

DEMOLITION LEGEND:



1. CONTRACTOR SHALL REMOVE AND/OR RELOCATE EXISTING PRIVATE UTILITIES AS NECESSARY. CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES.
2. CONTRACTOR SHALL PROTECT SURFACE AND SUBSURFACE FEATURES NOT NOTED FOR REMOVAL.
3. CONTRACTOR TO CLEAR AND GRUB EXISTING VEGETATION WITHIN CONSTRUCTION LIMITS, STRIP TOP SOIL, AND STOCKPILE ON-SITE. REFER TO GRADING PLAN AND SWPPP FOR SEDIMENT AND EROSION CONTROL REQUIREMENTS.
4. CLEAR AND GRUB AND REMOVE ALL TREES, VEGETATION AND SITE DEBRIS PRIOR TO GRADING. ALL REMOVED MATERIAL SHALL BE HAULED FROM THE SITE DAILY. EROSION CONTROL MEASURES SHALL BE IMMEDIATELY ESTABLISHED UPON REMOVAL. SEE THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
5. CONTRACTOR SHALL REMOVE ALL SITE SURFACE FEATURES WITHIN REMOVAL LIMITS UNLESS OTHERWISE NOTED.
6. ALL REMOVAL ITEMS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE AND SHALL BE DISPOSED OF OFF-SITE IN A MANNER MEETING ALL APPLICABLE REGULATIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL SIGNS, MAILBOXES, ETC.
8. ANY DAMAGE TO ITEMS NOT NOTED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION WITH NO ADDITIONAL COMPENSATION.



CALL BEFORE YOU DIG!

Gopher State One Call

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

WARNING

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03/27/20 BID SET

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Michigan.

Paul Kangas

License No. 26017
Date 03/27/20

Loucks Project No. 17671
 Project Lead PAK
 Drawn By GAJ / DDL
 Checked By PAK
 Review Date 03/27/20

C0-1	COVER SHEET
RH-1 - RH-9	RIVER HILLS
SD-1 - SD-3	SUNDANCE WOODS
SF-1 - SF-9	STEPHENS FARM
DE-1 - DE-6	DETAILS

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SUBMITTAL/REVISIONS

03/27/20 BID SET

PROFESSIONAL SIGNATURE

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Paul Kagan
License No. 26017
Date 03/27/20

QUALITY CONTROL

Loucks Project No. 17671
Project Lead PAK
Drawn By GAJ / DDL
Checked By PAK
Review Date 03/27/20

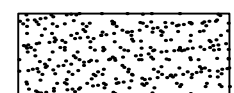
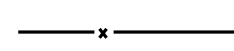
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LAYOUT NOTES


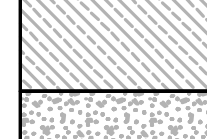

- ELECTRONIC DATA IS AVAILABLE FROM THE LANDSCAPE ARCHITECT FOR SITE LAYOUT.
- MINNESOTA STATE STATUTE REQUIRES NOTIFICATION PER "GOPHER STATE ONE CALL" PRIOR TO COMMENCING ANY GRADING, EXCAVATION OR UNDERGROUND WORK.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS.
- CONTRACTOR SHALL OBTAIN A CITY & COUNTY PERMIT FOR OBSTRUCTIONS AND WORK WITHIN RIGHT-OF-WAY. PERMIT IS REQUIRED PRIOR TO REMOVALS OR INSTALLATION.
- VERIFY LAYOUT AND DIMENSIONS SHOWN AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT ANY DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN AND / OR INTENT OF THE PROJECT LAYOUT.
- THE ALIGNMENT AND GRADES OF THE PROPOSED SITE AMENITIES ARE SUBJECT TO FIELD ADJUSTMENT TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE GRADING. ANY CHANGE IN ALIGNMENT MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
- ALL PAVERS AND SIDEWALK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DETAILS SHEETS.

LAYOUT LEGEND:

-  PROPOSED GRAVEL DRIVE
-  PROPOSED VINYL FENCE

SEED NOTES

- ALL AREAS TO BE SEEDED PER MNDOT SPECIFICATIONS. REFER TO LATEST MNDOT SEEDING MANUAL FOR ALL SEEDING SCHEDULES, BROADCAST RATES, AND MAINTENANCE SCHEDULES FOR SEED ESTABLISHMENT PERIODS.
- PLACE 3" - 4" OF TOP SOIL ALONG EDGE OF GRAVEL DRIVE AT A WIDTH OF 6 FEET. THE TOP SOIL SHALL BEGIN WHERE THE GRAVEL DRIVE CONNECTS INTO DAYTON RIVER ROAD.
- MINNESOTA STATE STATUTE REQUIRES NOTIFICATION PER "GOPHER STATE ONE CALL" PRIOR TO COMMENCING ANY GRADING, EXCAVATION OR UNDERGROUND WORK.
- REFER TO SHEET SF-8 FOR LANDSCAPE PLAN AND FULL PLANTING SCHEDULE. REFER TO SHEET RH-9 FOR PLANTING NOTES AND DETAILS.

PLANT SCHEDULE			
GROUND COVERS	CODE	COMMON NAME	BOTANICAL NAME
	SEED 2	MNDOT NATIVE SEED MNDOT Seed Mix 34-261 Riparian South & West	
	SEED	TURF SEED MNDOT Seed Mix 25-131 Low Maintenance Turf	
	MW 1	WOOD MULCH Shredded Hardwood Mulch	



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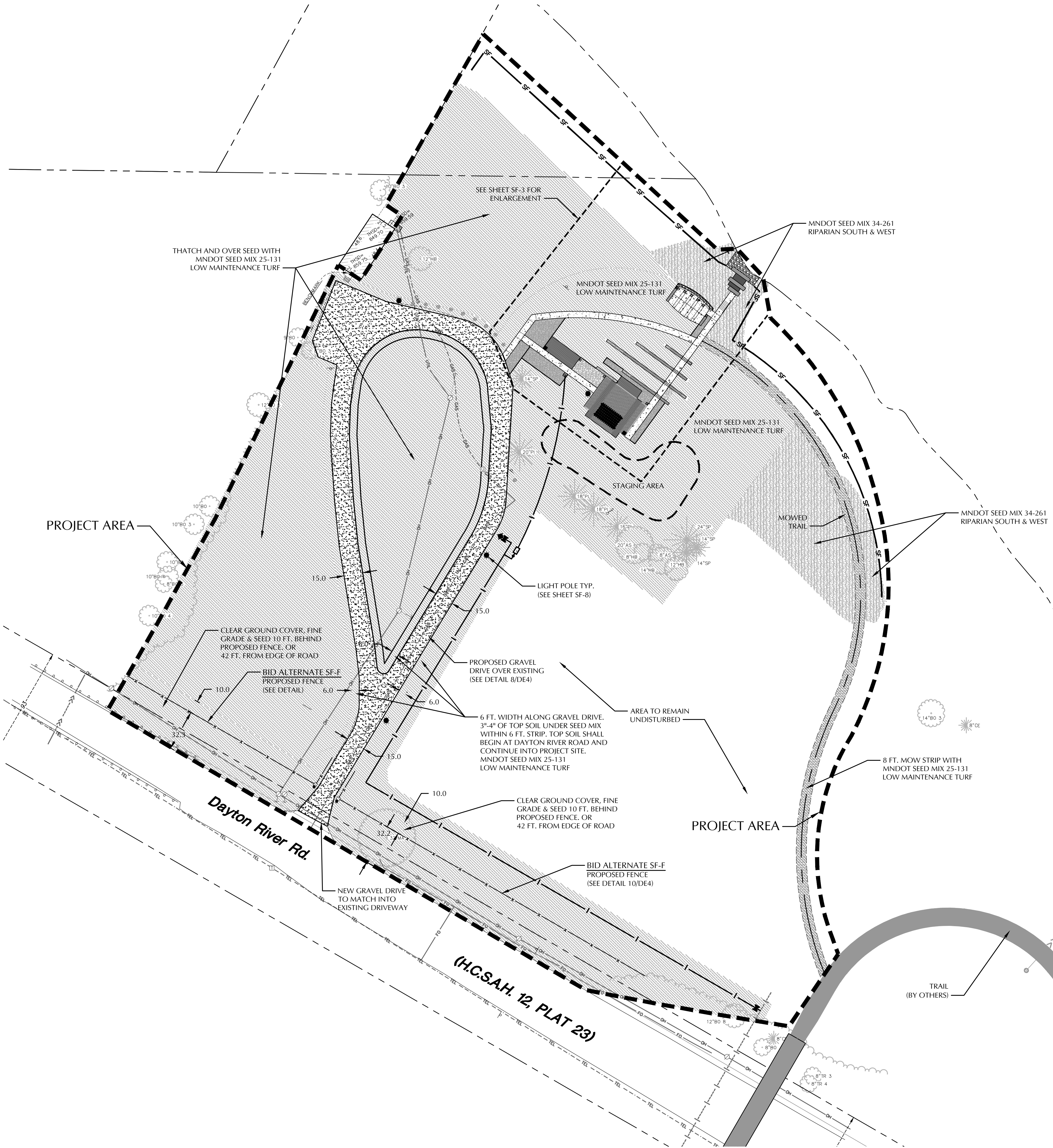
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0 40 80
SCALE IN FEET



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Paul Kangas
License No. 26017
Date 03/27/20

QUALITY CONTROL

Loucks Project No. 17671
Project Lead PAK
Drawn By GAJ / DDL
Checked By PAK
Review Date 03/27/20

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KEY NOTES

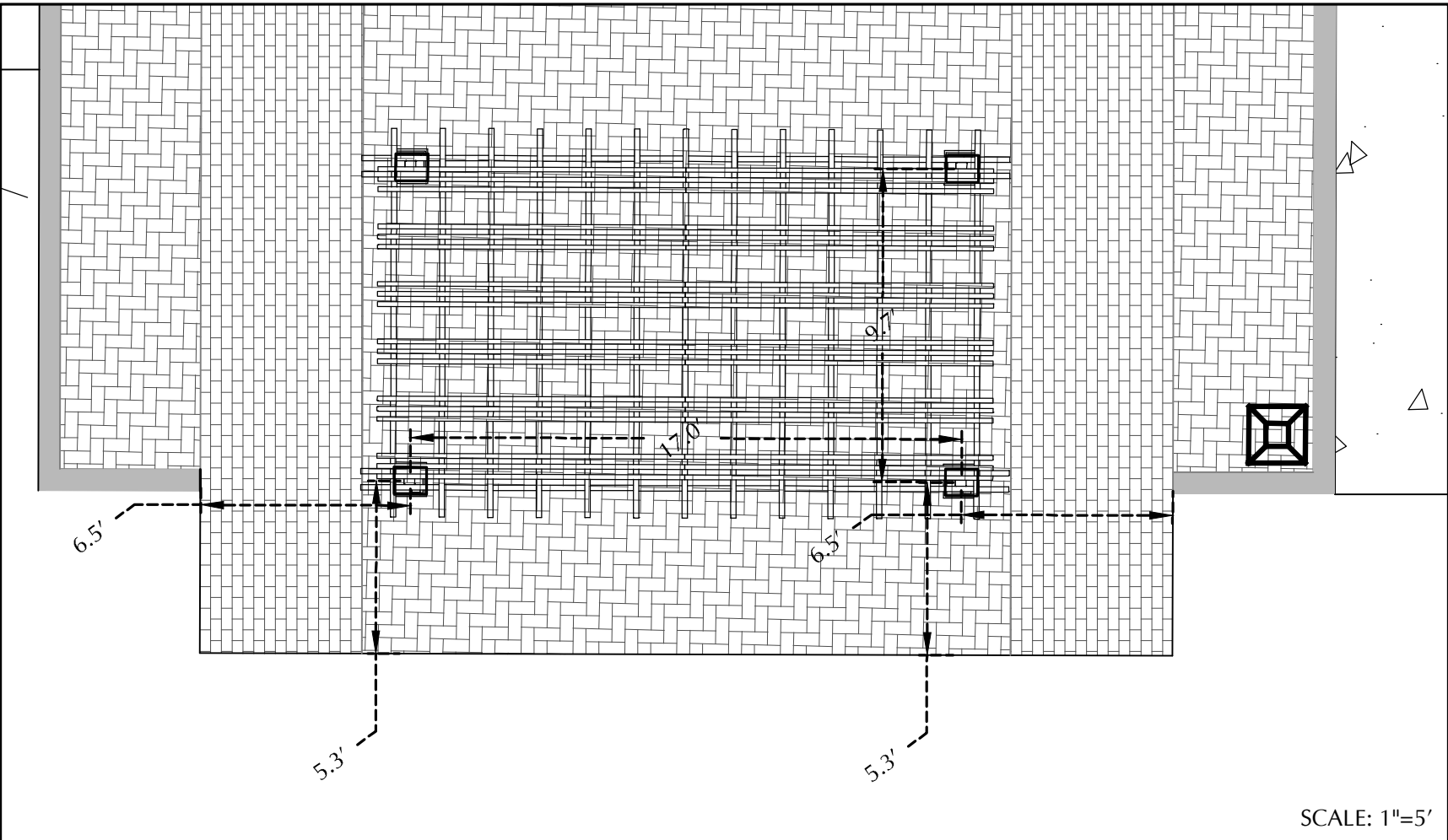
- CONCRETE PAVER - TYPE A (SEE DETAIL 4/DE-4)
SUPPLIER - ROCHESTER CONCRETE PRODUCTS
STYLE - BROADMOAR PAVERS
COLOR - NATURAL
PATTERN - PATTERN 2 (RUNNING BOND)
- CONCRETE PAVER - TYPE B (SEE DETAIL 4/DE-4)
SUPPLIER - ROCHESTER CONCRETE PRODUCTS
STYLE - HOLLAND PAVERS
COLOR - BEACHWOOD
PATTERN - PATTERN 1 (HERRING BONE)
- CONCRETE PAVER - TYPE C (SEE DETAIL 4/DE-4)
SUPPLIER - ROCHESTER CONCRETE PRODUCTS
STYLE - HOLLAND PAVERS
COLOR - ONYX
PATTERN - SOLDIER COURSE
- SEE LANDSCAPE PLAN FOR PLANTING DETAILS, EDGING, AND GROUND COVER INFORMATION.
- SEE DETAIL SHEET FOR CONCRETE SIDEWALK PAVEMENT SECTION.
- NATURAL STONE BLOCK - TYPE A
24" WIDE X 4' LONG X 24" HEIGHT - KASOTA STONE BLOCK
(SEE DETAIL 2/DE-4 FORM MORE INFORMATION)
- NATURAL STONE BLOCK - TYPE B
20" WIDE X 20" LONG X 20" HEIGHT - KASOTA STONE BLOCK
TO BE PLACED ON TOP OF HEAVY DUTY CONCRETE PAVEMENT
- STAGE/PERFORMANCE AREA TO INCLUDE HEAVY DUTY CONCRETE PAVEMENT W/ REINFORCEMENT AS SHOWN ON DETAIL 1/DE-4. SCORING PATTERN AS SHOWN ON PLAN.
- DECORATIVE BOULDERS - TYPE 1
SUPPLIER: HEDBERG (OR APPROVED ALTERNATE)
STYLE: TRAP ROCK
SIZE: 6"-15"
- ALTERNATES**
SF-A: OVERLOOK AREA ADJACENT THE MISSISSIPPI
5' WIDE CONCRETE SIDEWALK EXTENSION
(8) - CONCRETE STAIRS W/ RAILING
(5) - PRECAST CONCRETE BLOCK STEPPING STONES
BLOCKS TO BE REINFORCED CONCRETE
DEPTH OF BLOCK TO BE A MINIMUM OF 48"
SEE LAYOUT FOR WIDTH AND LENGTH DIMENSIONS
DECORATIVE BOULDERS TYPE 2
BOULDER STYLE - GNEISS ROCK
BOULDER SIZE - 10"-24"
PLACED OVER GEO-FABRIC

SF-B: NATURAL STONE BLOCKS
(16)-ADDITIONAL NATURAL STONE BLOCKS TO BE ADDED AS SHOWN IN THE PLAN.

SF-C: PERGOLA - FIBERGLASS
SUPPLIER - STRUCTUREWORKS
STYLE - BROWN JORDAN TERRACE
ITEM # - FBJTE240-144
SIZE - 20' X 12'
COLUMN STYLE - 10" X 8" SQUARE WITH CLASSIC TRIM (ITEM #-HWFOO58XX)
COLOR - TITANIUM (ENTIRE STRUCTURE)

SF-D: IRRIGATION - CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR THE PLANNING AND CONSTRUCTION OF AN IRRIGATION SYSTEM FOR THE SITE. AREAS TO IRRIGATE INCLUDES THE PROPOSED AREAS FOR TURF SEED AND PLANTING BEDS. REFER TO LANDSCAPE PLAN AND CONFIRM LIMITS OF IRRIGATION WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

PERGOLA LOCATION



CALL BEFORE YOU DIG!

