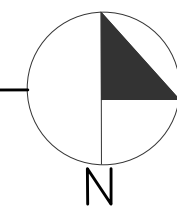


PROJECT LOCATION

- 1 FORD RIVER TOWNSHIP MUNICIPAL COMPLEX
- 2 NO SEE-UM CREEK
- 3 MDOT ROADSIDE PARK
- 4 MDNR BOAT LAUNCH MOUTH OF FORD RIVER
- 5 PORTAGE POINT MARSH
- 6 FOREST ISLANDS TRAIL

VICINITY MAP



PROJECT DESCRIPTION

Ford River Township is a little community located just to the south of Escanaba along M-35. The mouth of Ford River signifies the division between the Little Bay de Noc and Green Bay. The township hall is located along K Road and features a roughly 7 acre park with a parking lot, storage building, accessible port-a-jon, pavilion, and playground with a fence. The proposed project incorporates additional accessible play features, exercise equipment, an accessible picnic area with shade, and an accessible trail painted as a mini roadway to encourage kid road safety practice.

FORD RIVER TOWNSHIP PARK

[BY CONTRACTOR]

Ford River, Michigan

HARDSCAPE WORK

100% CONSTRUCTION DOCUMENTS

Grant Number: RP22-0118

Issued: July 2023

SET: 2 REVISED 7/16/2024

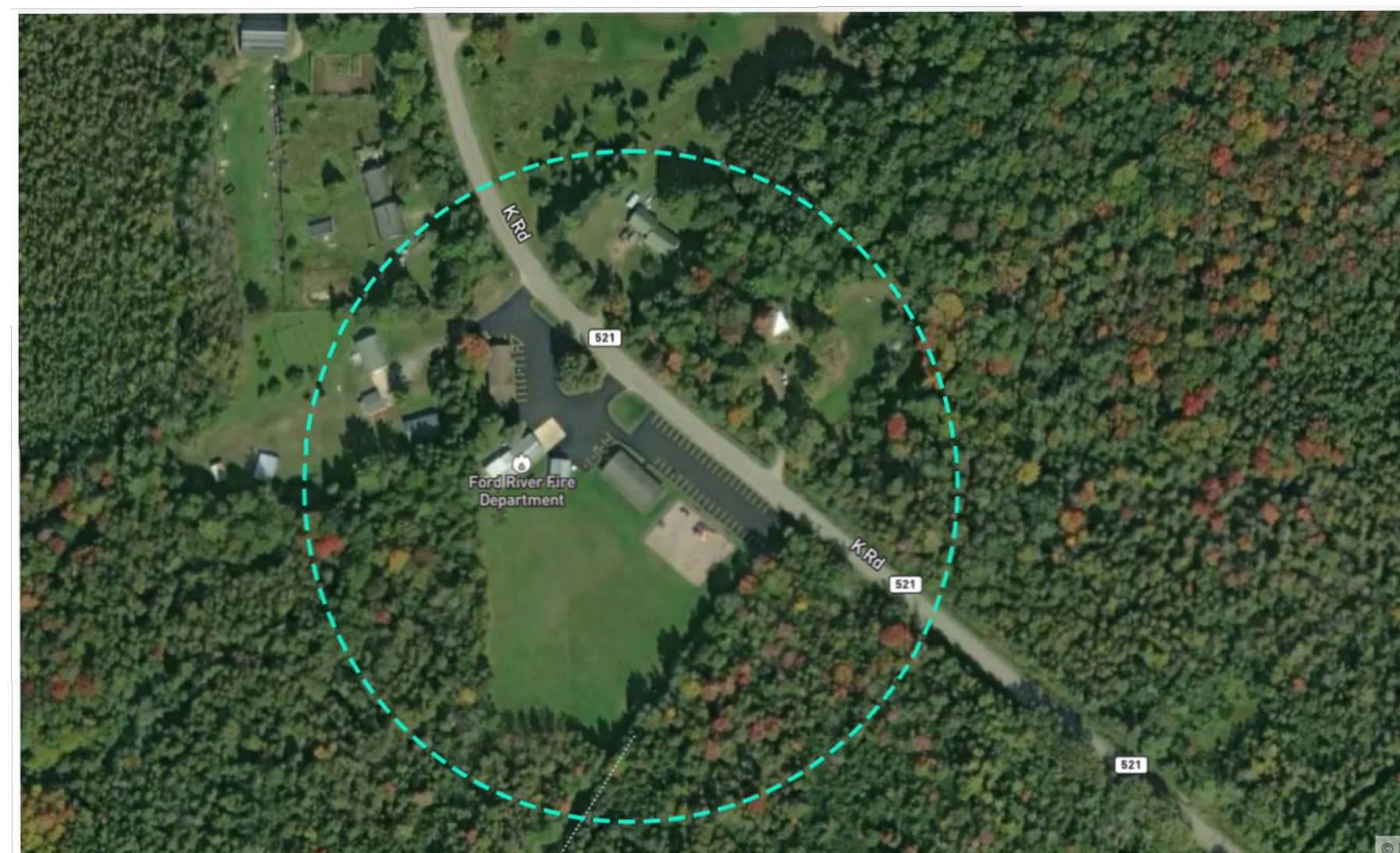
SHEET INDEX

Sheet Number	Sheet Title	Revision No.
L0-00	Cover Sheet	1/2/2 1/2/2 1/2/2 1/2/2
L0-01	Site Reference Plan	5/2
L0-04	General Information Sheet	5/2
L1-01	Existing Conditions, Demolition and Protection	5/2
L3-01	Site Materials Plan	5/2
L4-01	Site Layout Plan	5/2
L5-01	Grading and Drainage Plan	5/2
L7-01	Composite Sections	5/2
L7-02	Site Details: Edging and Surfacing	5/2



By Others

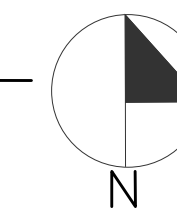
*Survey provided by DAVIS WANIC SURVEYORS
NOTE:
As part of the project the Contractor shall maintain a complete set of all up-to-date Drawings and Technical Specifications available for review at the construction site by the Owner's Representatives. In addition the Contractor shall ensure all installations and coordination by all trades occur in accordance with the above revisions.



PROJECT LOCATION

PROJECT LOCATION MAP

Ford River Township Hall
3839 K Road
Bark River, MI 49807



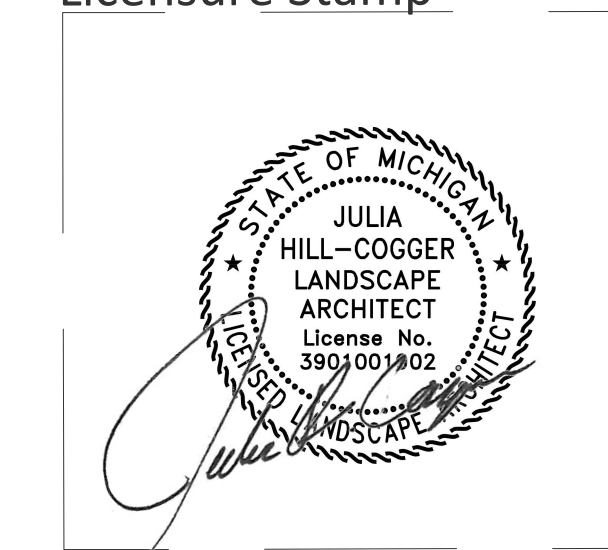
MDNR APPROVAL AUTHORIZATION

OWNER/GRANTEE:
Ford River Township
3839 K Road
Bark River, MI 49807
Authorized Representative
Steve Nelson | 906.399.6411
supervisor@fordriver.org

LANDSCAPE ARCHITECT:
Julia Cogger
DNR Marquette CSC
1990 Hwy-41
Marquette, MI 49855
517.420.9749
coggerhillj@michigan.gov



Landscape Architect
Licensure Stamp



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GENERAL INFORMATION SHEET

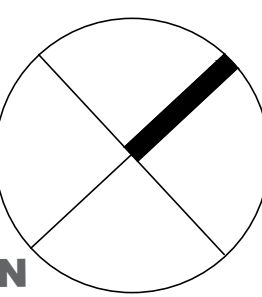
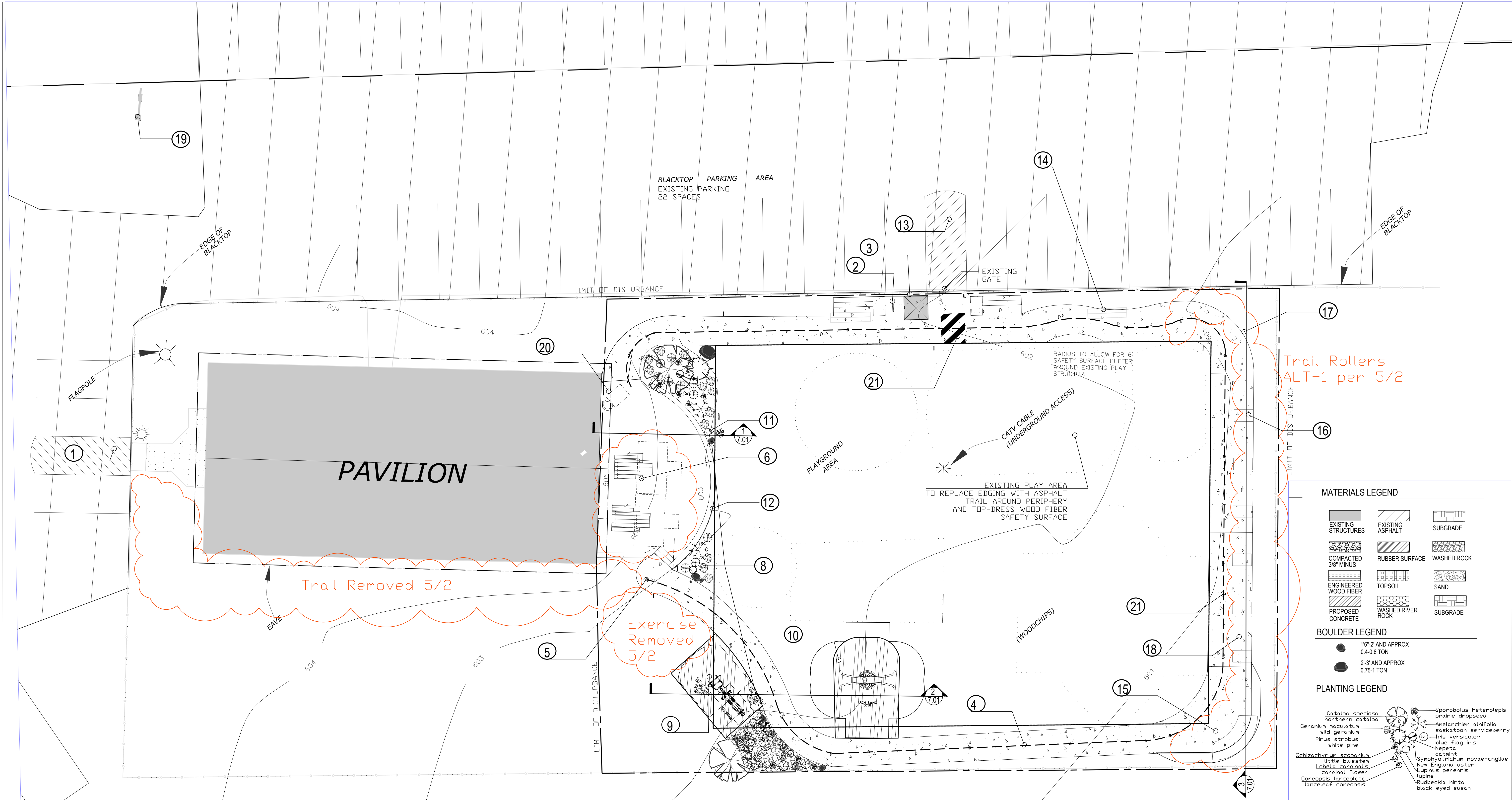
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DRAWN BY: jc

