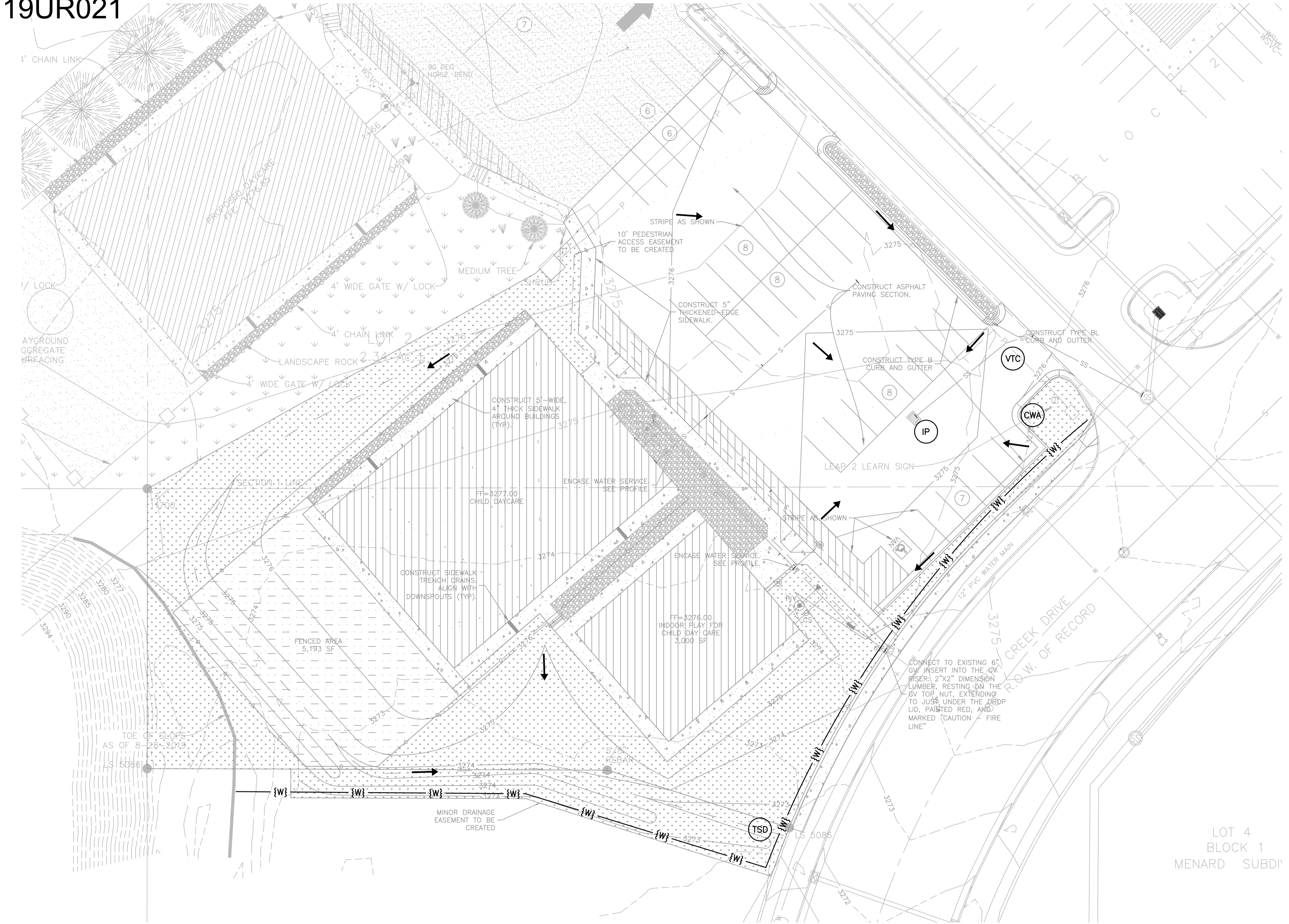


Case No. 19UR021

Legal Description:

Lot 2A and Lot 2B of Block 2 of Menard Subdivision, located in Section 32, T2N, R8E, BHM, Rapid City, Pennington County, South Dakota



LEGEND

- (IP) INLET PROTECTION
- (VTC) VEHICLE TRACKING CONTROL (MAY BE RELOCATED)
- {SW} SEDIMENT CONTROL WATTLE 8" DIA. COMPOST SOCK
- DRAINAGE DIRECTION
- (CWA) CONCRETE WASHOUT AREA (MAY BE RELOCATED)
- (TSD) TEMPORARY SILT DAM

EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

THIS EROSION AND SEDIMENT CONTROL NARRATIVE AND ATTACHED EROSION AND SEDIMENT PLAN, APPEARS TO FULFILL THE TECHNICAL CRITERIA AND THE CRITERIA FOR EROSION CONTROL AND THE REQUIREMENTS OF THE CITY OF RAPID CITY. I UNDERSTAND THAT ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN EROSION PROBLEMS OCCUR OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE LANDOWNER UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR VOIDED.

OWNER/DEVELOPER _____ DATE _____

GENERAL CONTRACTOR (OPTIONAL) _____ DATE _____

MINIMUM REQUIREMENTS:
 EROSION BMPs SHOWN ARE TO BE TAKEN AS THE MINIMUM REQUIREMENT. STABILIZED CONSTRUCTION ENTRANCE LOCATION SHALL BE SELECTED BASED ON THE PHASE OF WORK AND ACTUAL ACCESS LOCATION BEING USED FOR CONSTRUCTION.

ADDITIONAL EROSION/SEDIMENT CONTROL METHODS SHALL BE EMPLOYED BY THE CONTRACTOR AS NECESSARY TO INSURE THAT SEDIMENT/POLLUTANTS DO NOT LEAVE THE SITE. CONTRACTOR SHALL ADJUST HIS/HER EROSION AND SEDIMENT CONTROL MEASURES AS APPROPRIATE DURING THE COURSE OF THE WORK.

DETAILS:
 REFER TO THE NEXT SHEET FOR EROSION CONTROL DETAILS.

STORM SEWER INLET PROTECTION:
 DURING THE COURSE OF DEMOLITION AND CONSTRUCTION, EXISTING AND PROPOSED STORM INLETS SHALL BE COVERED/ PROTECTED/ FILTERED/ SEALED AS APPROPRIATE TO PREVENT SILT & POLLUTANTS FROM ENTERING THE EXISTING AND PROPOSED STORM SEWER COLLECTION AND DISCHARGE PIPING.

PHASED CONSTRUCTION:
 APPROPRIATE EROSION CONTROL AND SILT COLLECTION METHODS SHALL BE EMPLOYED AT THE DOWN GRADIENT TERMINUS OF EACH PHASE OF CONSTRUCTION, AS THE WORK PROGRESSES.

FINAL SURFACES:
 REFER TO THE LANDSCAPE SHEET FOR TYPES AND THICKNESS OF THE VARIOUS FINAL SURFACES. TOPSOIL SHALL NOT BE PLACED UNTIL THE COMPLETION OF ALL UTILITY, UNDERGROUND WORK, IRRIGATION, AND LIGHTING. TOPSOIL SHALL NOT BE PLACED UNTIL SEEDING IS IMMINENT. TOPSOIL SHALL NOT BE PLACED UNTIL AFTER THE SUBGRADE ELEVATION HAS BEEN CHECKED BY THE ENGINEER.

FINAL ELEVATIONS:
 CONTOURS SHOWN ARE FINISHED ELEVATIONS. SUBGRADE SHALL BE CONSTRUCTED TO 4" BELOW THESE ELEVATION IN THE TURF AREAS. INSTALL TOPSOIL AFTER SUBGRADE HAS BEEN OBSERVED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVES.