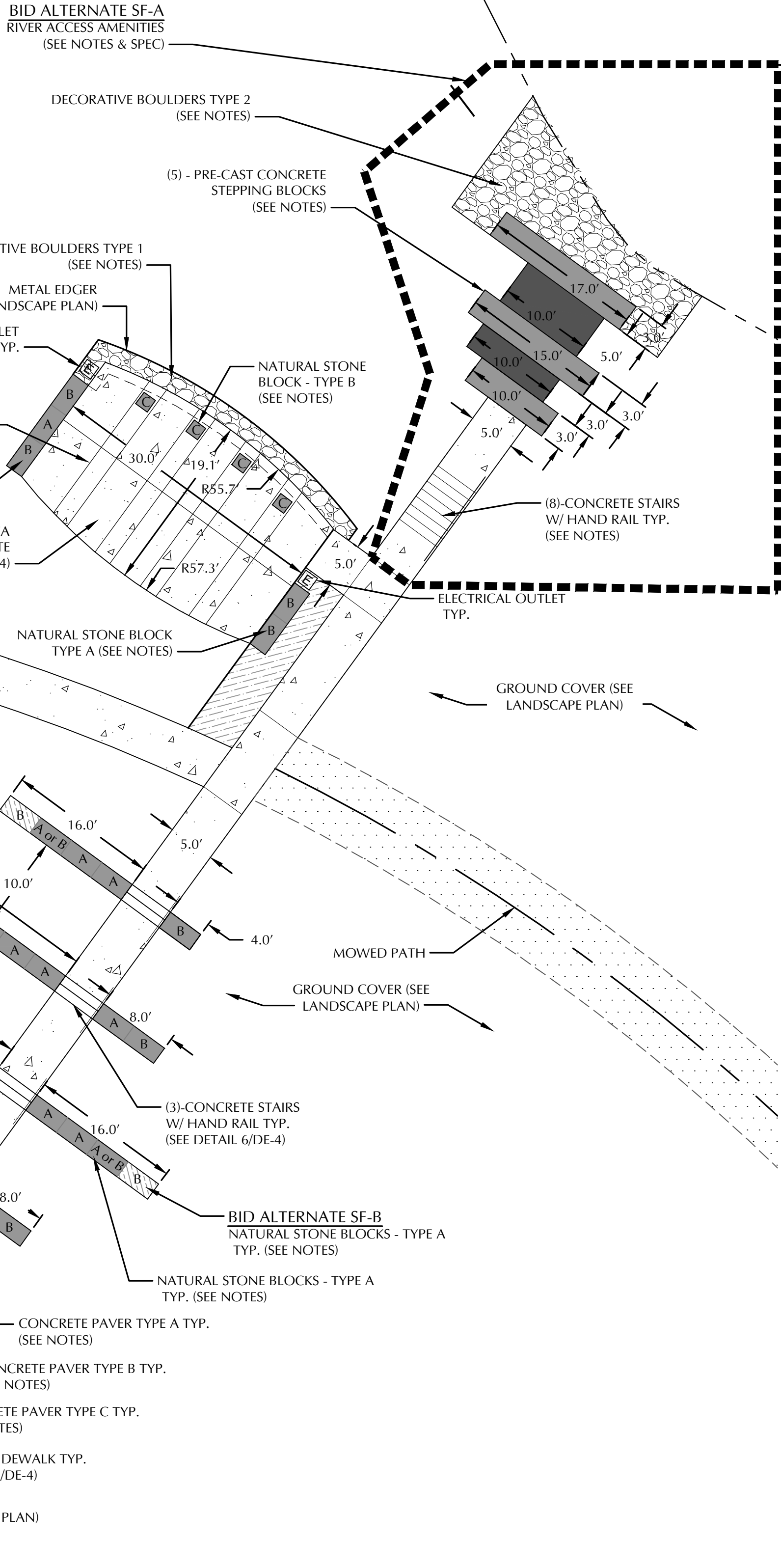
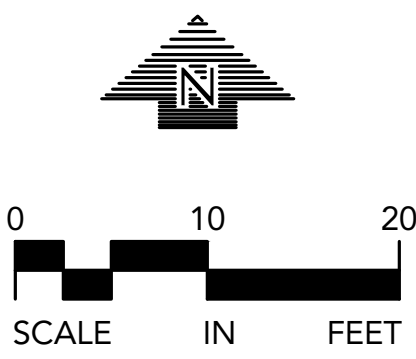
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LIMESTONE BLOCK SCHEDULE				
QTY.	BLOCK	HGT.	WDTH.	DPTH.
26	A	24"	48"	24"
12	B	24"	48"	24"
4	C	20"	20"	20"

LIMESTONE BLOCK SCHEDULE W/ALTERNATE				
QTY.	BLOCK	HGT.	WDTH.	DPTH.
40	A	24"	48"	24"
14	B	24"	48"	24"
4	C	20"	20"	20"

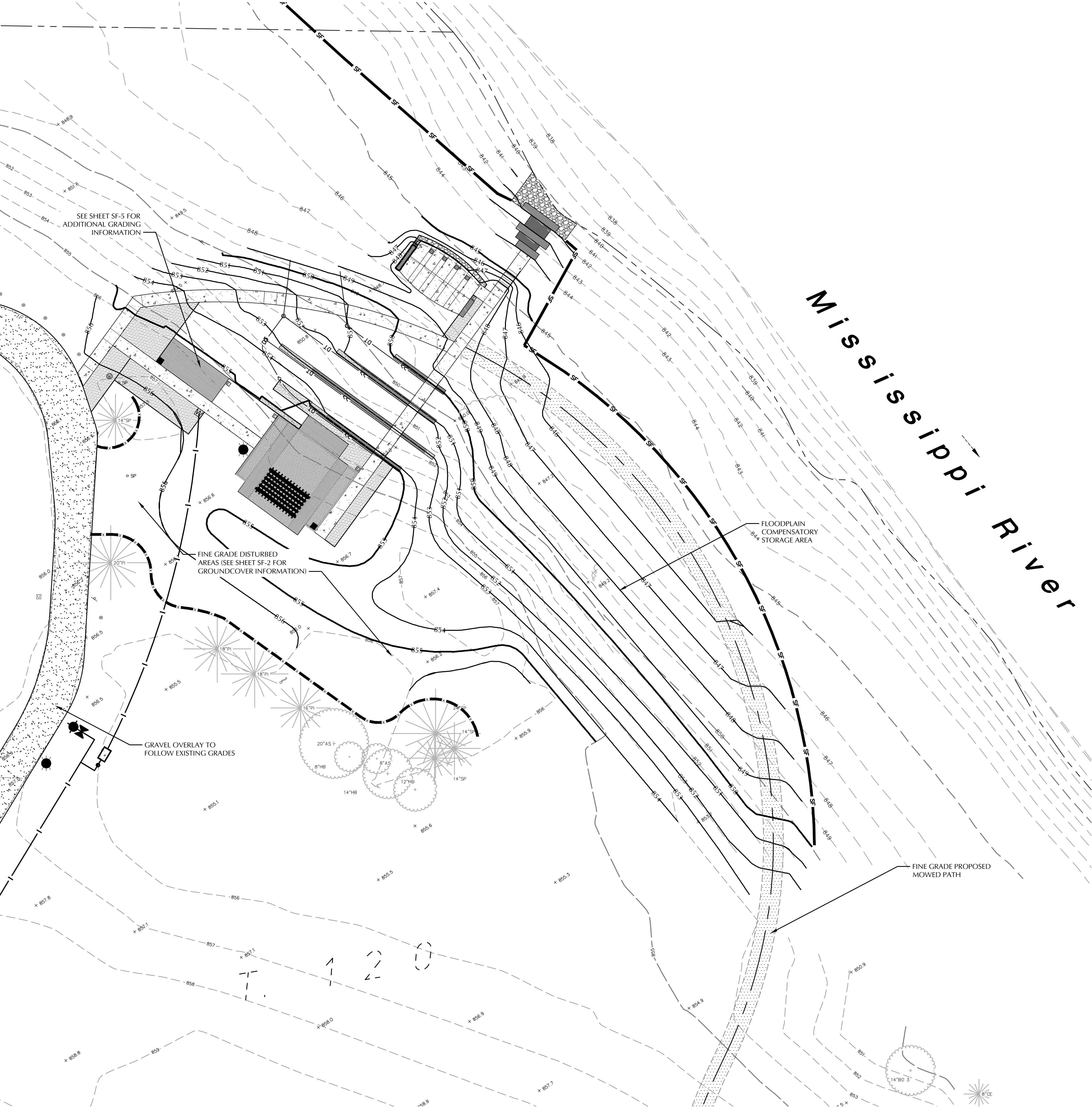
NATURAL STONE BLOCK CUTTING INFO:

BLOCK A: TOP, BOTTOM AND BOTH ENDS TO BE SAWN CUT FINISH. FRONT AND BACK FACE TO BE SPLIT FACE FINISH.

BLOCK B: TOP, BOTTOM, AND END ADJACENT THE ADJOINING BLOCK TO BE SAWN CUT FINISH. FRONT, BACK, AND END FACE TO BE SPLIT FACE FINISH.

BLOCK C: TOP AND BOTTOM TO BE SAWN CUT FINISH. FRONT, BACK, AND SIDE FACES TO BE SPLIT FACE FINISH.

GRADING PLAN



FLOOD PLAIN EARTHWORK

TOTAL FILL IN FLOODPLAIN FOR PROPOSED PARK: 180 CY
TOTAL CUT FOR COMPENSATORY STORAGE: 190 CY

GRADING NOTES

1. SEE STORMWATER POLLUTION PREVENTION PLAN FOR SOIL STABILIZATION INFORMATION.
2. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ESTABLISHED AROUND THE ENTIRE SITE PERIMETER AND IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS, BEST MANAGEMENT PRACTICES, CITY REQUIREMENTS AND THE DETAILS SHOWN ON THE CIVIL DETAILS SHEETS OF THESE PLANS.
3. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 3 INCHES OF TOP SOIL AND GROUND COVER AS SHOWN ON SHEET SF-2. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. VERIFY WITH LANDSCAPE PLAN.
4. WHERE TURF SEED IS PROPOSED, A TURF REINFORCEMENT MAT SHALL BE USED IN ALL AREAS WITH SLOPES EQUAL OR GREATER TO 6:1. PRODUCT TO BE USED IS LANDLOK 450, AS MANUFACTURED BY PROPEX GEOSOLUTIONS, OR APPROVED EQUAL. THE CONTRACTOR SHALL FOLLOW ALL OF THE MANUFACTURERS INSTRUCTIONS FOR INSTALLATION.

2020
DAYTON PARKS
IMPROVEMENT
PACKAGE

DAYTON, MINNESOTA

CITY OF DAYTON

12260 South Diamond Lake Road
Dayton, MN 55327



PLANNING
CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300
Maple Grove, MN 55369
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www.loucksa.com

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Paul Kangas
License No. 26017
Date 03/27/20

QUALITY CONTROL

Loucks Project No. 17671
Project Lead PAK
Drawn By GAJ / DDL
Checked By PAK
Review Date 03/27/20

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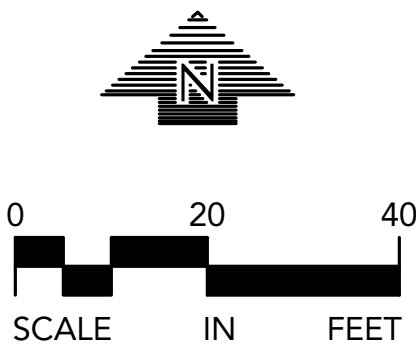
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GRADING PLAN ENLARGEMENT



GRADING NOTES

1. SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 3 INCHES OF PREMIUM TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. VERIFY WITH LANDSCAPE PLAN.
3. FOR SITE RETAINING WALLS "TW" EQUALS SURFACE GRADE AT TOP FACE OF WALL (NOT TOP OF WALL), "GW" EQUALS SURFACE GRADE AT BOTTOM FACE OF WALL (NOT BOTTOM OF BURIED WALL COURSES).
4. DUST MUST BE ADEQUATELY CONTROLLED.
5. SEE SWPPP FOR ADDITIONAL EROSION CONTROL NOTES AND REQUIREMENTS.
6. THE CONTRACTOR ALONG WITH THE OWNER SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM GOVERNING AUTHORITIES, INCLUDING ANY CITY PERMITS AND THE NPDES PERMIT FROM THE MPCA.
7. INSTALL EROSION CONTROL AND TREE PROTECTION MEASURES BEFORE BEGINNING SITE GRADING ACTIVITIES. SOME EROSION CONTROLS SUCH AS BALE CHECKS AND TEMPORARY SILT PONDS MAY BE INSTALLED AS GRADING OCCURS IN SPECIFIC AREAS. MAINTAIN EROSION CONTROLS THROUGHOUT THE GRADING PROCESS AND REMOVE WHEN TURF HAS BEEN ESTABLISHED.
8. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE MPCA NPDES PERMIT. THE AREA TO BE DISTURBED SHALL BE MINIMIZED AND TURF SHALL BE ESTABLISHED WITHIN THE TIME REQUIRED.
9. FINAL GRADING TOLERANCES ARE +/-0.2 FEET TO FINISH GRADES.

2020 DAYTON PARKS IMPROVEMENT PACKAGE

CITY OF DAYTON



PLANNING
CIVIL ENGINEERING
LAND SURVEYING
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ENVIRONMENTAL

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03/27/20 BID SE

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 License No. 2601
 Date 03/27/2

QUALITY CONTROL

Loucks Project No. 1767
Project Lead PA
Drawn By GAJ / DD
Checked By PA
Review Date 03/27/2

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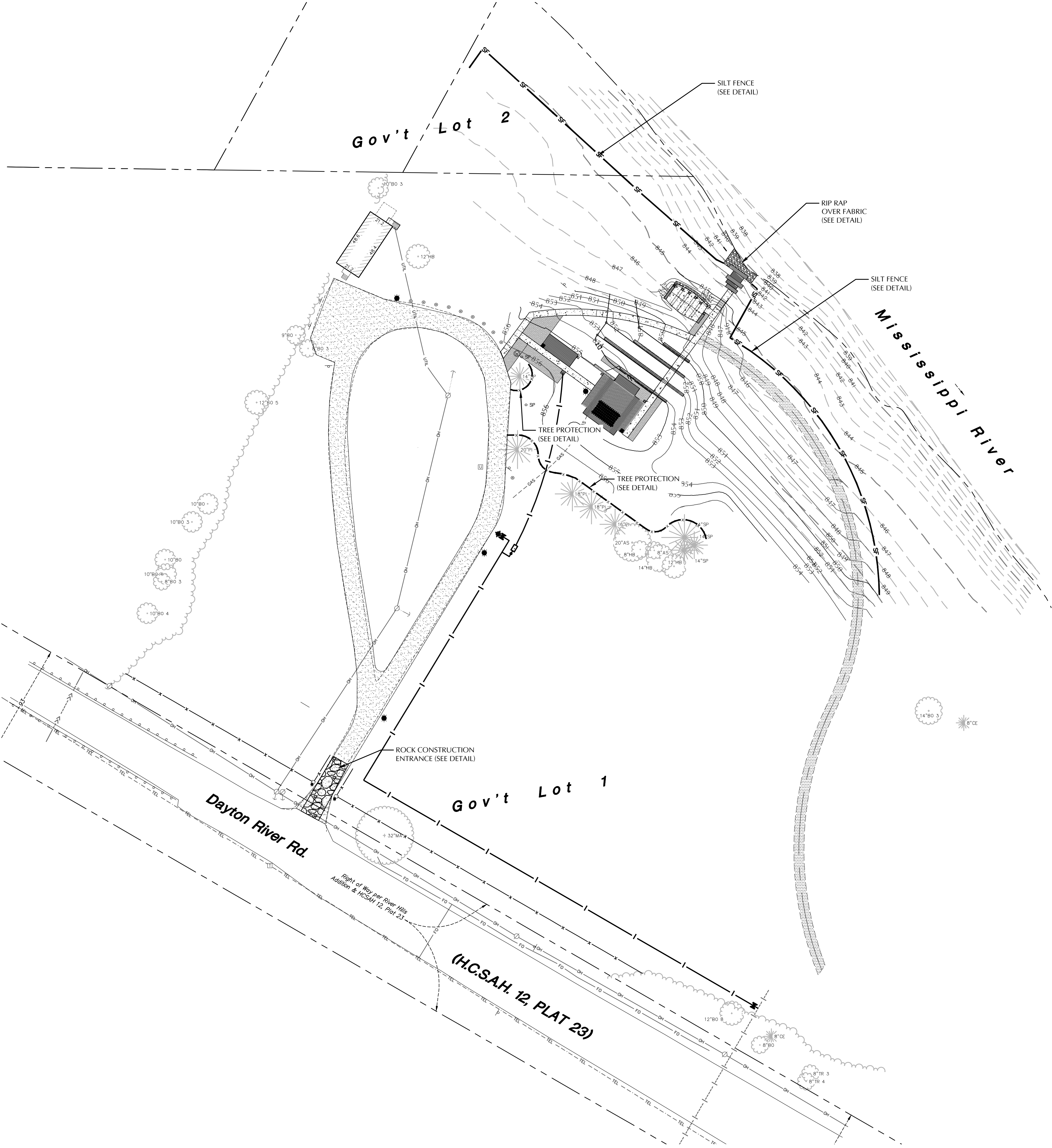
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GRADING PLAN ENLARGEMENT

SF-5

Plotted: 03 / 26 / 2020 4:54 PM W:\2015\15659A\CADD DATA\CIVIL\dwg Sheet Files\SF-5 Grading Plan Enlargement



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SWPPP LEGEND

- SF SILT FENCE
- Tree Protection (SEE DETAIL)
- RIP RAP
- ROCK CONSTRUCTION ENTRANCE

NOTE

SEE SHEET SF-7 FOR ADDITIONAL SWPPP INFORMATION.

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Trevor D. Gruys - PE

License No. 53706
Date 03/27/20

QUALITY CONTROL

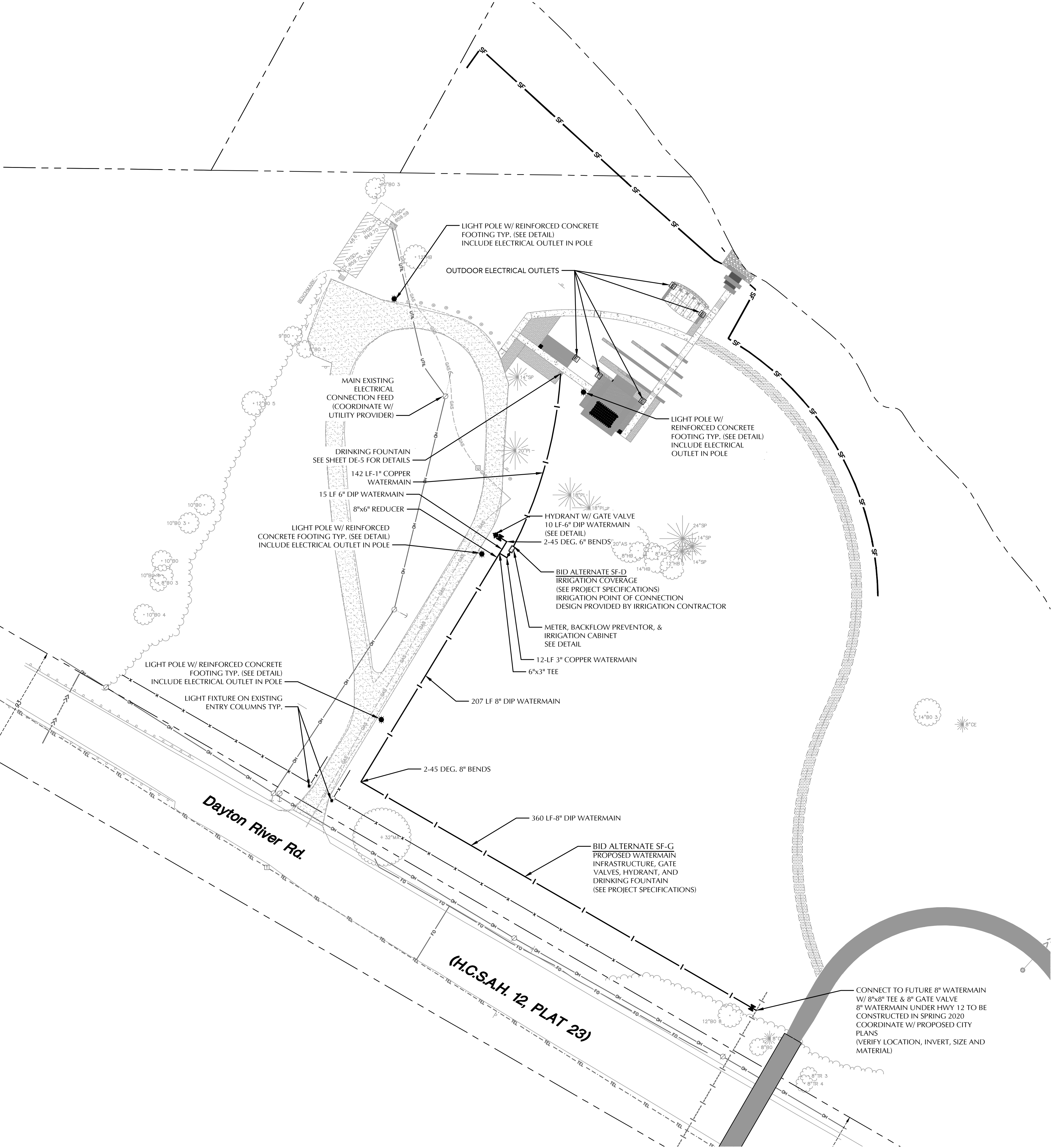
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STORMWATER
POLLUTION
PREVENTION
PLAN