CHECK BY: jc

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L0-00



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SITE
REFERENCE
PLAN

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TITLE
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RENOVATION

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BY: jc

CHECK
BY: jc

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L0-01

MATERIALS LEGEND

BOULDER LEGEND

	1'-2" AND APPROX 0.4-0.6 TON
	2'-3" AND APPROX 0.75-1 TON

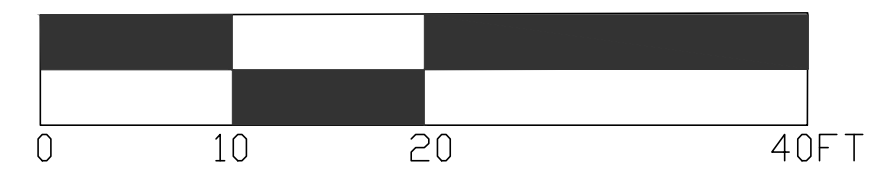
PLANTING LEGEND

	Catalpa speciosa		Sporobolus heterolepis
	northern catalpa		prairie dropseed
	Geranium maculatum		Anemone alifolia
	wild geranium		saskatoon serviceberry
	Pinus strobus		Iris versicolor
	white pine		blue flag iris
	Schizachyrium scoparium		Nepeta
	little bluestem		Symplocrichum novae-angliae
	Lobelia cardinalis		New England aster
	cardinal flower		Lupinus perennis
	Coreopsis lanceolata		lupine
	lanceleaf coreopsis		Rudbeckia hirta
			black eyed susan

SITE REFERENCE NOTES

- ① EXISTING ADA PARKING SPACES
- ② QUANTITY 1 PROPOSED BIKE LOOPS (By Owner)
- ③ EXISTING ACCESSIBLE PORT-A-JOHN
- ④ PROPOSED 6' WIDE ACCESSIBLE TRAIL; LENGTH 350'
- ⑤ PROPOSED SOLAR TRAIL LIGHTS EMBEDDED IN TRAIL SURFACE (OSCI*: QUANTITY 17)
- ⑥ PROPOSED ACCESSIBLE PICNIC TABLES (By Owner: QUANTITY 2)
- ⑦ PROPOSED SUN SHADE (By Owner) + PICNIC-AREA REMOVED FROM SCOPE 5/2
- ⑧ PROPOSED NATIVE RAINGARDEN AND PLANTING AREAS (By Owner)
- ⑨ PROPOSED EXERCISE EQUIPMENT ON RUBBER SAFETY SURFACE OR SYNTHETIC TURF (NO PLAYGROUND PAD NEEDED 215SF) BY OTHERS
- ⑩ PROPOSED NEW ACCESSIBLE SWING FEATURE ON RUBBER SAFETY SURFACE OR SYNTHETIC TURF (FALL PAD NEEDED 300sf) BY OTHERS
- ⑪ PROPOSED HARMONY BELLS MUSIC PLAY AND INTERPRETIVE SIGN (By Owner)
- ⑫ PROPOSED 12" TO 18" HIGH BY 60' LONG CONCRETE SEAT WALL
- ⑬ PROPOSED QUANTITY 2 ADA PARKING SPACES ONE OF WHICH IS VAN ACCESSIBLE (By Owner)

- ⑭ EXISTING BENCHES (2) TO BE MOUNTED ALONG PROPOSED WITH COMPANION SEATING SPACE (By Owner)
 - ⑮ PROPOSED 24" TABLE TOP; ALT-1 5/2
 - ⑯ PROPOSED 14" ROLLERS; ALT-1 5/2
 - ⑰ PROPOSED 30" BERM; ALT-1 5/2
 - ⑱ PROPOSED 9'6" WIDE TRAIL WITH 3'6" WIDE PUMP TRACK FEATURES ALT-1 5/2
 - ⑲ PROPOSED ENTRANCE SIGN (By Owner)
 - ⑳ PROPOSED GARBAGE/RECYCLE BIN (By Owner)
 - ㉑ MINI STREET STRIPING AND CROSSWALKS ALT-3 5/2
- *OSCI: OWNER SUPPLIED CONTRACTOR INSTALLED



GENERAL NOTES

1. THESE NOTES ARE TO BE USED AS A GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO WRITTEN SPECIFICATIONS, APPROVED ADDENDUMS, AND CHANGE ORDERS ASSOCIATED WITH THIS DOCUMENT SET.
2. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS AND PER LOCAL OR STATE GOVERNING CODES AND/OR ORDINANCES, WHICHEVER IS APPLICABLE.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL REVIEW THE PROJECT WITH THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
4. THE CONTRACTOR SHALL PROVIDE MATERIALS OR EQUIPMENT AND PERFORM REQUIRED INCIDENTAL PROCEDURES THAT MAY BE NECESSARY TO COMPLETE THE PROJECT TO SATISFACTORY CONDITION AS DIRECTED BY THE DESIGN INTENT OF THE DOCUMENT SET AND THEREFORE SHALL MEET MINIMUM CONSTRUCTION REQUIREMENTS AND INDUSTRY STANDARDS NOTWITHSTANDING MENTION OR REFERENCE IN THIS DOCUMENT SET.
5. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS.
6. DAVIS WANIC SURVEYORS PREPARED THE EXISTING SITE SURVEY FOR THE DRAWING. IT HAS BEEN REFORMATTED FOR USE IN AND PREPARATION OF THIS DRAWING SET. CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS AND CONTEXT PRIOR TO CONSTRUCTION. ALL DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR RESOLUTION IMMEDIATELY. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ASSOCIATED WITH THE PREPARATION OR DOCUMENTATION OF THE SURVEY.
7. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING HORIZONTAL AND VERTICAL CONTROL POINTS AND BENCHMARKS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING CONSTRUCTION STAKING AND FIELD LAYOUT. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS OF CONSTRUCTION MINIMIZING DISTURBANCE TO THE SITE. QUANTITIES SHOWN IN THIS DOCUMENT SET ARE ESTIMATES ONLY AND ARE THEREFORE NOT GUARANTEED; THE CONTRACTOR SHALL SUPPLY ALL MATERIALS, LABOR AND EQUIPMENT IN ORDER TO COMPLETE THE PROJECT AS SPECIFIED IN THESE DOCUMENTS.
8. CONTRACTOR IS RESPONSIBLE FOR COMPLETING ANY DEWATERING NECESSARY TO COMPLETE THE WORK SPECIFIED.
9. THESE DRAWINGS INDICATE A LIMIT OF DISTURBANCE HOWEVER THE FINAL LIMITS OF DISTURBANCE SHALL BE DETERMINED IN THE FIELD. SHALL LIMITS OF DISTURBANCE EXCEED WHAT IS DEFINED THE DRAWINGS, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION.
10. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER OR EQUAL TO THE CONDITION PRIOR TO COMMENCEMENT OF CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
11. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONARY MEASURES TO PROTECT EXISTING IMPROVEMENTS AND THE PUBLIC FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS.
12. THE CONTRACTOR SHALL PROPERLY COORDINATE WORK TO BE PERFORMED WITH OTHER CONTRACTOR'S WORK PRIOR TO INSTALLATION.
13. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGES IMPOSED, UNINTENTIONALLY OR ACCIDENTALLY TO EXISTING UTILITIES, STRUCTURES, WALLS, OR OTHER AMENITIES, DUE TO THE ACTION OF THE CONTRACTOR, CONTRACTOR'S EMPLOYEES AND/OR CONTRACTOR'S SUBCONTRACTORS, DAMAGE INCURRED DURING THE CONTRACTOR'S OPERATION SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE..

SITE DEMOLITION NOTES

1. Remove items shown on the Drawings to be removed to the full extent of their construction unless designated to remain.
2. Verify the extent and location of items to be removed (or remain) in the field prior to commencement of construction.
3. Items not shown (below grade) and encountered during construction shall be brought to the attention of the Landscape Architect.
4. Contact the local underground service update for utility location and identification prior to demolition.
5. The location of existing utilities shown on the Drawings may vary in relation to actual existing conditions. Additional utilities not shown on the drawings might also exist. Verify in the field the location of any existing utilities and inform the Landscape Architect of any discrepancies prior to starting work.

SITE LAYOUT NOTES

1. Layout and verify dimensions in the field prior to construction. Bring any discrepancies to the attention of the Landscape Architect for clarification.
2. For dimensions of the proposed playground and exercise equipment refer to the supplier's shop drawings.
3. Written dimensions take precedence over scale. Do not scale drawings.
4. Measurements are to face of wall or fixed site improvement. Dimensions to centerlines are indicated.
5. Install intersecting elements at 90 degree angles to each other unless otherwise noted.

