | POWDER COAT | CONTACT: ETHAN KING COMPANY: NATURAL PLAYGROUNDS www.naturalplaygroundsstore.com | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |
| E.6 | WOOD BLOCKS LARGE BLOCK SET 60 PCS | NATURAL | N/A | CONTACT: ETHAN KING COMPANY: NATURAL PLAYGROUNDS www.naturalplaygroundsstore.com | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |
| SITE FURNISHINGS | | | | | |
| F.1 | ADIRONDACK CHAIRS (4) POLYWOOD MODERN ADIRONDACK | VARIOUS COLORS | | POLYWOOD (855) 935-5550 | CONTRACTOR TO SUBMIT PRODUCT DATA AND COLOR SAMPLES TO L.A. FOR APPROVAL PRIOR TO CONSTRUCTION. |
| F.2 | NOT USED | NOT USED | NOT USED | NOT USED | NOT USED |
| F.3 | 6' BENCH DUMOR MODEL: 93-60, SURFACE PLATE | BLACK | POWDER COAT | CONTACT: PAUL E. ALLEN CO. PHONE: (713) 869-2673 | CONTRACTOR TO SUBMIT PRODUCT DATA AND COLOR SAMPLES TO L.A. FOR APPROVAL PRIOR TO CONSTRUCTION. |
| F.4 | (2) 6' MEMORIAL BENCHES DUMOR MODEL: 93-60, SURFACE PLATE | BLACK | POWDER COAT | CONTACT: PAUL E. ALLEN CO. PHONE: (713) 869-2673 | CONTRACTOR TO COORDINATE (4) MEMORIAL PLAQUES WITH PAUL E. ALLEN. ONE ON EACH BENCH AND 2 EXTRAS RE: DETAIL FOR TEXT |
| F.5 | TRASH RECEPTACLE DUMOR MODEL NO: 84-32, SURFACE PLATE | BLACK | POWDER COAT | CONTACT: PAUL E. ALLEN CO. PHONE: (713) 869-2673 | CONTRACTOR TO SUBMIT PRODUCT DATA AND COLOR SAMPLES TO L.A. FOR APPROVAL PRIOR TO CONSTRUCTION. |

| | | | | | |
|---------------|--|---------|---------------|--|--|
| STONE | | | | | |
| S.1 | DECOMPOSED GRANITE - 1/4"- | BROWN | N/A | CONTACT: HEATHER TITO COMPANY: ALAMO STONE PHONE: (281) 723-4148 | |
| S.2 | DRY CREEK RIVER ROCK - 2"-4" | | SIENNA COBBLE | CONTACT: HEATHER TITO COMPANY: ALAMO STONE PHONE: (281) 723-4148 | |
| S.3 | BOULDERS, VARIOUS SIZES - 25% TYPE A: 12" MIN. - 18" MAX. (LENGTH) 6" MIN. - 9" MAX. (HEIGHT) - 50% TYPE B: 18" MIN. - 30" MAX. (LENGTH) 9" MIN. - 12" MAX. (HEIGHT) - 25% TYPE C: 24" MIN. - 36" MAX. (LENGTH) 18" MIN. - 30" MAX. (HEIGHT) | | N/A | CONTACT: HEATHER TITO COMPANY: ALAMO STONE PHONE: (281) 723-4148 | CONTRACTOR TO SUBMIT PHOTOS OF ALL BOULDERS FOR LANDSCAPE ARCHITECT APPROVAL. |
| WOOD | | | | | |
| W.1 | LOG PILES - MCQ AND KDAT TREATMENT TO MIN. GROUND CONTACT - 6" MIN. TO 15" MAX. DIA. | NATURAL | N/A | LOCAL SOURCE | REF. SPECS FOR SUBMITTAL REQ'S. |
| W.2 | UNPEELED CEDAR | NATURAL | N/A | LOCAL SOURCE | |
| W.3 | TIMBERS / TIMBER STEPS - 8" X 8" LUMBER | TREATED | | LOCAL SOURCE | |
| MISCELLANEOUS | | | | | |
| Z.1 | WOOD FIBAR MULCH | NATURAL | N/A | LOCAL SOURCE | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |
| Z.2 | SAND | NATURAL | N/A | LOCAL SOURCE | REF. SPECS FOR SUBMITTAL REQ'S. |
| Z.3 | ART NOOK | N/A | N/A | CONTACT: MATTHEW RENFROW COMPANY: RENFROW+CO. PHONE: (832) 724-8517 (713) 568-1768 | - NO SUBSTITUTIONS ALLOWED |
| Z.4 | PAVILION MOD PAVILION AT 20'W X 18' D WITH STANDING SEAM METAL ROOF | | | JASON RATLIFF COVER TIMBERWORKS 830-822-0693 JASON@COVERTIMBERWORKS.COM WWW.COVERTIMBERWORKS.COM | CONTRACTOR TO PROVIDE CUT SHEET TO LANDSCAPE ARCHITECT PRIOR TO ORDERING, STAKE LOCATION IN FIELD FOR LOCATION |



S.2 S.3 DRY CREEK BED AND BOULDERS - INTENT AND CHARACTER



C.3 SEEDED CONCRETE- INTENT AND CHARACTER



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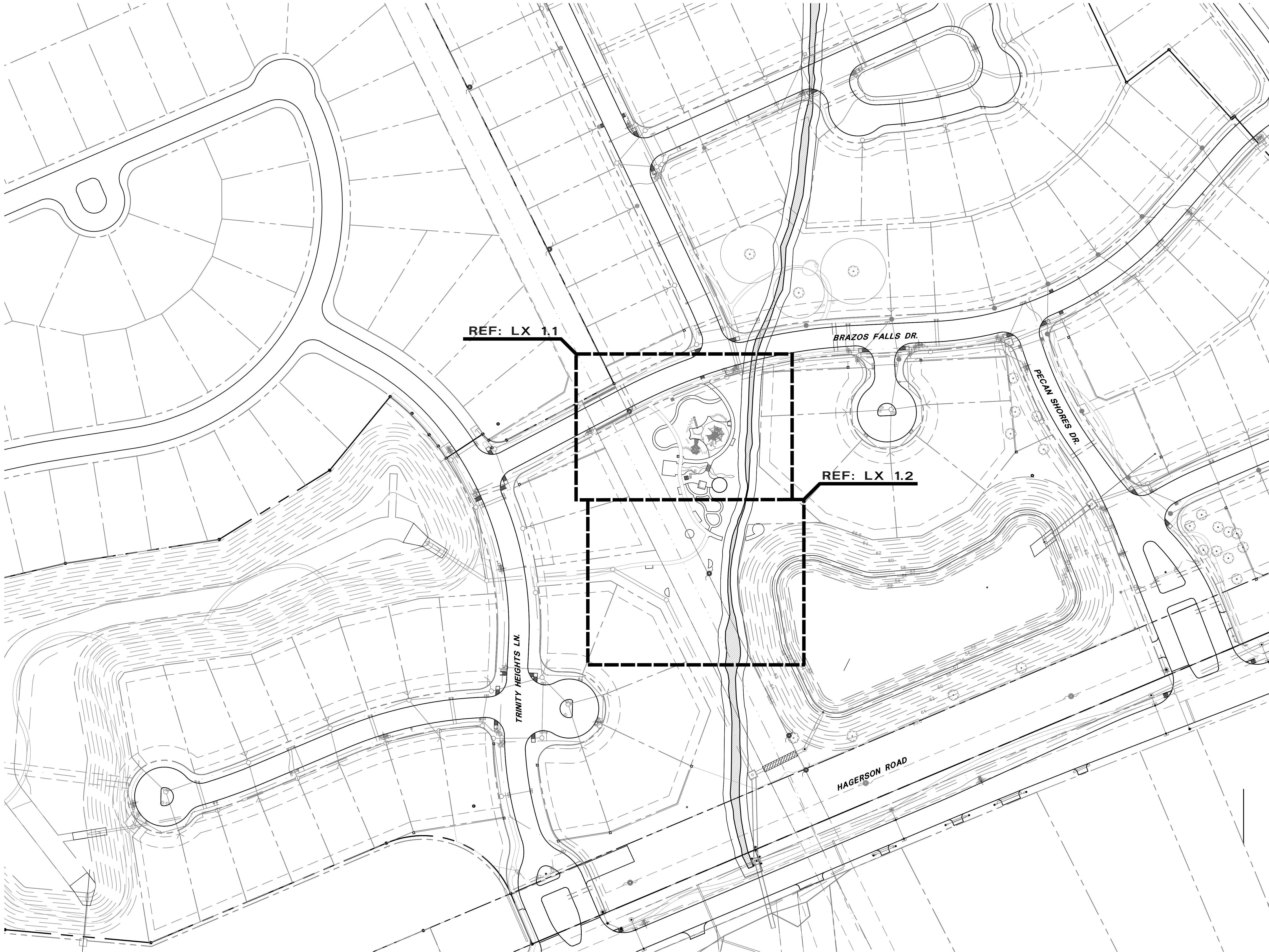
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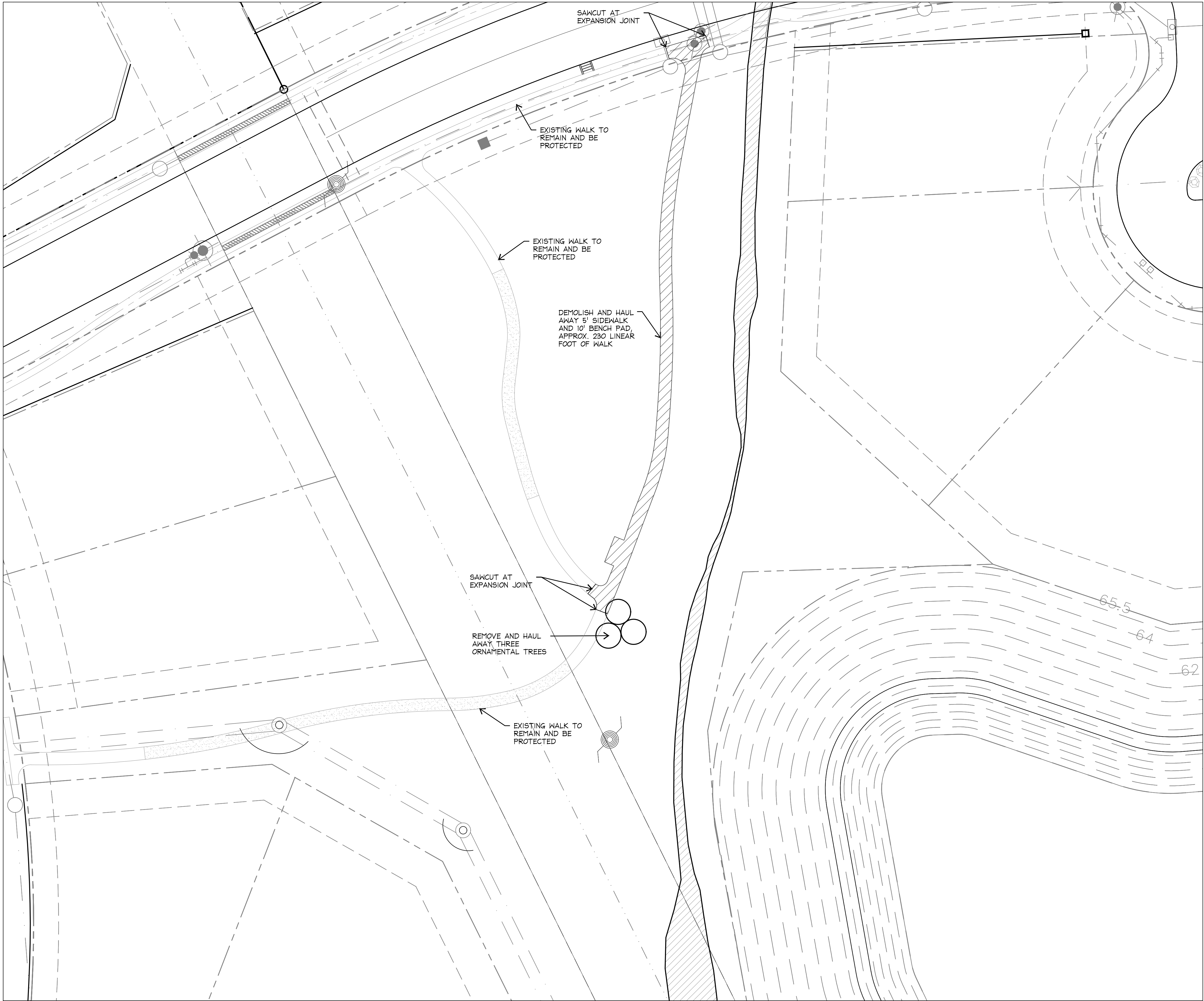
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reference plan**

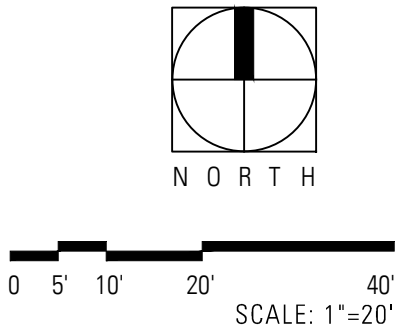
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NOTE: CONTRACTOR TO PROTECT ALL TREES NEAR WORKING AREA AND IS RESPONSIBLE FOR DAMAGES



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6/2/2021

project

**echo park at
riverstone**

Taylor Morrison
Missouri City, Texas

project number

H20378

issue date
June 2, 2021

designed: AW JS
drawn: AW ES
reviewed: JZ MM

sheet title

**tree protection
plan**

sheet

LD 1.1

GENERAL GRADING NOTES

1. REFERENCE LG 2.1 FOR DRAIN INVERT ELEVATIONS & ALL PIPING.
2. INSURE POSITIVE DRAINAGE OF ALL HARSAPE AND LANDSCAPE AREAS.
3. ALL GRADES WITHIN ACCESSIBLE ROUTES SHALL CONFORM TO TAS STANDARDS
4. CONTRACTOR TO SHAPE EXTENTS OF GRADING NEAR LIMIT OF CONSTRUCTION TO CONNECT TO EXISTING GRADES IN SMOOTH TRANSITIONS AS INSTRUCTED BY LANDSCAPE ARCHITECT.

LAYOUT NOTE:
CONTRACTOR TO REQUEST COORDINATE SCHEDULE FROM LANDSCAPE ARCHITECT FOR LOCATION OF ALL DRAIN INLETS.

GRADING LEGEND

| | | |
|--|--------|---|
| | 56.23 | PROPOSED SPOT ELEVATION (BY LANDSCAPE ARCHITECT) |
| | 56.31 | EXISTING SPOT ELEVATION (BY CIVIL ENGINEER) |
| | TW | TOP OF WALL ELEVATION |
| | BW | BOTTOM OF WALL ELEVATION |
| | TS | TOP OF STAIR ELEVATION |
| | BS | BOTTOM OF STAIR ELEVATION |
| | TD | TOP OF DRAIN INLET ELEVATION |
| | HP | HIGH POINT ELEVATION |
| | LP | HIGH POINT ELEVATION |
| | SG | SUBSURFACE GRADE ELEVATION |
| | TC | TOP OF CURB ELEVATION |
| | BC | BOTTOM OF CURB ELEVATION |
| | JB | JUNCTION BOX ELEVATION |
| | MH | MANHOLE RIM ELEVATION |
| | INV. | CATCH BASIN OR PIPE INVERT ELEVATION |
| | P.O.C. | POINT OF CONNECTION |
| | X% | PERCENT & DIRECTION OF SLOPE |
| | | EXISTING MINOR CONTOUR |
| | (561) | EXISTING MAJOR CONTOUR |
| | (560) | PROPOSED MINOR CONTOUR |
| | | PROPOSED MAJOR CONTOUR |
| | | SURFACE FLOW LINE (SWALE) |
| | | GRADE BREAKLINE |
| | D.1 | DRAIN LINE- SDR 35. REFER. PLAN FOR SIZING. |
| | D.2 | SDR 35 PERFORATED DRAIN LINE. REFER. PLAN FOR SIZING. |

BERM NOTES:

- 1.) VERIFY EXISTING CONTOURS AS SHOWN. FINAL LOCATION AND LAYOUT OF BERMS TO BE APPROVED IN FIELD BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL ROUGH GRADE AND DRAG FINISH ALL GRADING PER APPROVAL OF THE LANDSCAPE ARCHITECT. BERMS SHALL BE PLACED WITHIN + 1/10' VERTICALLY AND + 1' HORIZONTALLY AS SHOWN ON PLANS.
- 2.) ALL BERMS SHALL HAVE MAXIMUM 3:1 SLOPES UNLESS OTHERWISE NOTED.
- 3.) GRADE ALL SLOPES FOR POSITIVE DRAINAGE AND TO PREVENT WATER FROM STANDING. CONTRACTOR SHALL ENSURE THAT BERMS DO NOT OBSTRUCT DRAINAGE FLOW. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY SHOULD SUCH CONDITIONS ARISE. CUT SWALES TO DIRECT WATER AWAY FROM PROPERTY LINE & FENCE. CONTRACTOR SHALL NOT DRAIN ANY WATER TOWARDS LOT.
- 4.) ALL SLOPES SHALL BE SMOOTH AND UNIFORM. LEVEL AND GENTLY CROWN TOP OF BERMS. BLEND TOE OF BERMS INTO EXISTING GRADES.
- 5.) CONTRACTOR TO NOTIFY OWNER OF ANY MANHOLE OR UTILITY BOX ADJUSTMENTS REQUIRED PRIOR TO PLACING ANY FILL. LOCATIONS OF ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE AND SHALL BE VERIFIED IN FIELD. CONTRACTOR IS RESPONSIBLE FOR UNCOVERING ALL CONCEALED UTILITIES AND PROPERTY MARKERS UPON COMPLETION OF WORK. CONTRACTOR TO WALK SITE WITH OWNER PRIOR TO FINAL PAYMENT TO ENSURE MANHOLES AND GATE VALVES ARE EXPOSED.
- 6.) CONTRACTOR TO ASSUME BALANCED CUT & FILL ON SITE.