SF-6



UTILITY NOTES

- ALL SANITARY SEWER, STORM SEWER AND WATERMAIN UTILITIES SHALL BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF THE SPECIFICATIONS, THE MINNESOTA PLUMBING CODE, THE LOCAL GOVERNING UNIT, AND THE STANDARD UTILITIES SPECIFICATION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM), 2013 EDITION.
- ALL UTILITY PIPE BEDDING SHALL BE COMPACTED SAND OR FINE GRANULAR MATERIAL. ALL COMPACTION SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CEAM SPECIFICATION.
- ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE PERFORMED PER THE REQUIREMENTS OF THE STATE AND LOCAL JURISDICTIONS. THE CITY DEPARTMENT OF ENGINEERING AND BUILDING INSPECTIONS DEPARTMENT AND THE CONSTRUCTION ENGINEER MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT OF WAY, OR WORK IMPACTING PUBLIC UTILITIES.
- A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION AND 10 FEET OF HORIZONTAL SEPARATION IS REQUIRED FROM WATERMAIN FOR ALL UTILITIES UNLESS OTHERWISE NOTED.
- ALL NEW WATERMAIN AND SERVICES MUST HAVE A MINIMUM OF 8.0 FEET OF COVER. EXTRA DEPTH MAY BE REQUIRED TO MAINTAIN A MINIMUM 18" VERTICAL SEPARATION TO SANITARY OR STORM SEWER LINES. THE CONTRACTOR SHALL FIELD ADJUST WATERMAIN TO AVOID CONFLICTS WITH SANITARY SEWER, STORM SEWER, AND SERVICES AS REQUIRED. INSULATION OF WATER AND SANITARY SEWER LINES SHALL BE PROVIDED WHERE 8.0 FEET MINIMUM DEPTH CAN NOT BE ATTAINED.
- ALL FIRE HYDRANTS SHALL BE LOCATED 5 FEET BEHIND BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- PROPOSED PIPE MATERIALS:
WATERMAIN CLASS 52 DIP 6" TO 8" DIAMETER
COPPER 1" TO 3" DIAMETER
- ALL PORTIONS OF THE STORM SEWER SYSTEM, INCLUDING CATCH BASINS, LOCATED WITHIN 10 FEET OF THE BUILDING OR WATER SERVICE LINE MUST BE TESTED ACCORDANCE WITH MINNESOTA RULES, PART 4714.
- ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE GASTIGHT OR WATERTIGHT (SEE MINNESOTA RULES, PART 4714). APPROVED RESILIENT RUBBER JOINTS MUST BE USED TO MAKE WATERTIGHT CONNECTIONS TO MANHOLES, CATCHBASINS, AND OTHER STRUCTURES.
- HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINS MUST COMPLY WITH MINNESOTA RULES, PART 4714:
 - PIPES 4-INCH TO 10-INCH IN SIZE MUST COMPLY WITH AASHTO M252.
 - PIPES 12-INCH TO 60-INCH IN SIZE MUST COMPLY WITH ASTM F2306.
 - ALL FITTINGS MUST COMPLY WITH ASTM D3212.
 - WATER-TIGHT JOINTS MUST BE USED AT ALL CONNECTIONS INCLUDING STRUCTURES.

CIVIL LEGEND

	PROPOSED
SANITARY MANHOLE	
STORM MANHOLE	
CATCH BASIN	
CULVERT	
HYDRANT	
GATE VALVE	
POST INDICATOR VALVE	
LIGHT POLE	
POWER POLE	
SIGN	
BENCHMARK	
SOIL BORINGS	
WATER SERVICE	
SANITARY SERVICE	
HANDICAP PARKING	
DIRECTION OF FLOW	
SPOT ELEVATION	
CONTOURS	
SANITARY SEWER	
STORM SEWER	
WATERMAIN	
FORCE MAIN	
BRANTLE	
SILT FENCE	
CURB & GUTTER	
RETAINING WALL	
TREELINE	
EASEMENT LINE	
SETBACK LINE	
FENCE LINE	
PARKING COUNTS	

ELECTRICAL NOTES - BID ALTERNATE SF-E

- CONTRACTOR TO PROVIDE DESIGN AND SHOP DRAWINGS FOR ALL ELECTRICAL COMPONENTS INCLUDING BUT NOT LIMITED TO:
- (4) AREA LIGHTS:
 - 1.1. FIXTURE TO BE HOLOPHANE GLASWERKS FLAT LED2 BERN.
 - 1.1.1. COLOR - BLACK
 - 1.1.2. COLOR TEMPERATURE - 30K
 - 1.1.3. MOUNTING STYLE - POLE MOUNT
 - 1.2. POLE TO BE HOLOPHANE 15' TALL ALUMINUM RTA POLE
 - 1.2.1. COLOR TO BE BLACK
 - 1.2.2. ARM TO BE BC ARM COLOR TO MATCH POLE
 - 1.2.3. CSB POLE BASE COLOR TO MATCH POLE
 - (2) LIGHTINGS ON THE ENTRY COLUMNS
 - 2.1. FIXTURE TO BE HOLOPHANE GLASWERKS FLAT LED2 BERN.
 - 2.1.1. SMALLER SIZE TO COMPLEMENT ENTRY ROAD LIGHTS
 - 2.1.2. COLOR - BLACK
 - (4) OUTDOOR ELECTRICAL OUTLETS (SEE SHEET SF-3 FOR LOCATIONS)
 - 3.1. DIRECT BURIAL RECEPTACLE POST:
 - 3.1.1. LOW PROFILE ENCLOSURE, WEATHERPROOF WHILE-IN-USE COVER. PROVIDE GFCI TYPE RECEPTACLE. COLOR SHALL BE SELECTED DURING SHOP DRAWING REVIEW. HEAVY DUTY UV-RATED PLASTIC, UL LISTED ENCLOSURE.
 - 3.1. RECEPTACLE PEDESTAL
 - 3.1.1. UNMETERED RECEPTACLE PEDESTAL (50/30/20GFCI) DIRECT BURIAL, 10,000 AIC, 100A MAIN LUG, UNDERGROUND FEED, LOAD CENTER WITH (50A, 240V GFCI TYPE BREAKER), 30A, 120V GFCI TYPE BREAKER), AND (20A, 120V BREAKER). 120 / 240 VOLT SERVICE FROM PANELBOARD SEA1.
 - 3.1.2. MANUFACTURER: MIDWEST ELECTRIC U075CP6010, OR EQUAL
 - WIRING, CONDUITS, AND CONNECTIONS TO MAIN POWER FEED
- SEE SPECIFICATIONS FOR LIGHT FIXTURE AND OUTDOOR OUTLET PRODUCT DATA
- **CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR ALL ELECTRICAL WORK.

CADD QUALIFICATION

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SUBMITTAL/REVISIONS

03/27/20 BID SET

PROFESSIONAL SIGNATURE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Trevor D. Gruys - PE
License No. 53706
Date 03/27/20

QUALITY CONTROL

Loucks Project No. 17671
Project Lead PAK
Drawn By TDG
Checked By TDG
Review Date 03/27/20

SHEET INDEX

CO-1 COVER SHEET
RH-1 - RH-9 RIVER HILLS
SD-1 - SD-3 SUNDANCE WOODS
SF-1 - SF-9 STEPHENS FARM
DE-1 - DE-6 DETAILS



CALL BEFORE YOU DIG

Gopher State One Call

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

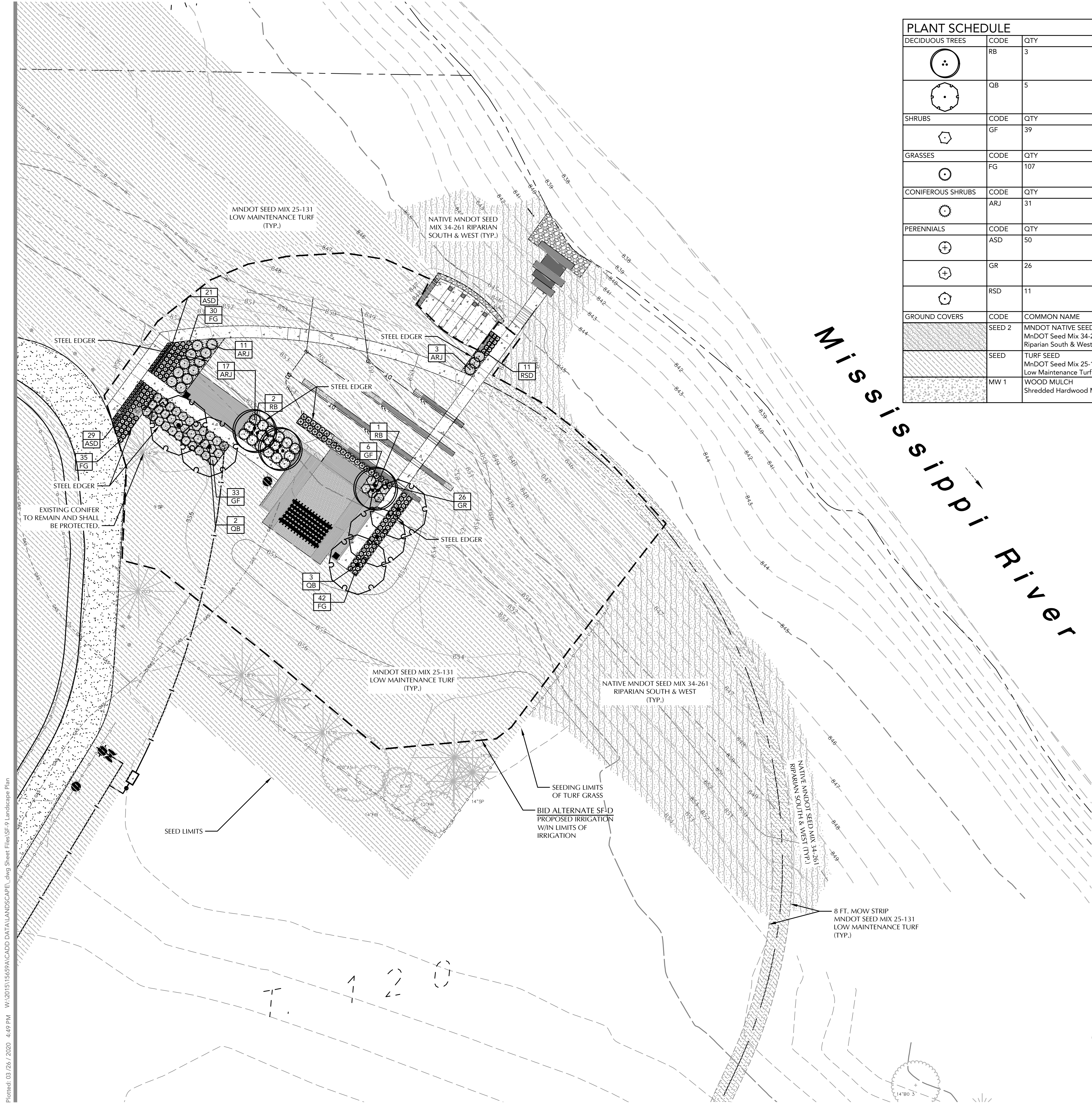
WARNING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.



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PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	SIZE	
	RB	3	RIVER BIRCH CLUMP	Betula nigra	B & B	8' HGT	
	QB	5	SWAMP WHITE OAK	Quercus bicolor	B & B	2.5" Cal	
SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	MIN CONT	MIN SIZE	SPACING
	GF	39	GRO-LOW FRAGRANT SUMAC	Rhus aromatica 'Gro-Low'	5 gal	24" SPRD	48" o.c.
GRASSES	CODE	QTY	COMMON NAME	BOTANICAL NAME	MIN CONT	MIN SIZE	SPACING
	FG	107	FEATHER REED GRASS	Calamagrostis x acutiflora 'Karl Foerster'	1 gal		24" o.c.
CONIFEROUS SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	MIN CONT	MIN SIZE	SPACING
	ARJ	31	ARCADIA JUNIPER	Juniperus sabina 'Arcadia'	5 gal	18" SPRD	60" o.c.
PERENNIALS	CODE	QTY	COMMON NAME	BOTANICAL NAME	MIN CONT	MIN SIZE	SPACING
	ASD	50	APRICOT SPARKLES DAYLILY	Hemerocallis x 'Apricot Sparkles'	5 gal		18" o.c.
	GR	26	ROZANNE CRANESBILL GERANIUM	Geranium x 'Rozanne'	5 gal		30" o.c.
	RSD	11	RUBY STELLA DAYLILY	Hemerocallis x 'Ruby Stella'	1 gal		24" o.c.
GROUND COVERS	CODE	COMMON NAME	BOTANICAL NAME				
	SEED 2	MNDOT NATIVE SEED MIX 34-261 Riparian South & West					
	SEED	TURF SEED MNDOT Seed Mix 25-131 Low Maintenance Turf					
	MW 1	WOOD MULCH Shredded Hardwood Mulch					

GENERAL NOTES:

CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID. HE SHALL INSPECT SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.

VERIFY LAYOUT AND ANY DIMENSIONS SHOWN AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT ANY DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN AND / OR INTENT OF THE PROJECT'S LAYOUT.

ASSURE COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK OR MATERIALS SUPPLIED.

CONTRACTOR SHALL PROTECT ALL EXISTING ROADS, CURBS / GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING PLANTING OPERATIONS. ANY DAMAGE TO SAME SHALL BE REPAIRED AT NO COST TO THE OWNER.

CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF ALL UNDERGROUND AND ABOVE GRADE UTILITIES AND PROVIDE THE NECESSARY PROTECTION FOR SAME BEFORE CONSTRUCTION / MATERIAL INSTALLATION BEGINS (MINIMUM 10' - 0" CLEARANCE).

ALL UNDERGROUND UTILITIES SHALL BE LAID SO THAT TRENCHES DO NOT CUT THROUGH ROOT SYSTEMS OF ANY EXISTING TREES TO REMAIN.

EXISTING CONTOURS, TRAILS, VEGETATION, CURB / GUTTER AND OTHER EXISTING ELEMENTS BASED UPON INFORMATION SUPPLIED TO LANDSCAPE ARCHITECT BY OTHERS. CONTRACTOR SHALL VERIFY ANY AND ALL DISCREPANCIES PRIOR TO CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.

THE ALIGNMENT AND GRADES OF THE PROPOSED WALKS, TRAILS AND / OR ROADWAYS ARE SUBJECT TO FIELD ADJUSTMENT REQUIRED TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE TREE REMOVAL AND GRADING. ANY CHANGE IN ALIGNMENT MUST BE APPROVED BY LANDSCAPE ARCHITECT.

REFER TO SHEET SF-2 FOR ALL OVERALL SEEDING OF PROJECT.

REFER TO SHEET RH-9 FOR PLANTING NOTES AND PLANTING DETAILS.

IRRIGATION/WATERING NOTES:

IRRIGATION IS NOT PLANNED FOR THIS SITE. FOR THE HEALTH AND SURVIVAL OF ALL PROPOSED PLANTINGS, REGULAR WATERING OF THE PLANTINGS IS RECOMMENDED.

FOR ESTABLISHMENT OF PLANTINGS, THE CONTRACTOR IS TO REGULARLY WATER NEWLY INSTALLED PLANTINGS DURING PROJECT CONSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH WATERING RECOMMENDATIONS OR WATERING CONTRACT FOR THE 1 YEAR WARRANTY PERIOD.



CALL BEFORE YOU DIG!