ALL DISTURBED AREAS:
 ALL DISTURBED AREAS NOT HARD-SURFACED TO RECEIVE 4" OF TOPSOIL AND FERTILIZED, SEED, AND HYDRO-MULCHED. HYDRO-MULCH: BONDED FIBER MATRIX (CONWED FIBERS 2500 BFM BY PROFILE PRODUCTS, LLC.) AT 100% COVERAGE. REMOVE WATTLES AFTER VEGETATION IS ESTABLISHED.

SEEDING:
 SEED MIX SHALL BE NON-IRRIGATED LAWN MIX. SEEDING SHALL BE INCREASED 1.5 TIMES THE STANDARD SPECIFICATION AMOUNT.

ESCP (EROSION AND SEDIMENT CONTROL PLAN):
 EROSION CONTROL MEASURES SHOWN ON THIS SHEET SHALL BE TAKEN AS THE MINIMUM REQUIRED. IT IS THE CONTRACTORS RESPONSIBILITY TO AUGMENT THESE MINIMUM REQUIREMENTS AS NEEDED TO PREVENT SEDIMENT/CONTAMINANTS FROM LEAVING THE BOUNDS OF THE PROJECT. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO PREVENT SEDIMENT FROM LEAVING THE SITE, AND TO PRESERVE THE CONSTRUCTED CUTS AND FILLS. CONTRACTOR MAY USE THIS PLAN SHEET AS A STARTING POINT IN THE CONTRACTOR'S ESCP.

IN-PROCESS EROSION CONTROL:
 DURING THE COURSE OF CONSTRUCTION, RUNOFF DIVERSIONS, TEMPORARY SILT DAMS, SILT FENCE, ETC. MAY BE NEEDED TO CONTROL SILT MIGRATION DURING THE WORK. CONTRACTOR SHALL APPLY BMPs AS NEEDED.

WATTLE INSTALLATION TIMING:
 TEMPORARY WATTLES MAY NEED TO BE USED AS AN INTERIM EROSION CONTROL BMP DURING THE COURSE OF THE GRADING OPERATION. SOME LOCATIONS MAY NEED A SECOND INSTALLATION TO KEEP EROSION FROM STARTING, DEPENDING ON WEATHER CONDITIONS AND CONTRACTORS PHASING OF THE WORK.

WATTLE REMOVAL:
 CONTRACTOR TO REMOVE AND DISPOSE ALL WATTLES UPON RE-ESTABLISHMENT OF TURF.

MAINTENANCE OF SLOPES:
 CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR MAINTAINING THE SLOPES TO INSURE THAT THE SEED, FERTILIZER, AND EROSION BLANKET ARE INSTALLED ON THE SLOPES IMMEDIATELY AFTER SLOPES ARE CONSTRUCTED. IT IS EXPECTED, HOWEVER, THAT TEMPORARY EROSION CONTROL METHODS WILL BE NECESSARY DURING SLOPE CONSTRUCTION.



Scale:	Scale: 1"=20'
Re-Designed By:	Drawn By:
MBK	MBK
Re-Design Date:	Print Date:
9/2019	9/24/2019
Surveyed By:	Survey Date:
LONGBRANCH UNK.	
Revisions:	