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grading &
drainage plan

sheet

LG 1.1



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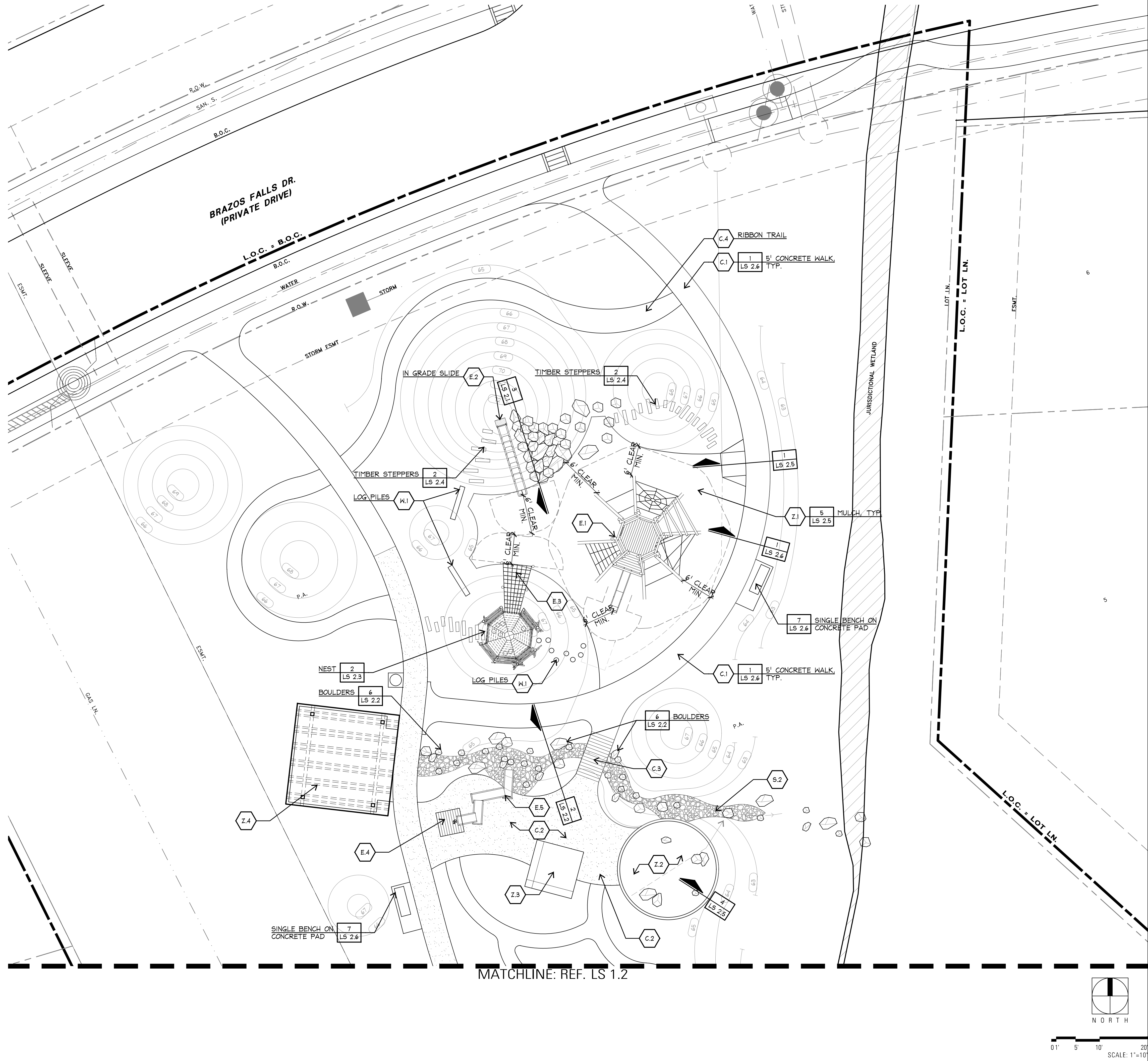
sheet title

grading &
drainage plan

sheet

LG 1.2

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6/2/2021

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designed: AW JS

drawn: AW ES

reviewed: JZ MM

sheet title

sitework plan

sheet

LS 1.1



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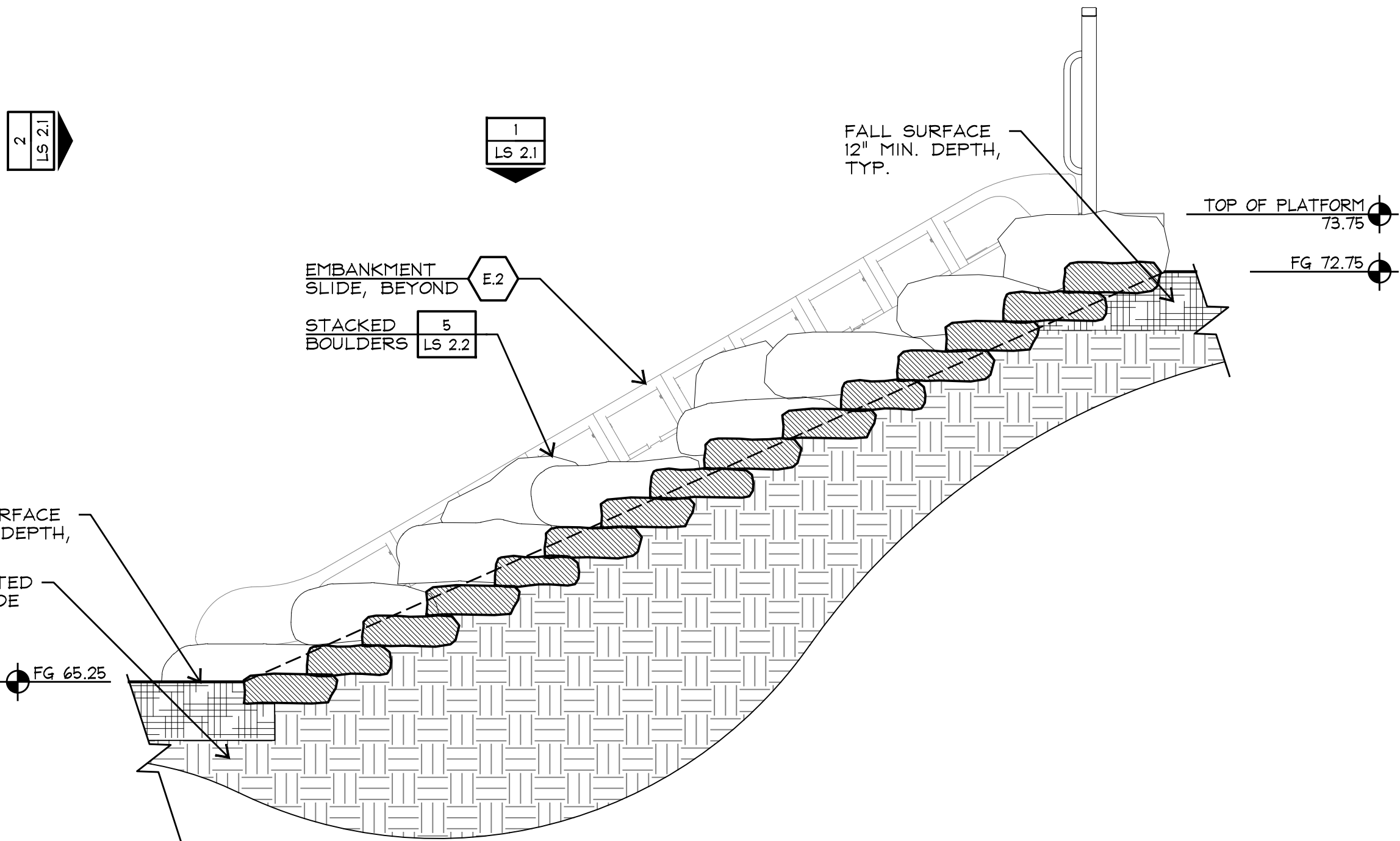
designed: AW JS
drawn: AW ES MF
reviewed: JZ MM

sheet title

embankment
slide details

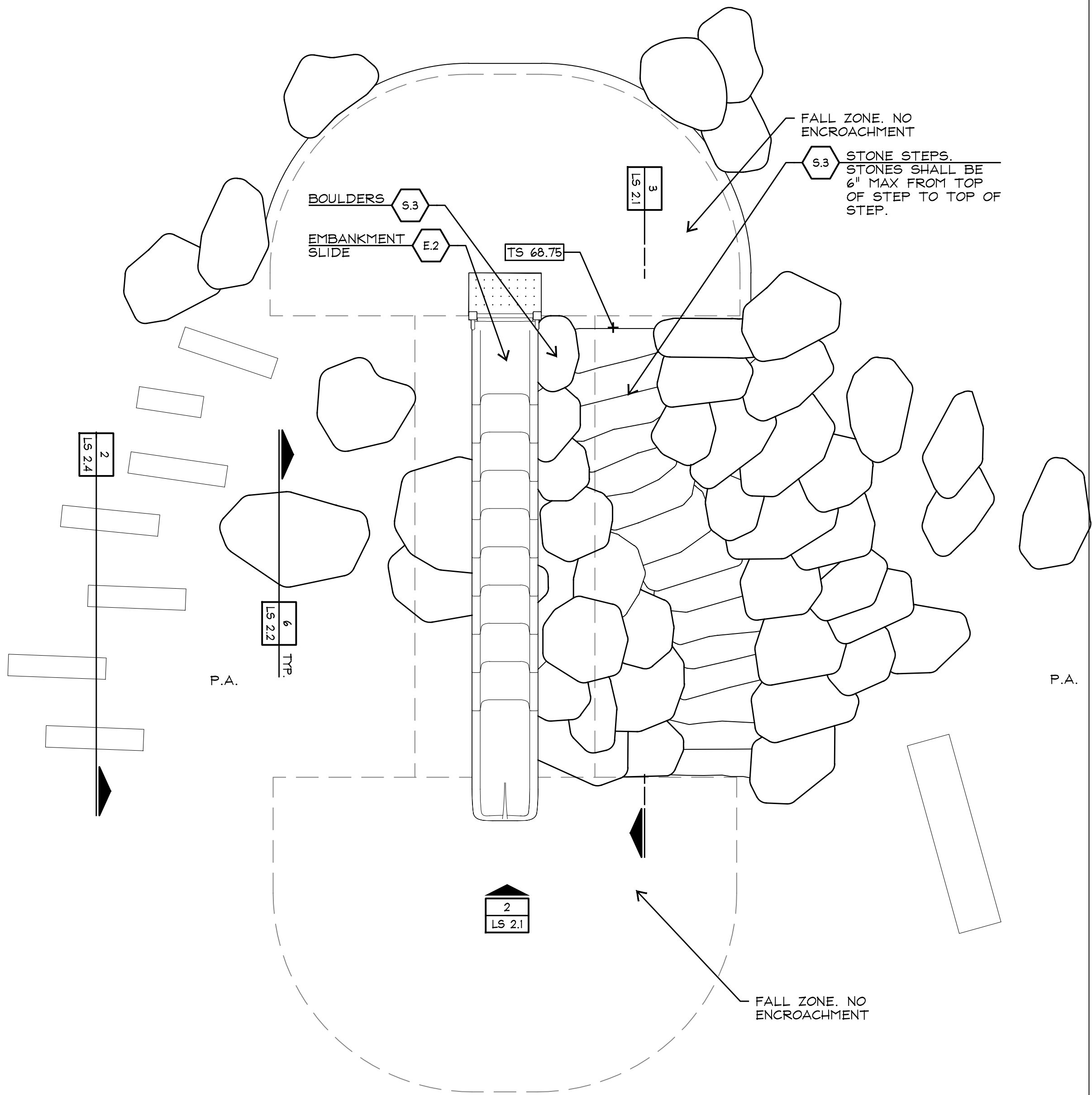
sheet

LS 2.1



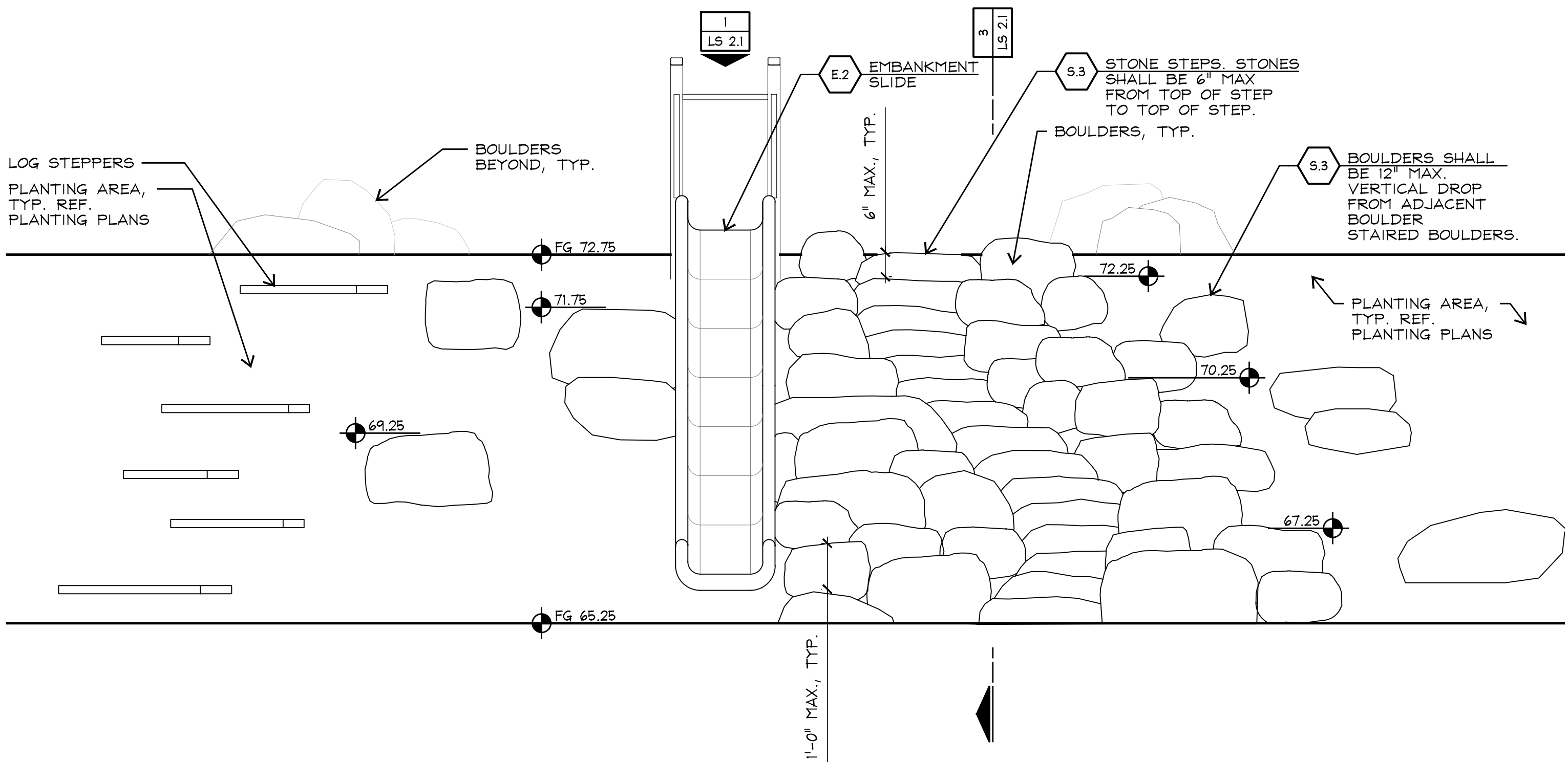
NOTES:

1. ALL BOULDERS AND BOULDER WALLS AT
ROCK SCRAMBLE SHALL BE TYPE 5.3
UNLESS OTHERWISE NOTED.



3 EMBANKMENT SLIDE
SECTION

SCALE: 1/2"=1'-0"