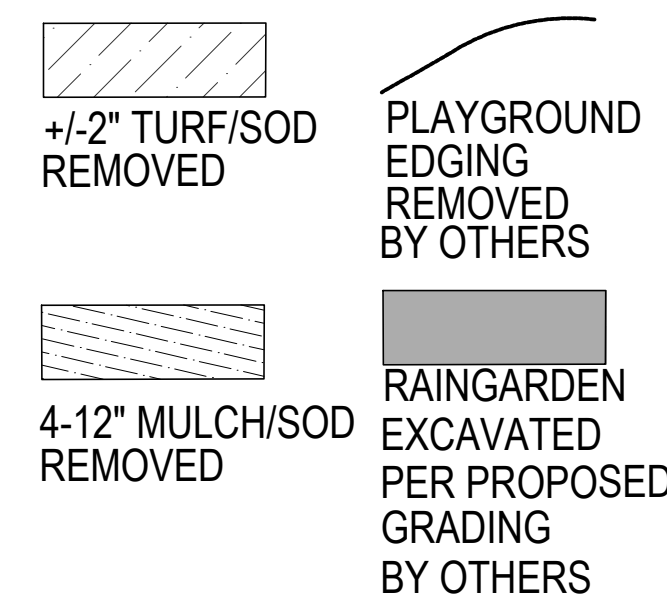
SITE GRADING AND DRAINAGE NOTES

1. Contractor shall grade to maintain positive drainage away from all structures. Contractor shall keep drainage ways and natural flow channels free from obstructions that may impair flow.
2. Existing underground utilities are shown per available records. Verify the actual location and elevation in the field prior to beginning construction. Protect existing utilities and be responsible for damage to utilities encountered during construction.
3. Contractor shall strip and stockpile topsoil in a designated area on site for use in finished grading.
4. Finish grading shall be by the direction of the Landscape Architect or Owner's Authorized Representative. All grading shall be approved prior to planting.

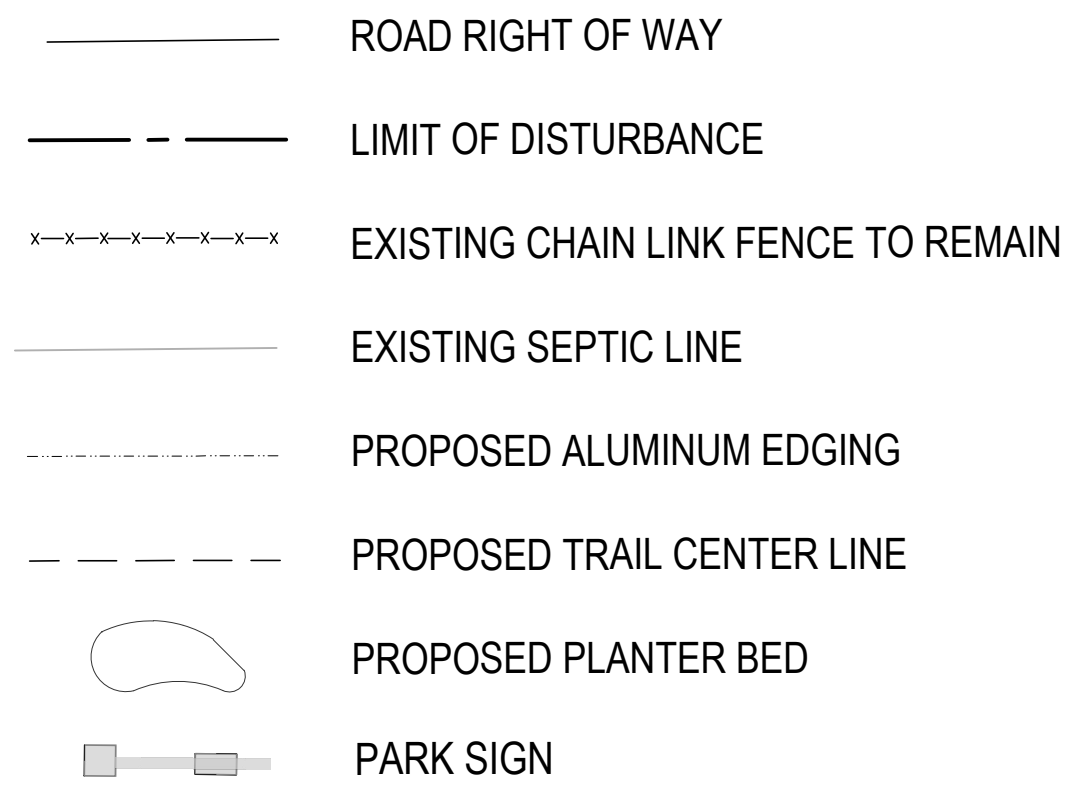
SITE SOILS NOTES

1. Contractor shall verify with Authorized Representative where to stockpile stripped topsoil and planting soil products. Contractor shall ensure area is protected and soil is adequately stored to prevent erosion.
2. Contractor shall ensure subgrade is scarified prior to installing planting soil.
3. Coordinate placement of planting materials with other work. Planting should occur after all hardscape elements are in place.