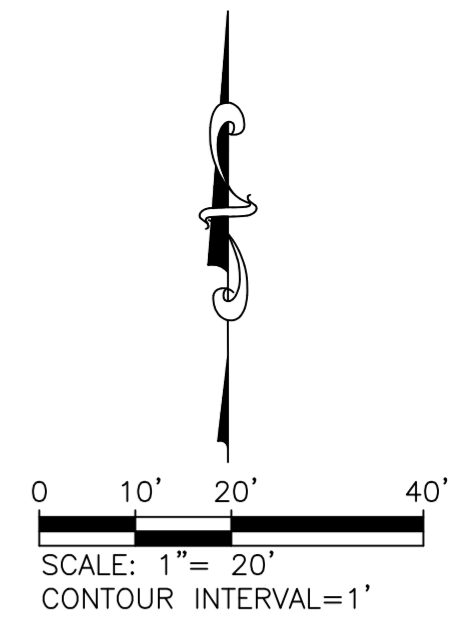
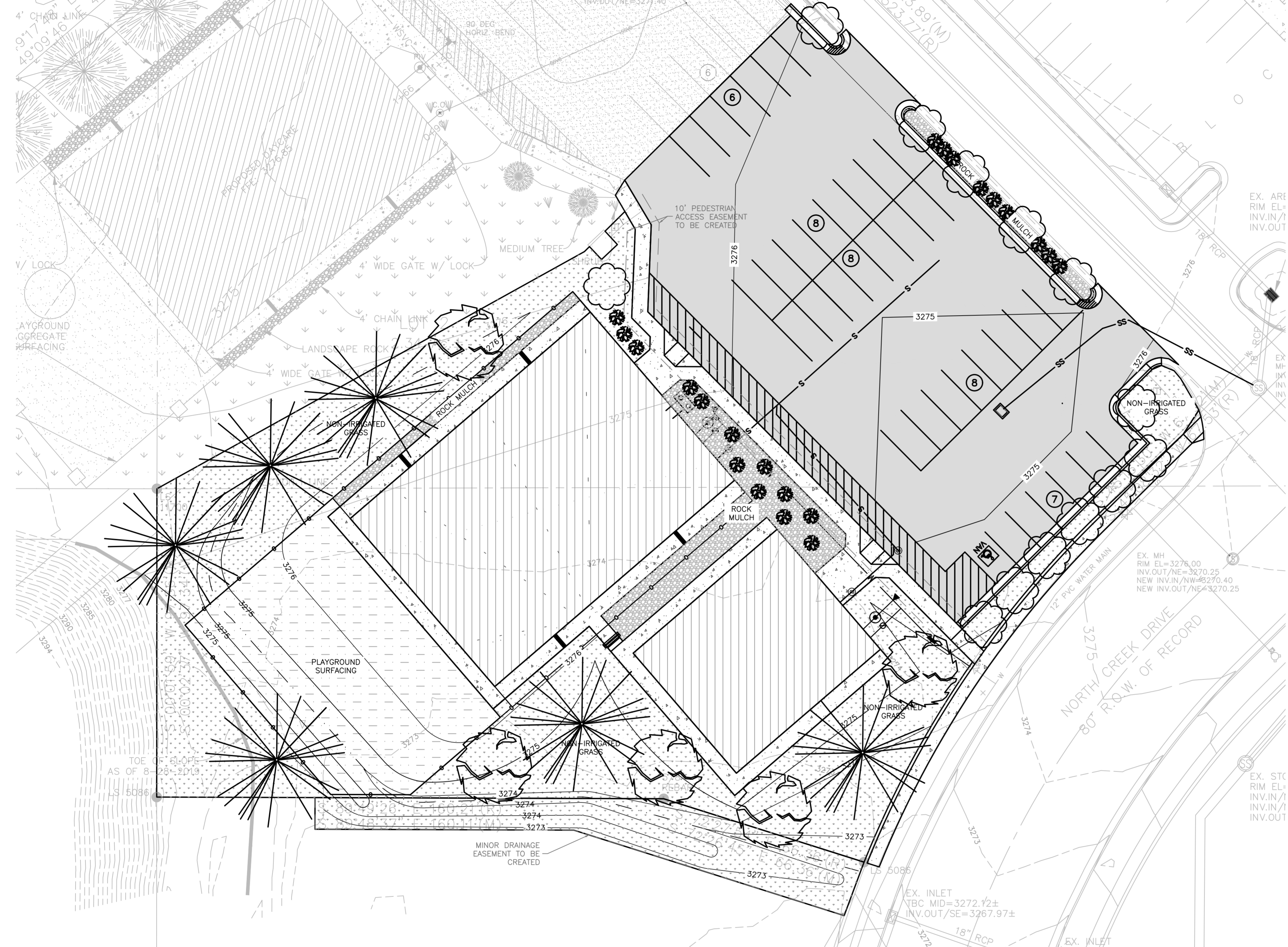
LEAP TO LEARN II
 LOT 2B OF BLOCK 2, MENARD SUBDIVISION
 621 N. CREEK DRIVE, RAPID CITY, SD