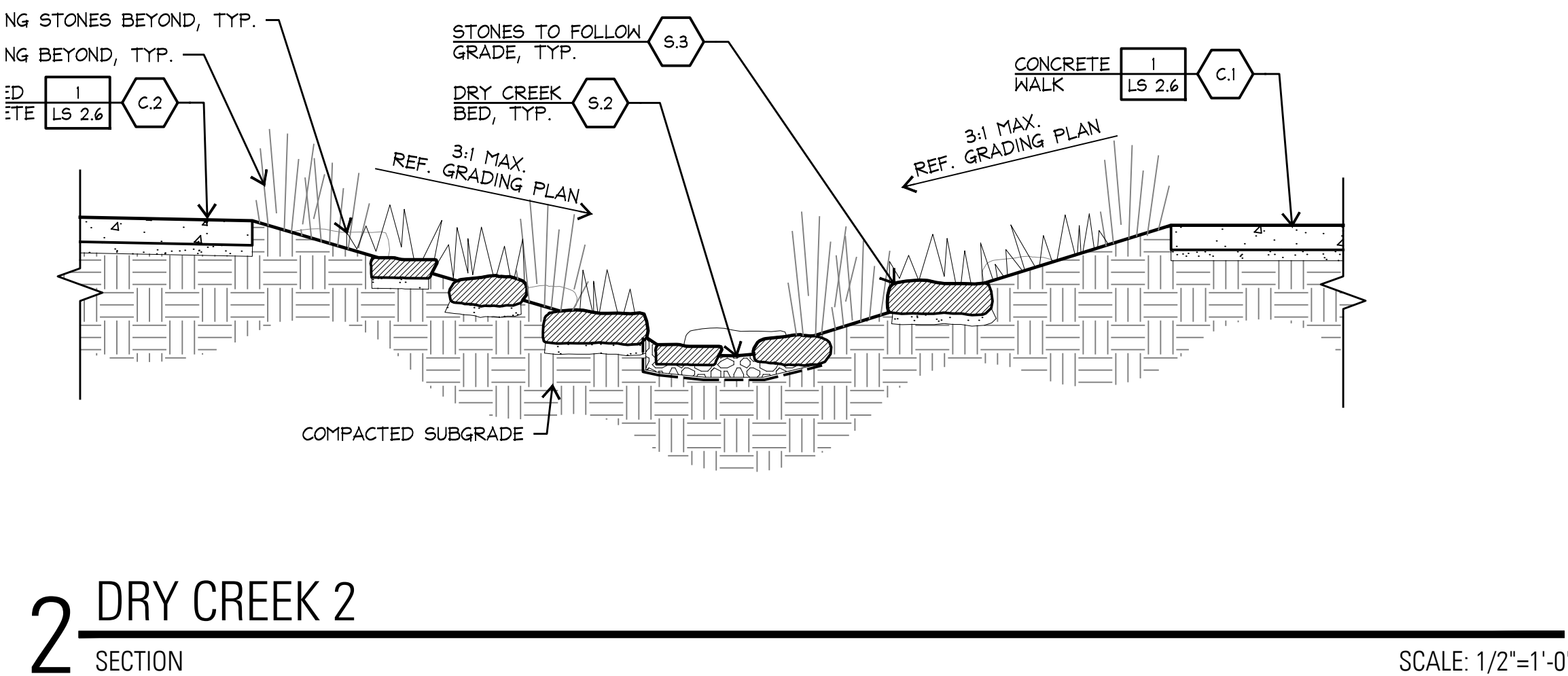
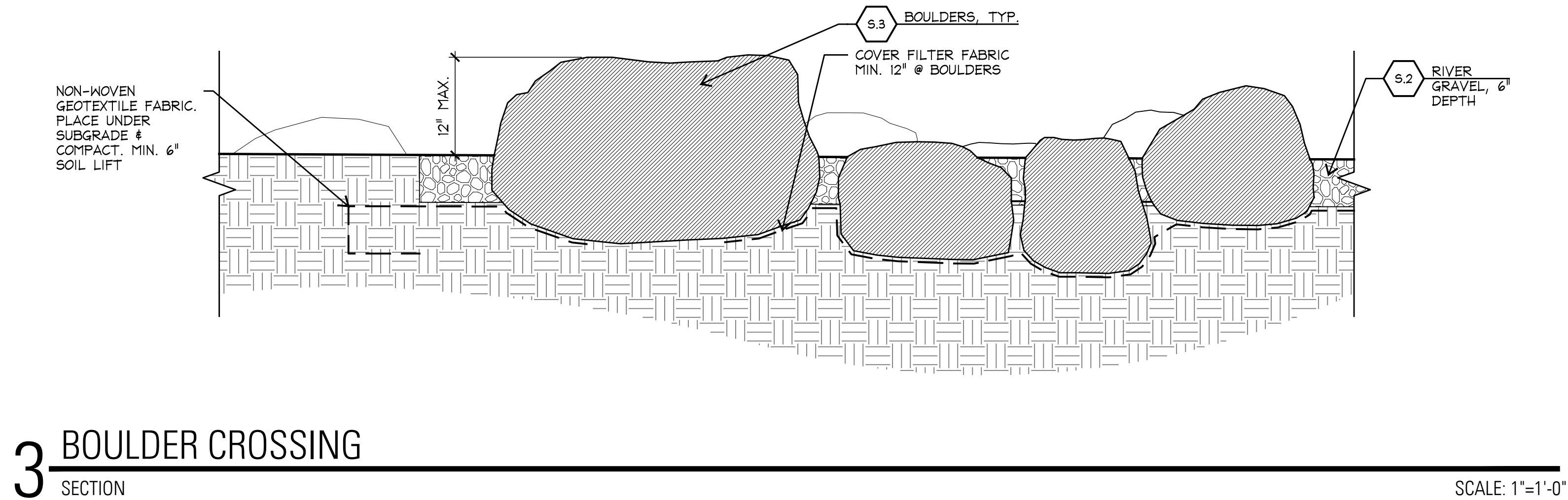
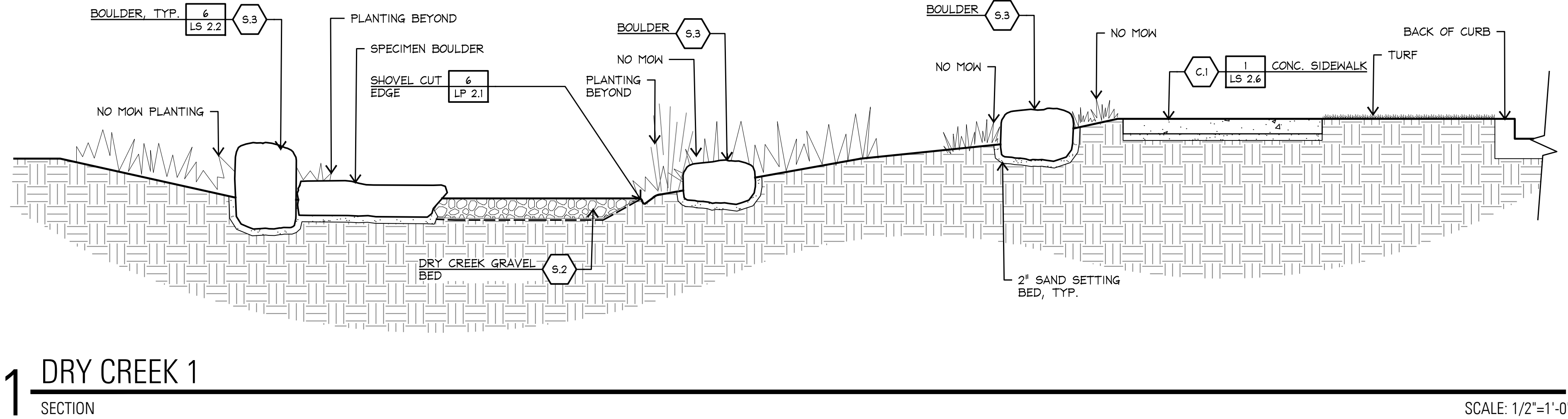
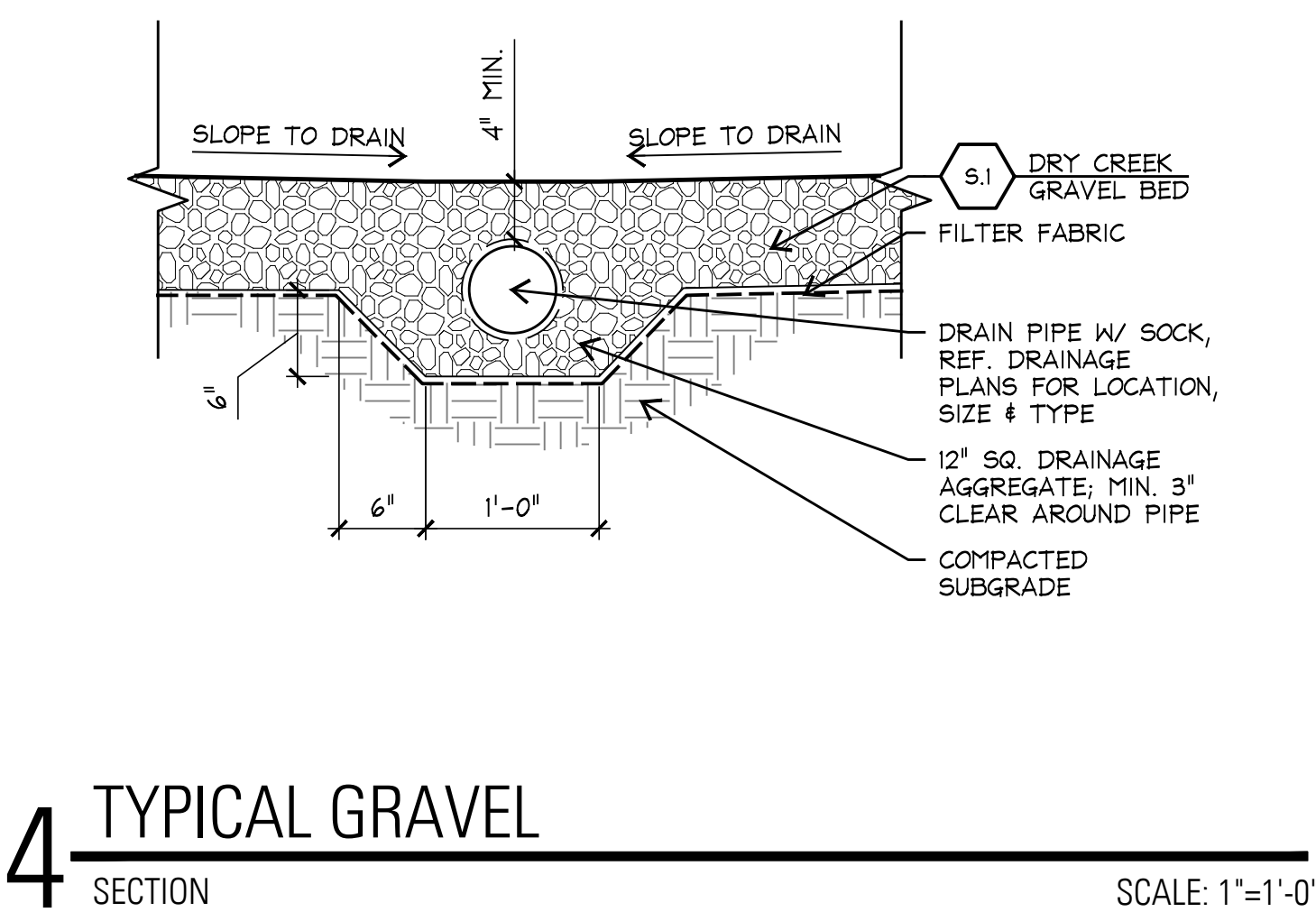
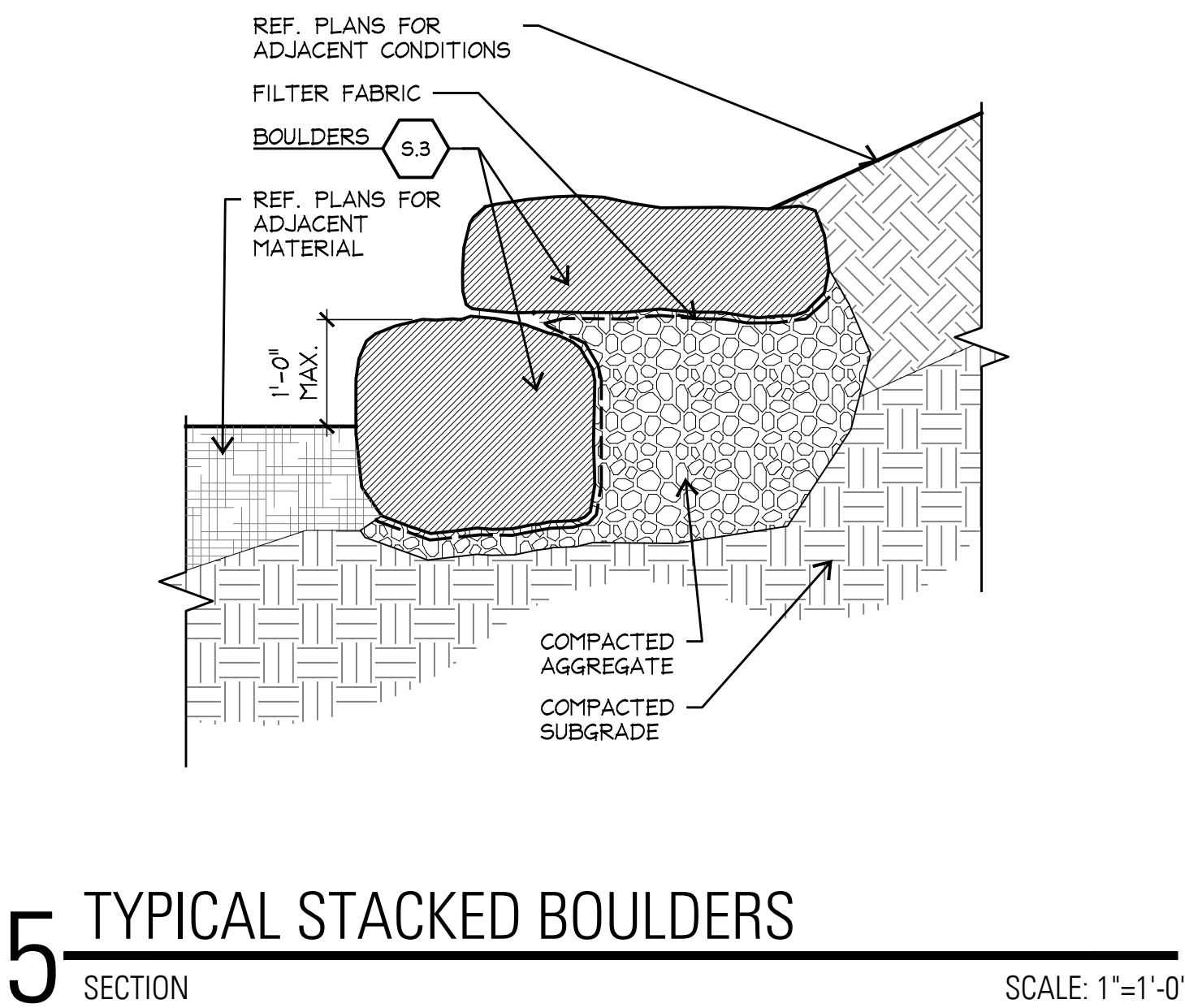
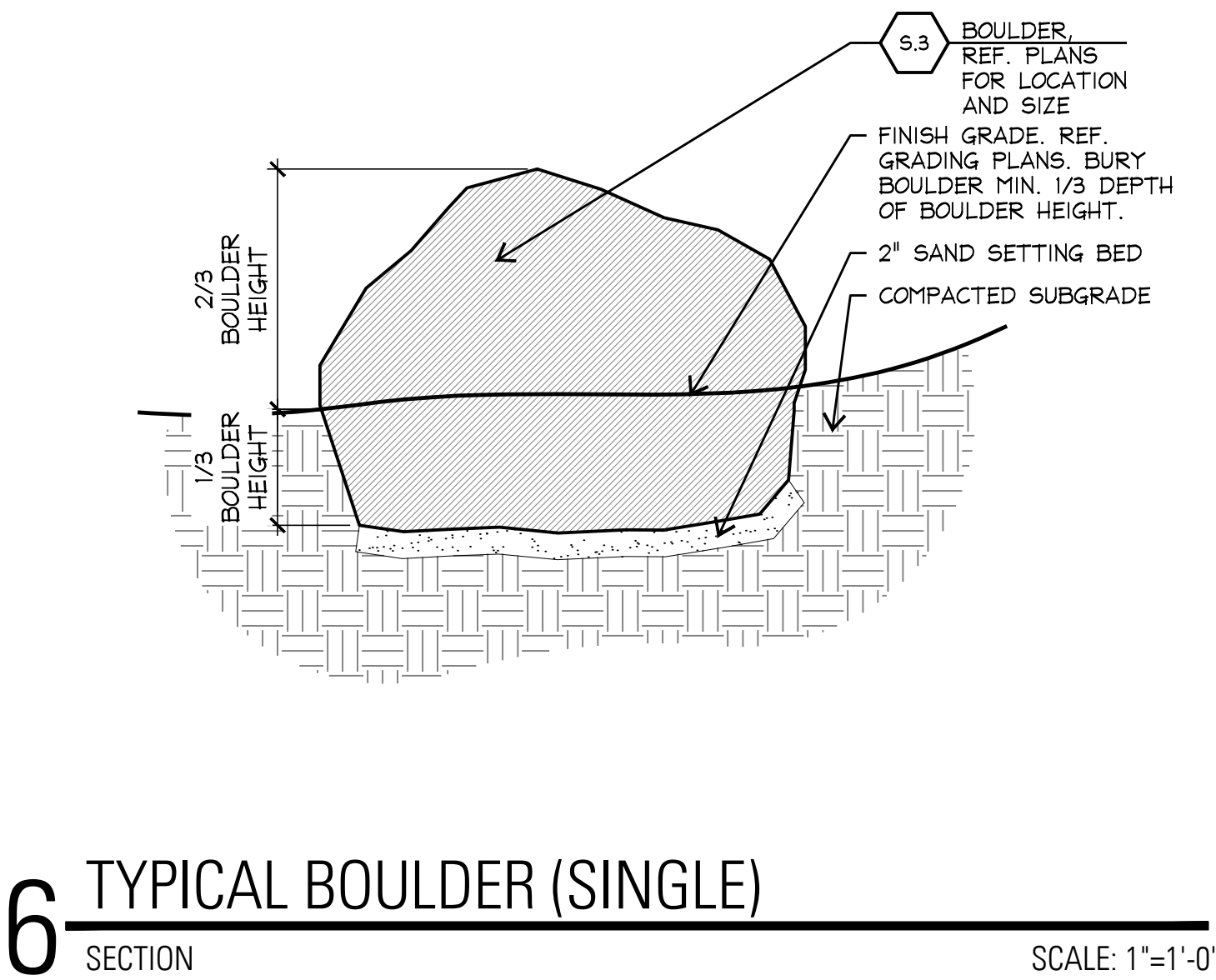
2 EMBANKMENT SLIDE
ELEVATION

SCALE: 1/2"=1'-0"

1 EMBANKMENT SLIDE
PLAN

SCALE: 3/8"=1'-0"

P:\H20378 - Echo Park at Riverstone\03 Development\04 Contract Documents\04 CAD\02 Sheets\04-LS-H20378-LS2-01.dwg



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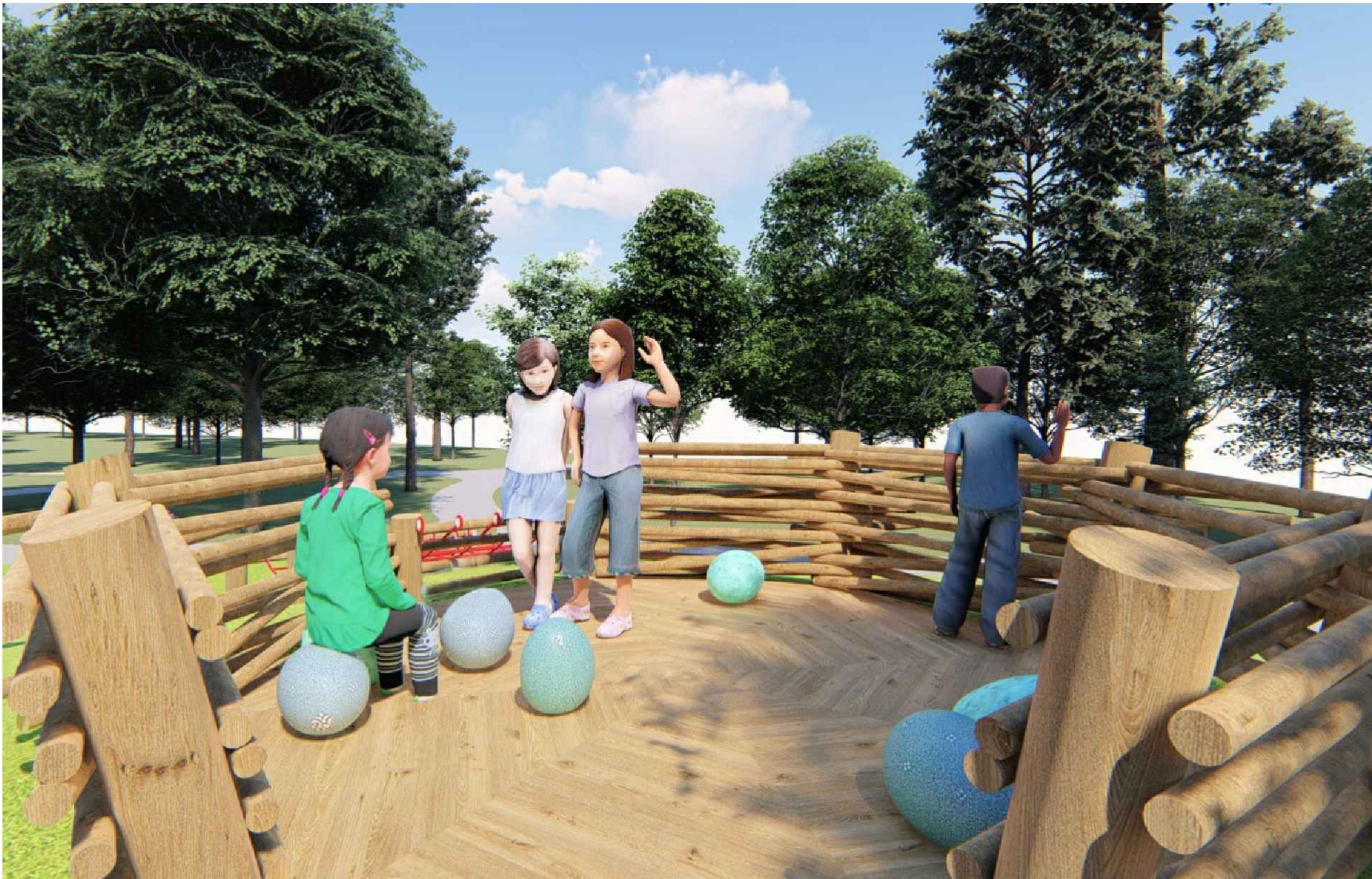
sheet title

boulder details

sheet

LS 2.2

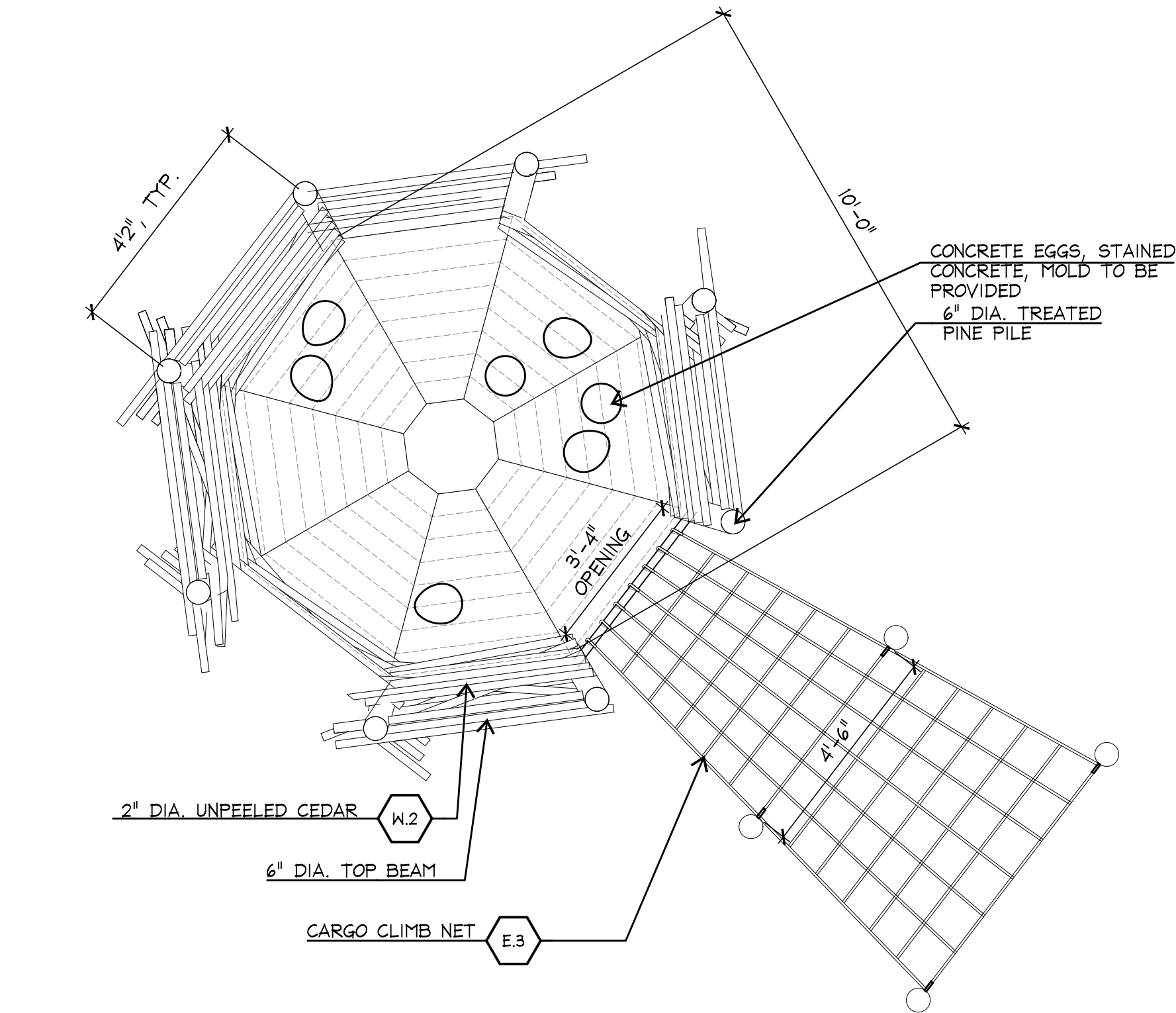
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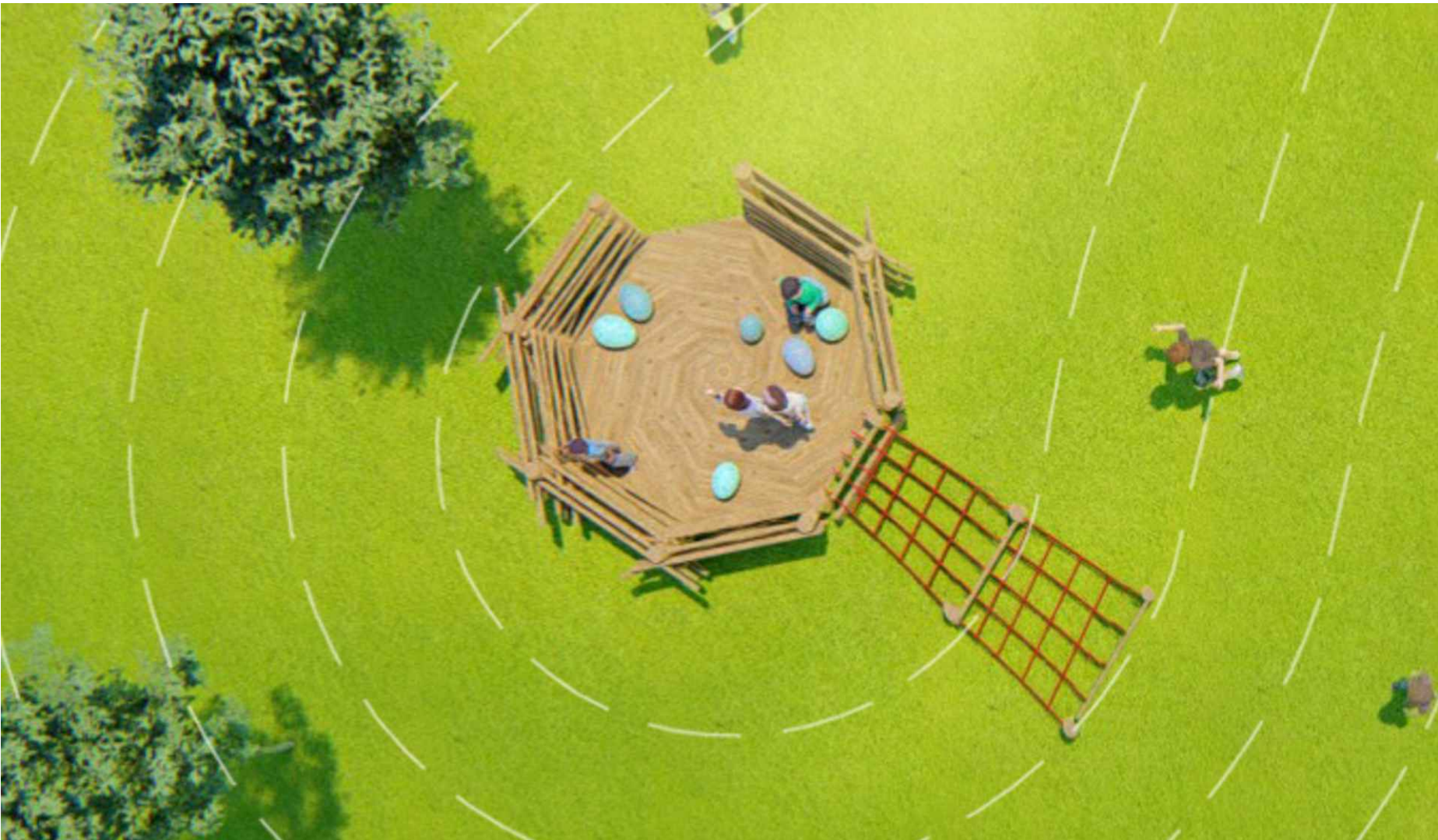
4 THE NEST - DESIGN INTENT
PLAN NOT TO SCALE