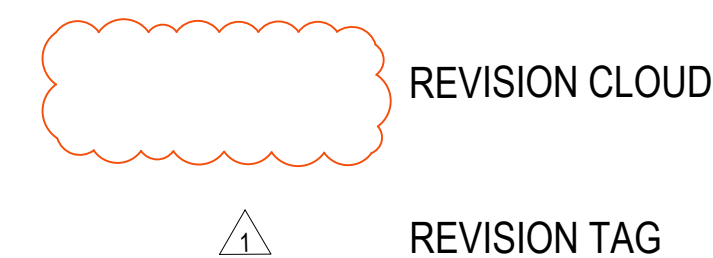
DEMOLITION LEGEND



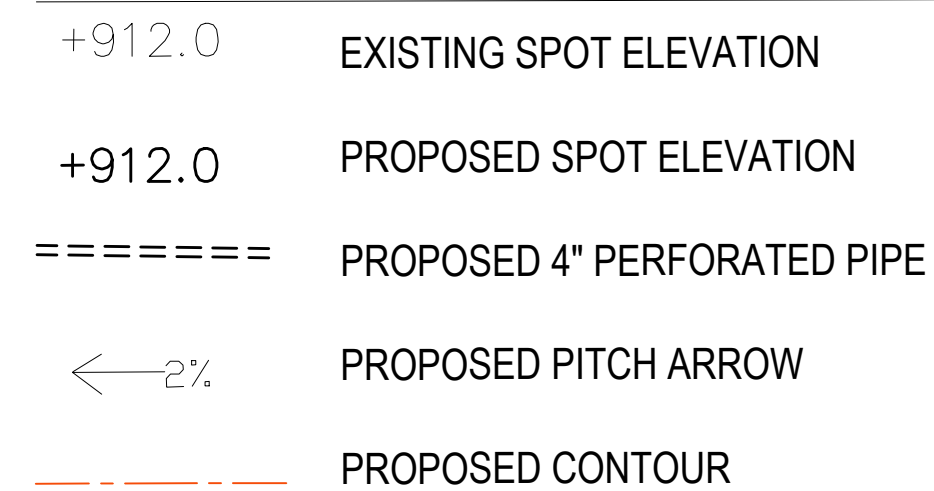
LINETYPE LEGEND



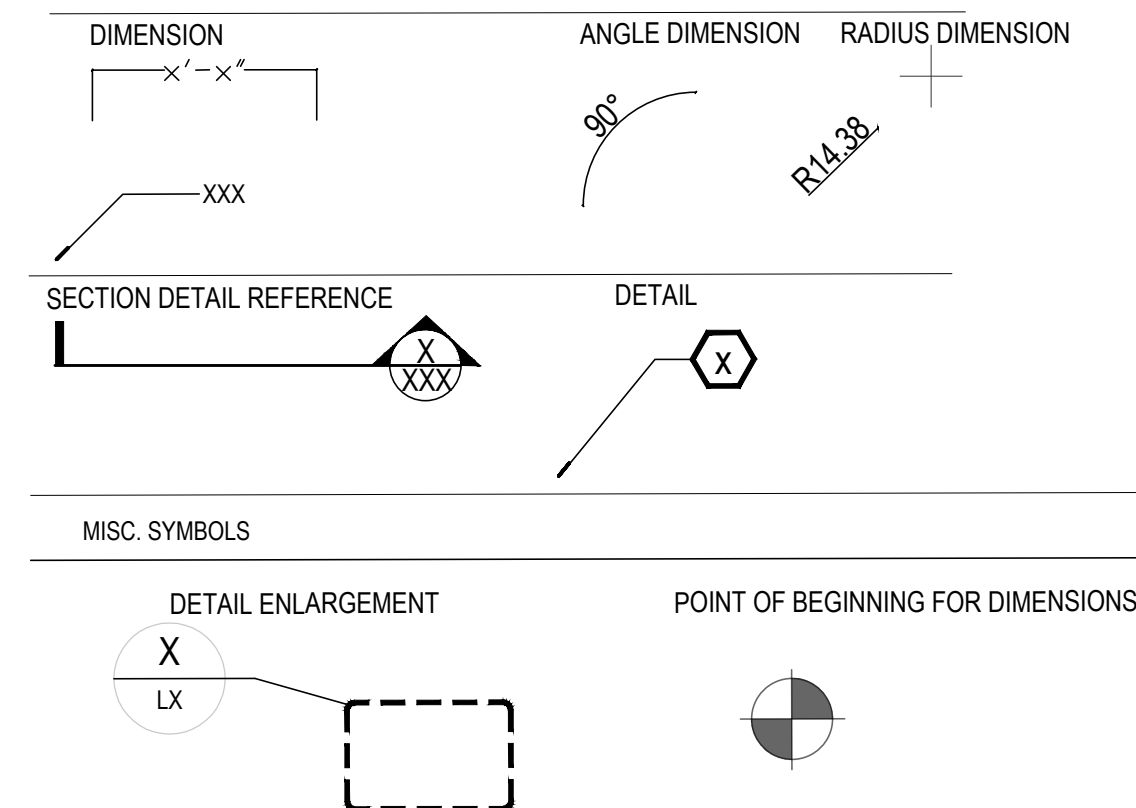
REVISION LEGEND



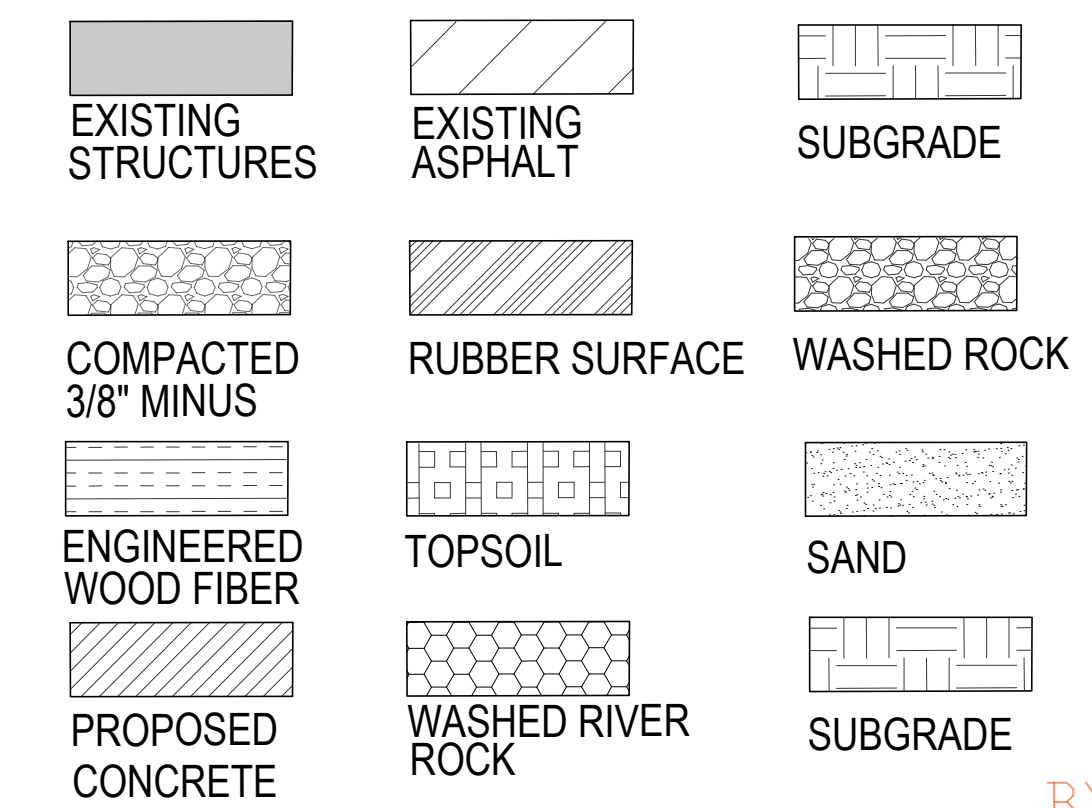
GRADING LEGEND



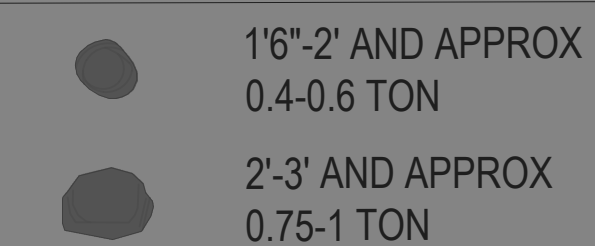
SITE DETAIL KEYNOTES



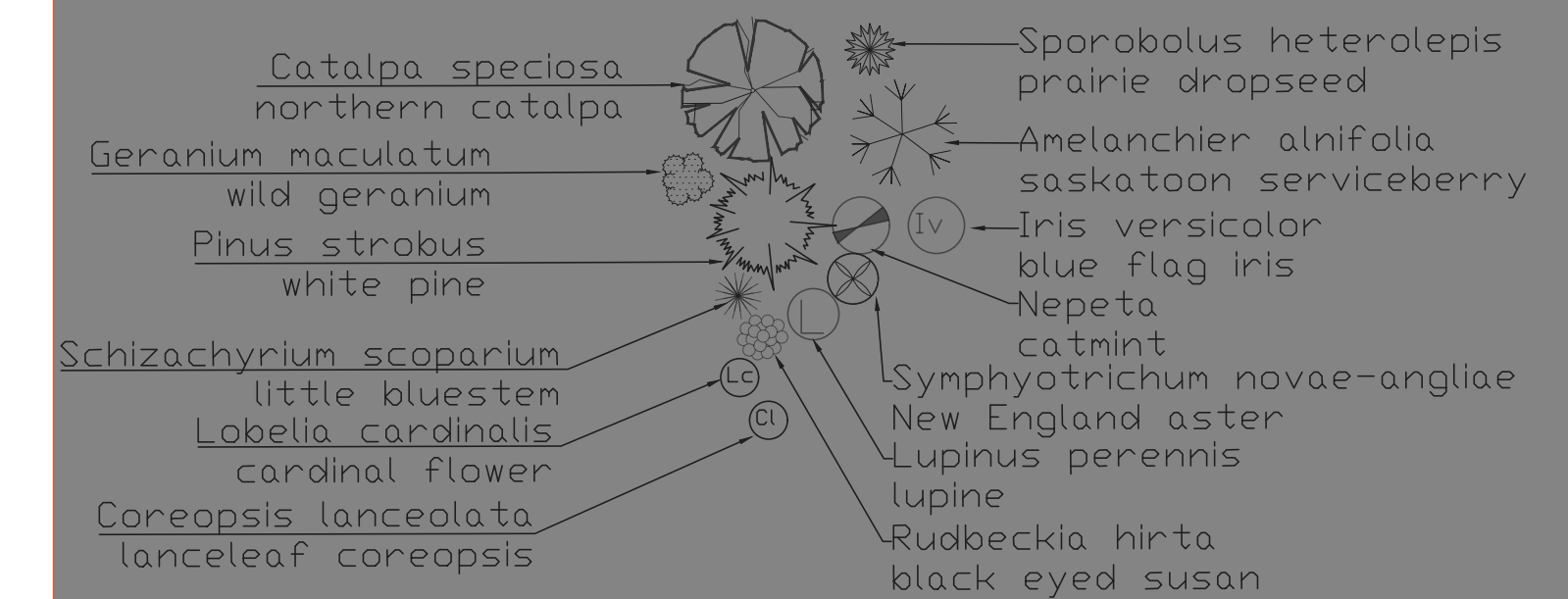
MATERIALS LEGEND



BOULDER LEGEND



PLANTING LEGEND



PLANTING LIST

Abbrv	Qty	Botanical Name	Common Name	Spacing	Size	Notes
Deciduous Trees						
	2	<i>Catalpa speciosa</i>	northern catalpa	As Shown	1.5" cal	
Evergreen Trees						
	1	<i>Pinus strobus</i>	eastern white pine	As Shown	5' height	B+B
Shrubs						
	3	<i>Amelanchier alnifolia</i>	saskatoon serviceberry	As Shown	5 gal	multistem
Perennials/Groundcover						
Cl	2	<i>Coreopsis lanceolata</i>	lancheleaf coreopsis	As Shown	1 gal	
	13	<i>Geranium maculatum</i>	wild geranium	As Shown	1 gal	
lv	3	<i>Iris versicolor</i>	blue flag iris	As Shown	1 gal	
Lc	3	<i>Lobelia cardinalis</i>	cardinal flower	As Shown	1 gal	
L	6	<i>Lupinus perennis</i>	sundial lupine	As Shown	1 gal	
	1	<i>Nepeta racemosa</i>	catmint	As Shown	1 gal	
	3	<i>Rudbeckia hirta</i>	black eyed susan	As Shown	1 gal	
	9	<i>Schizachyrium scoparium</i>	little bluestem	As Shown	1 gal	
	5	<i>Sporobolus heterolepis</i>	prairie dropseed	As Shown	1 gal	
	12	<i>Symphyotrichum nove-angliae</i>	New England aster	As Shown	1 gal	

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SHEET

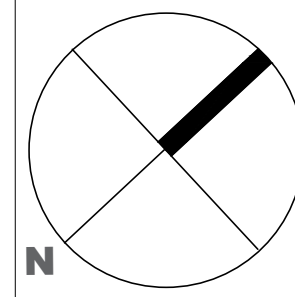
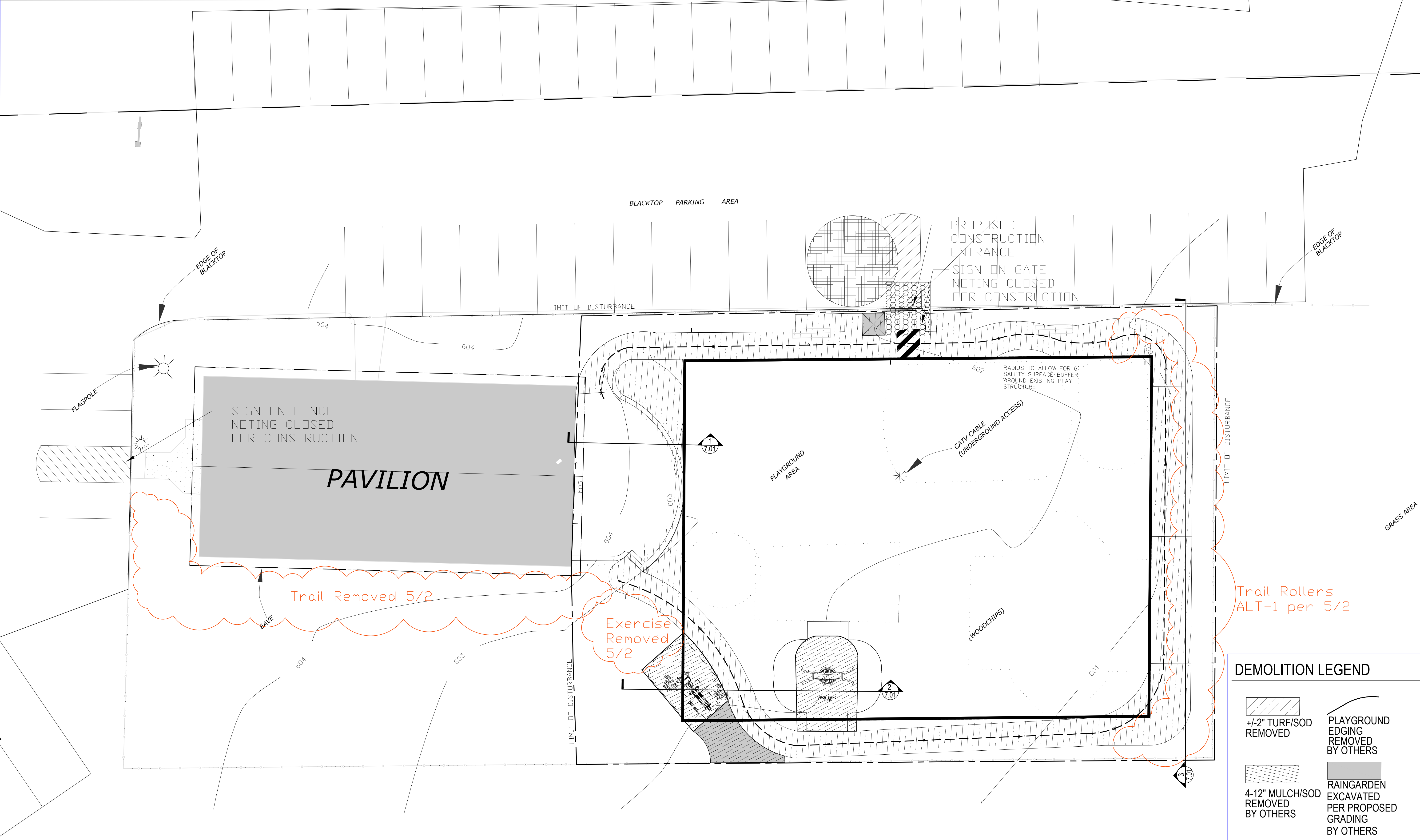
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CHECK BY: jc

