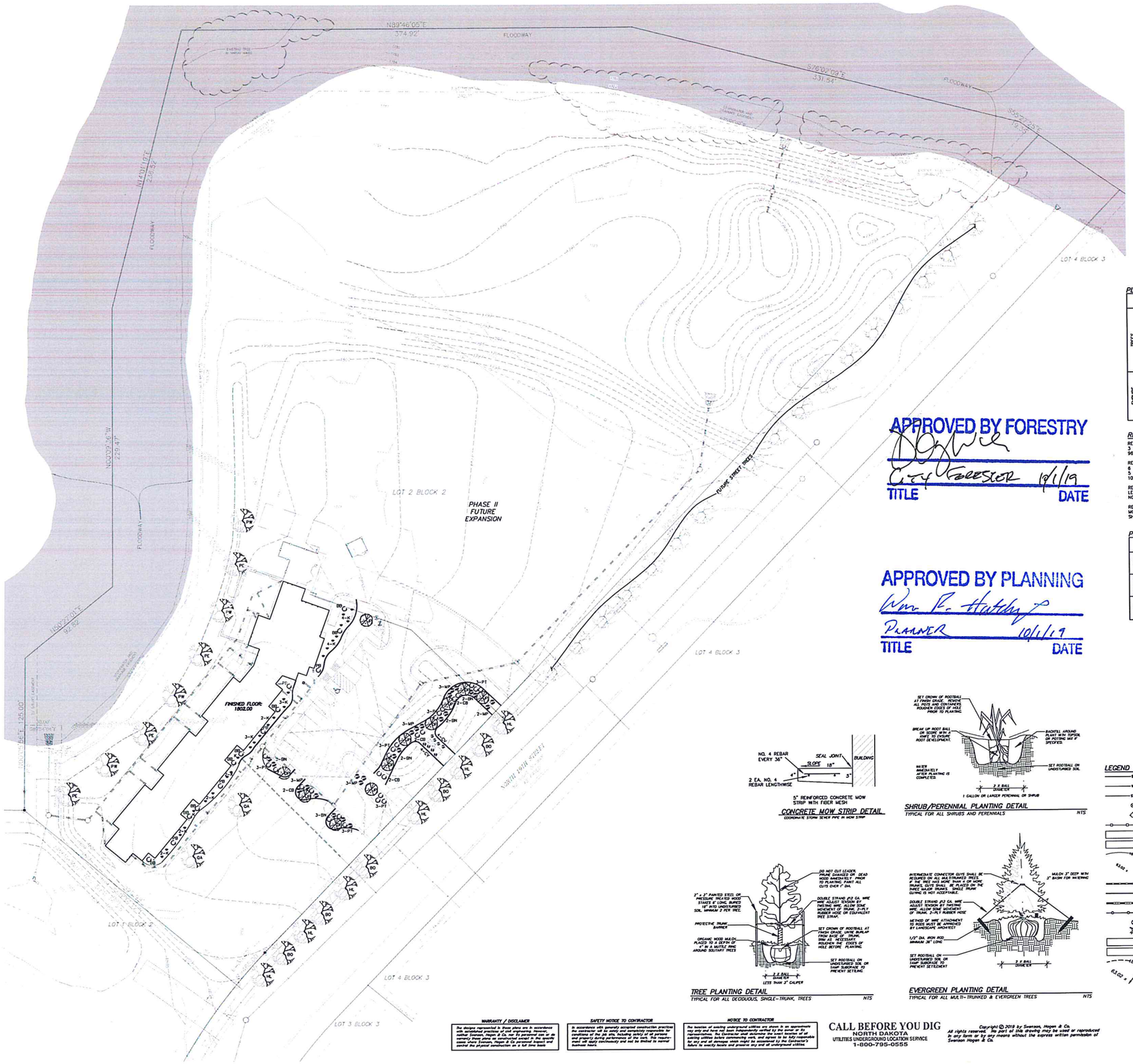
SP2019-045



LANDSCAPE NOTES

L1. CONTRACTOR IS REQUIRED TO LOCATE UTILITIES BEFORE DIGGING.

L2. CONTRACTOR SHALL INSTALL ALL REQUIRED PLANT MATERIAL TO MEET CITY OF BISMARCK ORDINANCES. ALTERATIONS TO BEAUTIFICATION LANDSCAPE MATERIAL MUST BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.

STREET TREES SHALL BE INSTALLED UP TO WHERE SIDEWALK IS TO BE INSTALLED WITH THIS PROJECT. FUTURE STREET TREES SHOWN WITHIN THE 19TH STREET RIGHT-OF-WAY ARE FOR CITY OF BISMARCK PERMITTING PROCESS ONLY. FUTURE STREET TREES ARE NOT WITHIN THE PROJECT SCOPE AND WILL BE INSTALLED AT THE TIME THE NORTHERN HALF OF LOT 2 BLOCK 2 IS DEVELOPED AND 19TH STREET IS EXTENDED.