3 THE NEST - DESIGN INTENT
PLAN NOT TO SCALE



2 THE NEST OVERALL LAYOUT
ENLARGED PLAN SCALE: 3/8"=1'-0"



1 THE NEST - DESIGN INTENT
PLAN NOT TO SCALE



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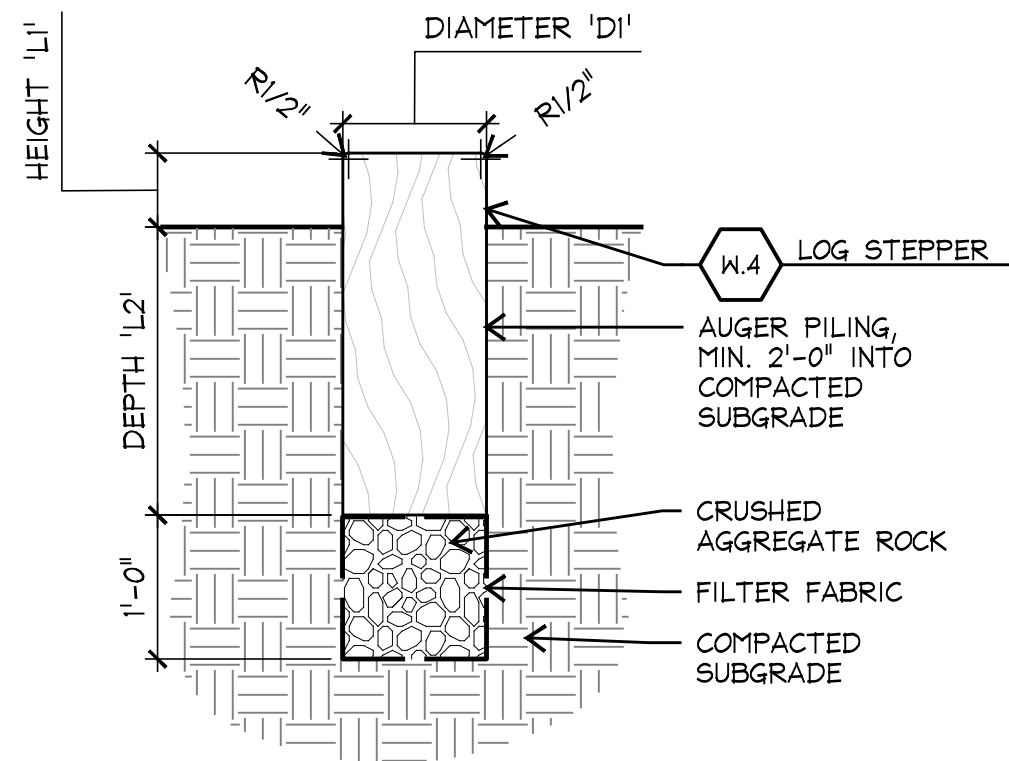
nest details

sheet

LS 2.3

P:\H20378 - Echo Park at Riverstone\03 Development\04 Contract Documents\04 CAD\02 Sheets\04-LS-H20378-LS2-01.dwg

- GENERAL NOTE:
1. ORIENTATION AND LOCATION OF STEPPERS AND POSTS TO BE FIELD VERIFIED.
2. STAIN TO BE SHERWIN WILLIAMS EXTERIOR STAIN WITH CLEAR SEALANT.
3. STAIN COLORS TBD BY L.A.
4. CONFIRM COLORS WITH L.A. PRIOR TO STAINING POSTS.



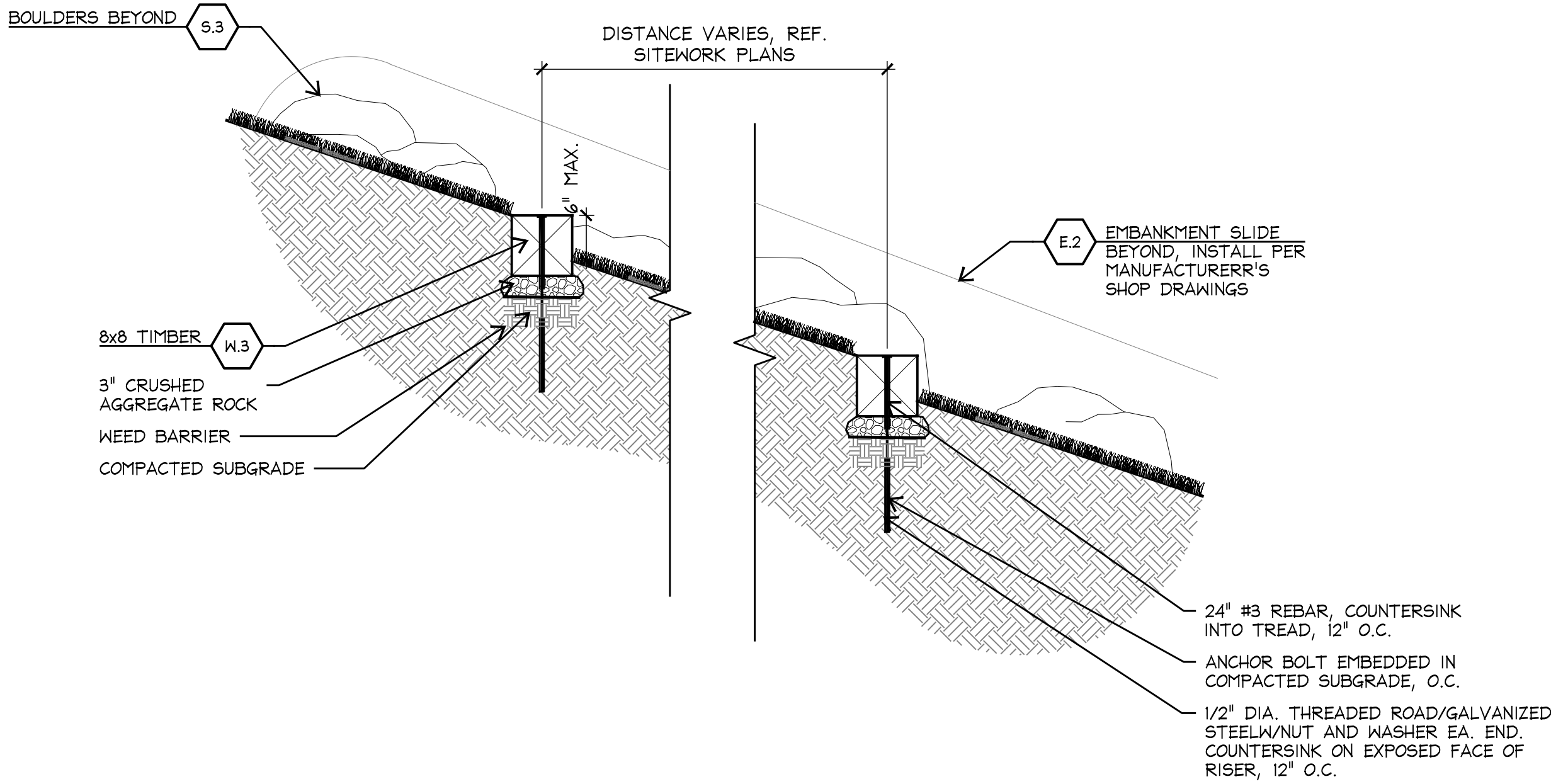
4 TYP. LOG PILES SECTION

SCALE: 3/4"=1'-0"

NOT USED

3 LOG CROSSING

SCALE: 1"=1'-0"



2 TIMBER STEPPERS

SCALE: 1"=1'-0"

NOT USED

1 PLANS AND SCHEDULES

SCALE: 1"=1'-0"



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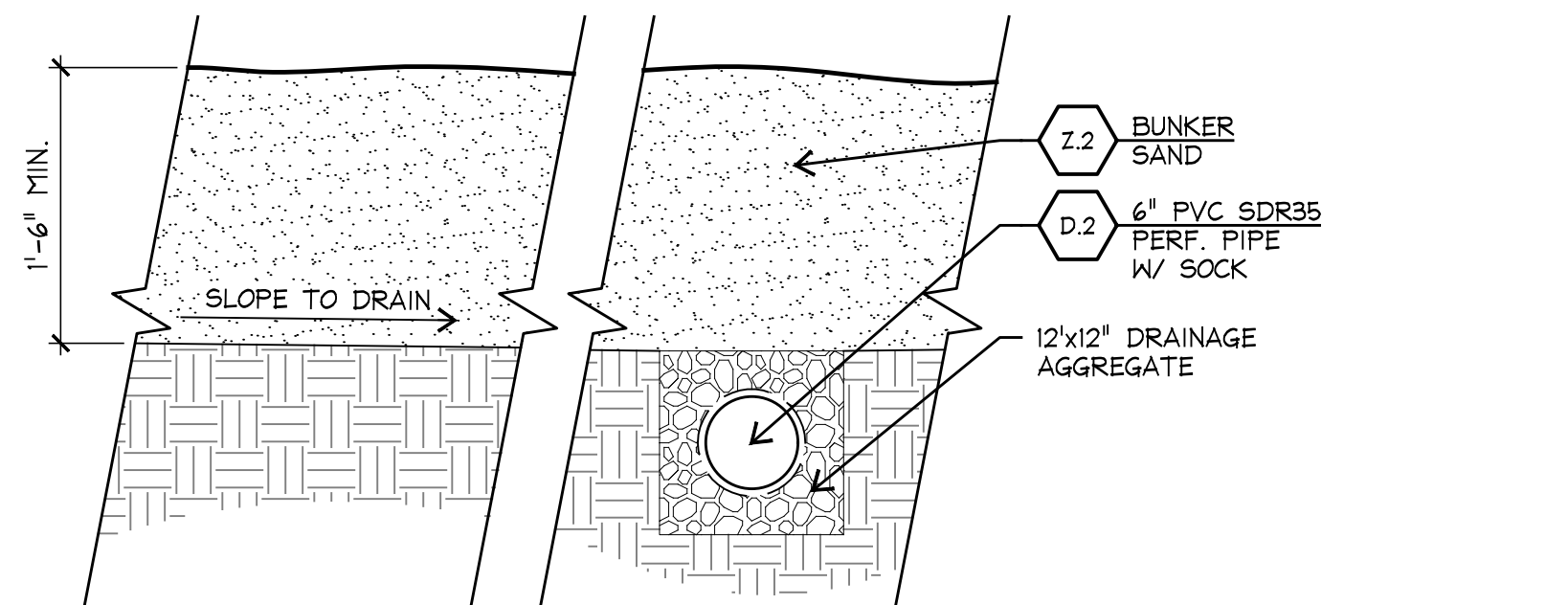
reviewed: JZ MM

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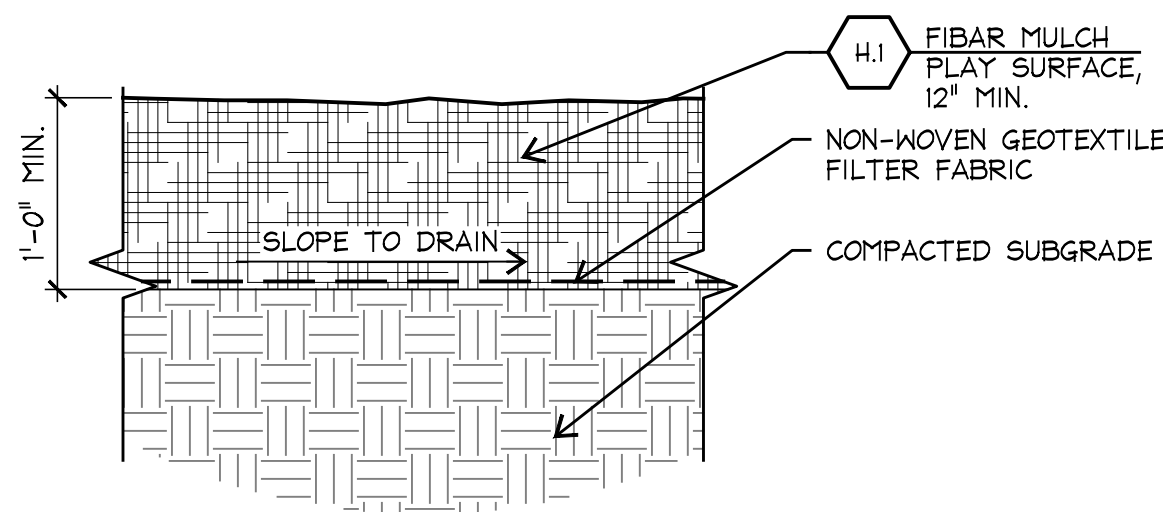
log details

sheet

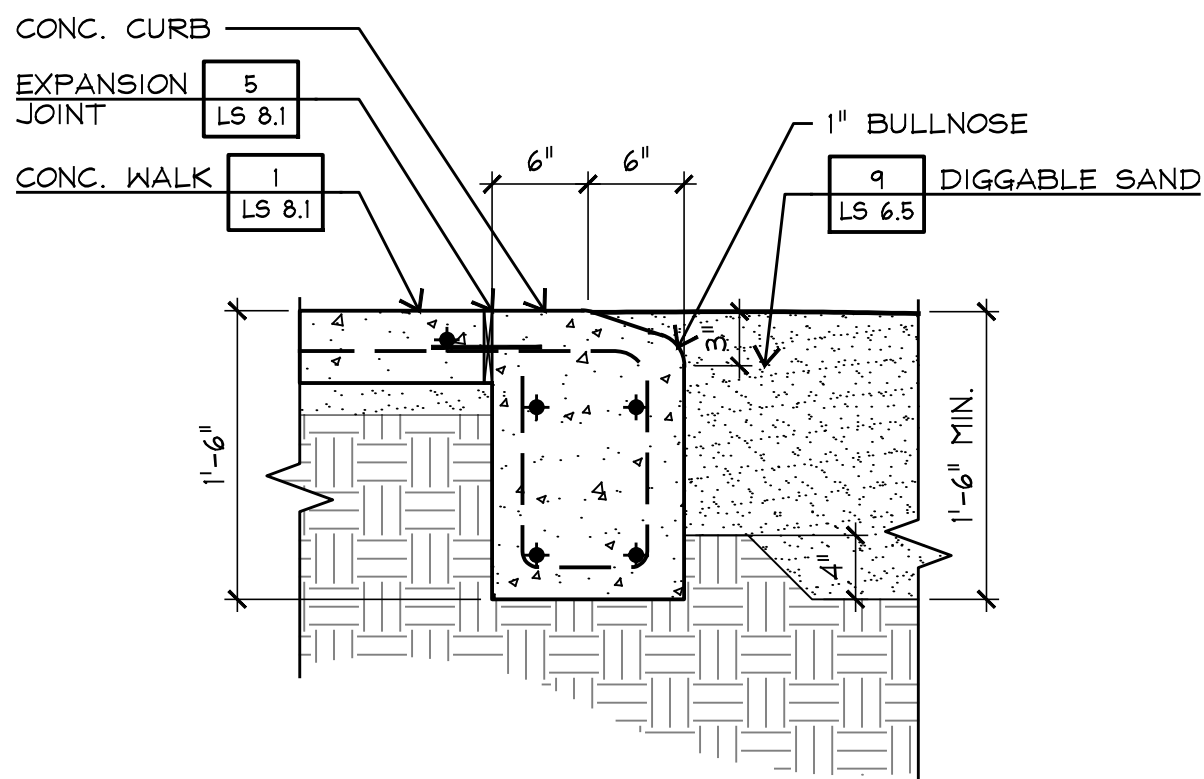
LS 2.4



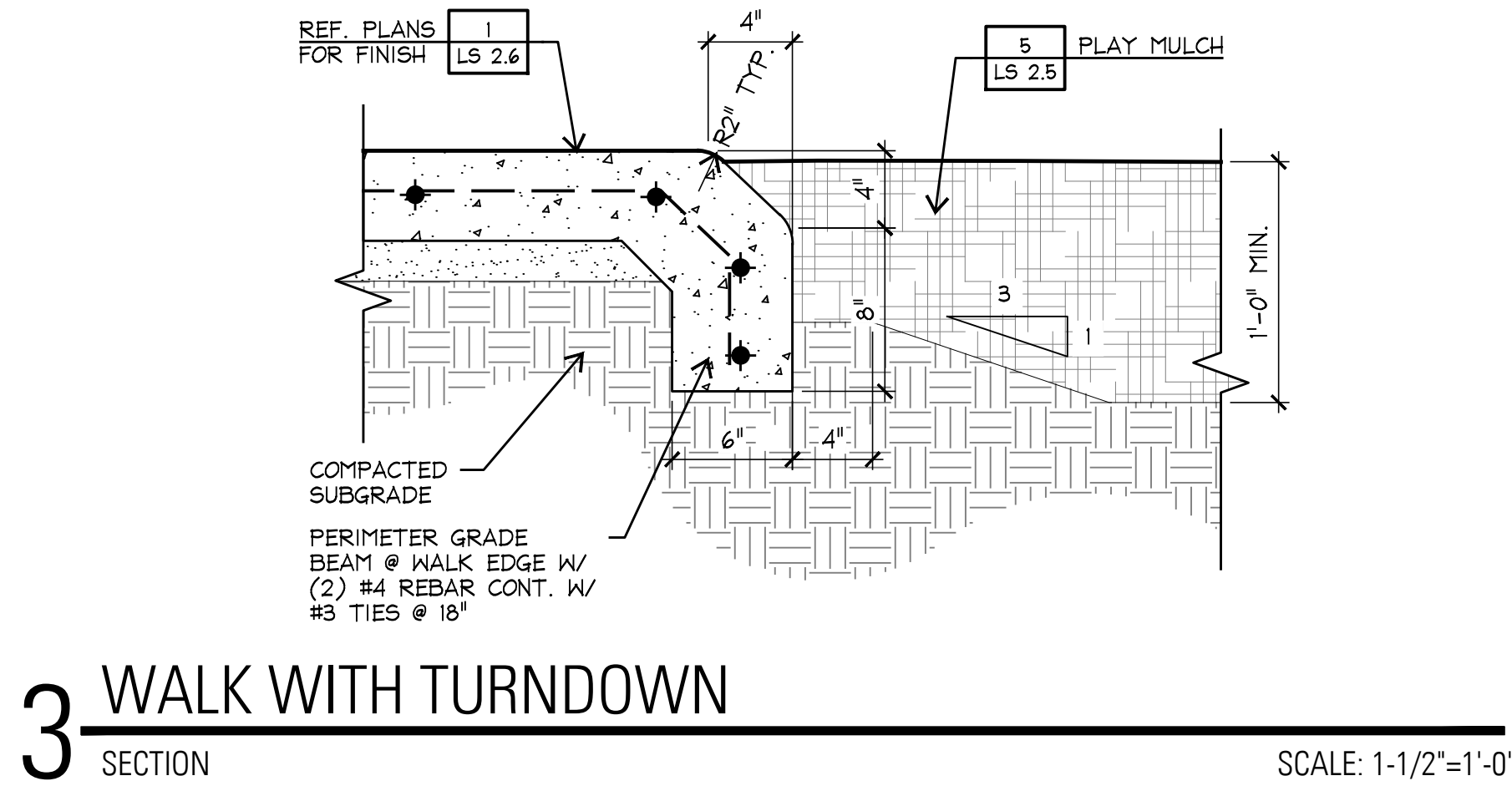
6 TYPICAL SAND
SECTION
SCALE: 1"=1'-0"