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L0-04



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EXISTING
CONDITIONS,
DEMOLITION,
AND
PROTECTION

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BY: jc

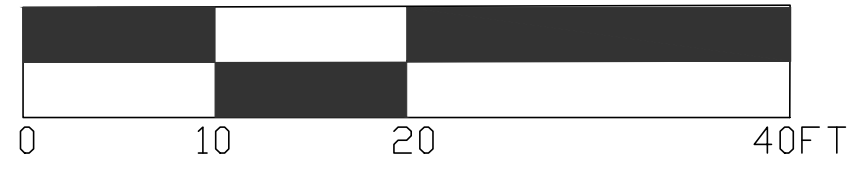
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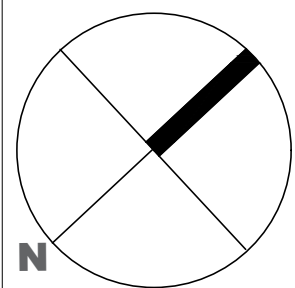
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L1-01

DEMOLITION LEGEND

	+/-2" TURF/SOD REMOVED		PLAYGROUND EDGING REMOVED BY OTHERS
	4-12" MULCH/SOD REMOVED BY OTHERS		RAINGARDEN EXCAVATED PER PROPOSED GRADING BY OTHERS





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SITE MATERIALS
PLAN

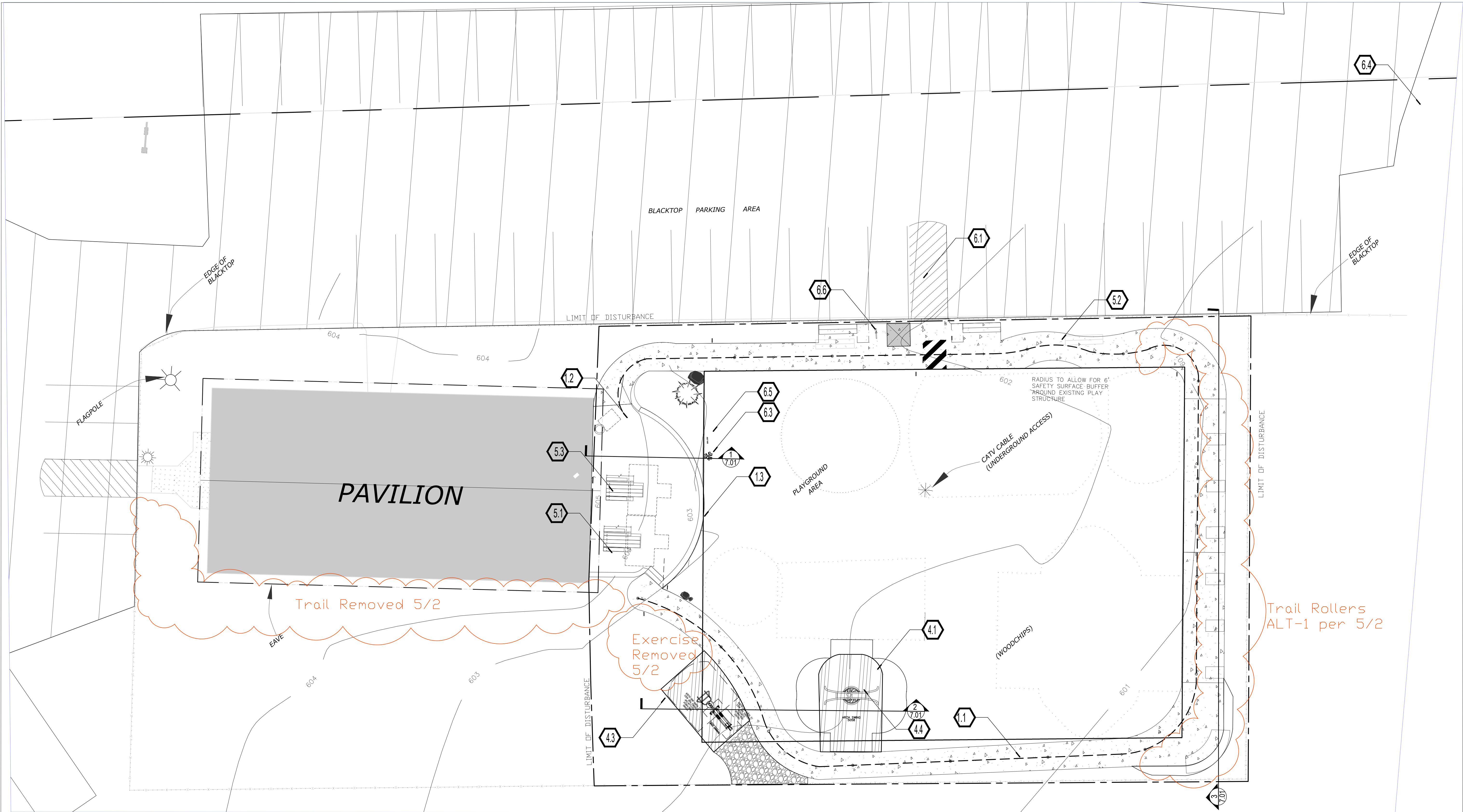
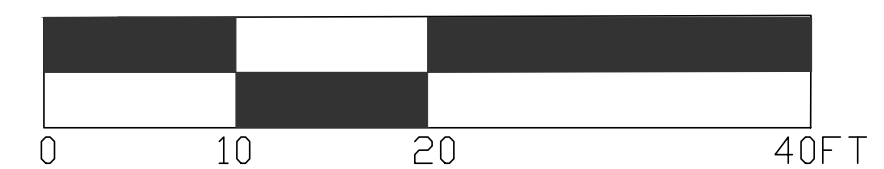
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L3-01



DETAIL KEYNOTES

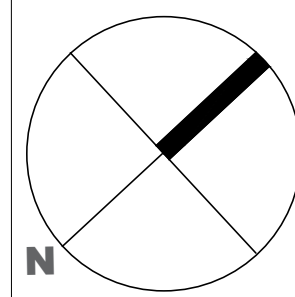
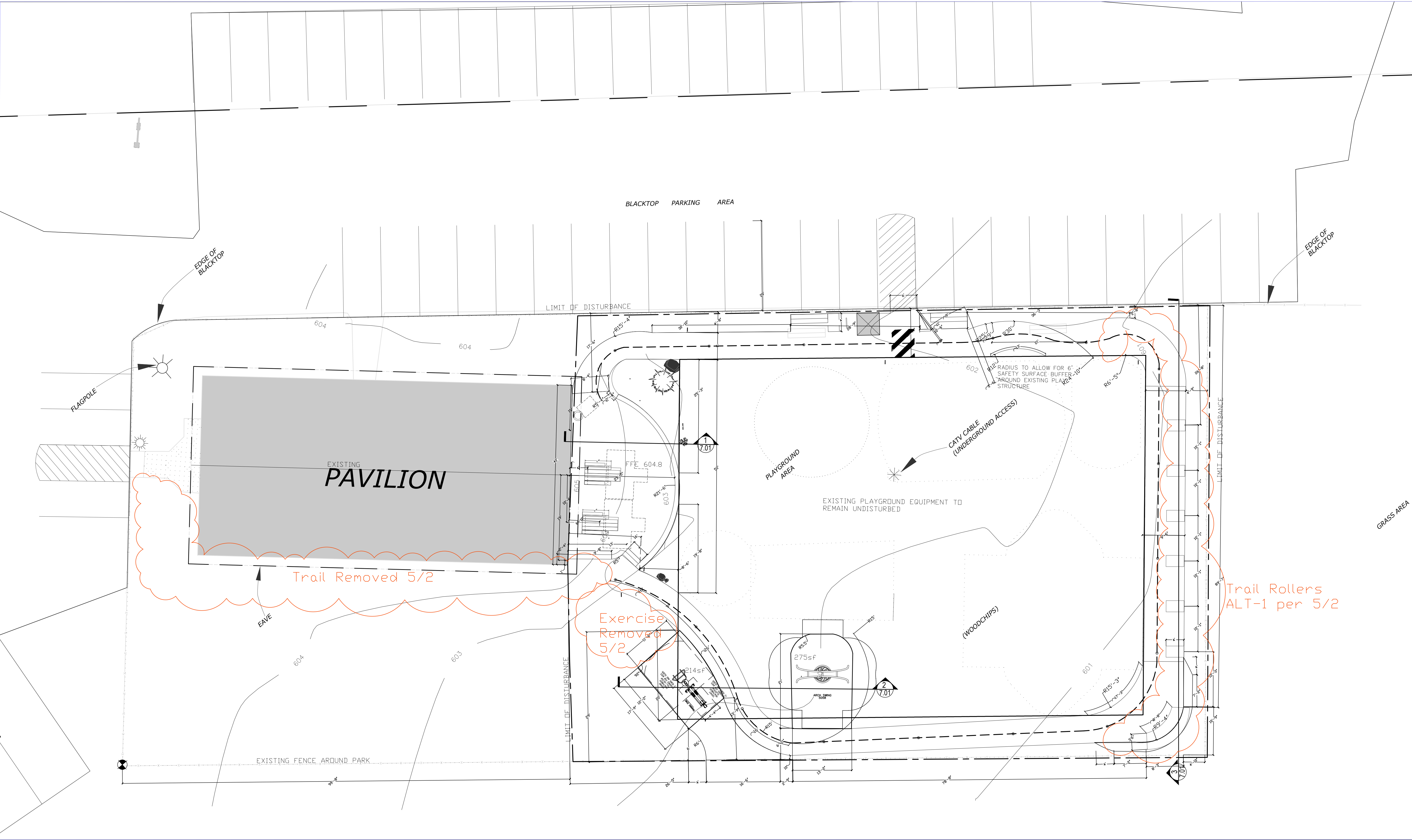
- 1 PAVEMENTS AND EDGING**
- 1.1 Asphalt Surfacing
 - 1.2 Aggregate Surface
 - 1.3 Trail Edge at Play Surface
 - 1.4 Concrete Block Wall & Drain
 - 1.5 Solar Light Installation

DETAIL / SHEET	SPEC SECTION
1/L7.02	321216
2/L7.02	321500
3/L7.02	
4/L7.02	323223
5/L7.02	

- 2 DRAINAGE By Others**
- 2.1 Subdrain Below Safety Surface 4/L7.02
- 3 PLANTING AND LANDSCAPE**
- 3.1 Landscape Boulder 1/L11.01
 - 3.2 Shrub Planting 2/L11.01
 - 3.3 Evergreen Planting 3/L11.01
 - 3.4 Deciduous Tree Planting 4/L11.01