Gopher State One Call

TWIN CITY AREA: 651-454-0002
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2020 DAYTON PARKS IMPROVEMENT PACKAGE

DAYTON, MINNESOTA

CITY OF DAYTON

12260 South Diamond Lake Road
Dayton, MN 55327



PLANNING
CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300
Maple Grove, MN 55369
763.424.5505
www.loucksinc.com

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SUBMITTAL/REVISIONS

03/27/20

BID SET

PROFESSIONAL SIGNATURE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

License No. 26017
Date 03/27/20

QUALITY CONTROL

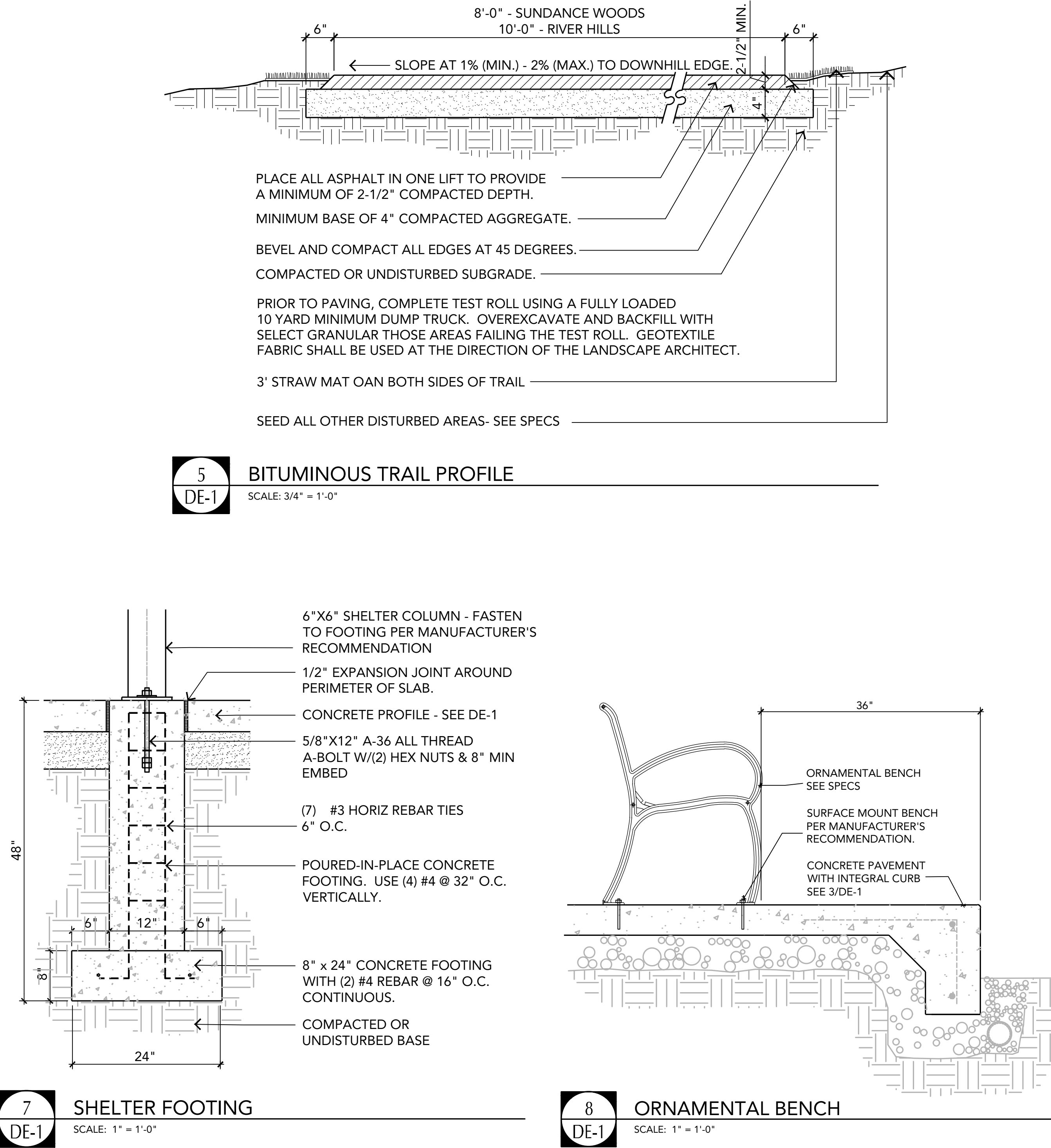
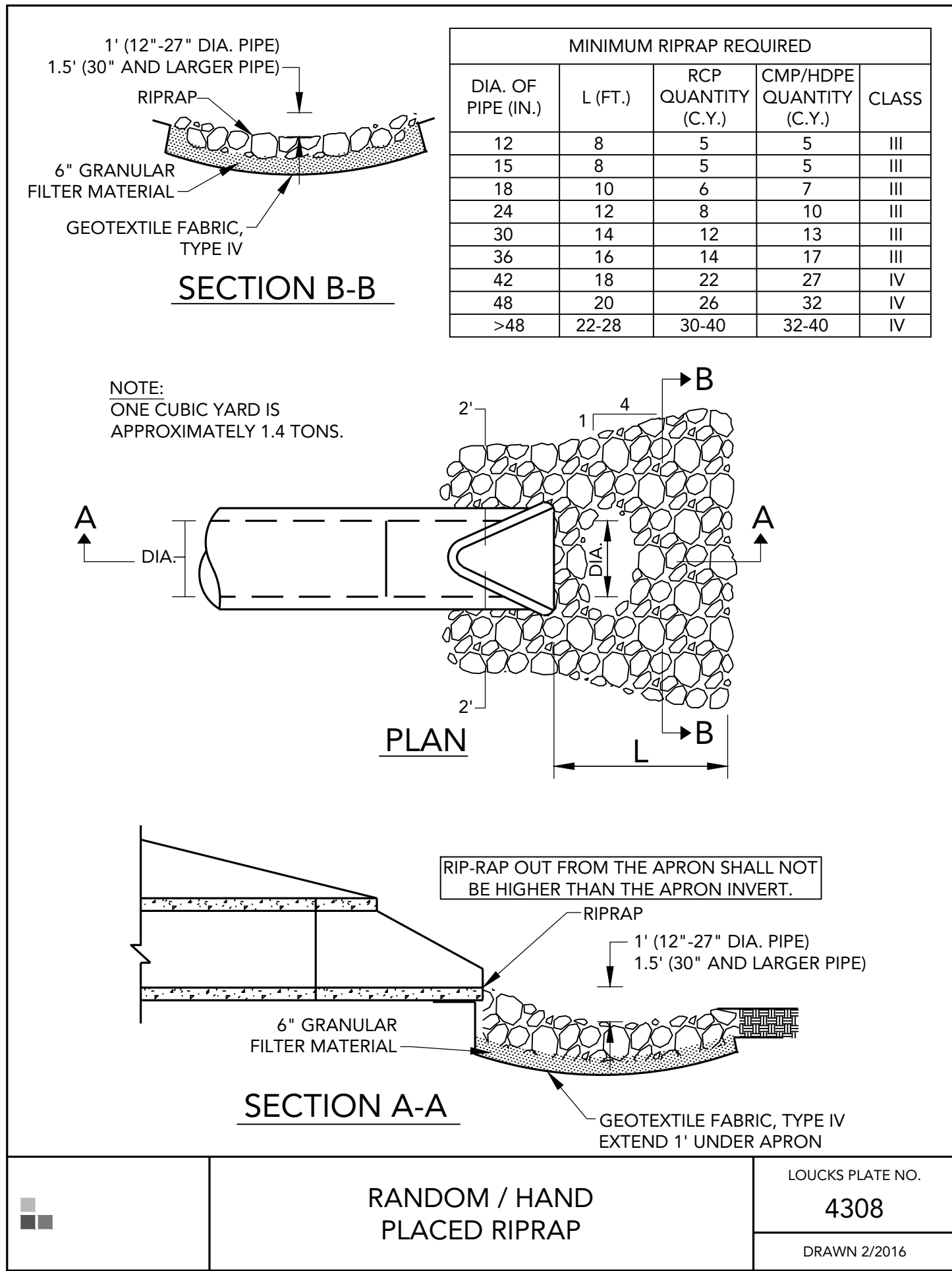
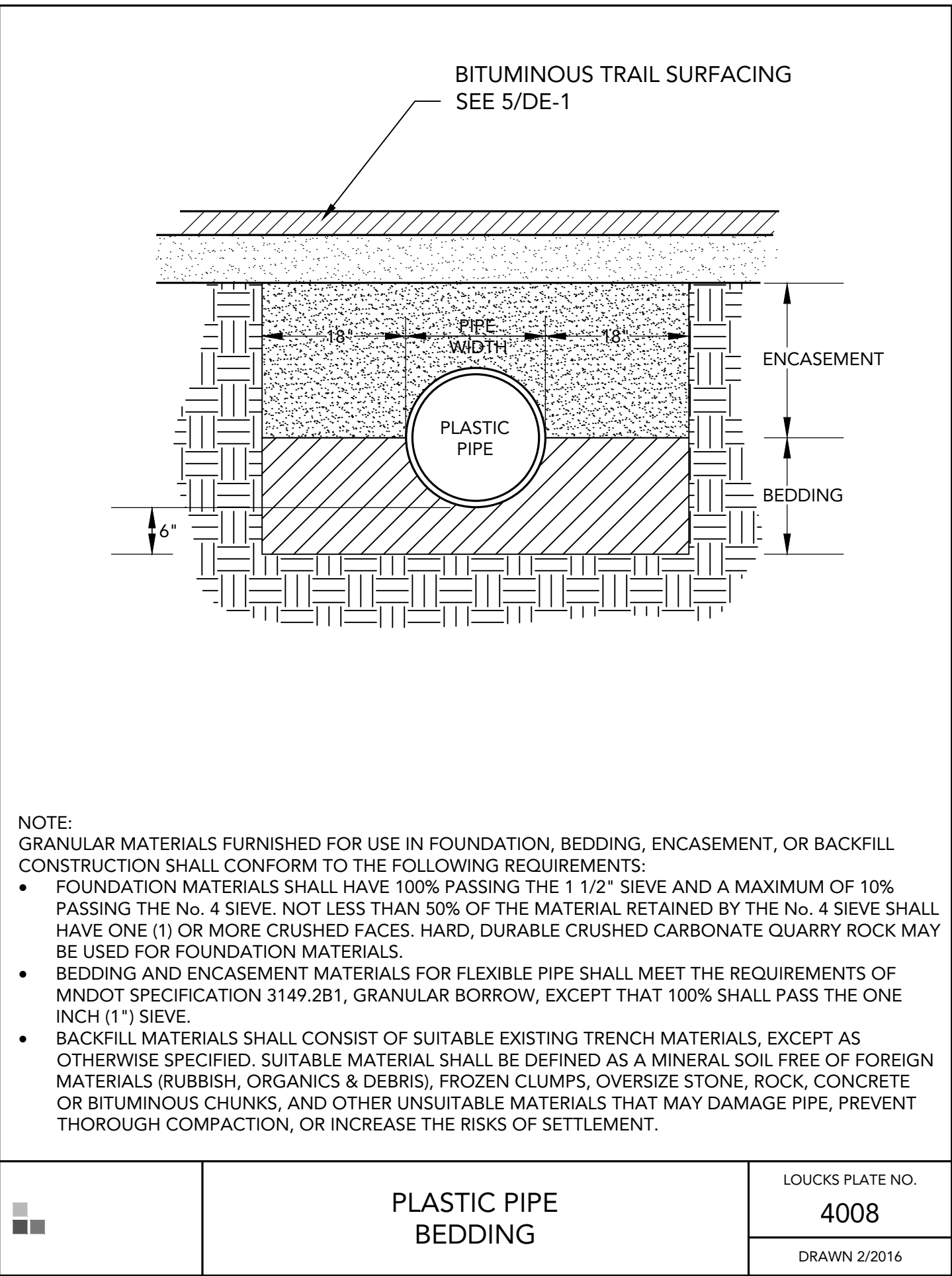
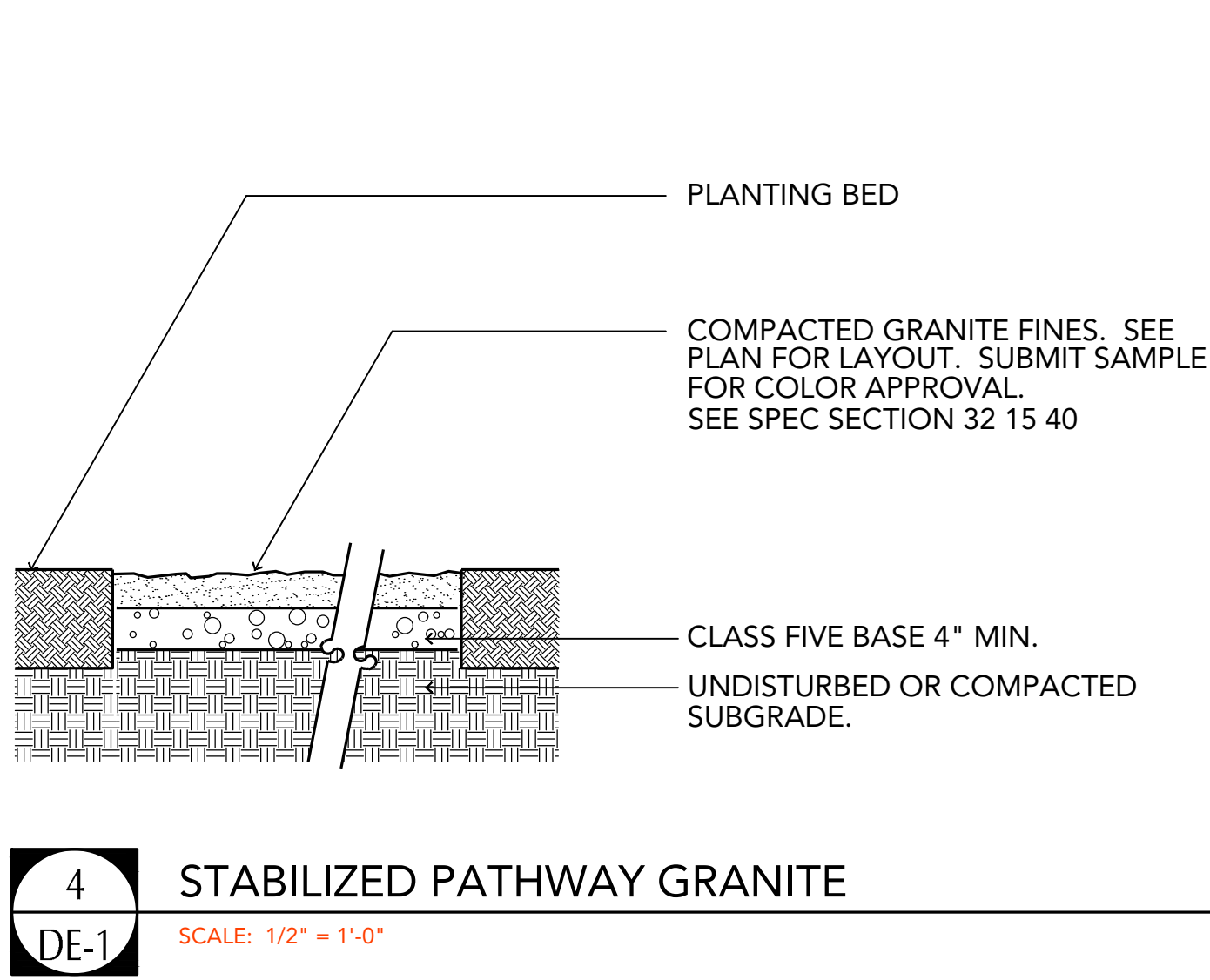
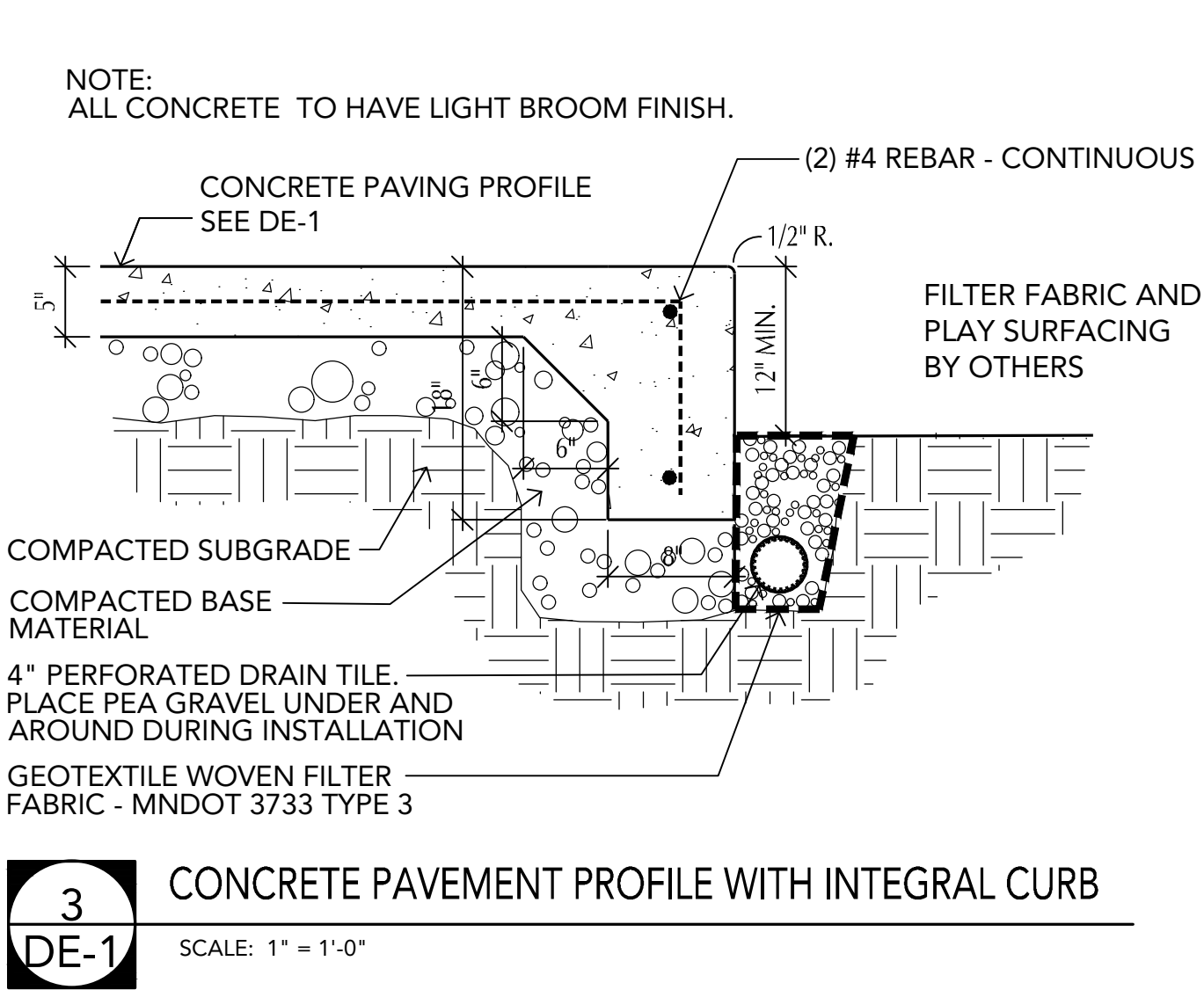
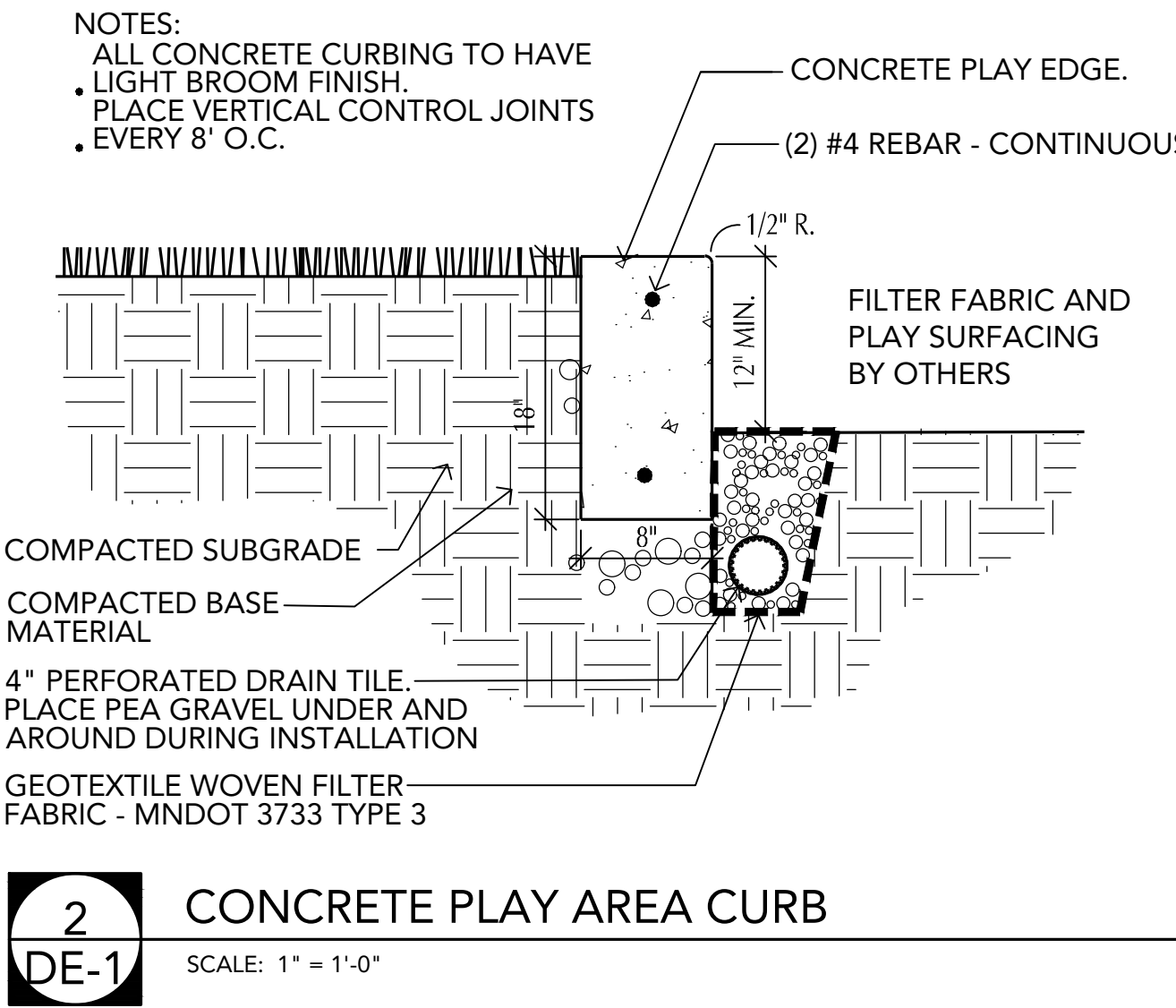
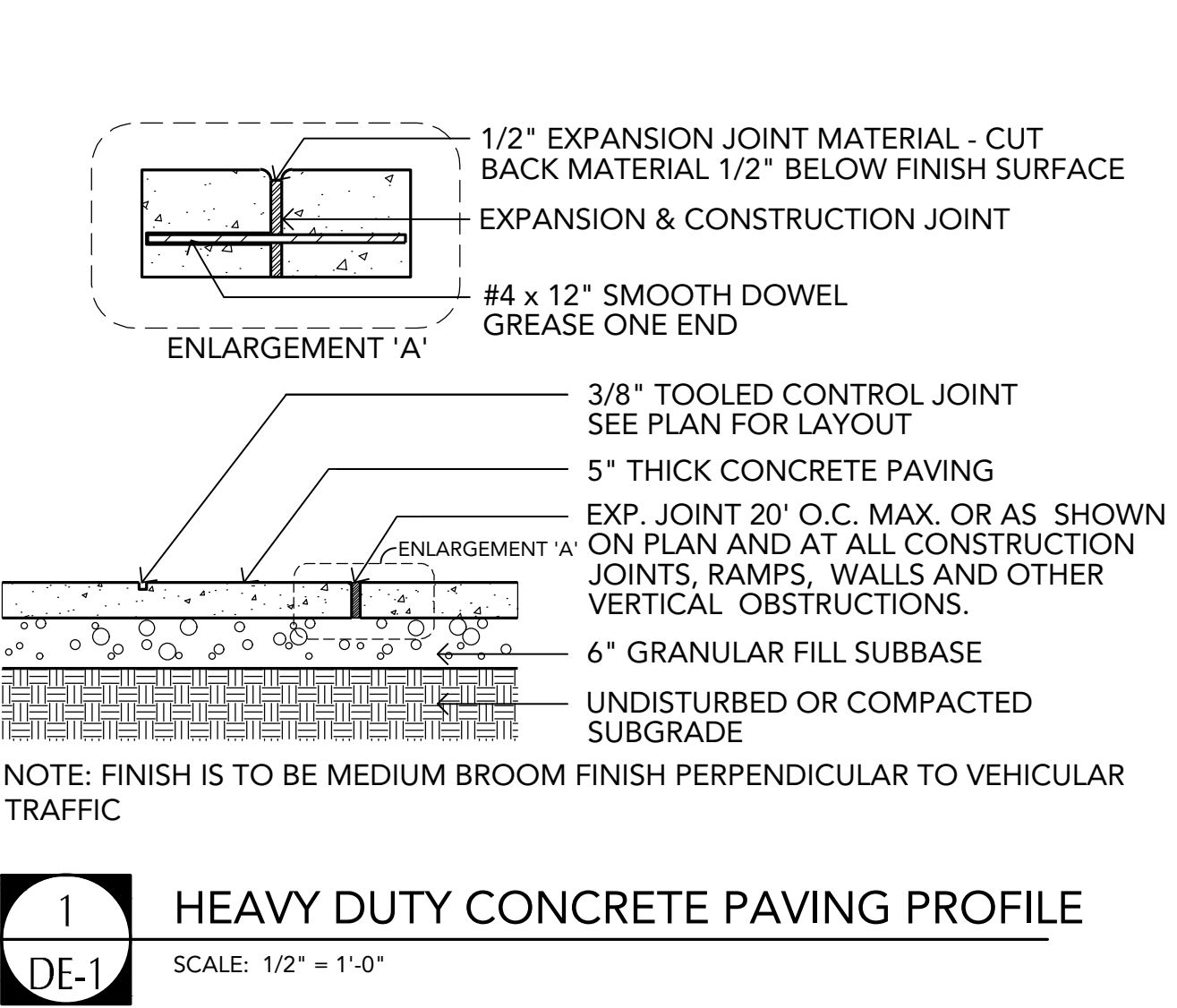
Loucks Project No. 17671
Project Lead PAK
Drawn By GAJ / DDL
Checked By PAK
Review Date 03/27/20