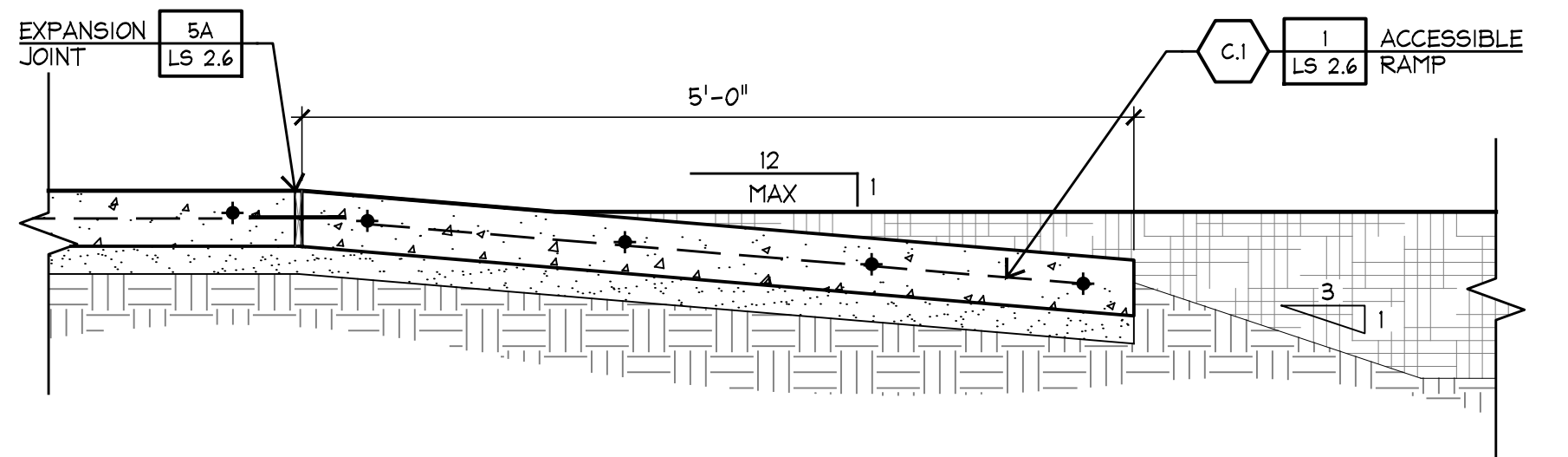
5 TYPICAL MULCH
SECTION
SCALE: 1"=1'-0"



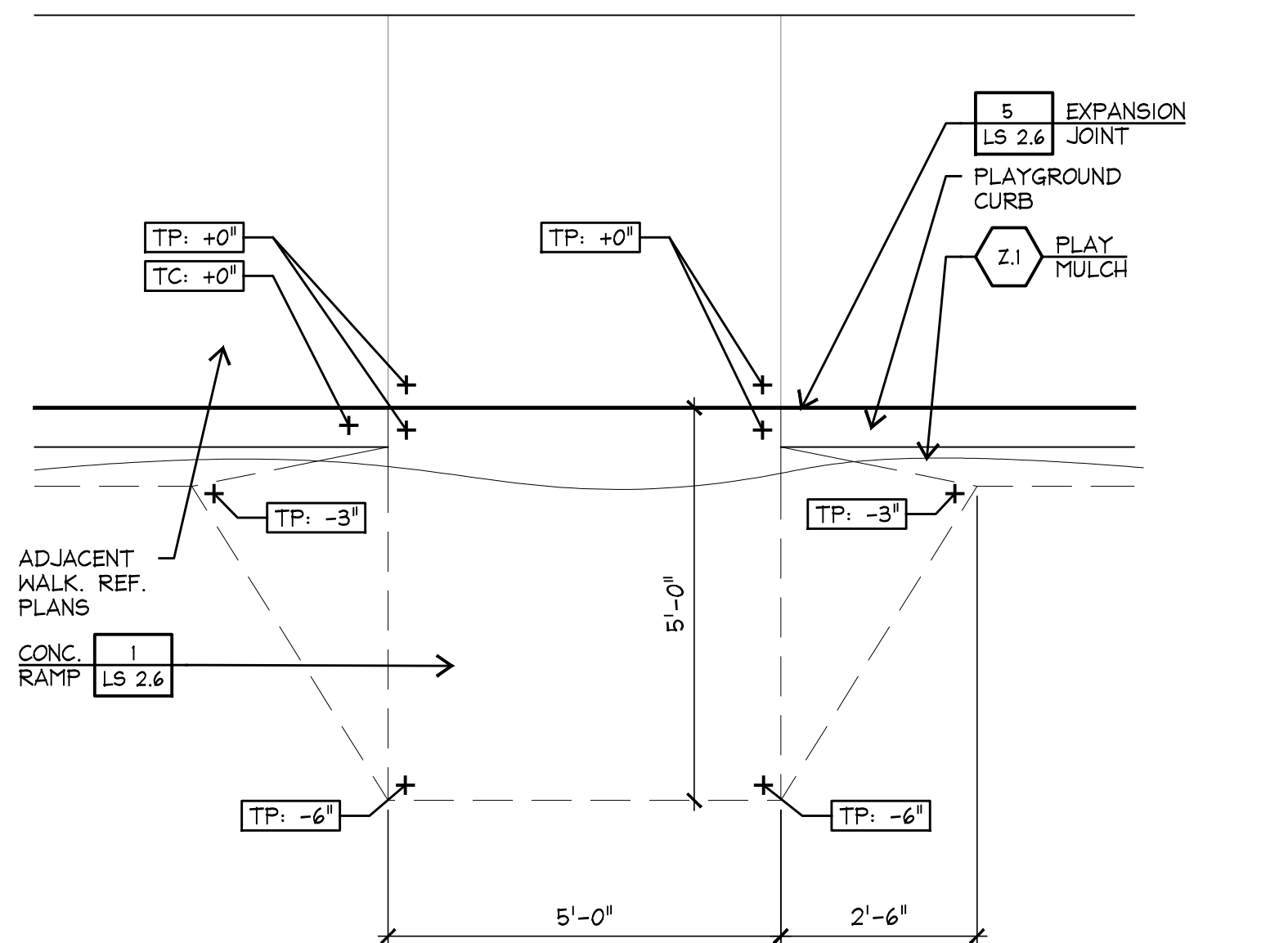
4 TYPICAL CURB AT SAND
SECTION
SCALE: 1"=1'-0"



3 WALK WITH TURNDOWN
SECTION
SCALE: 1-1/2"=1'-0"



2 ADA RAMP
SECTION
SCALE: 1"=1'-0"



1 ADA RAMP
PLAN
SCALE: 1/2"=1'-0"



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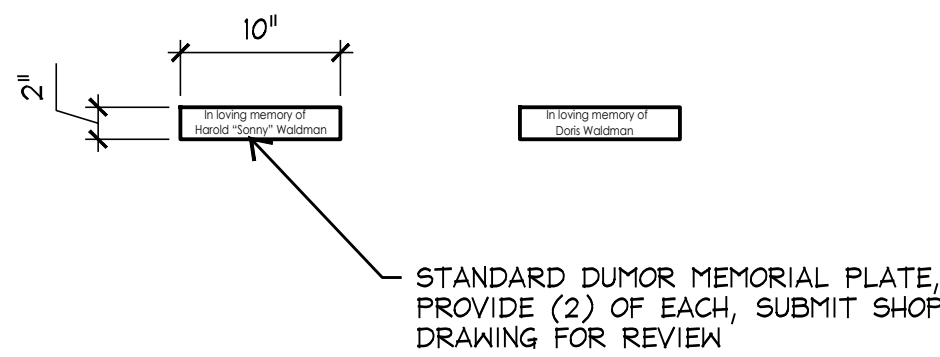
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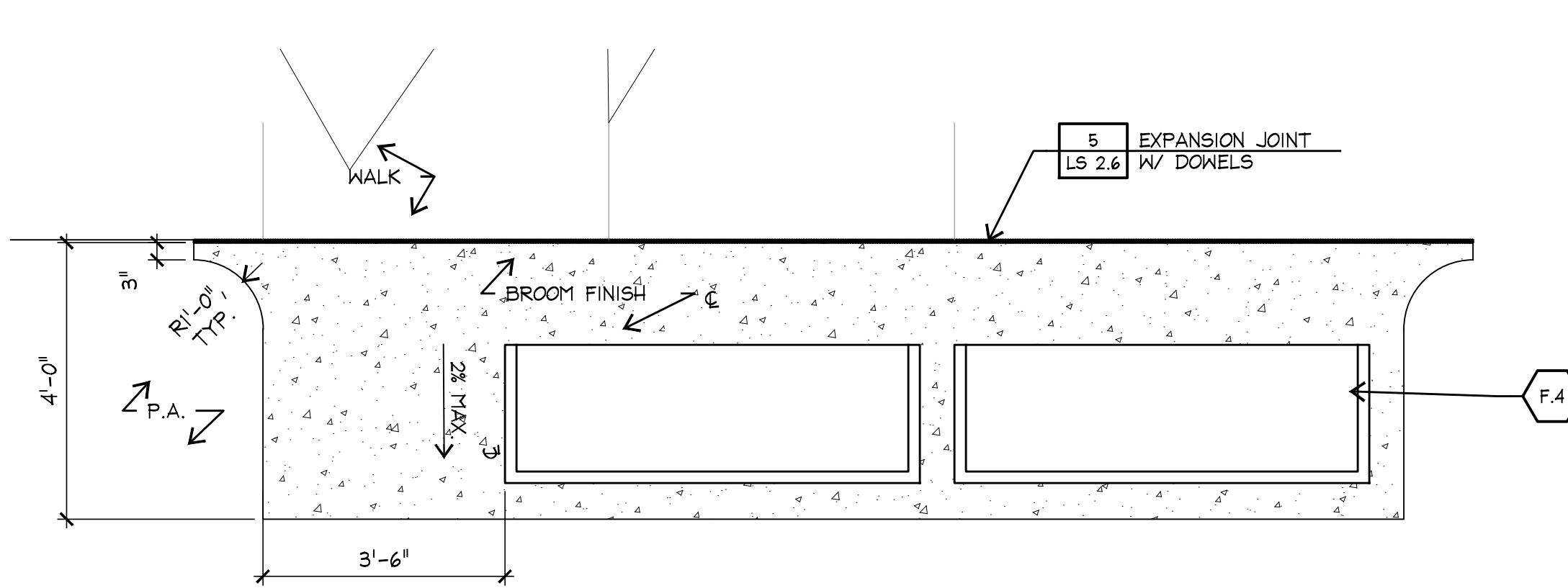
sheet title
**playground
details**

sheet
LS 2.5

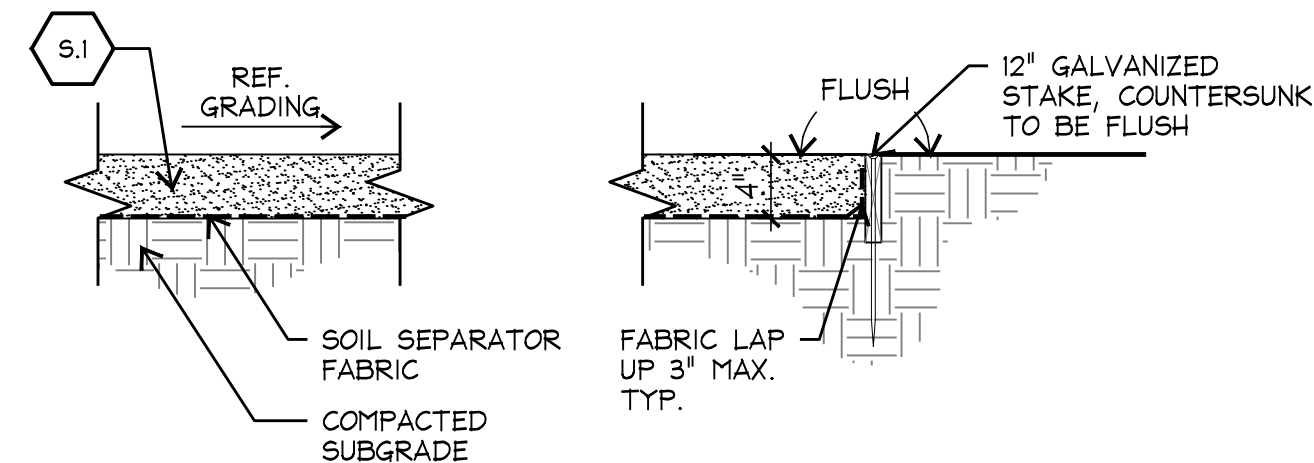
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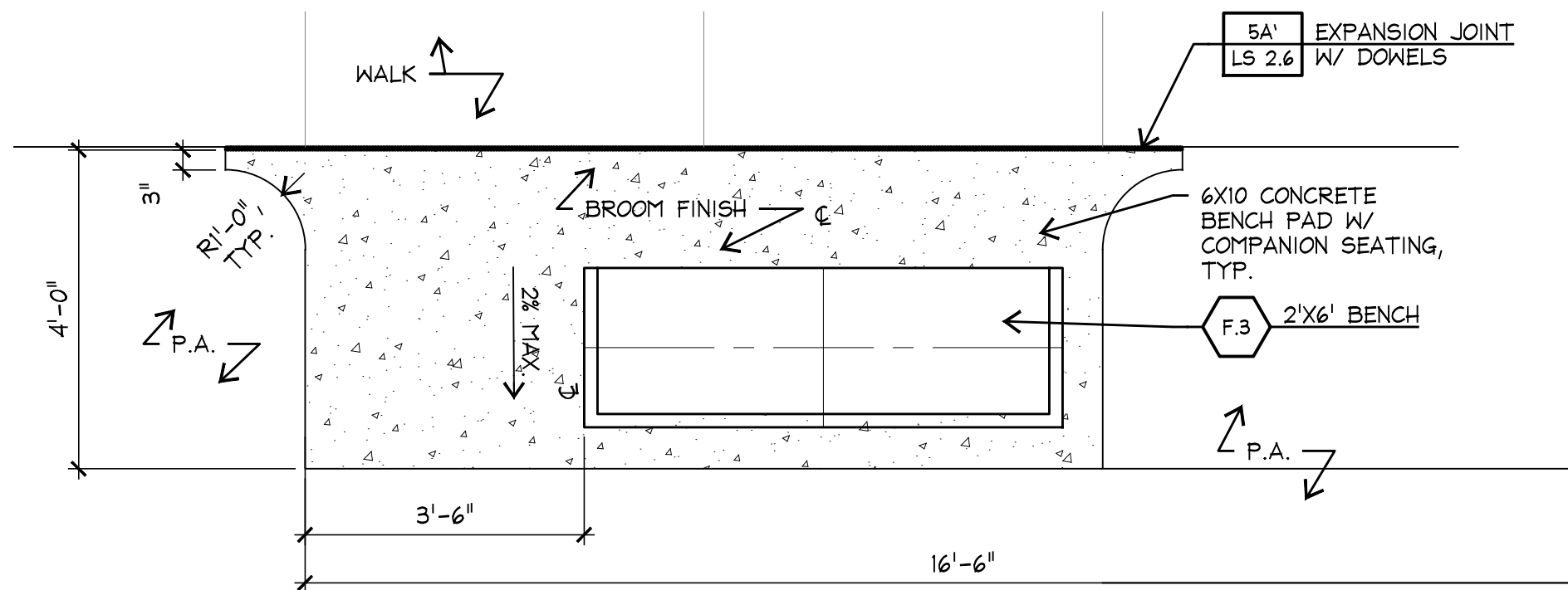
10 MEMORIAL PLAQUES