LOCATION

Prepared For:
 THE CENTURY COMPANIES:
 NORTH CREEK LAND COMPANY, LLC.

Internal Job No:
 2284.09

Sheet Title:
 EROSION CONTROL
 MINIMUM
 REQUIREMENTS



LEGEND

- GRASS
- SHRUB (MINIMUM MATURE HEIGHT OF 2')
- SMALL TREE (MINIMUM MATURE SPREAD OF 15')
- MEDIUM TREE (MINIMUM MATURE SPREAD OF 25')
- LARGE TREE (MINIMUM MATURE SPREAD OF 45', ALSO EVERGREEN TREES WHICH REACH A MATURE HEIGHT OF AT LEAST 20')

LANDSCAPE CALCULATIONS:

TOTAL LOT SIZE	53,143 SF
- BUILDINGS	-10,000 SF
PTS REQUIRED	43,143 SF
PROPOSED:	
GRASS-	1,463 SY X 10/SY = 14,630
SHRUBS -	22 x 250/EA. = 5,500
SMALL TREE -	13 x 500/EA. = 6,500
MEDIUM TREE -	5 x 1,000/EA. = 5,000
LARGE TREE-	6 x 2,000/EA. = 12,000
TOTAL PROVIDED:	= 43,630 PTS

SEEDING:

- SEED MIX TO BE NON-IRRIGATED. SEEDING, FERTILIZING AND MULCHING PER CITY OF RAPID CITY SPECIFICATION SECTIONS 70, 71, AND 72.
- ADDITIONALLY:
- A MINIMUM OF 4" OF TOPSOIL SHALL BE APPLIED AFTER ALL UNDERGROUND WORK IS COMPLETED.
 - SEED SHALL BE RAKED IN.
 - MULCH SHALL BE CONWED BFM 2500 AT 100% COVERAGE.
 - CONTRACTOR SHALL WATER AS NECESSARY UNTIL TURF IS ESTABLISHED AND SHALL MOW TO 4" WHEN GRASS REACHES 6" HEIGHT.

PLANTINGS:

- PLANTINGS SHALL BE WATERED AND FERTILIZED TO PROMOTE HEALTHY ROOTING-IN.
- CONTRACTOR SHALL PROVIDE A 12-MONTH WARRANTY FROM TIME OF PLANTING.
- UNSUCCESSFUL PLANTINGS SHALL BE REPLACED BY THE CONTRACTOR AT NO CHARGE TO THE OWNER.



Scale:	Scale: 1"=20'
File-Designed By:	Drawn By:
MBK	MBK
File-Design Date:	Print Date:
9/2019	10/04/2019
Surveyed By:	Survey Date:
LONGBRANCH UNK.	
Revisions: #1 - 10/04/2019, GYM BUILDING MOVED SOUTH TO PROVIDE FIRE CLEARANCE FROM DAYCARE BUILDING.	

LOCATION

LEAP TO LEARN II
LOT 2B OF BLOCK 2, MENARD SUBDIVISION
621 N. CREEK DRIVE, RAPID CITY, SD

Prepared For:

THE CENTURY COMPANIES:
NORTH CREEK LAND
COMPANY, LLC.

Internal Job No:
2284.09

Sheet Title:
LANDSCAPE
PLAN