- 4 PLAY AREA COMPONENTS By Others**
- 4.1 Play Surface - Poured-in-Place 1/L7.01 321820
 - 4.2 Exercise 1 1/L7.03
 - 4.3 Exercise 2-3 2/L7.03
 - 4.4 Multi-Person Accessible Swing 3/L7.03
- 5 SITE SEATING By Others**
- 5.1 ACCESSIBLE PICNIC TABLE - A 1/L7.05
 - 5.2 BENCH WITH ADJACENT PAD 2/L7.05
 - 5.3 ACCESSIBLE PICNIC TABLE - B 3/L7.06

- 6 ADDITIONAL COMPONENTS By Others**
- 6.1 ADA PARKING 1/L7.04
 - 6.2 SHADE SAIL 2/L7.04
 - 6.3 INTERPRETIVE SIGN 1/L7.07
 - 6.4 ENTRANCE SIGN 2/L7.07
 - 6.5 HARMONY BELLS 3/L7.07
 - 6.6 BIKE RACK 4/L7.07



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SITE LAYOUT
PLAN

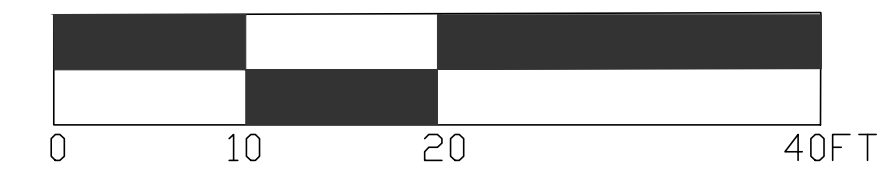
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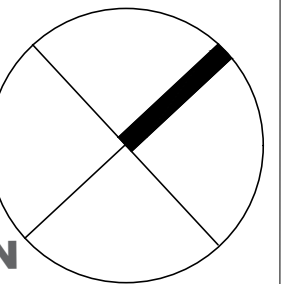
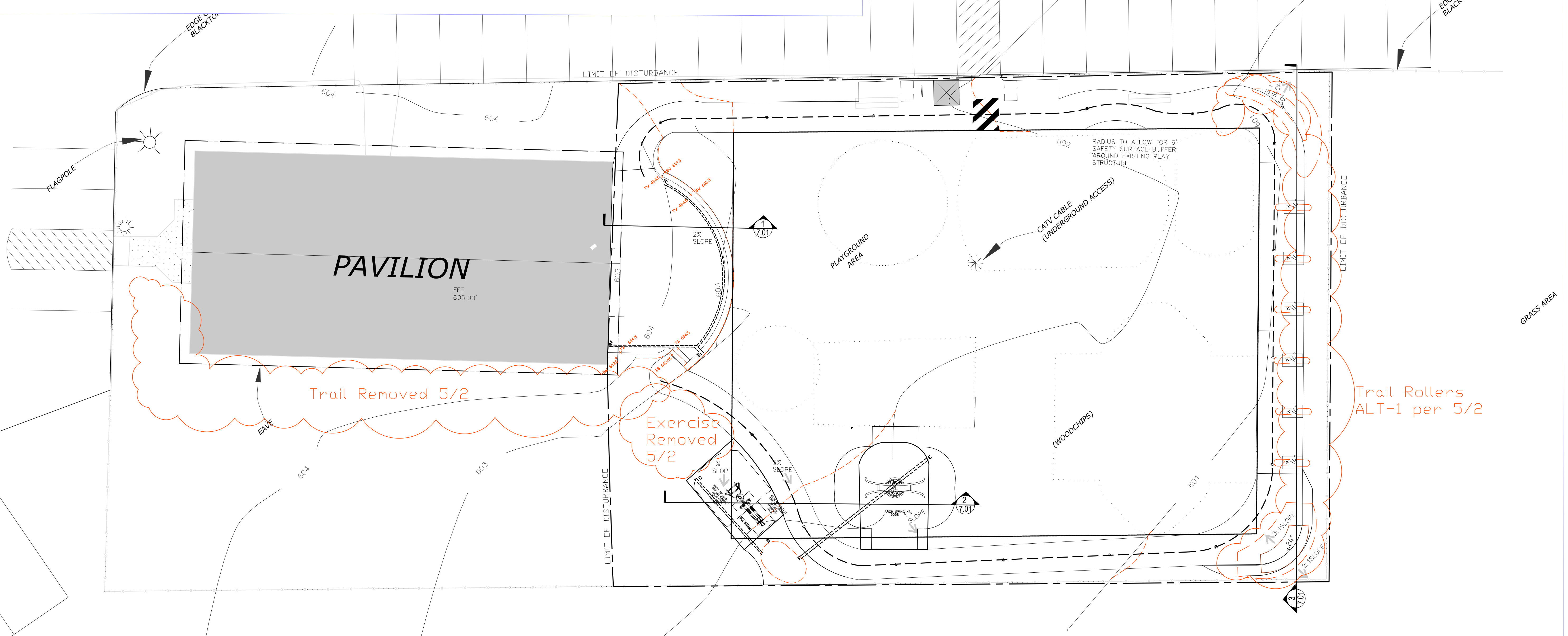
L4-01



DRAIN TILE LENGTHS AND SLOPES

FROM	TO	LENGTH (FT)	ELEVATION	Pipe Type
A	B	40	604.0'-603.2'	4" perforated in sock
A ¹	B	16	603.8'-603.2'	4" perforated in sock
C	D	20	603.2'-601.0'	4" perforated in sock
E	F	32	603.5'-602.7'	4" perforated in sock

BY OTHERS



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GRADING AND
DRAINAGE PLAN

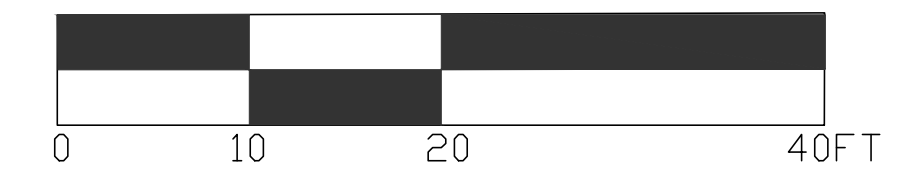
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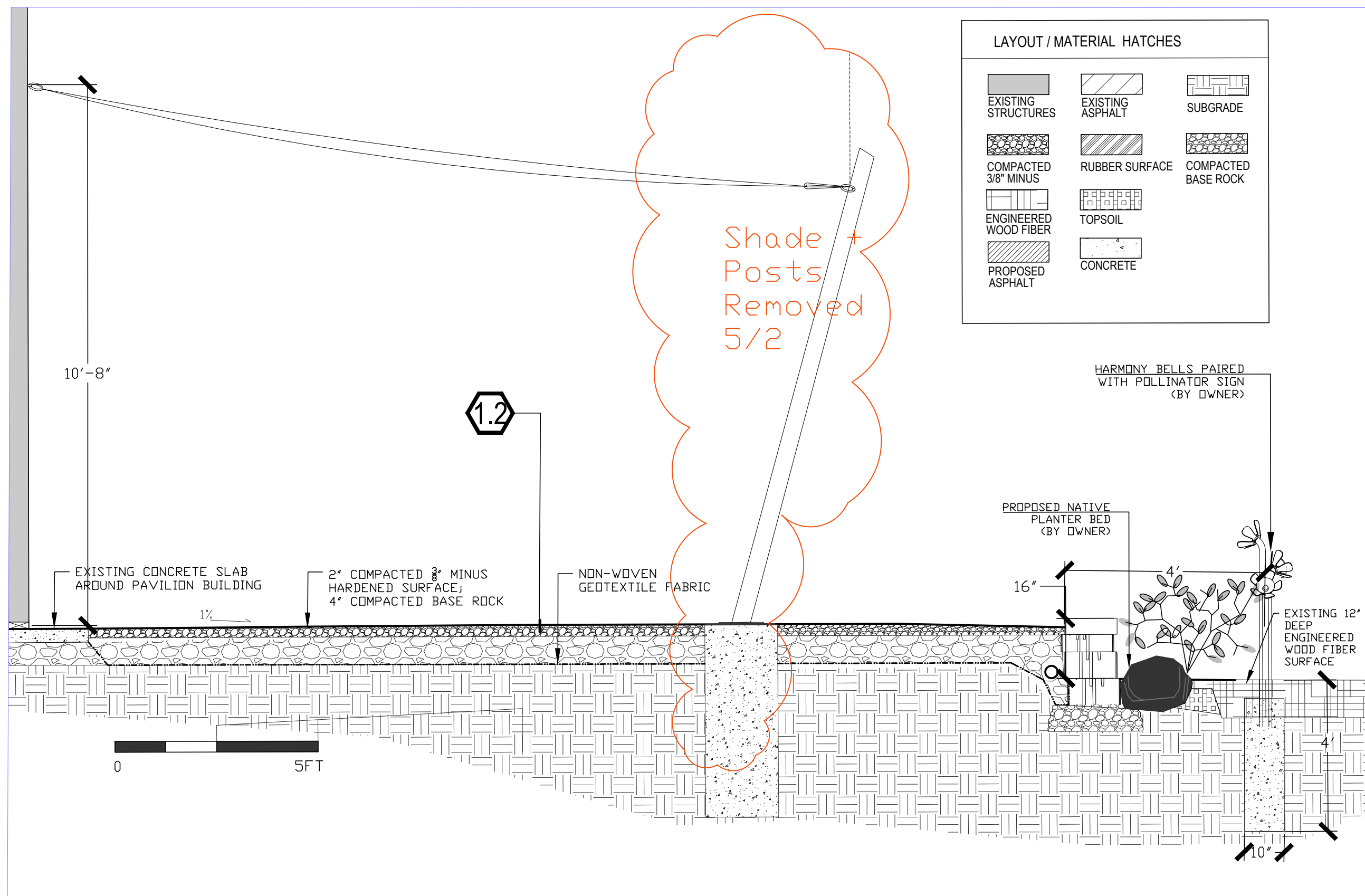
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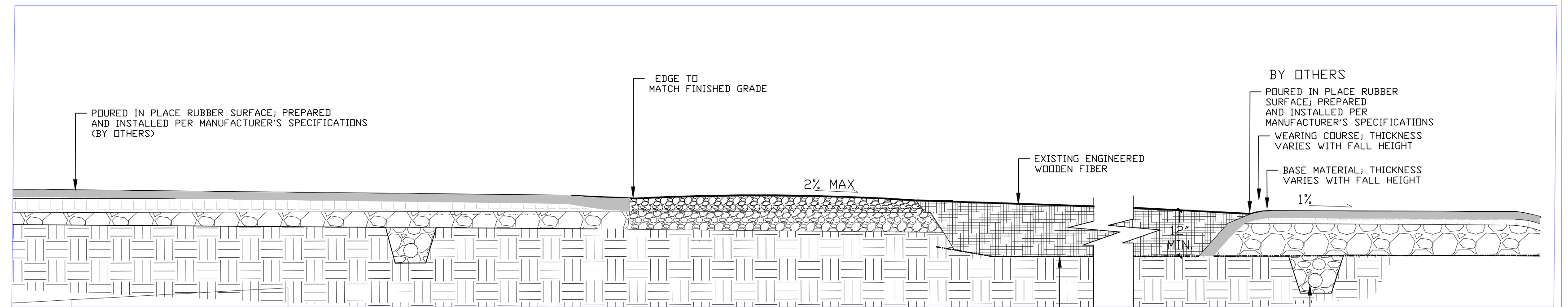
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L5-01