9 DOUBLE BENCH ON CONCRETE PAD

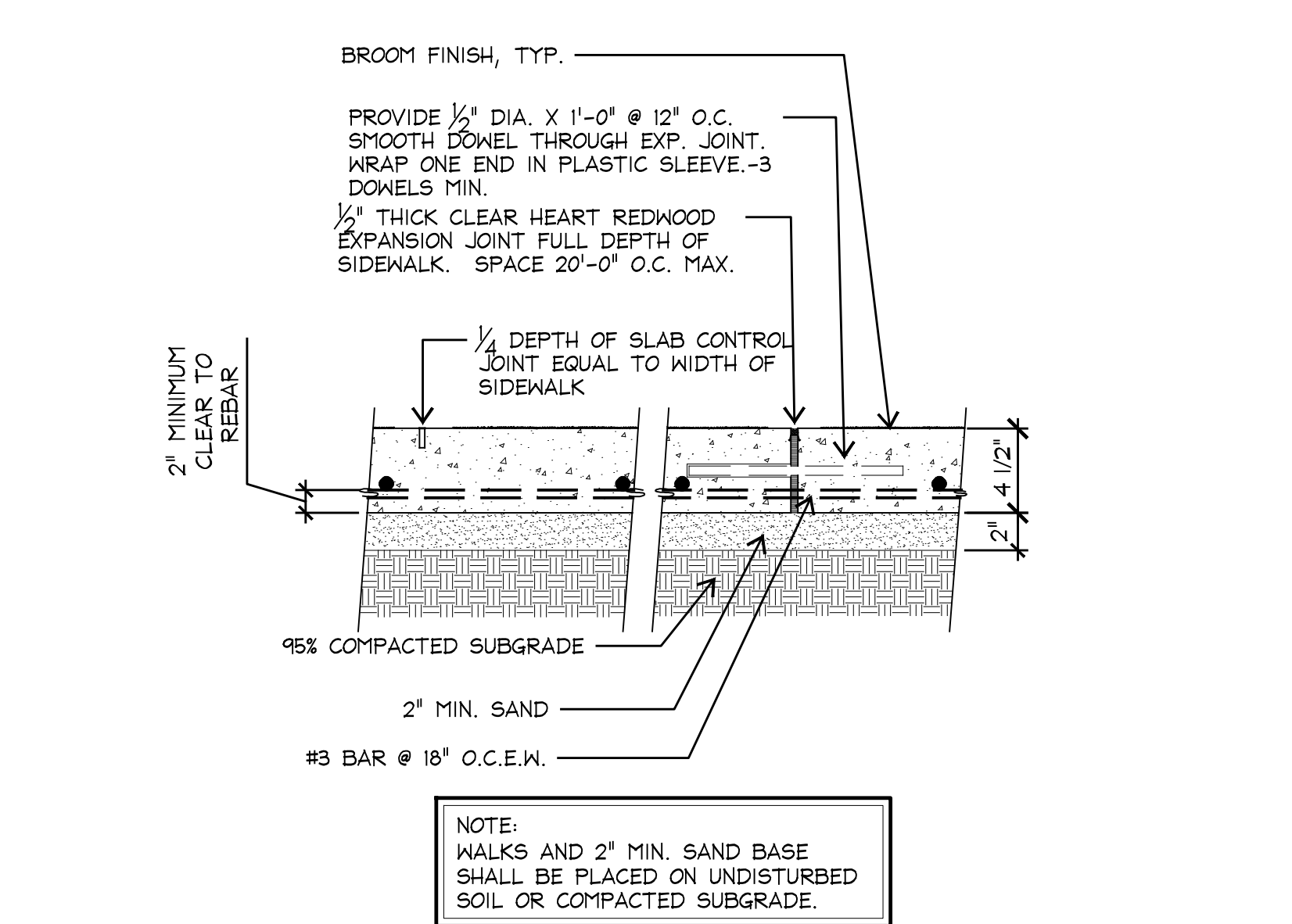


8 DECOMPOSED GRANITE

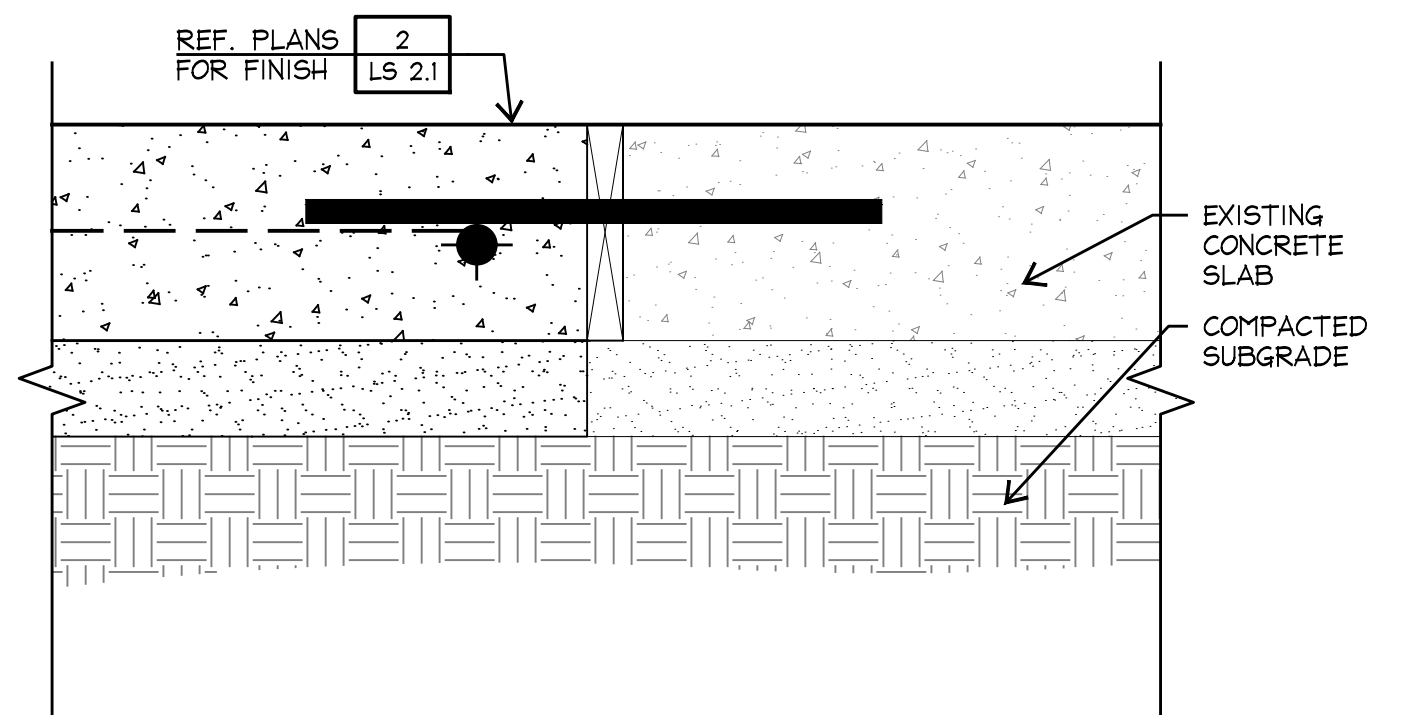


7 SINGLE BENCH ON CONCRETE PAD

6 WALK NEAR TREE PLANTING

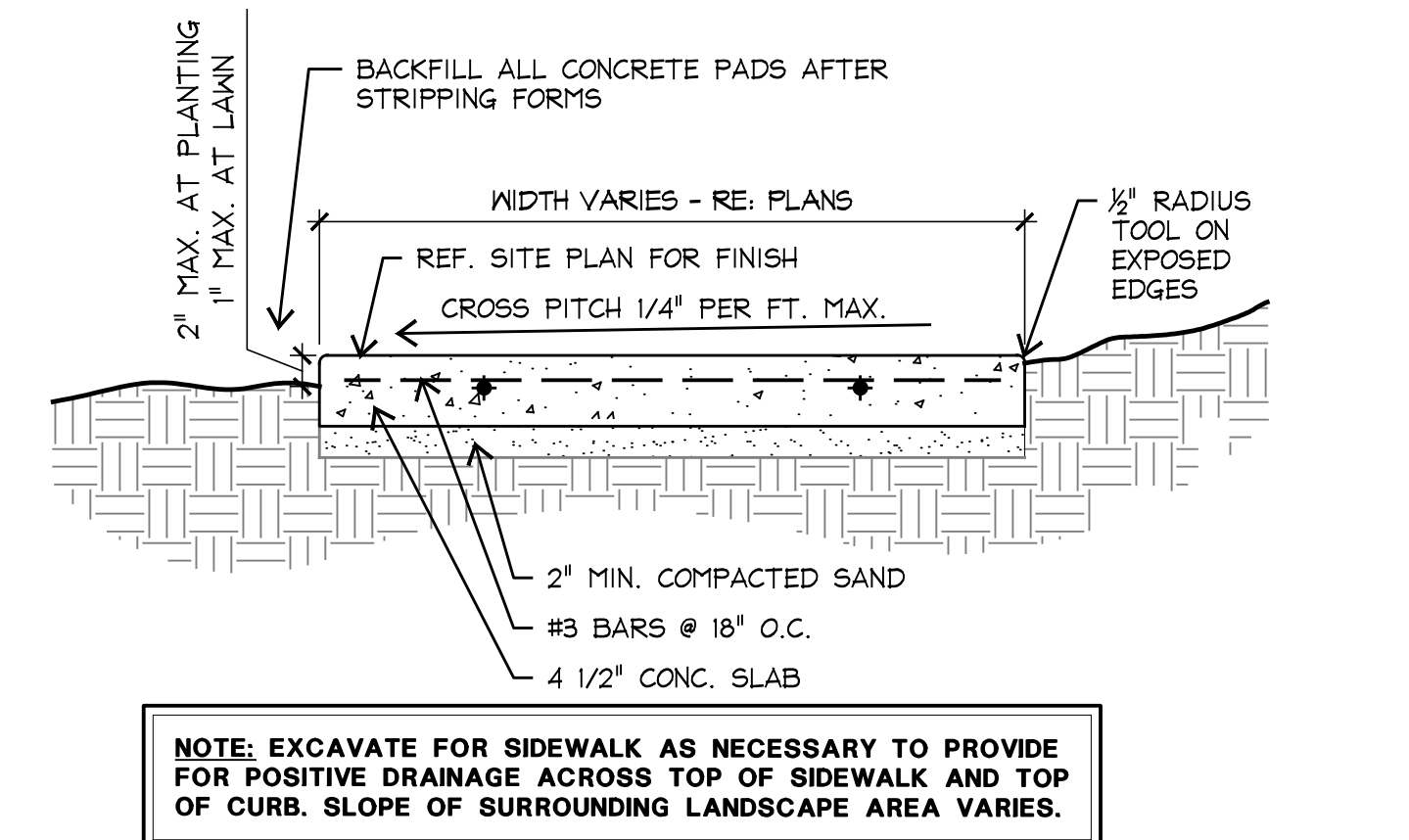


5 EXPANSION AND CONTROL JOINT

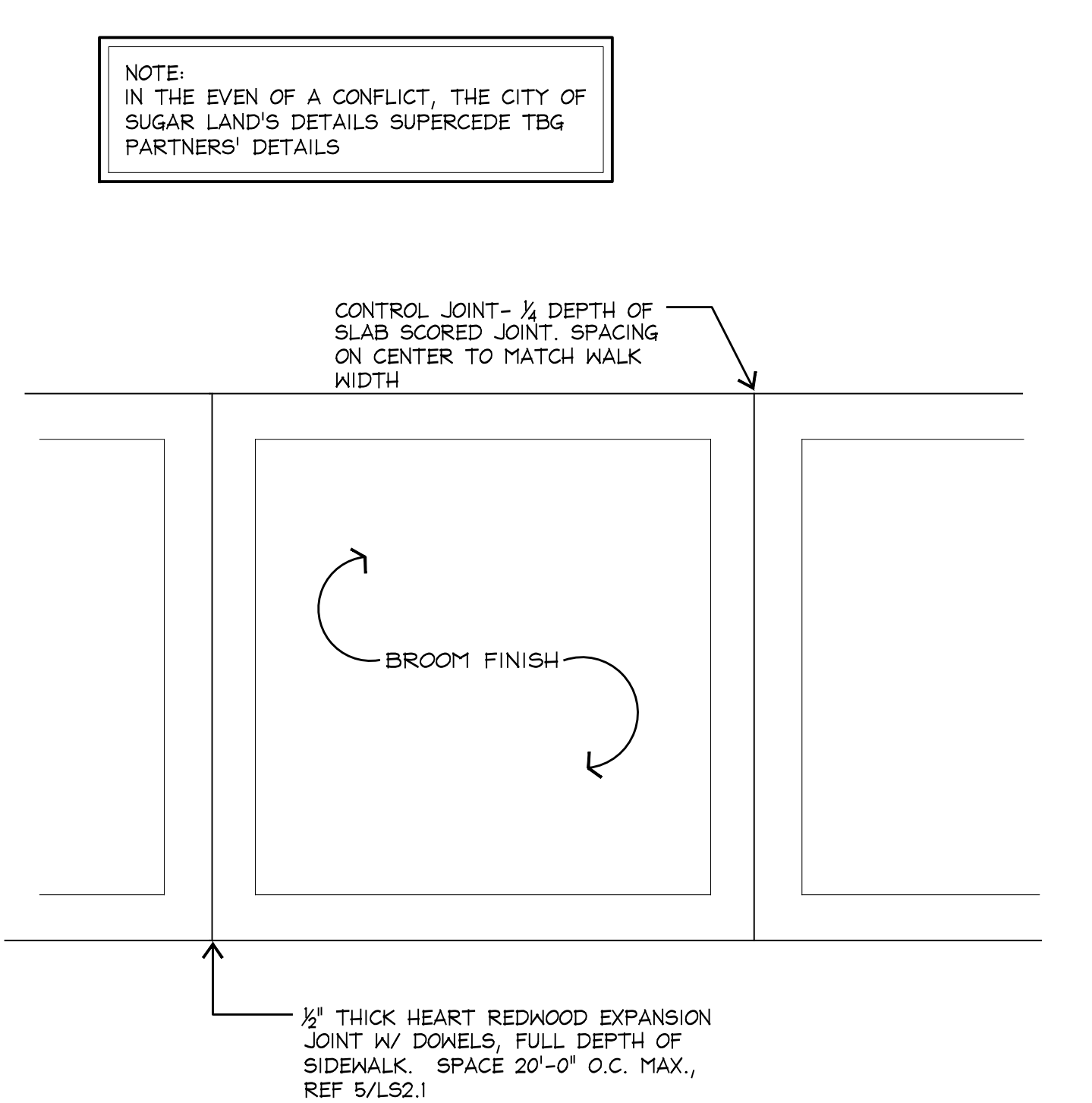


4 WALK TO EXISTING TO SLAB

3 WALK TO EXISTING WALK



2 CONCRETE WALK LAYOUT



1 CONCRETE WALK LAYOUT



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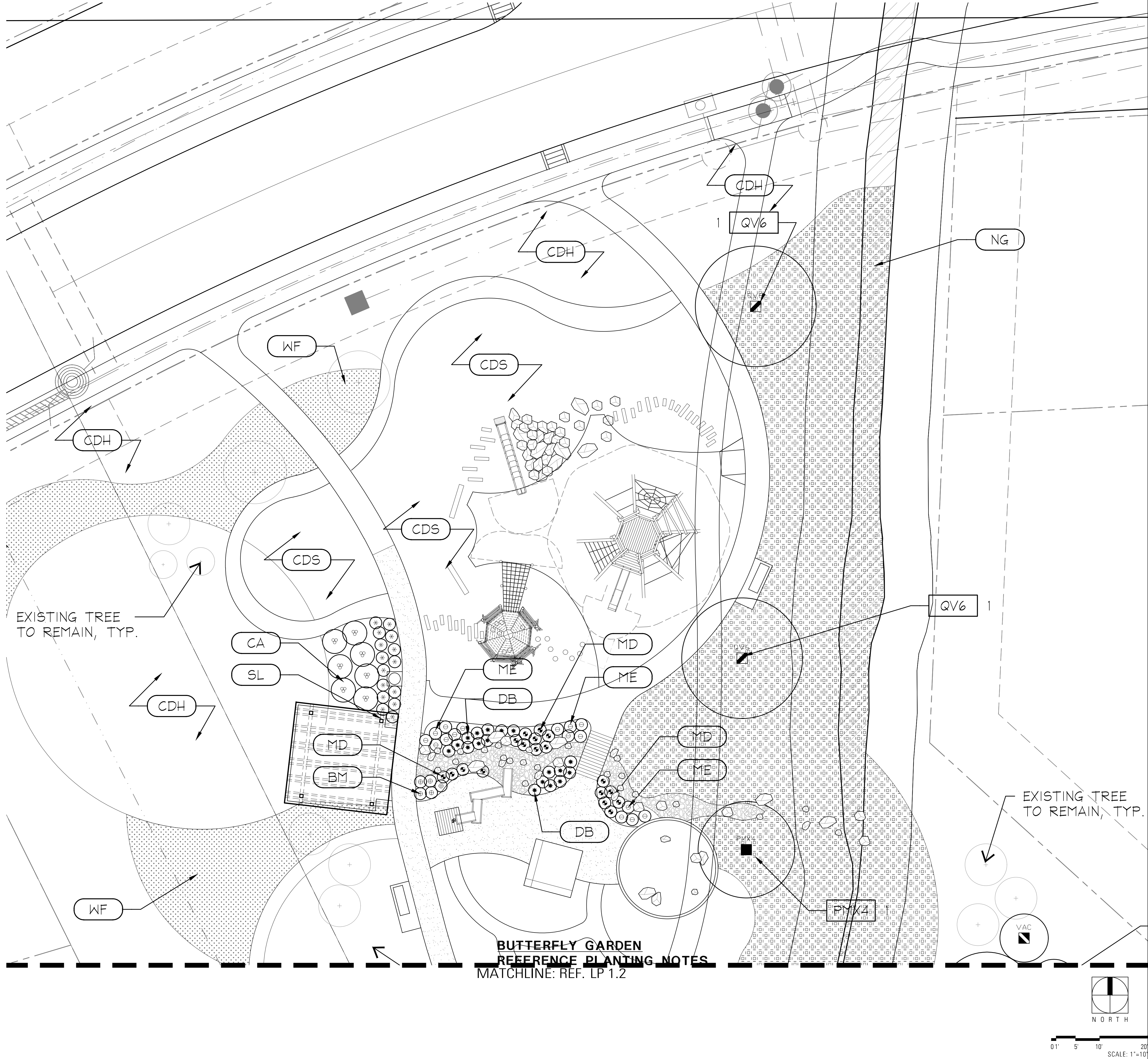
sheet title

flatwork
details

sheet

LS 2.6

NOTE:
3' MOW PATHS ARE TO BE LAID
OUT IN FIELD AND APPROVED BY
LANDSCAPE ARCHITECT, MOW
PATHS WILL RECEIVE BERMUDA
HYDROMULCH



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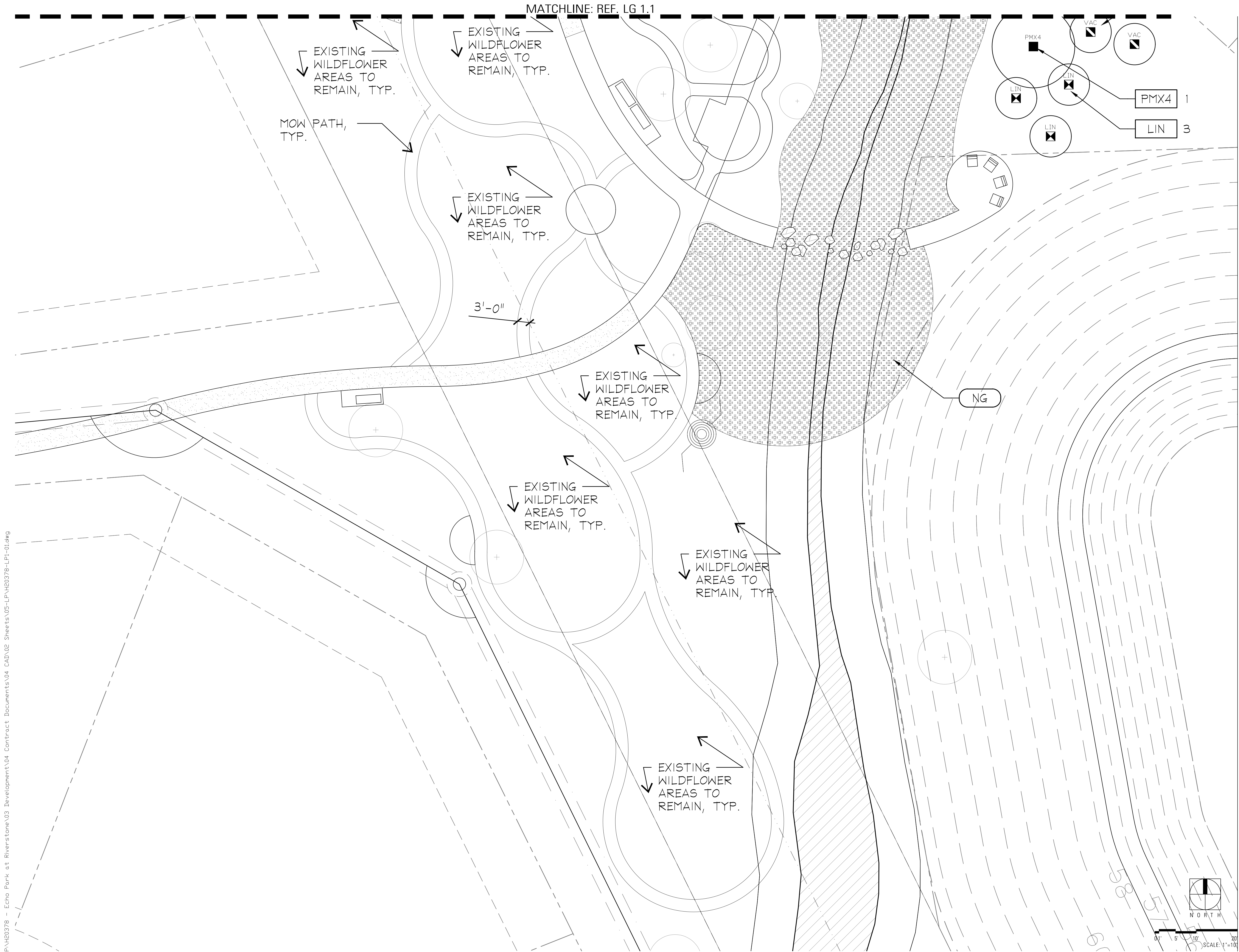
reviewed: JZ MM