SHEET INDEX

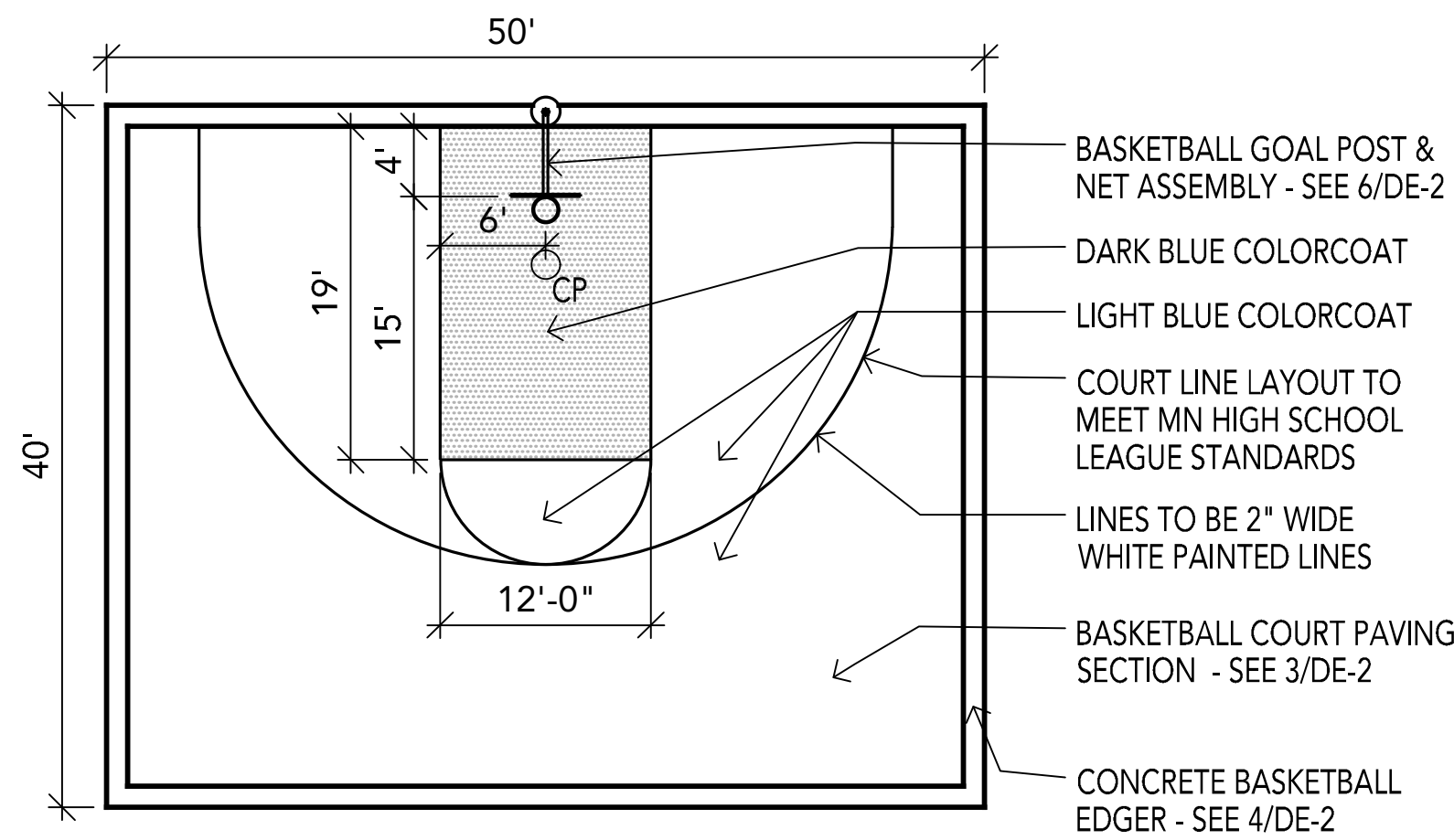
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RH-1 - RH-9 RIVER HILLS
SD-1 - SD-3 SUNDANCE WOODS
SF-1 - SF-9 STEPHENS FARM
DE-1 - DE-6 DETAILS

LANDSCAPE PLAN

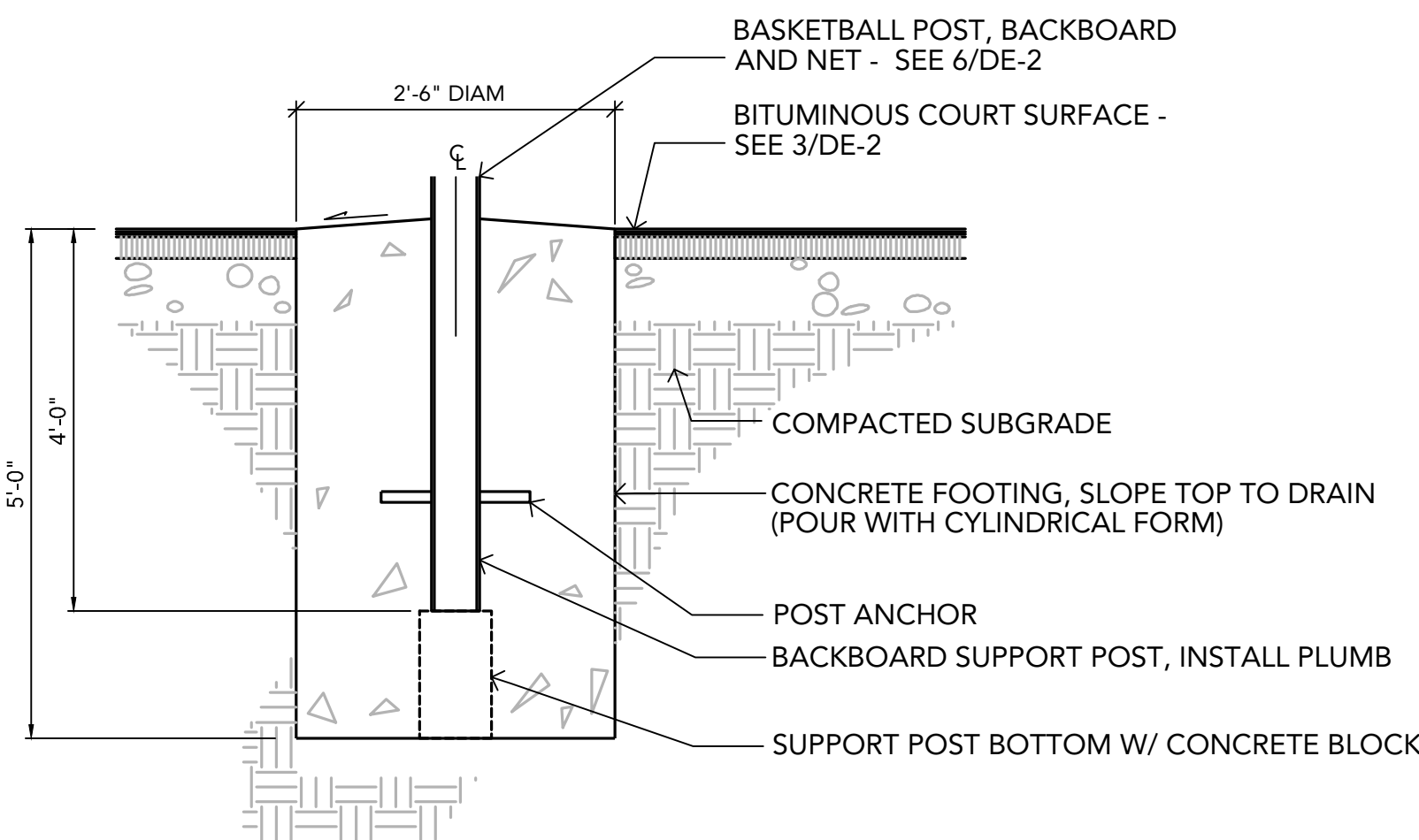
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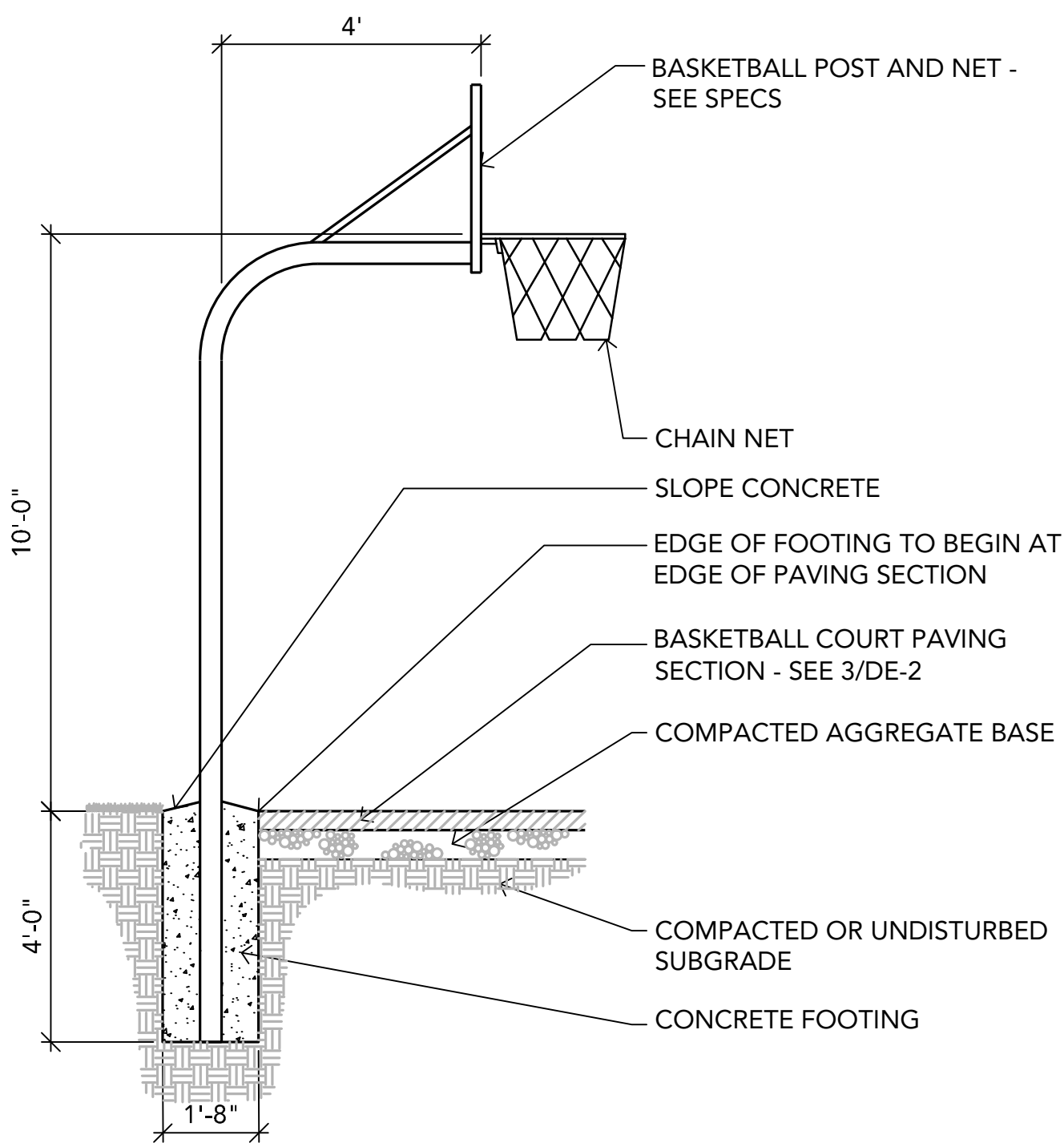
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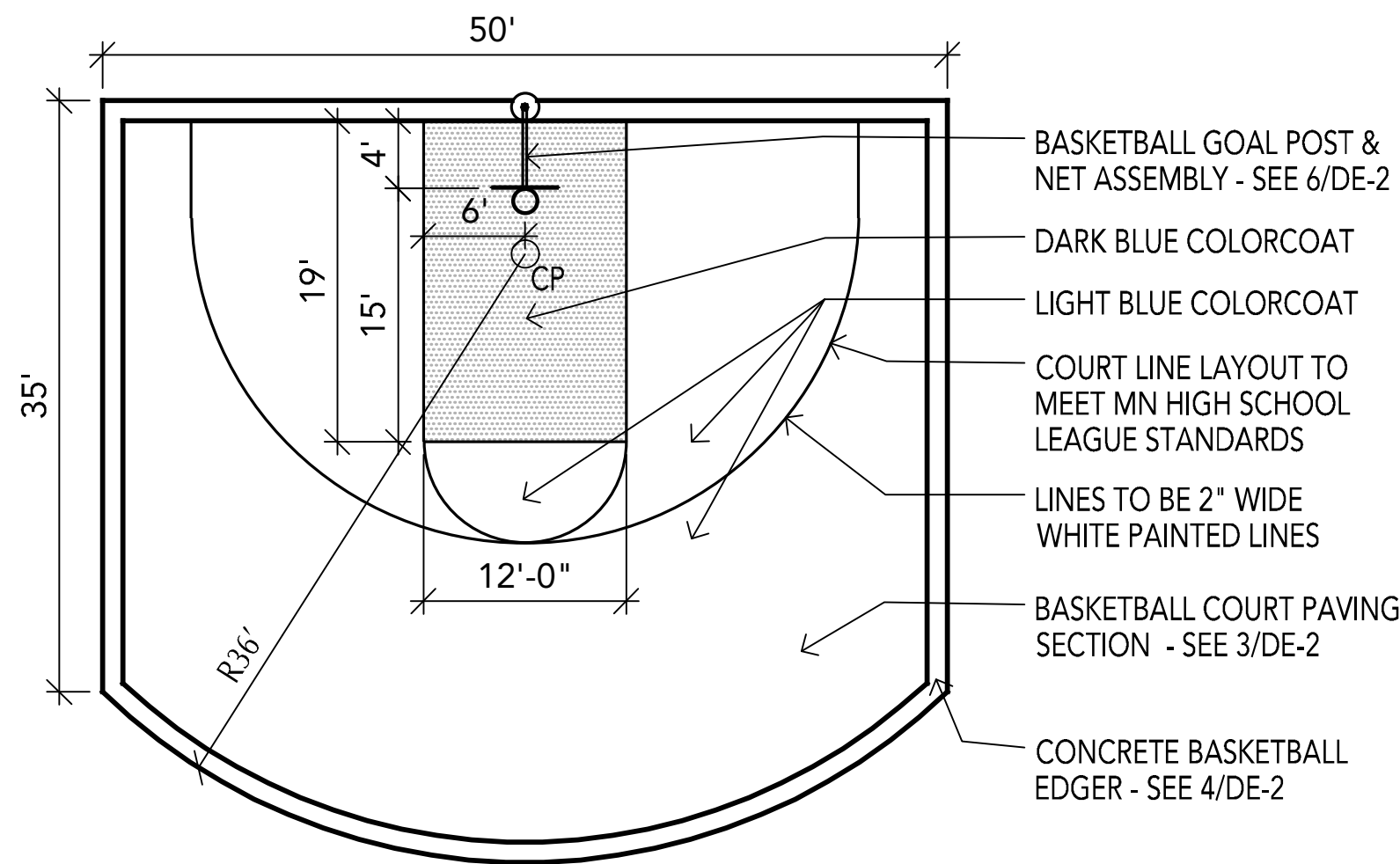
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DE-2
RIVER HILLS BASKETBALL COURT LAYOUT - BID ALTERNATE RH-D
SCALE: 1" = 10'-0"