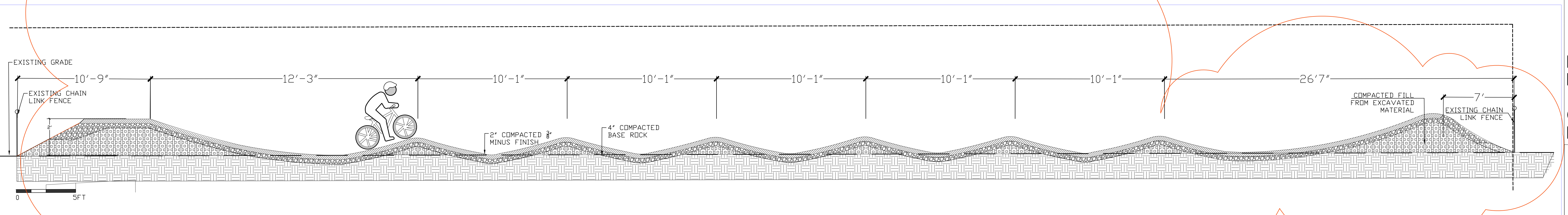
1 SHADE SAIL PICNIC AREA SECTION



2 EXERCISE AREA, TRAIL, EXISTING PLAY SURFACE + PLAY AREA SECTION



Trail Rollers ALT-1 per 5/2



3 PUMP TRACK TRAIL SECTION - ALT-1

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COMPOSITE
SECTIONS

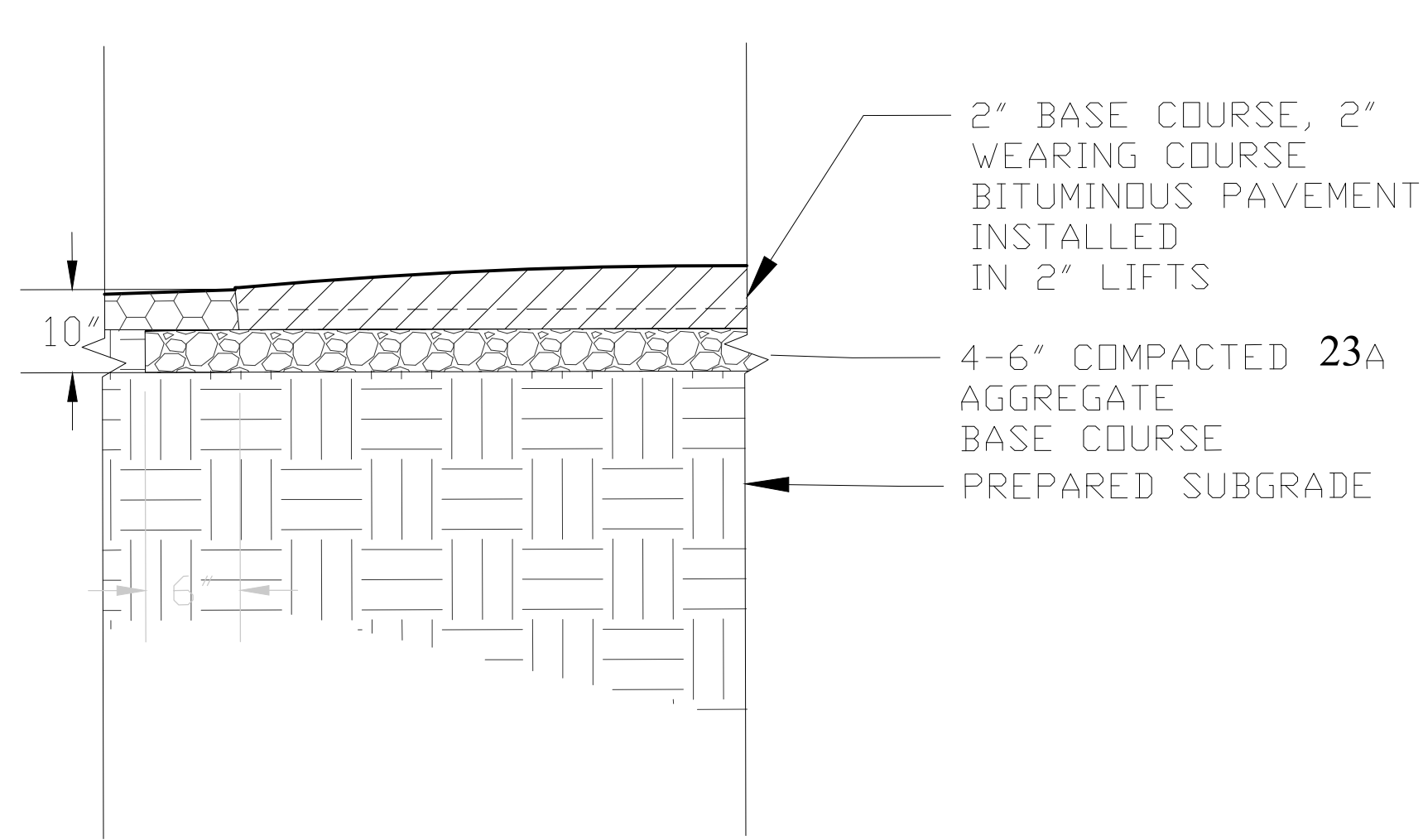
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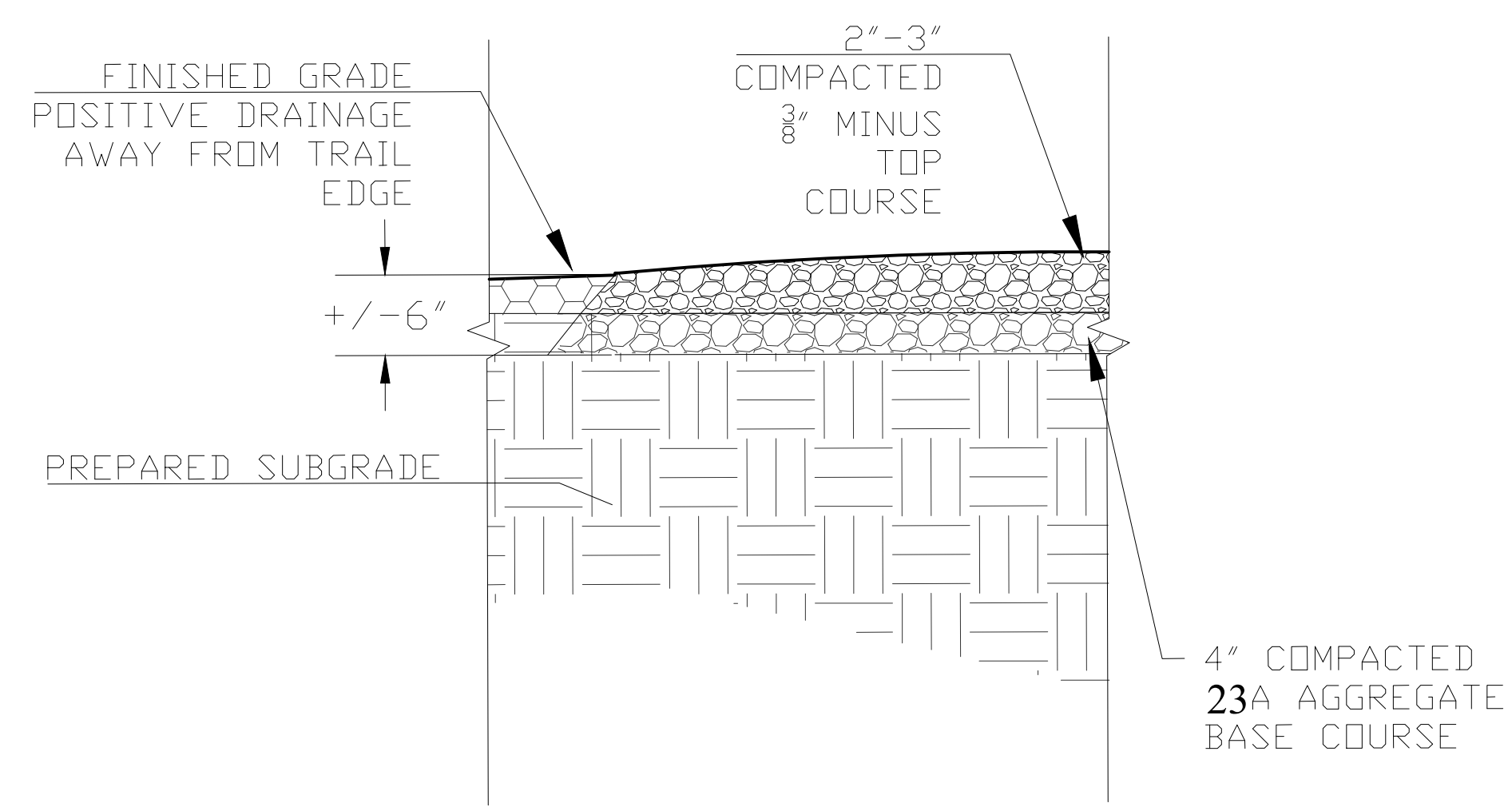
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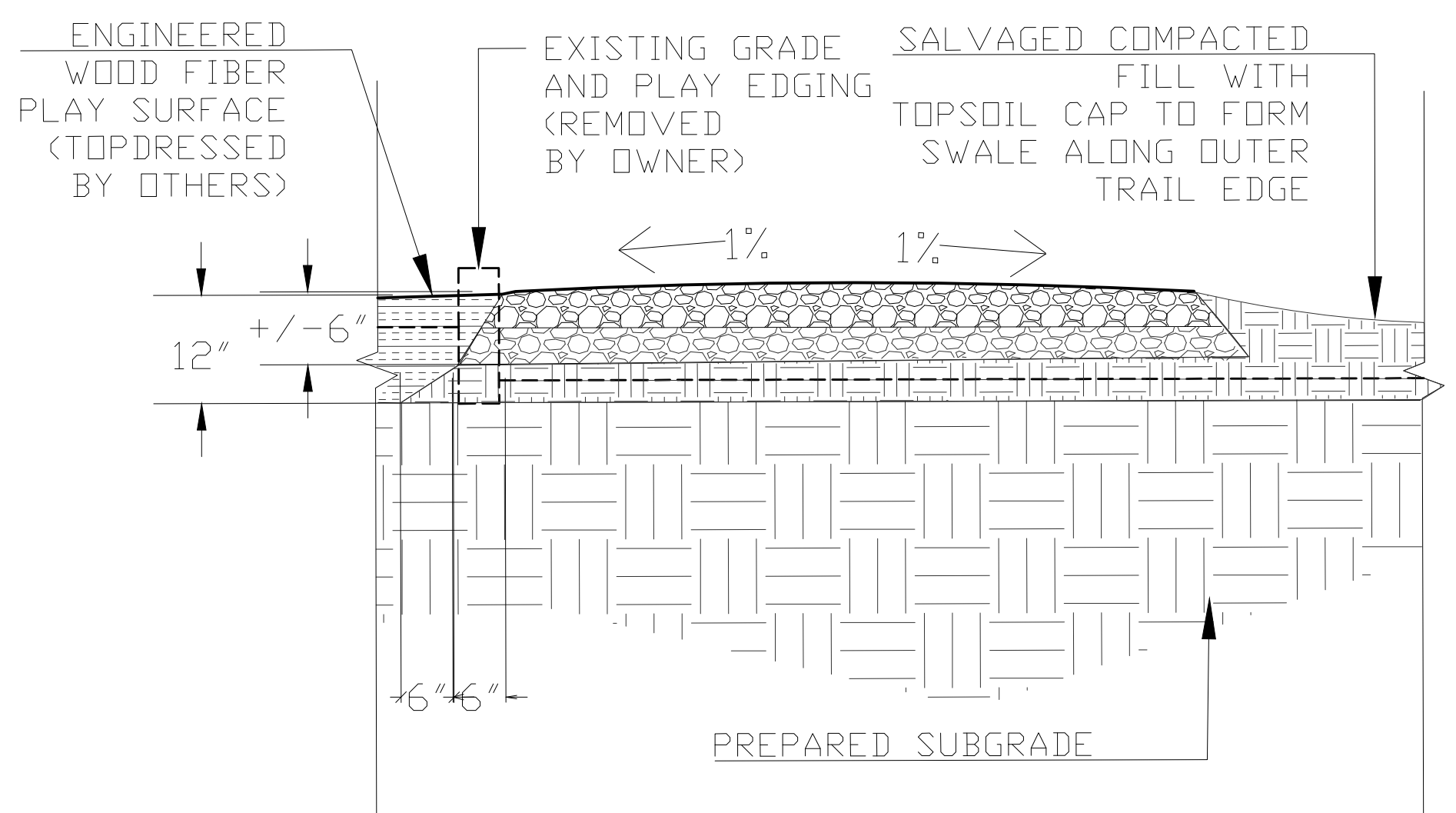
L7-01