sheet title

planting plan

sheet

LP 1.1



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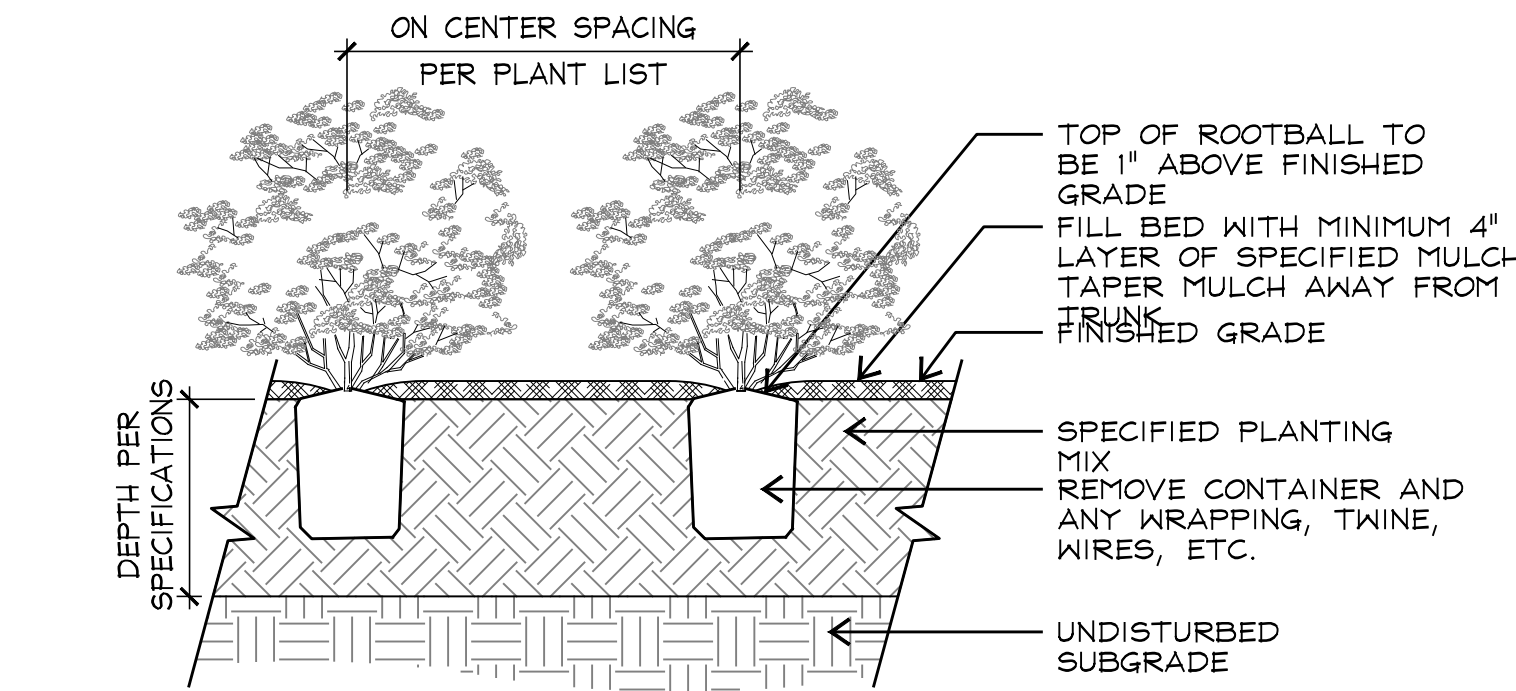
LP 1.2

GENERAL LANDSCAPE NOTES:

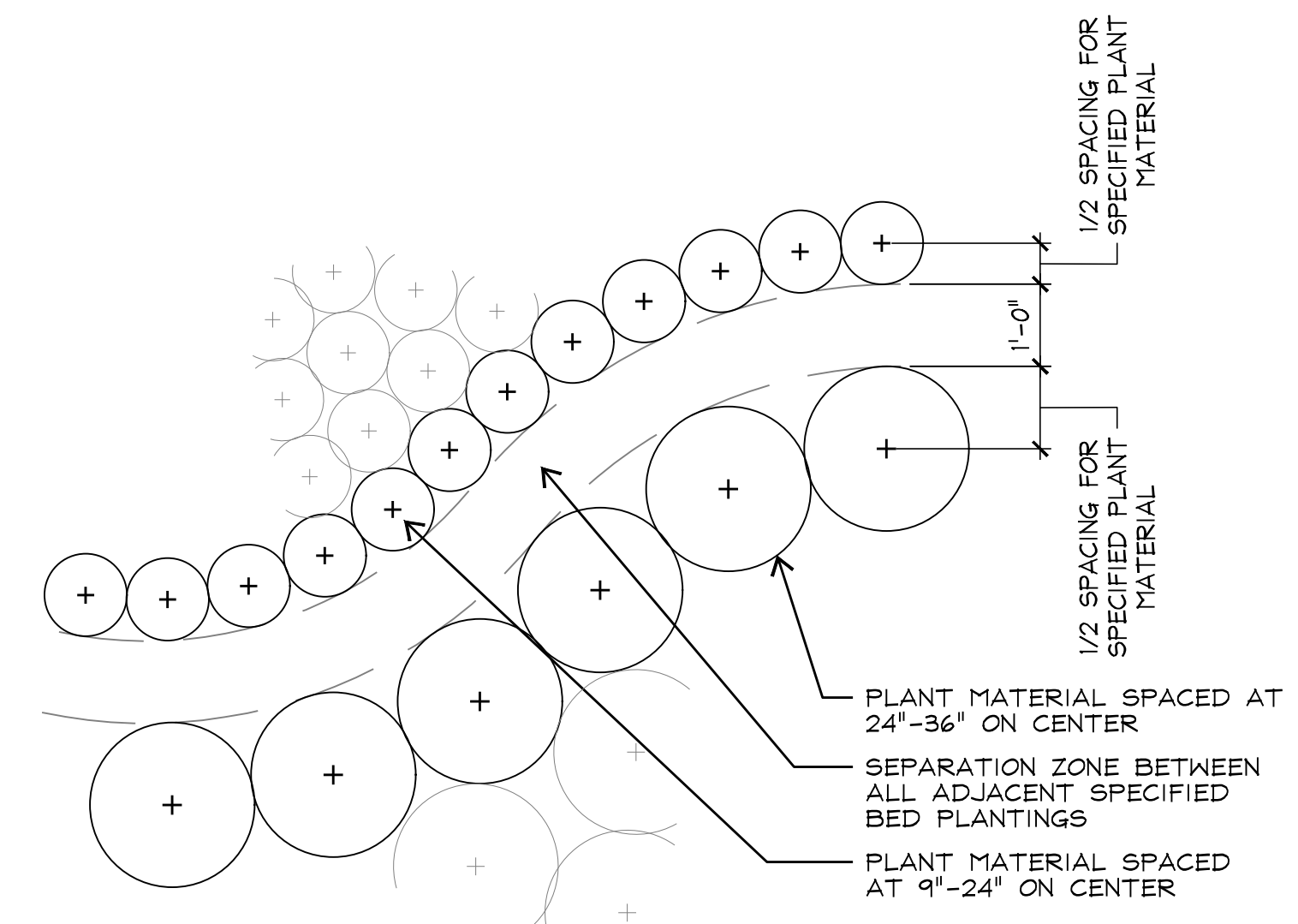
- 1.) CONTRACTOR SHALL BE FAMILIAR WITH ALL EXISTING SITE CONDITIONS AND UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY OF ANY COST INCURRED DUE TO BODILY INJURY AND/OR DAMAGE OF OWNER'S PROPERTY, AND STRUCTURES OR UTILITIES. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY COMPANIES BEFORE EXCAVATION. CONTRACTOR SHALL HAND DIG PLANTING PITS AND BEDS AND HAND RAKE LAWN AREAS AS REQUIRED.
- LOCATE AND VERIFY CONDITION OF ALL UTILITIES PRIOR TO ANY EXCAVATION. EXTREME CARE SHALL BE EXERCISED IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES.
- 2.) ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR THE LANDSCAPE ARCHITECT AND OWNER SHALL ASSUME THE CONTRACTOR HAS INCORPORATED THE COSTLIEST ITEM.
- 3.) DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY HAVE NOT BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- 4.) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH HIS SUBCONTRACTORS TO ACCOMPLISH HIS SCOPE OF WORK. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH OTHER TRADES WORKING ON THE SITE SIMULTANEOUSLY.
- 5.) CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING IRRIGATION AND LANDSCAPE ON SITE FROM ANY DAMAGE. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS IMMEDIATELY.
- 6.) CONTRACTOR SHALL NOTIFY OWNER AND LANDSCAPE ARCHITECT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
- 7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS, AND SHALL PERFORM FIELD MEASUREMENTS PRIOR TO FABRICATION AND/OR PURCHASE OF ANY MATERIAL AND SHALL CONTACT THE LANDSCAPE ARCHITECT SHOULD EXISTING CONDITIONS BE DIFFERENT FROM THE DESIGN DRAWINGS FOR THIS PROJECT. CONFLICTS ARISING DUE TO LACK OF COORDINATION SHALL BE THE RESPONSIBILITY AND THE EXPENSE OF THE CONTRACTOR.
- 8.) ANY REQUIRED CHANGES TO THE DRAWINGS RESULTING FROM THE ACCEPTANCE OF CONTRACTORS ALTERNATES AND/OR SUBSTITUTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT AND THE OWNER FOR APPROVAL.
- 9.) THE CONTRACTOR SHALL COORDINATE STORING OF MATERIALS, PARKING OF VEHICLES AND RESTRICTIONS OF WORK WITH THE OWNER. UNDER NO CIRCUMSTANCES SHALL ANY CONTRACTOR STORE MATERIALS OR PARK VEHICLES UNDER THE CANOPY OF EXISTING TREES.
- 10.) CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE ORDINANCES AND LOCAL CODES. REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR.
- 11.) CONTRACTOR SHALL PROVIDE UNIT PRICES BASED ON QUANTITIES ON DOCUMENTS. FIELD CONDITIONS MAY REVISE ACTUAL LOCATION, INCREASING OR DECREASING THE EXTENT OF WORK BID. CHANGES TO THE EXTENT OF WORK RESULTING IN AN INCREASE WILL BE BASED ON UNIT PRICES AND PERFORMED SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT AND THE OWNER IN THE FORM OF A CHANGE ORDER.
- UNIT PRICES SHALL NOT ONLY INCLUDE THE COST OF THE ITEM BUT ALSO ALL LABOR, EQUIPMENT, AND OTHER MATERIALS (I.E. BACKFILL MIX, MULCH, ETC.) TO INSTALL THE ITEM COMPLETELY PER SPECIFICATIONS.
- 12.) ALL CONSTRUCTION COVERED BY THESE CONTRACT DOCUMENTS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF ALL APPLICABLE CITY AND OSHA CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO THE SOUTHERN BUILDING CODE, ENACTED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS, MOST RECENT EDITION, AND AMENDMENTS AS ADOPTED BY THE LOCAL GOVERNMENT.
- 13.) THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS UNLESS OTHERWISE SPECIFIED.
- 14.) CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REMOVAL OF TRASH AND REPAIR OF HAZARDOUS CONDITIONS (TOOLS, OPEN HOLES, ETC.) ON A DAILY BASIS BY END OF WORK DAY.
- 15.) UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL APPROVAL, CONTRACTOR SHALL THOROUGHLY CLEAN UP THE PROJECT SITE OF ALL TRASH, SCRAP, BRICK PIECES, MORTAR AND LITTER, ETC. REPAIR ALL DAMAGE TO FINISH GRADE INCLUDING TAILINGS FROM EXCAVATIONS, WHEEL RUTS, ETC., CAUSED BY CONSTRUCTION.

LANDSCAPE NOTES:

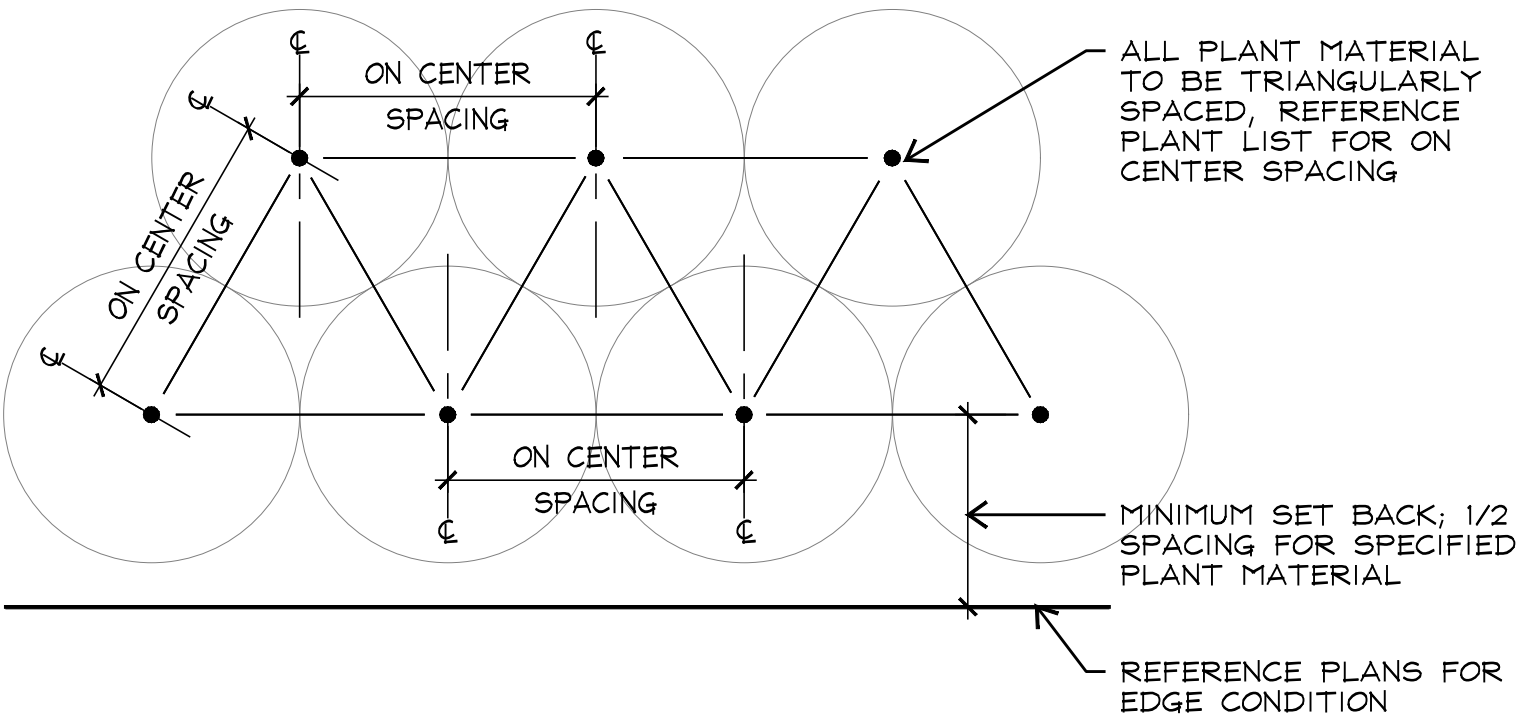
- 1.) CONTRACTOR SHALL RECEIVE SITE AT APPROXIMATELY FINAL GRADE, UNLESS OTHERWISE INDICATED. ALL SLOPES SHALL BE SMOOTH AND UNIFORM WITH A MAXIMUM SLOPE OF 3:1 UNLESS OTHERWISE NOTED. TIE INTO EXISTING ADJACENT GRADES SMOOTHLY AND FINE GRADE FOR POSITIVE DRAINAGE AND TO PREVENT WATER FROM STANDING. CUT SWALE TO DIRECT WATER AWAY FROM ALL STRUCTURES AND PROPERTY LINES AND TOWARDS STORM SEWER INLETS. DO NOT DRAIN ANY WATER TOWARDS LOTS / EASEMENTS.
- 2.) TREE PLANTING: REFERENCE SPECIFICATIONS AND DETAILS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION, INCLUDING STAKING METHODS, PLANT PIT DIMENSIONS, AND BACKFILL REQUIREMENTS. GUY ALL TREES 4" CALIPER AND GREATER, AND STAKE ALL TREES SMALLER THAN 4" CALIPER UNLESS MACHINE MOVED. STAKE ALL MACHINE MOVED TREES WITH THREE (3) METAL T STAKES PER DETAIL.
- BACKFILL ALL TREE PITS WITH SPECIFIED PLANTING MIX AND INCORPORATE 5 LBS OF 13-13-13 FERTILIZER PER CU. YD. OF MIX INTO ALL TREE PITS. ALL TREE WATER RETENTION BASINS SHALL RECEIVE MIN. 2" DEEP COMPOSTED HARDWOOD BARK MULCH.
- 3.) MACHINE MOVE TREES: ALL TREES TO BE MACHINE MOVED DIRECTLY FROM GROWER SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO RELOCATION. COORDINATE TREE PRUNING TO BALANCE ROOT LOSS WITH LANDSCAPE ARCHITECT. TREES TO BE MECHANICALLY TRANSPLANTED USING TREE SPADE ALLOWING 9" ROOTBALL PER CALIPER INCH OF TREE.
- SET TREE STRAIGHT AND PLUMB, AND FILL ANY AIR SPACES AROUND TREE WITH SPECIFIED SAND OR SANDY LOAM TOPSOIL, WATER IN TO DISPLACE AIR POCKETS. INSTALL 3" HIGH WATER RETENTION BASIN PER SPECIFICATIONS WITH 2" DEEP COMPOSTED BARK MULCH AND WATER THE SPADED TREES THE DAY OF TRANSPLANTING.
- 4.) TREES SHALL BE LOCATED MINIMUM OF 5' - 0" FROM WALLS, OVERHEADS, WALKS, EDGING, CURBS AND OTHER TREES WITHIN THE PROJECT. IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE LANDSCAPE ARCHITECT MAY RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE MATERIALS.
- 5.) ALL PLANT MATERIALS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
- 6.) LAWN INSTALLATION: PRIOR TO APPLICATION OF HYDROMULCH, CONTRACTOR SHALL APPLY CONTACT HERBICIDE TO REMOVE ALL EXISTING NEEDS AS NECESSARY, SCARIFY EXISTING SOIL TO SPECIFIED DEPTHS, FINAL DRESS WITH 1/2" TO 1" BANK SAND, AND REMOVE ALL LUMPS, CLODS, TRASH AND STICKS GREATER THAN 1". FINE GRADE TO PROVIDE POSITIVE DRAINAGE AND SMOOTH LAWN AREAS AND CUT SWALES AS NECESSARY TO ENSURE NO PONDING OF WATER. LAY BERMUDA SOD STRIP ALONG BACK OF CURB AND HYDROMULCH BERMUDA PER SPECIFICATIONS WITHIN APPROXIMATE LIMITS SHOWN ON PLANS. FINISHED GRADE OF LAWN AREAS TO BE MINIMUM 1/2" BELOW FINISHED GRADE OF ADJACENT PAVEMENT.
- 7.) CONTRACTOR SHALL APPLY RECOMMENDED PRE-EMERGENT HERBICIDE FOR PREVENTION OF NUTGRASS AND WEEDS UPON ESTABLISHMENT OF BERMUDA LAWN APPROXIMATELY ONE MONTH AFTER HYDROMULCH APPLICATION. FERTILIZE AT SPECIFIED RATES MONTHLY DURING 90 DAY MAINTENANCE PERIOD.