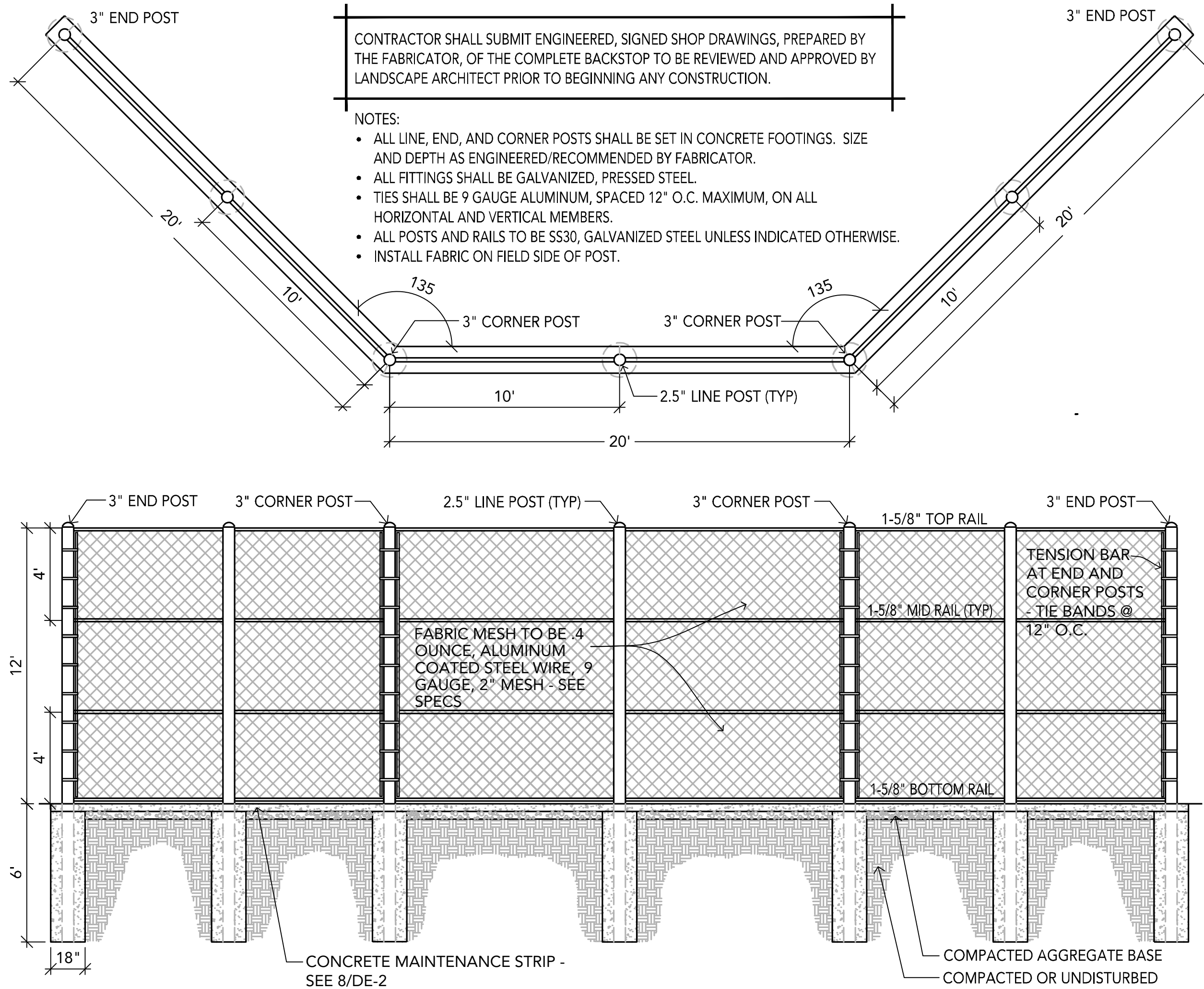
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DE-2
BASKETBALL GOALPOST FOOTING
SCALE: 3/4" = 1'-0"



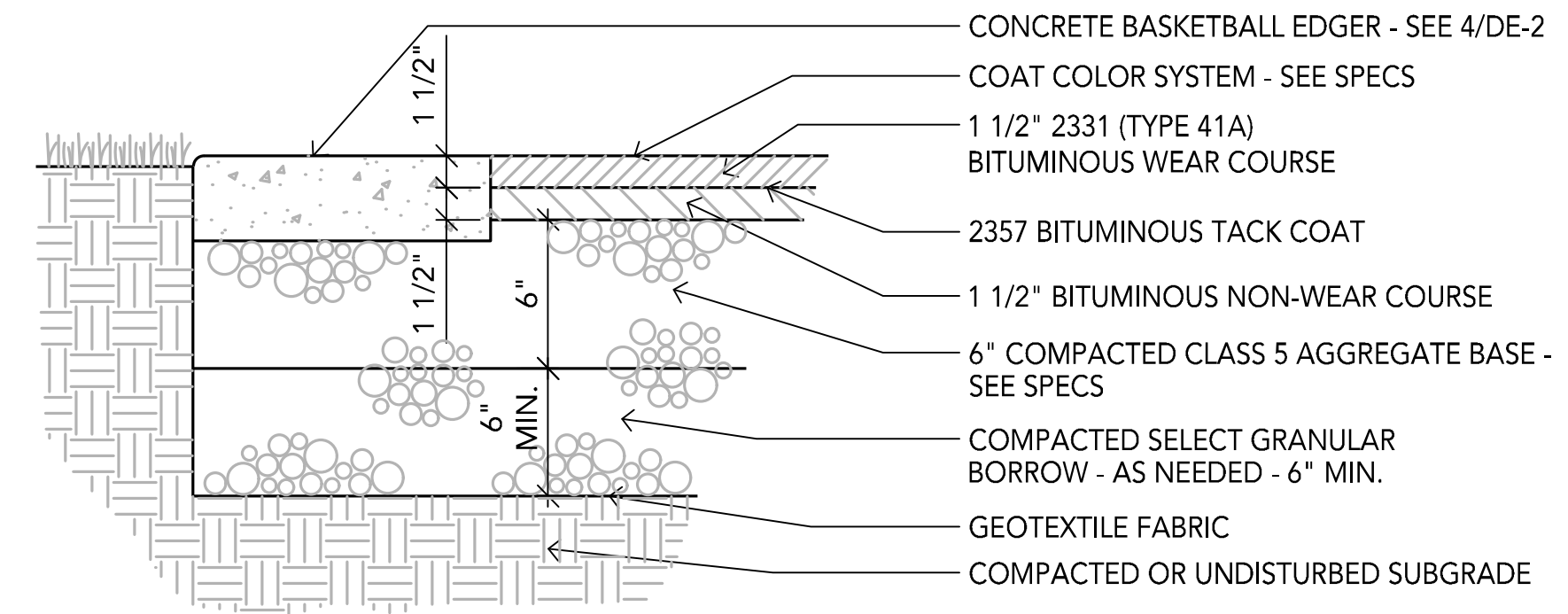
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DE-2
BASKETBALL GOAL POST & NET ASSEMBLY
SCALE: 3/8" = 1'-0"



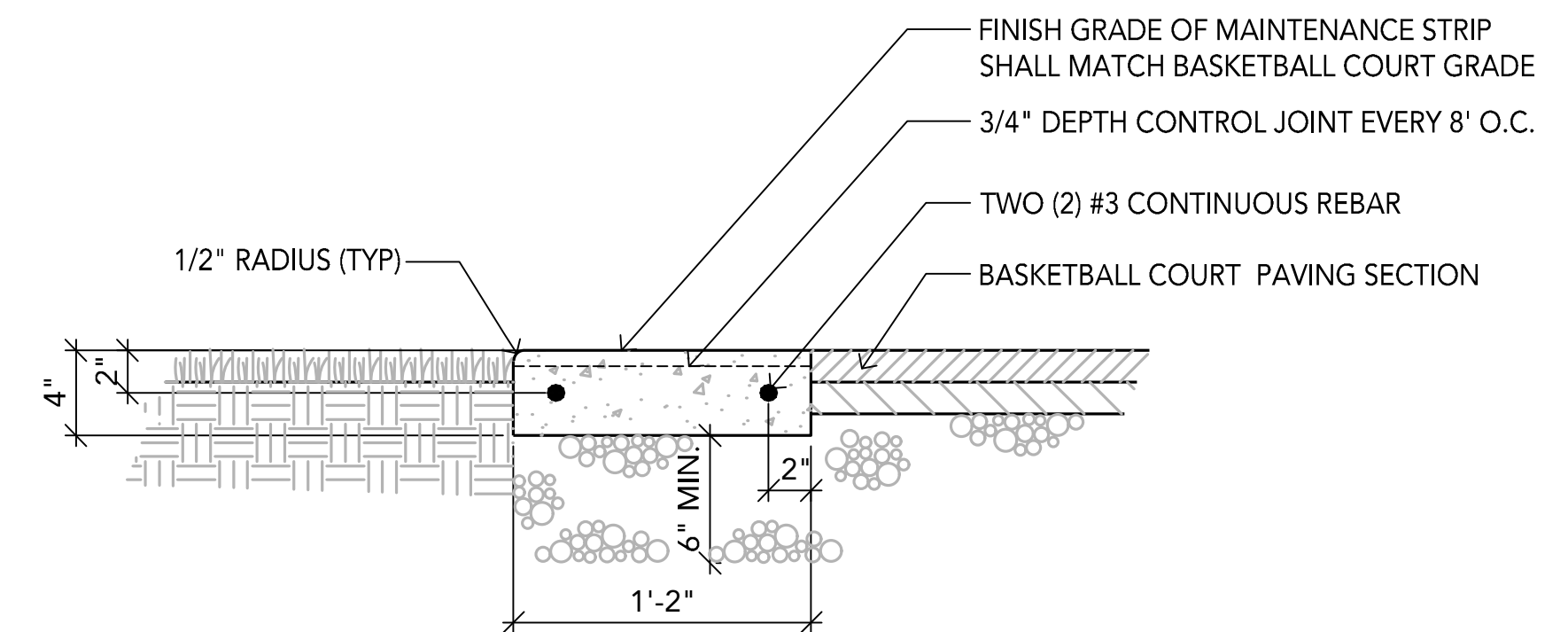
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DE-2
SUNDANCE WOODS BASKETBALL COURT LAYOUT
SCALE: 1" = 10'-0"



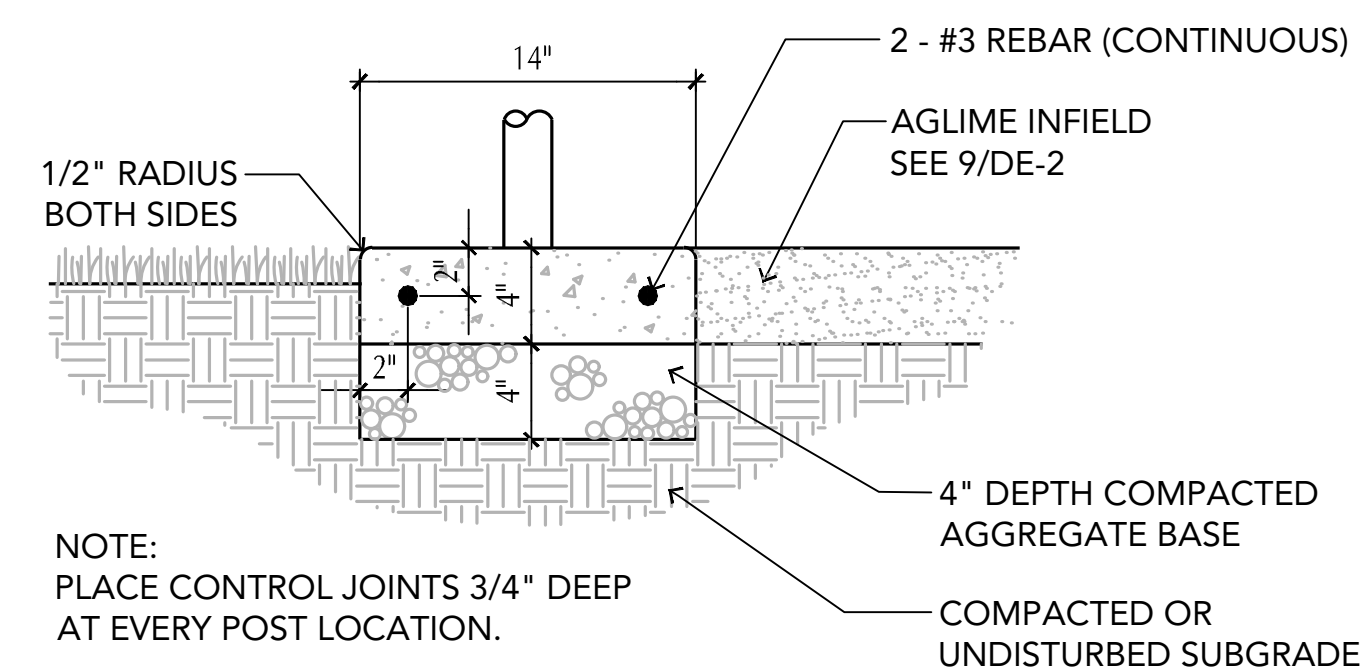
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DE-2
CHAIN LINK MULTI-USE FIELD BACKSTOP - BID ALTERNATE SW-A
SCALE: 1/4" = 1'-0"



3
DE-2
BASKETBALL COURT PAVING SECTION
SCALE: 1 1/2" = 1'-0"

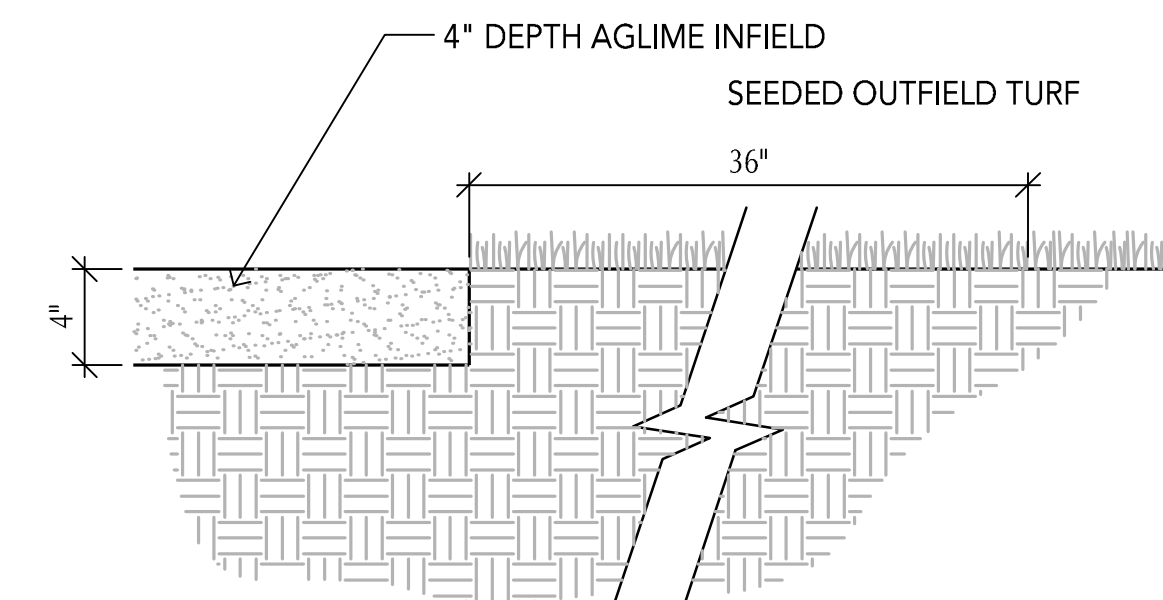


4
DE-2
CONCRETE BASKETBALL EDGER
SCALE: 1 1/2" = 1'-0"



NOTE:
PLACE CONTROL JOINTS 3/4" DEEP
AT EVERY POST LOCATION.