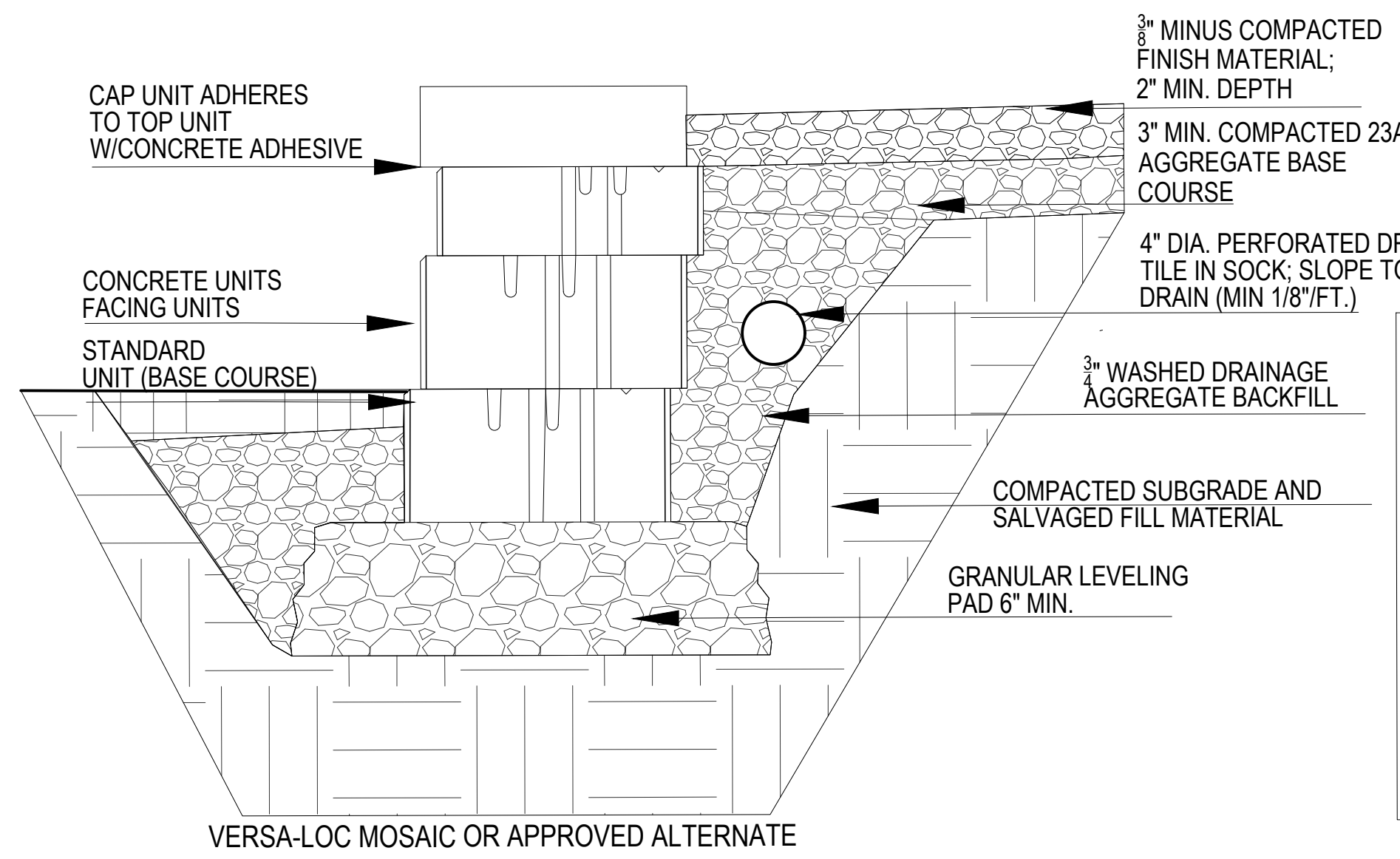
1 ASPHALT SURFACING
SITE DETAILS



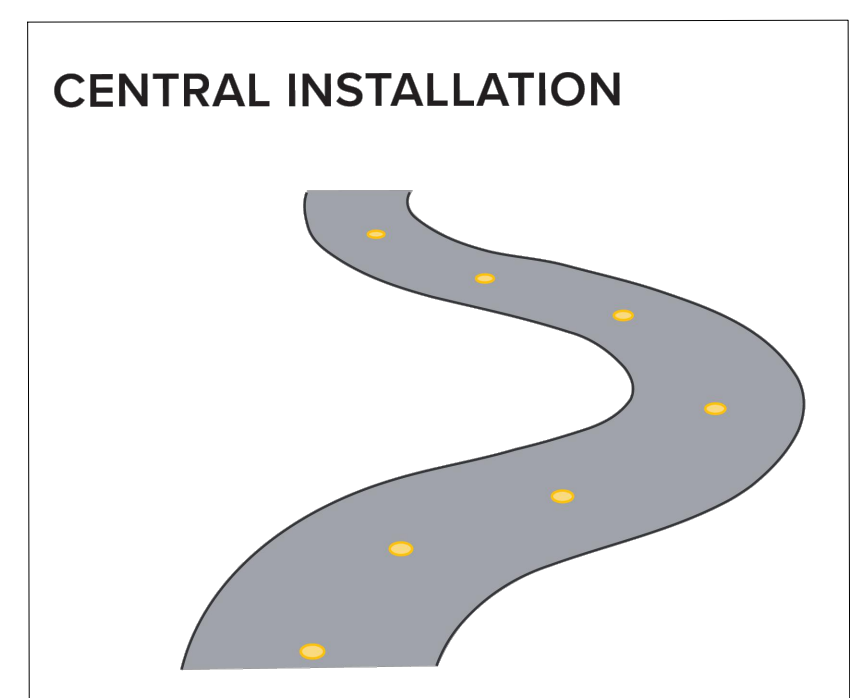
2 COMPACTED AGGREGATE SURFACE
SITE DETAILS



3 TRAIL EDGE AT PLAY SURFACE
SITE DETAILS



4 CONCRETE BLOCK WALL & DRAIN
SITE DETAILS



5 SOLAR LIGHT INSTALLATION (Owner Supplied Contractor Installed)
SITE DETAILS

solareye

GENERAL INSTALLATION GUIDANCE

- Choose from our installation packages or we can advise on the best methods.
- Only simple installation equipment is required.
- On average, with 2 persons, up to 20 units per hour can be installed.

Installed cross section

INSTALLATION STEPS

- Pre- mark and clean:** The site needs to be pre-marked and cleaned (swept) prior to installation.
- Cut hole:** Using a milling cutter at 80mm diameter, the hole is drilled and cleaned using a hand-held leaf blower, then checked for depth and fit.
- Apply adhesive and insert Solareye80:** at 25°C the adhesive will take 30 minutes to cure, meaning minimal disruption.

Contact our team for specific advice on positioning and installation methods for the Solareye80.

CONTACT US 0845 293 8062



*TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS:
<https://www.solar-eye.com/products/solareye80-solar-powered-outdoor-lights/>

CLIENT
Ford River Township

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JULY 2023
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JULY 2024

SITE DETAILS:
EDGING AND SURFACING

PROJ.#
005
TITLE
PARK RENOVATION

DRAWN BY: Jc

CHECK BY: Jc

la

L7-02