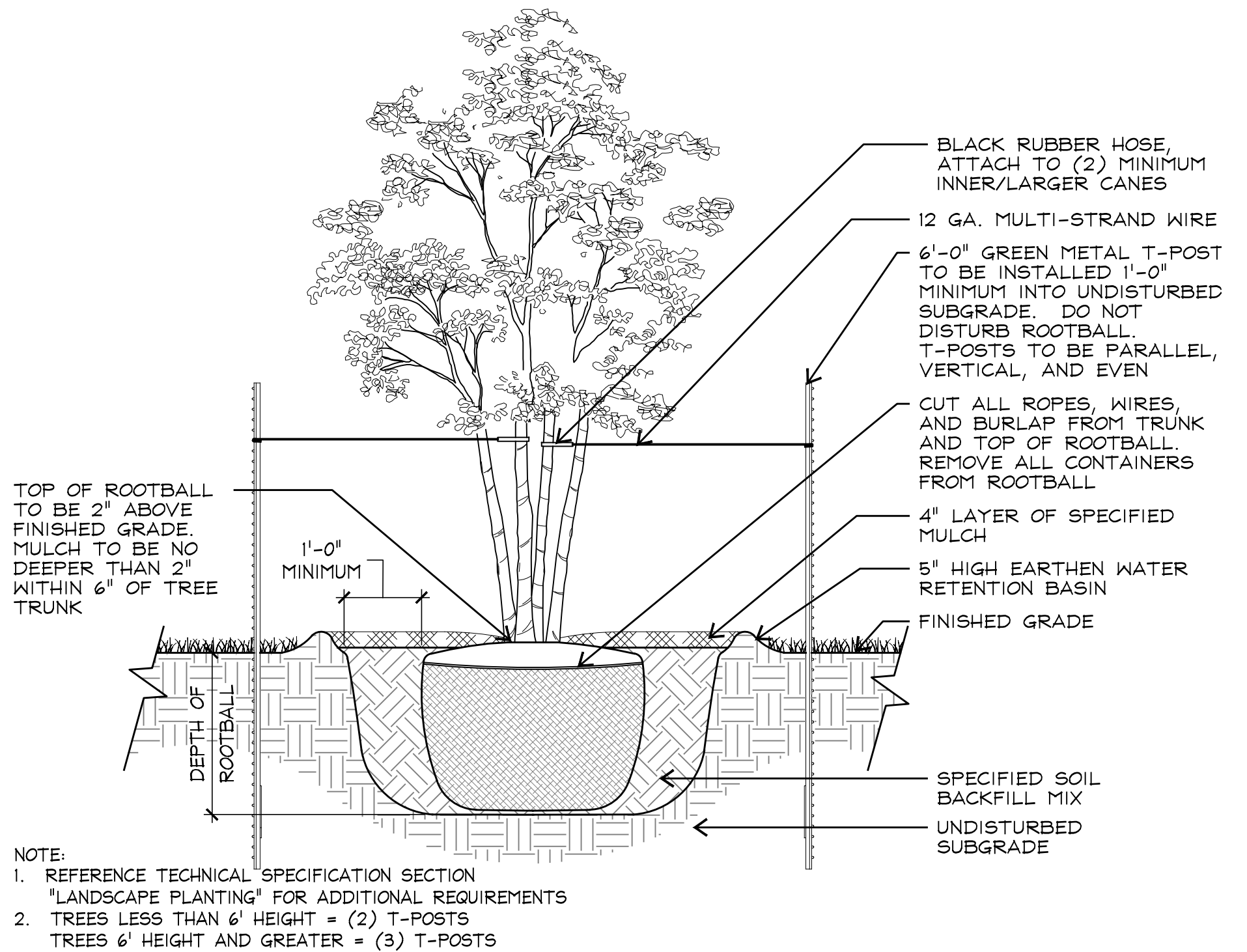
5 SHRUB BED PLANTING SECTIONS NOT TO SCALE



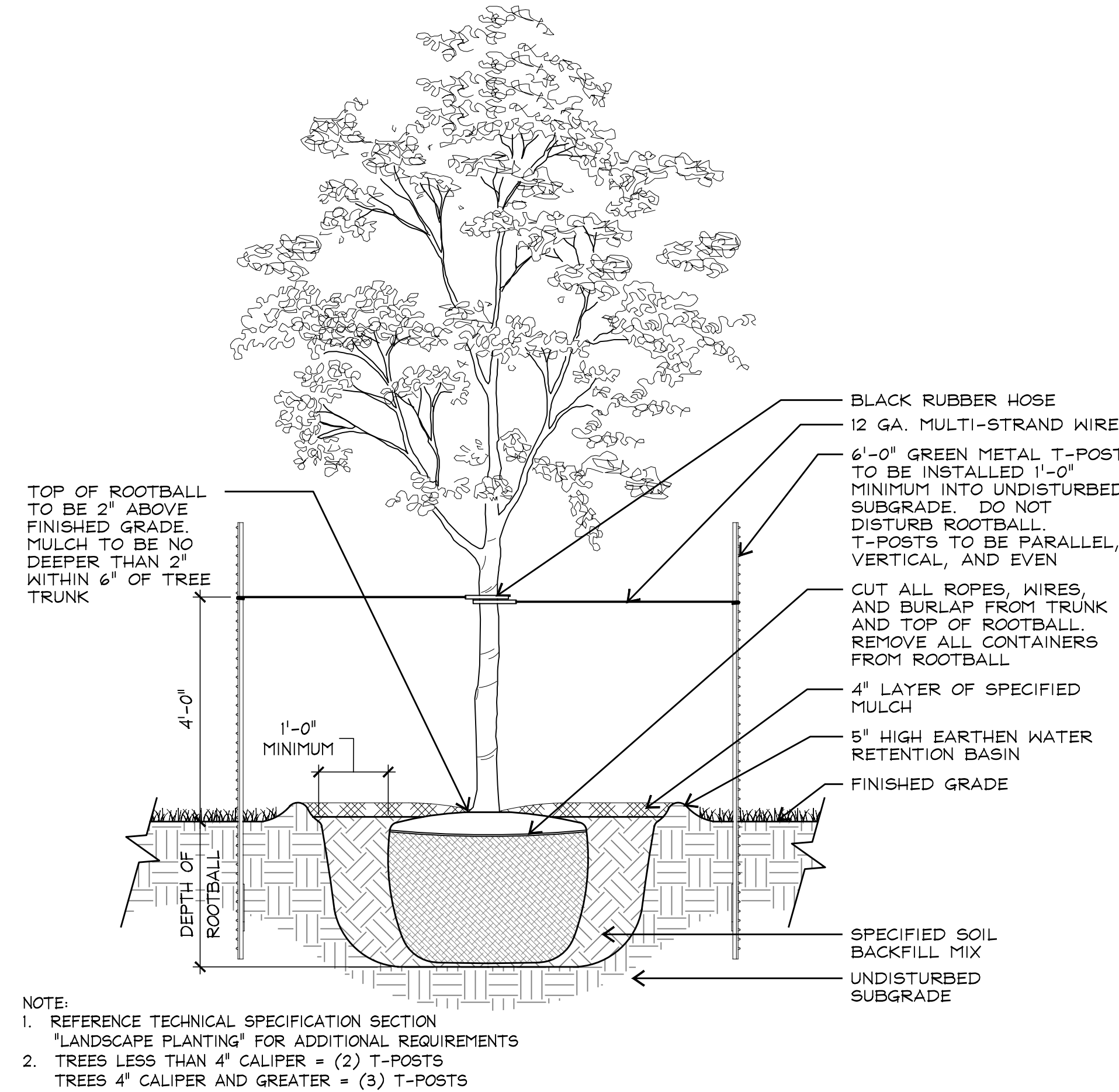
4 CURVED BED LAYOUT PLAN NOT TO SCALE



3 PLANT SPACING DIAGRAM PLAN NOT TO SCALE



2 TREE PLANTING - MULTI TRUNK SECTION NOT TO SCALE



1 TREE PLANTING - STANDARD TRUNK SECTION NOT TO SCALE



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project
**echo park at
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Taylor Morrison
Missouri City, Texas

project number
H20378

issue date
June 2, 2021

designed: AW JS
drawn: AW ES
reviewed: JZ MM

sheet title
**planting
details**

sheet
LP 2.1

BUTTERFLY GARDEN PLANTING SCHEDULE:

- CONTRACTOR TO SUPPLY PLANT QUANTITY AND NOTIFY LANDSCAPE ARCHITECT WHEN MATERIAL IS ON SITE. LANDSCAPE ARCHITECT WILL FIELD LAYOUT ALL PLANT MATERIAL.

- (25) 3 GAL. BUTTERFLY WEED *Asclepias tuberosa*
- (10) 3 GAL. GREEN MILKWEED *Asclepias viridis*
- (5) 3 GAL. SWAMP MILKWEED *Asclepias incarnata*
- (5) 3 GAL. TEXAS MILKWEED *Asclepias texana*
- (12) 1 GAL. SCARLET BEEBALM *Monarda didyma*
- (9) 3 GAL. TEXAS LANTANA *Lantana urticoides*
- (12) 1 GAL. BLACK EYED SUSAN *Rudbeckia hirta*
- (12) 1 GAL. PURPLE CONEFLOWER *Echinacea purpurea*
- (6) 3 GAL. DWARF FIREBUSH *Hamelia patens Dwarf*
- (12) 1 GAL. TURKS CAP *Malvaviscus arboreus var. drummondii*
- (3) 3 GAL. DWARF BARBADOS CHERRY *Malpighia punicifolia 'Nana'*

| PLANT LIST | | | | | |
|---------------------------------------|------|---|--------------------------------------|---------------------------------------|---|
| SHADE TREES | | | | | |
| GRAPHIC | KEY | COMMON NAME | SCIENTIFIC NAME | SIZE | REMARKS |
| | PMX4 | MEXICAN SYCAMORE | PLATANUS MEXICANA | 4' CAL. MIN.; 18' HT. MIN.; 7' SPRD. | SINGLE STRAIGHT TRUNK; FULL CANOPY CLEAR TRUNK TO 7'-0"; DARK GREEN;SPECIMEN |
| | QV6 | LIVE OAK | QUERCUS VIRGINIANA | 6' CAL. MIN.; 16' HT. MIN.; 10' SPRD. | SINGLE STRAIGHT TRUNK; FULL CANOPY CLEAR TRUNK TO 7'-0"; DARK GREEN;SPECIMEN |
| ORNAMENTAL TREES | | | | | |
| GRAPHIC | KEY | COMMON NAME | SCIENTIFIC NAME | SIZE | REMARKS |
| | LIN | GRAPE MYRTLE 'NATCHEZ' | LAGERSTROEMIA X FAURIEI 'NATCHEZ' | 45 GAL.; 12HT. MIN.; 6' SPRD. MIN. | MULTI-TRUNK; 3-5 CANES; 2" MIN. CANE CAL.;FULL CANOPY; DARK GREEN; TREE FORM; CONTAINER GROWN |
| | VAC | MONTROSE PURPLE VITEX | VITEX AGNUS-CASTUS 'MONTROSE PURPLE' | 45 GAL.; 10HT. MIN.; 6' SPRD. MIN. | SPECIMEN, MULTI-TRUNK; 3 CANES MIN.; 2'-2 1/2" MIN. CANE CAL.;FULL CANOPY; DARK GREEN; TREE FORM; CONTAINER GROWN |
| SHRUBS, ORNAMENTAL GRASSES, AND VINES | | | | | |
| GRAPHIC | KEY | COMMON NAME | SCIENTIFIC NAME | SIZE | REMARKS |
| | BM | WOOLY BUTTERFLY BUSH | BUDDLEJA MARRUBIIFOLIA | 3 GAL.; 18" HT. & SPRD. MIN. | PLANT 30" O.C. |
| | CA | AMERICAN BEAUTYBERRY | CALLICARPA AMERICANA | 3 GAL.; 18" MIN. HT. & SPRD. | PLANT 60" O.C.; FULL; GREEN FOLIAGE |
| | DB | BICOLOR IRIS | DIETES BICOLOR | 3 GAL.; 18" HT. & SPRD. MIN | PLANT 30" O.C.; FULL; GREEN FOLIAGE; YELLOW FLOWER |
| | MD | BAMBOO MUHLY | MUHLENBERGIA DUMOSA | 3 GAL., 24" HT. & SPRD. MIN. | PLANT 30" O.C. |
| | ME | SOFT CARESS MAHONIA | MAHONIA EURYBRACTEATA 'SOFT CARESS' | 3 GAL., 24" HT. & SPRD. MIN | PLANT 30" O.C. |
| | SL | MEXICAN BUSH SAGE | SALVIA LEUCANTHA | 1 GAL.; 12" HT. & 18" SPRD. MIN. | PLANT 30" O.C. |
| TURF GRASS AND SEED MIXES | | | | | |
| GRAPHIC | KEY | COMMON NAME | SCIENTIFIC NAME | SIZE | REMARKS |
| | CDH | BERMUDA HYDROMULCH | CYNODON DACTYLON | N/A | SEED 2 LBS/1,000 SQ. FT. CONTRACTOR TO FIELD VERIFY QUANTITY |
| | CDS | CELEBRATION BERMUDA SOD | CYNODON DACTYLON 'CELEBRATION' | ---- | SOLID SOD W/ ANNUAL RYE OVER-SEEDING; FIELD VERIFY QUANTITY |
| | NG | NATIVE GRASS MIX | SEE MIX SCHEDULE BELOW | N/A | SEE MIX SCHEDULE BELOW |
| | WF | WILDFLOWER OVERSEED (ALL 'WF' AREAS TO ALSO RECEIVE 'NG' NATIVE GRASS SEED) | SEE MIX SCHEDULE BELOW | N/A | CONTRACTOR SHALL APPLY W/ 'WF' AS INDICATED ON PLANS. REF. SCHEDULE BELOW FOR 'WF' MIX. |

"NG" NATIVE GRASS MIX:

MIX NO. 1807 "WETLAND FRINGE MIX" BY NATIVE AMERICAN SEED
1 LB PER 2,000 SQUARE FEET

"WF" WILDFLOWER MIX:

MIX NO. 4507 "POLLINATOR ESSENTIALS MIX" BY NATIVE AMERICAN SEED
1 LB PER 2,000 SQUARE FEET

NOTE:

- 1.) CONTRACTOR TO PROVIDE TYPICAL PHOTO SUBMITTALS OF ALL PLANT MATERIAL TO LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 2.) CONTRACTOR MUST REPAIR ALL DISTURBED AREAS.
- 3.) ALL LAWN AREA SEEDED FROM SEPTEMBER 15 - APRIL 15 SHALL BE SEEDED WITH ANNUAL RYE. CONTRACTOR SHALL ERADICATE RYE IN SPRING AND SEED WITH BERMUDA BEFORE PROJECT CLOSEOUT.
- 4.) ALL LAWN AREA SEEDED FROM APRIL 15 - SEPTEMBER 15, SHALL BE BERMUDA AS SPECIFIED



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6/2/2021

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DESIGN BUILD IRRIGATION NOTES:

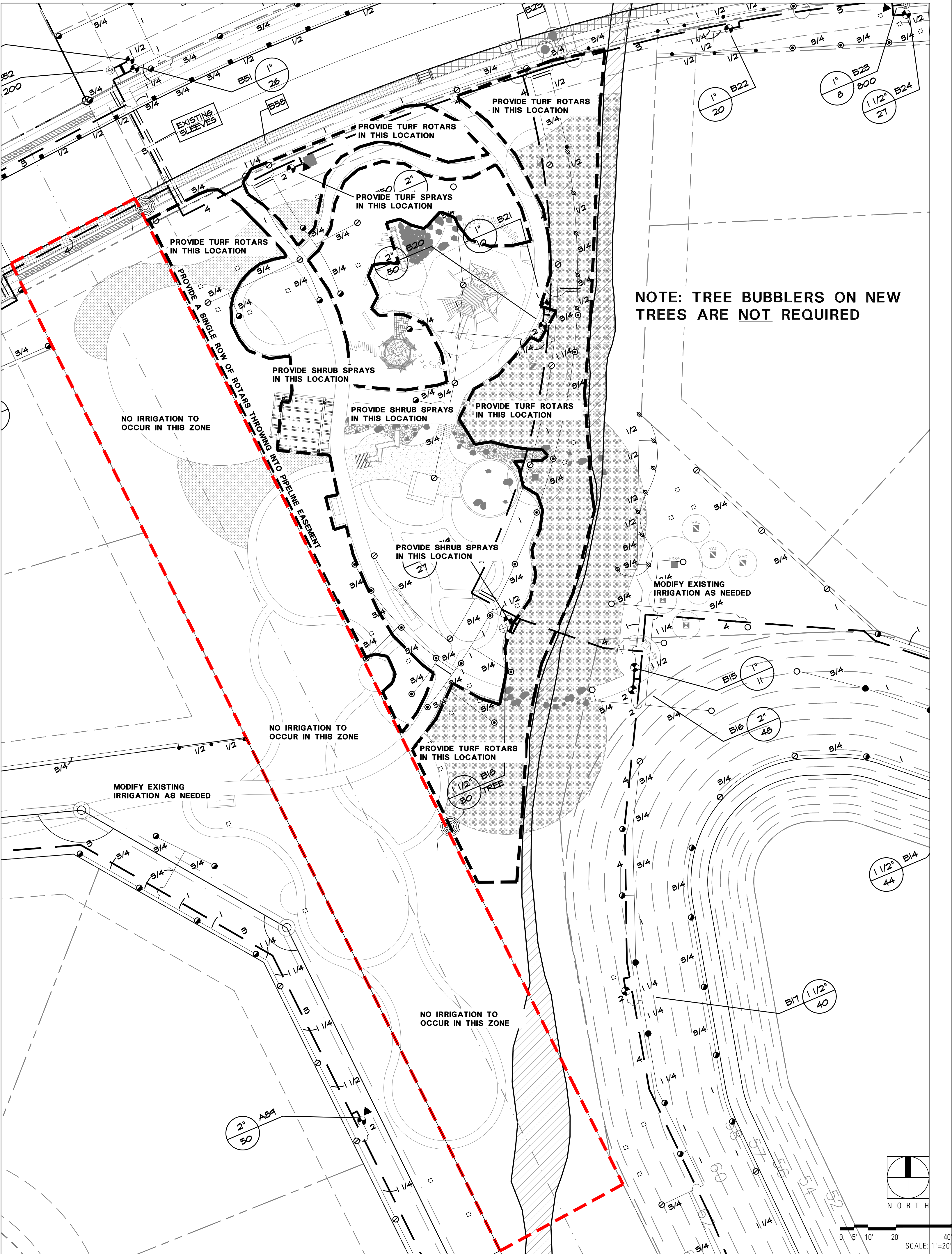
- 1.) IRRIGATION IS DESIGN/BUILD. CONTRACTOR TO UTILIZE EXISTING MAINLINE TO PROVIDE IRRIGATION TO NEW PARK.
- 2.) CONTRACTOR, LANDSCAPE ARCHITECT AND MAINTENANCE CONTRACTOR WILL WALK PRIOR TO START OF CONSTRUCTION TO IDENTIFY ALL EXISTING FACILITIES AND DISCUSS TIE IN.
- 3.) EXISTING WATER METERS AND CONTROLLERS WILL BE USED. NO PERMIT IS REQUIRED FOR THIS SCOPE OF WORK.
- 4.) CONTRACTOR WILL SUBMIT AN ASBUILT OF INSTALLED NEW IRRIGATION.

IRRIGATION NOTES

- COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER.
- THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES, AND WILL SECURE ALL REQUIRED PERMITS. L.I.C. SHALL PAY ANY ASSOCIATED FEES UNLESS OTHERWISE NOTED. ALL LOCAL CODES SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN AND SHALL BE ADDRESSED BEFORE ANY CONSTRUCTION BEGINS.
- CONFIRM MINIMUM STATIC WATER PRESSURE OF 60 PSI AT THE HIGHEST ELEVATION OF THE SYSTEM LIMITS, AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT THE LOWEST ELEVATION OF THE SYSTEM LIMITS AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS OUTSIDE THE RANGE STATED ABOVE, DO NOT PROCEED UNTIL DIRECTED BY THE LANDSCAPE ARCHITECT.
- LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN EXISTING TREE ROOT ZONES. WHEN HAND - TRENCHING WITHIN EXISTING TREE ROOT ZONES, NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT.
- UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPED AREAS.
- ALL PVC MAINLINE PIPE SHALL BE INSTALLED A MINIMUM OF 48" FROM BACK OF STREET CURBS.
- 24 VOLT VALVE WIRE SHALL BE A MINIMUM #14 GAUGE U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". WIRE SPLICES SHALL INCLUDE DBY CONNECTORS AS MANUFACTURED BY 3M COMPANY. ALL FIELD SPLICES SHALL BE LOCATED IN A ROUND VALVE BOX OF SUFFICIENT SIZE TO ALLOW INSPECTION.
- VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3 INCHES OF CLEAN PEA GRAVEL LOCATED BELOW THE VALVE. USE 12" x 17" RECTANGULAR VALVE BOXES WITH PURPLE LID FOR QUICK COUPLING VALVES, AND 10" ROUND BOXES FOR ELECTRIC VALVES UNLESS NOTED OTHERWISE.
- USE RIGID SCH. 80 PVC SWING JOINT ASSEMBLIES TO CONNECT ALL ROTARY HEADS AND QUICK COUPLERS.
- ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12" MINIMUM LENGTH OF 1/2" FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #195 SOLVENT AND #P-70 PRIMER.
- PROVIDE ONE QUICK COUPLER KEY WITH SWIVEL HOSE ELL FOR EVERY SIX Q.C. VALVES. (MINIMUM ONE SET).
- CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.

COORDINATION WITH EXISTING TREES

NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE



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