8
DE-2
CONCRETE MAINTENANCE STRIP
SCALE: 1 1/2" = 1'-0"



9
DE-2
AGLIME SURFACING
SCALE: 1 1/2" = 1'-0"

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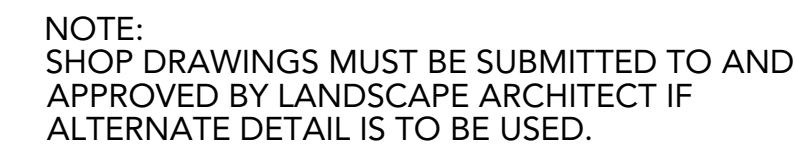
Paul Kangas
Paul Kangas
License No. 26017
Date 03/27/20

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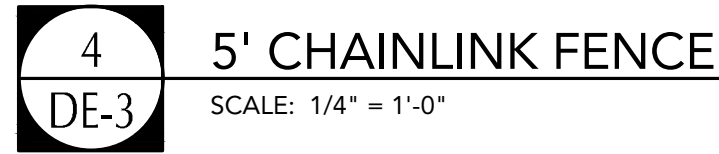
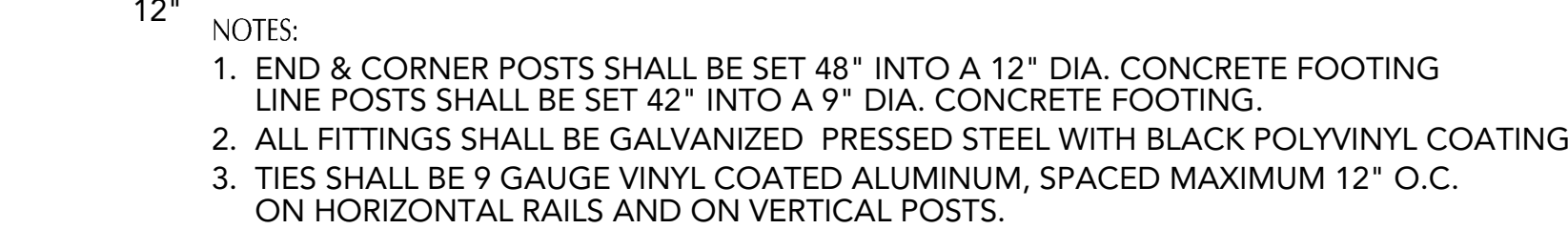
Loucks Project No. 17671
Project Lead PAK
Drawn By GAJ / DDL
Checked By PAK
Review Date 03/27/20

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RH-1 - RH-9 RIVER HILLS
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DE-1 - DE-6 DETAILS



- 6 CONCRETE STAIRS AND RAILING
DE-3 SCALE: 1/2" = 1'-0"



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Paul Kangas

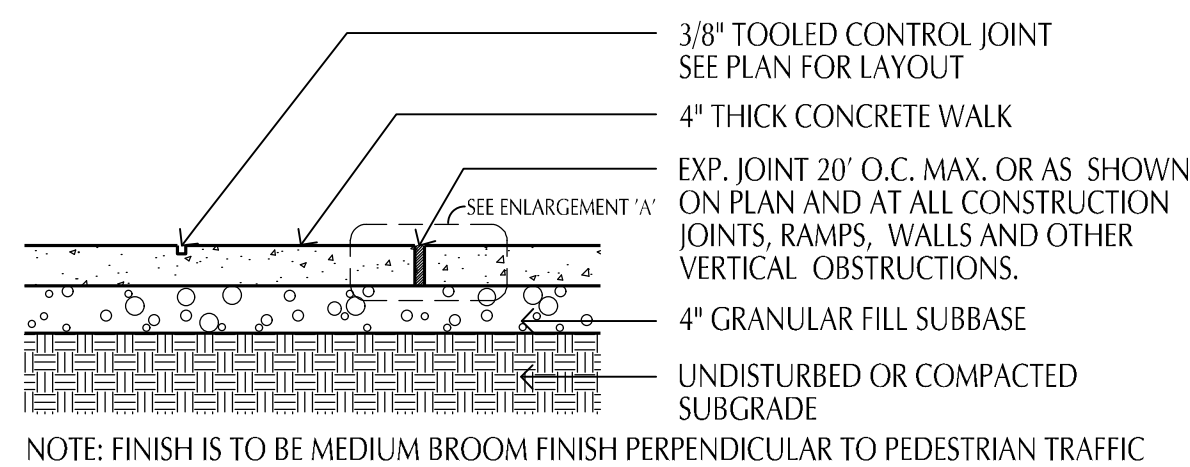
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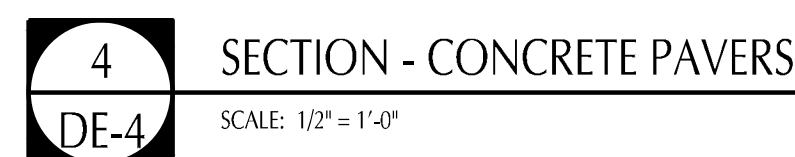
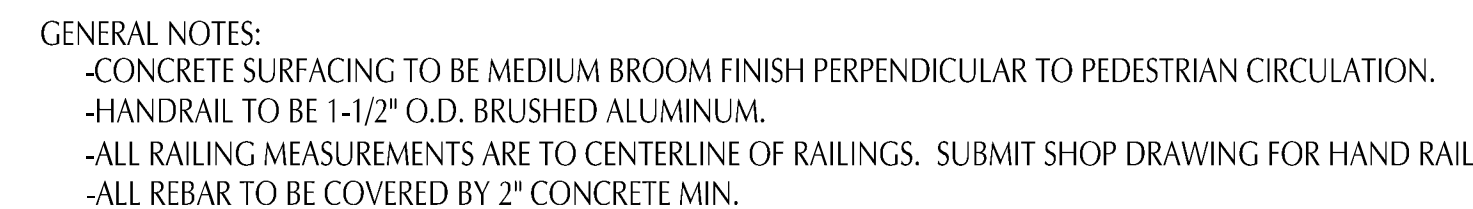
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Project Lead	PAJ
Drawn By	GAJ / DD
Checked By	PAJ
Review Date	03/27/2

SHEET INDEX

C0-1	COVER SHEET
RH-1 - RH-9	RIVER HILL
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SF-1 - SF-9	STEPHENS FARM
DE-1 - DE-6	DETAILS



NOTE: FINISH IS TO BE MEDIUM BROOM FINISH PERPENDICULAR TO PEDESTRIAN TRAFFIC.



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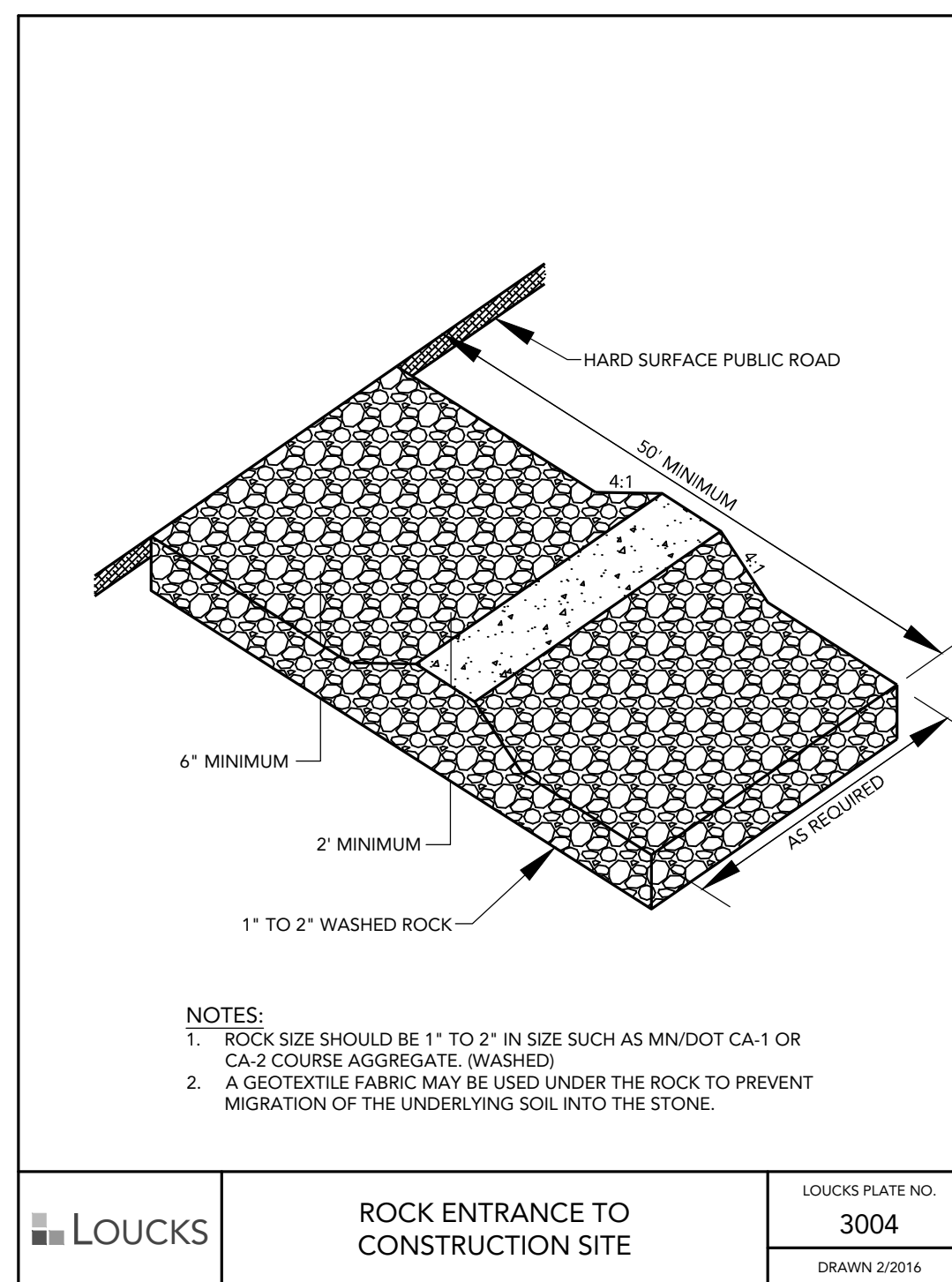
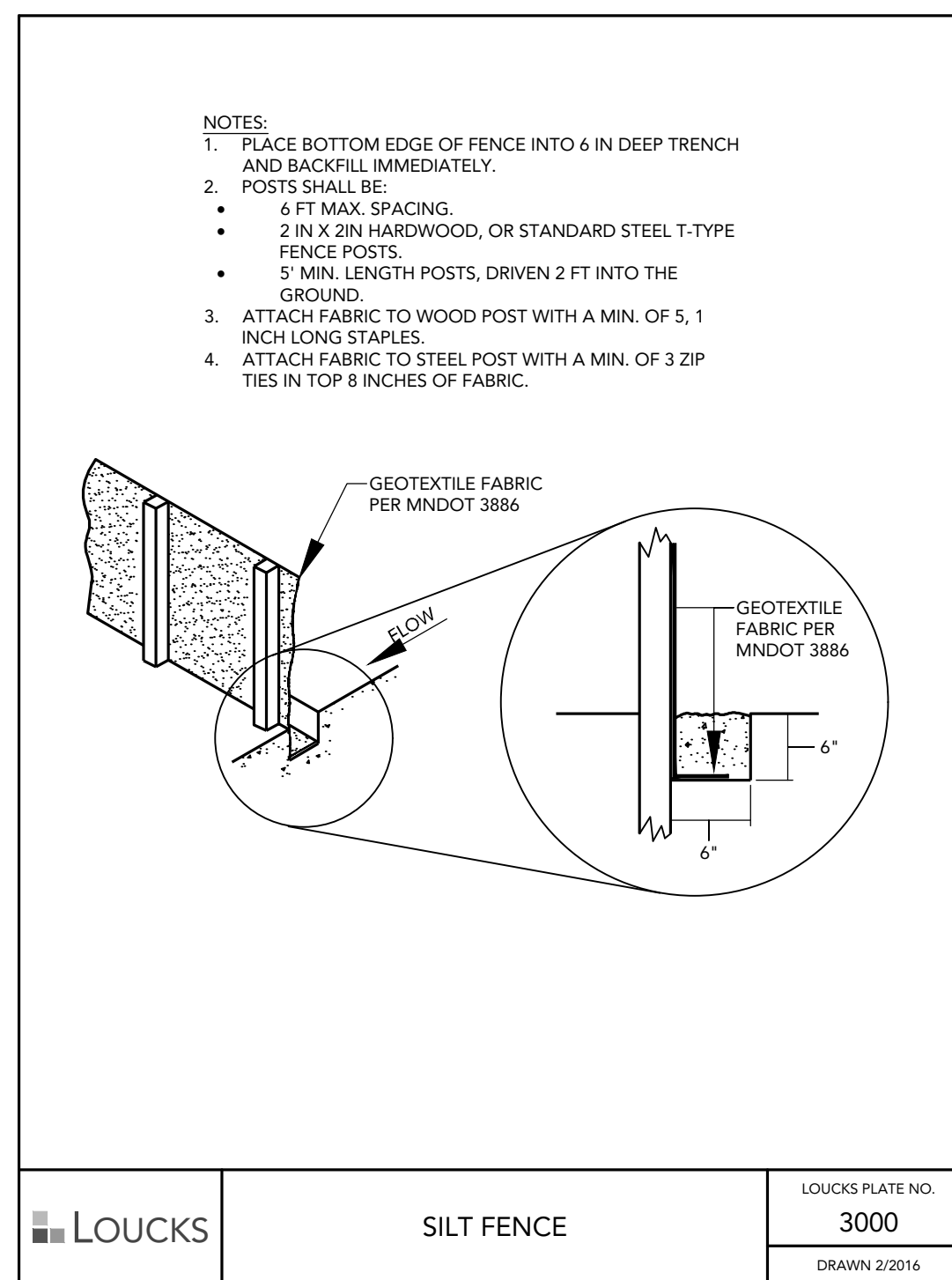
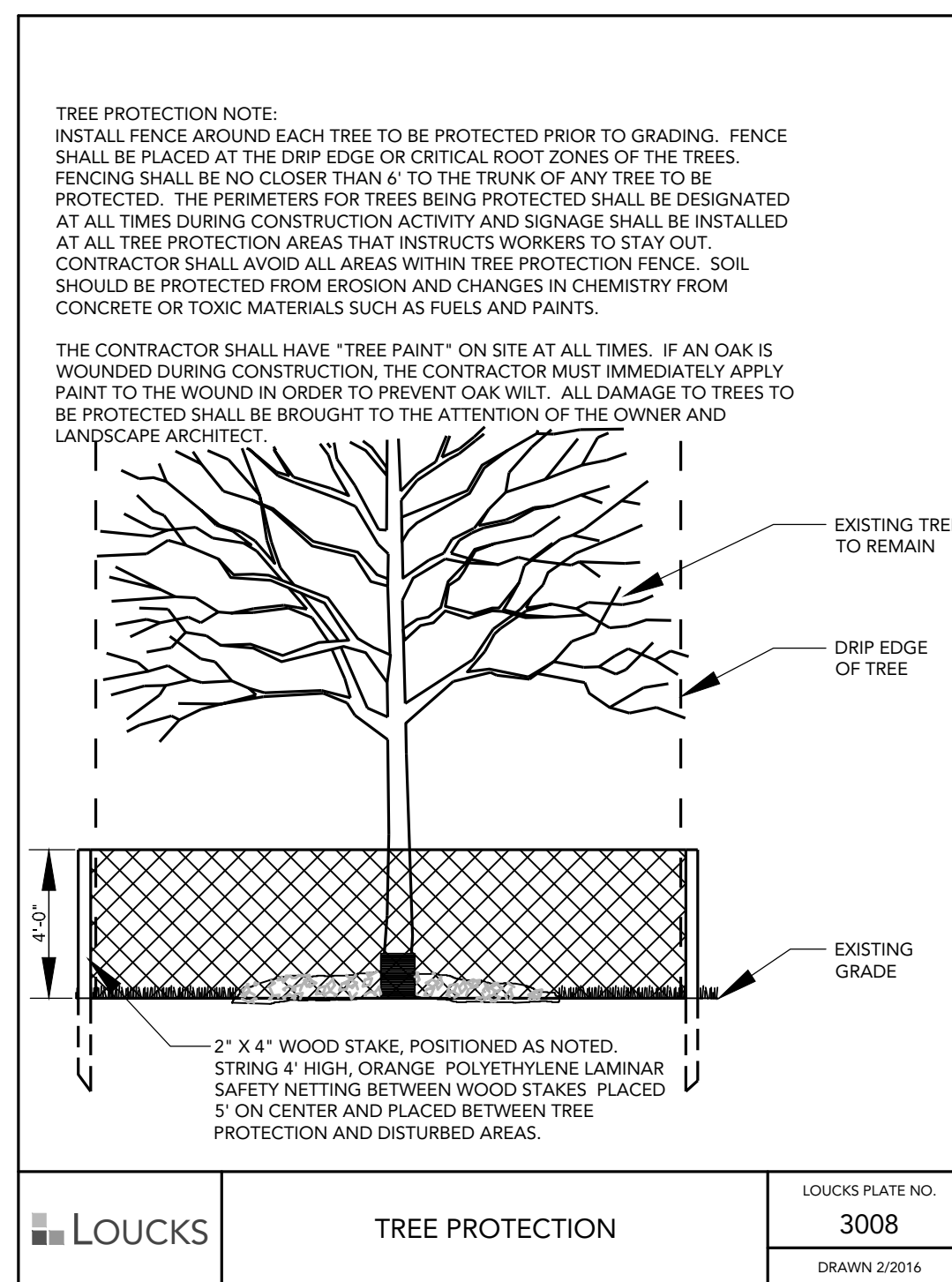
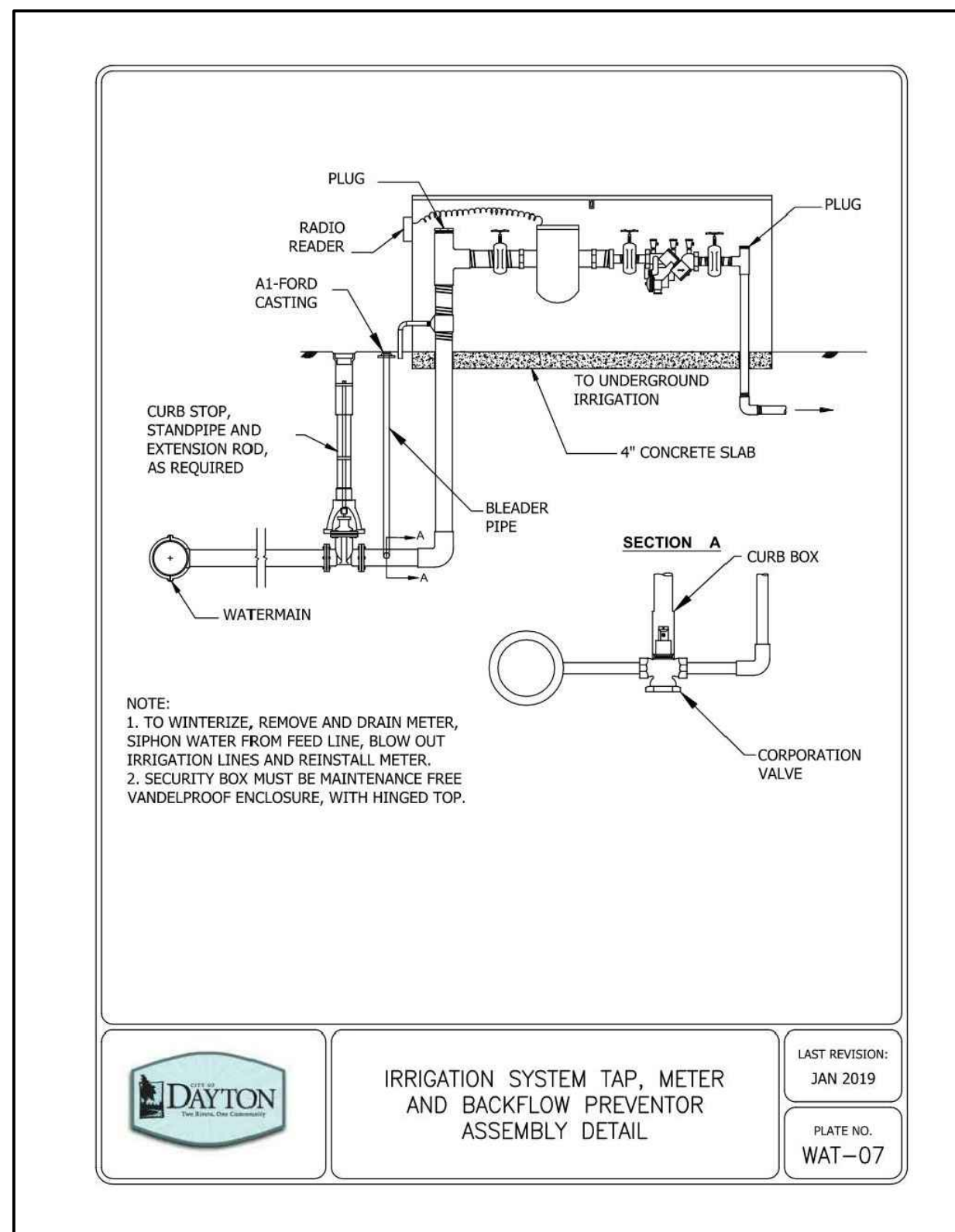
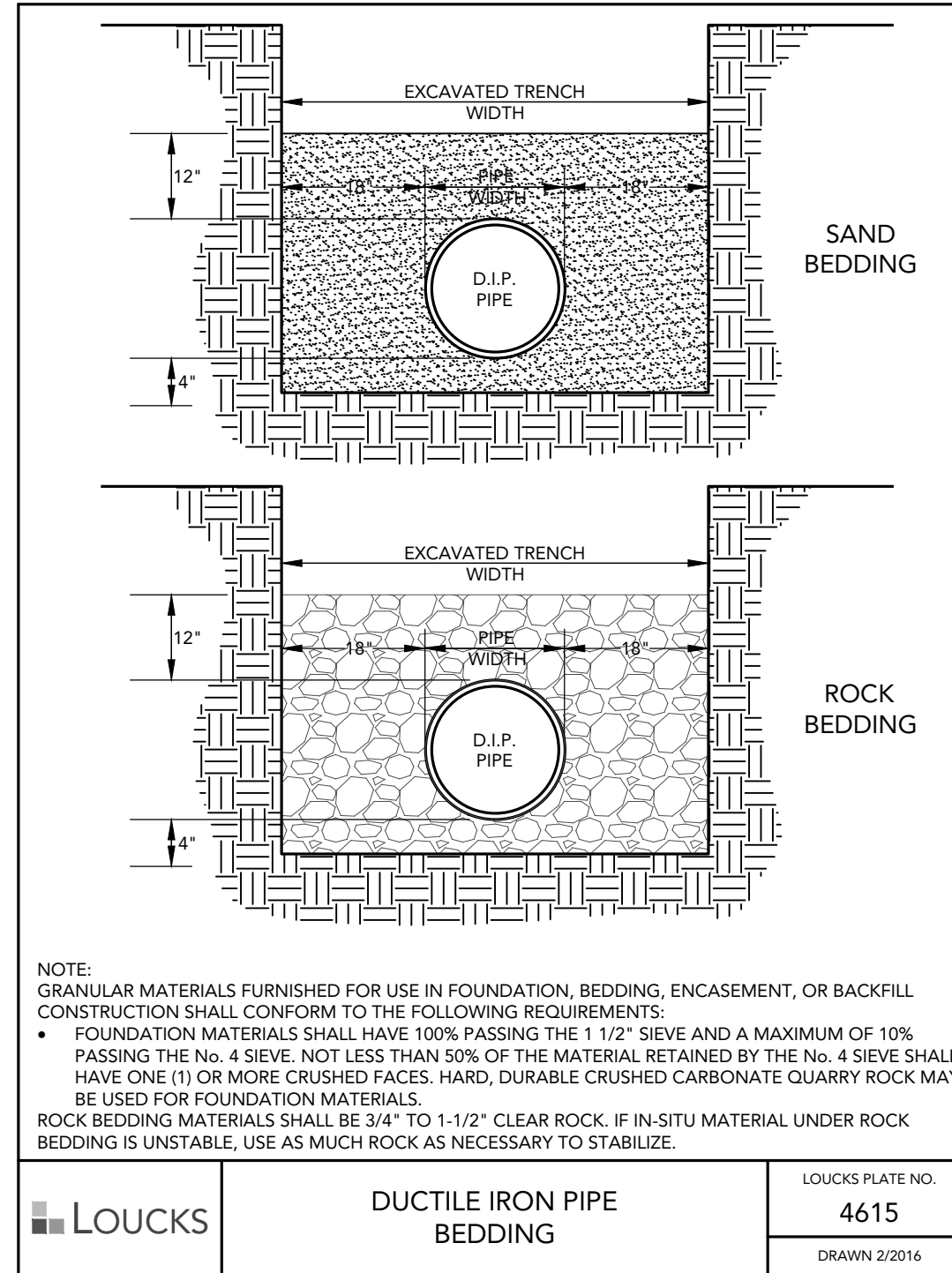
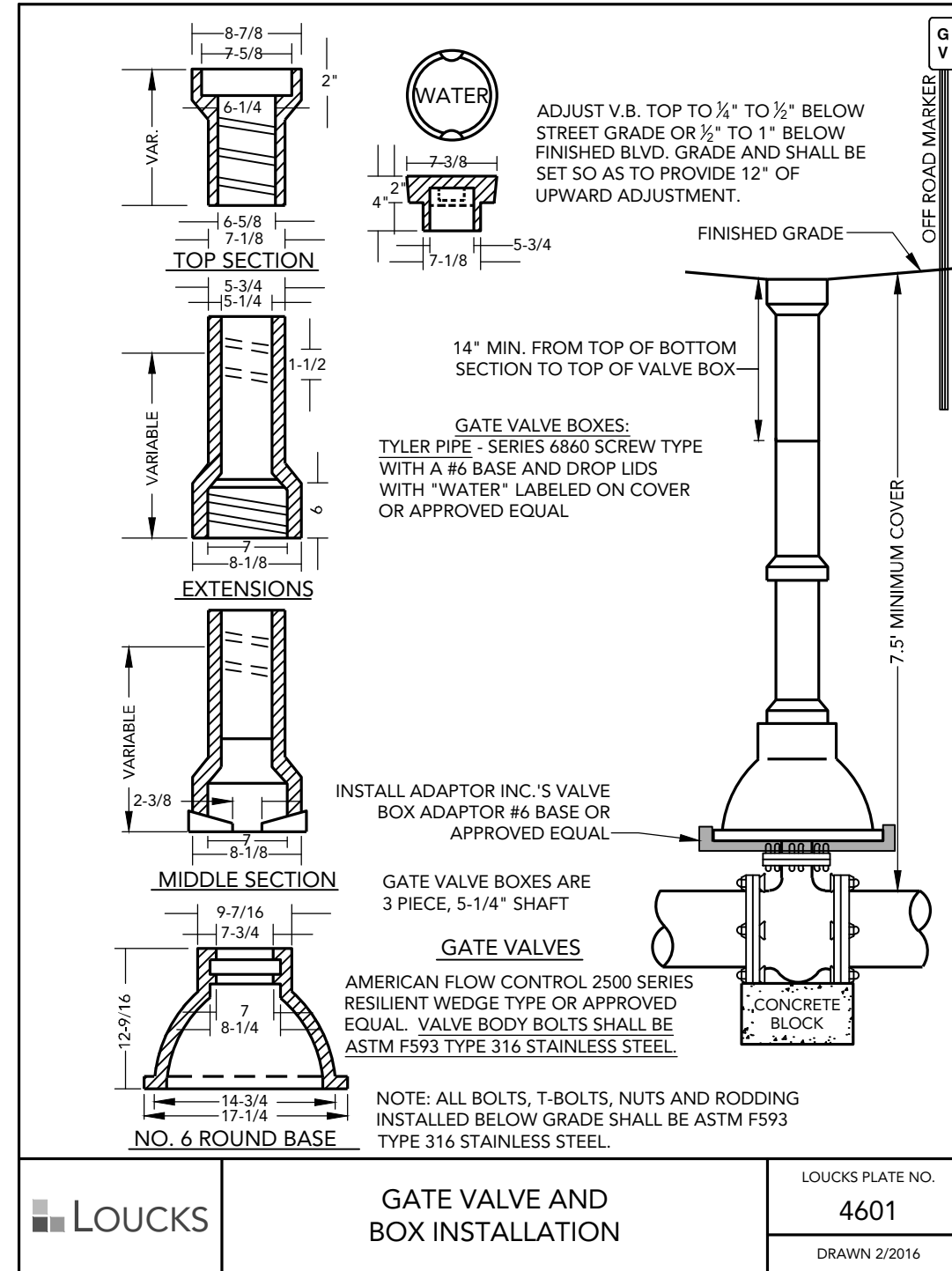
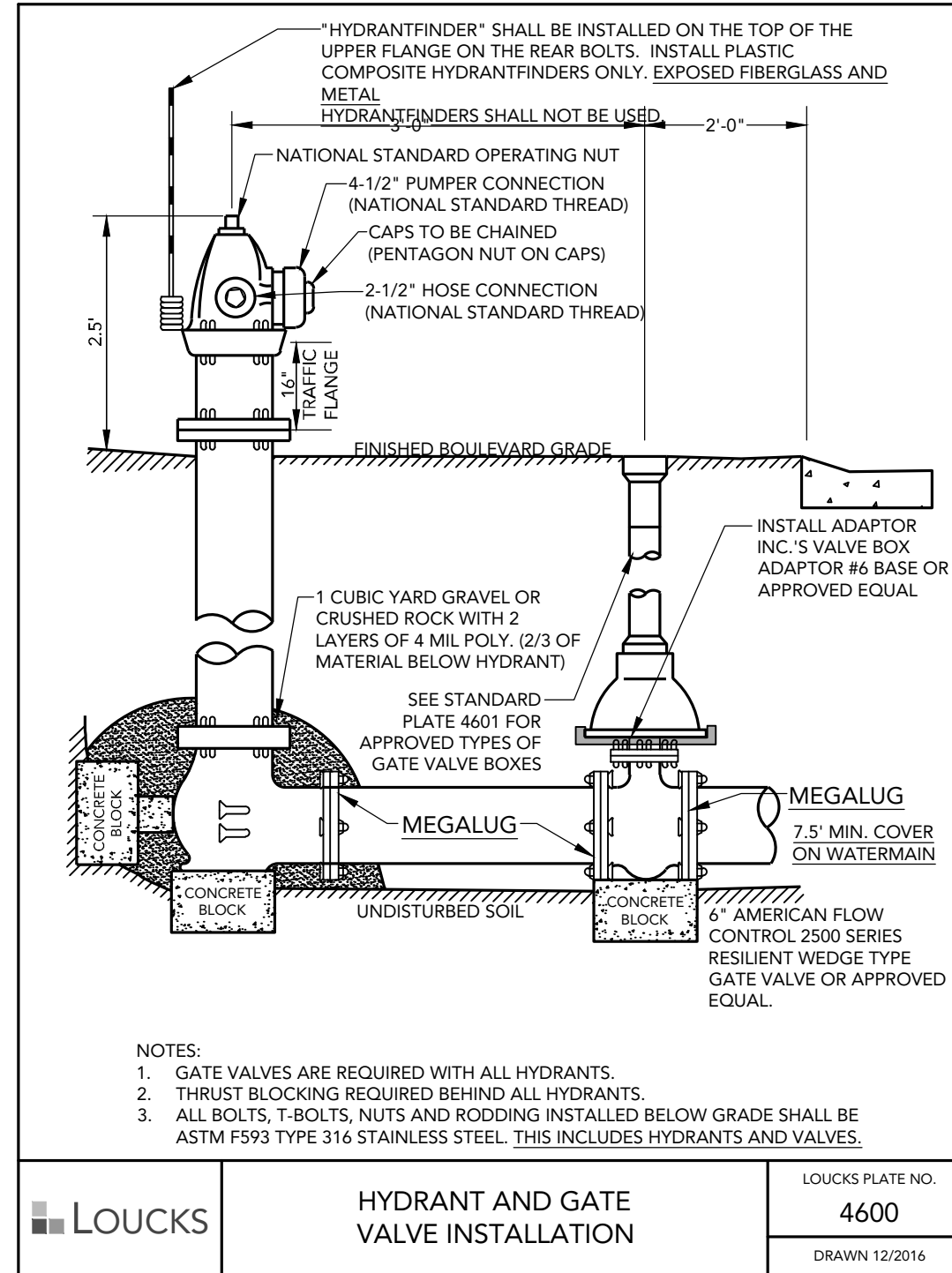
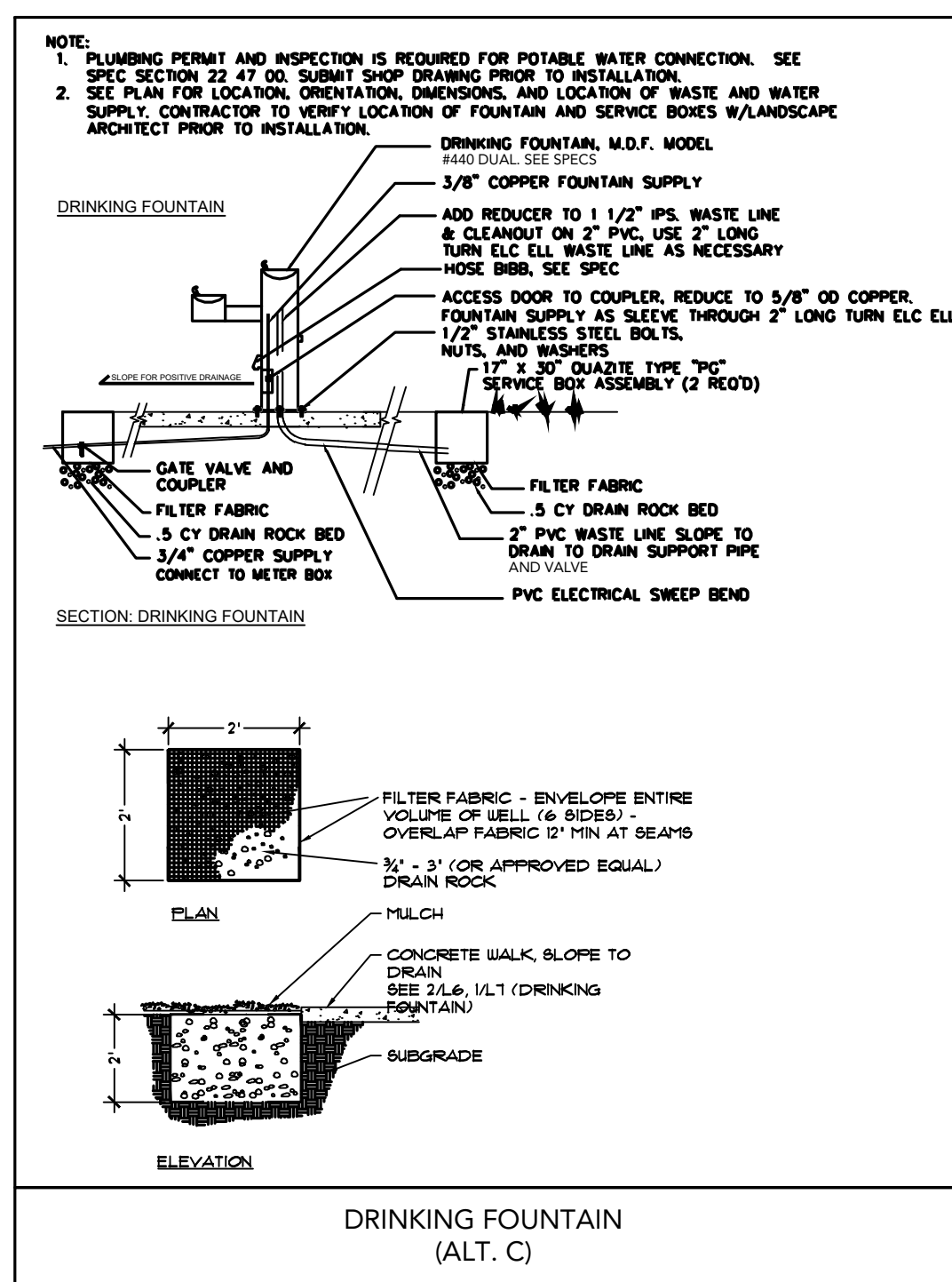
License No. 2601
Date 03/27/2

QUALITY CONTROL

Loucks Project No. 1767
Project Lead PA
Drawn By GAJ / DD
Checked By PA
Review Date 03/27/2

SHEET INDEX

C0-1	COVER SHEET
RH-1 - RH-9	RIVER HILLS
SD-1 - SD-3	SUNDANCE WOODS
SF-1 - SF-9	STEPHENS FARM
DE-1 - DE-6	DETAILS





FOR ESTABLISHMENT OF PLANTINGS, THE CONTRACTOR IS TO REGULARLY WATER NEWLY INSTALLED PLANTINGS DURING PROJECT CONSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH WATERING RECOMMENDATIONS OR WATERING CONTRACT FOR THE 1 YEAR WARRANTY PERIOD.

LANDSCAPE CONTRACTOR SHALL ESTABLISH TO HIS SATISFACTION THAT SOIL AND COMPACTION CONDITIONS ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AT AND AROUND THE BUILDING SITE.