L3. LANDSCAPE BEDS SHALL BE INSTALLED WITH PLUS OR MINUS 3/4 INCH CRUSHED ROCK TO A DEPTH OF 4 INCHES. PLANTING BEDS SHALL ALSO INCLUDE LANDSCAPE FABRIC MANUFACTURED SPECIFICALLY FOR PLANTING BED UNDERLAYMENT. SEPARATION FROM GRASS AREAS SHALL BE WITH A 6 INCH WIDE CONCRETE LANDSCAPING EDGE EITHER SLANT STYLE OR MOWER STYLE. SEE SHEET C6.1 FOR LOCATION OF LANDSCAPE BEDS.

L4. WHERE SEED OR SOD AREAS ARE LOCATED ADJACENT TO THE BUILDING INSTALL AN 18" WIDE CONCRETE MOW STRIP ALONG THE BUILDING PER DETAIL THIS SHEET.

L5. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO CARE FOR ALL PLANT MATERIAL UNTIL DATE OF FINAL INSPECTION AND APPROVAL. IT IS IN THE BEST INTEREST OF THE LANDSCAPE CONTRACTOR TO ENSURE ALL PLANTS ARE PROPERLY WATERED AND CARED FOR DURING THIS TIME. DEAD OR DYING PLANT MATERIAL WILL NOT BE ACCEPTED.

L6. SOLITARY TREES SHALL NOT BE EDGED AROUND, HOWEVER ORGANIC WOOD MULCH SHALL BE PLACED AROUND A TREE IN A MULTILE RING TO CONFORM TO THE DETAIL PROVIDED FOR TREE PLANTING ON THIS SHEET.

L7. CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFORMING TO THE FOLLOWING:

A) FURNISH SHRUBS GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS AND HEALTHY FOR 90 DAYS MINIMUM FROM DATE LANDSCAPE IS ACCEPTED AS COMPLETE.

B) TREES GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS AND HEALTHY FOR ONE YEAR FROM DATE LANDSCAPE IS ACCEPTED AS COMPLETE.

L8. CONTRACTOR SHALL INSTALL 50 BOULDERS WHERE DIRECTED AT TIME OF INSTALLATION BY OWNER'S REPRESENTATIVE. BOULDERS TO BE SELECTED AND PROVIDED BY OWNER FROM ONSITE ROCK STOCKPILE.

L9. CONTRACTOR TO SUPPLY AND INSTALL 30 TON OF LANDSCAPE ROCK (8" DIAMETER PLUS OR MINUS 2") IN ADDITION TO THE 3/4 INCH CRUSHED ROCK WITHIN LANDSCAPE BEDS. LOCATE WITHIN PLANTING BEDS WITH OWNER REVIEW OF LOCATION.

L10. INSTALL RIP RAP OUTFALL PER DETAIL ON SHEET C3.0 AT EACH FLARED END SECTION.

PLANT PALETTE REQUIRED LANDSCAPING PER CITY ORDINANCES

	SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
TREES	BO	BUR OAK	Quercus macrocarpa	2" Cal.	5
	DP	DAKOTA PINNACLE BIRCH	Betula platyphylla 'Fargo	1-1/2" Cal.	5
	HL	THORNLESS HONEY LOCUST	Gleditsia triacanthos	2" Cal.	6
	JP	JAPANESE TREE LILAC	Syringa reticulata 'Ivory Silk'	1-1/2" Cal.	6
	PW	PRAIRIE REFLECTION WILLOW	Salix pentandra 'Silver Lake'	1-1/2" Cal.	4
	PE	PRAIRIE EXPEDITION ELM	Ulmus americana 'Lewis & Clark'	1-1/2" Cal.	4
SHRUBS	BN	BIRD'S NEST SPRUCE	Picea abies 'Nidiformis'	2 Gallon	11
	CB	DWARF CRANBERRY BUSH	Viburnum trilobum 'Compactum'	2 Gallon	8
	MP	MUGO PINE	Pinus mugo 'Mops'	2 Gallon	14
	PT	POTENTILLA	Potentilla fruticosa	2 Gallon	18

REQUIRED LANDSCAPING PER CITY ORDINANCES

REQUIRED STREET TREES:
3 PER 100 FEET
965 LF ON 19TH STREET = 29 TREES

REQUIRED PERIMETER PARKING:
6 FEET WIDE W/ 1 TREE AND
5 SHRUBS PER 25 LF =
10 TREES AND 50 SHRUBS

REQUIRED INTERIOR LANDSCAPING:
LESS THAN 25 SPACES
NO INTERIOR LANDSCAPING REQUIRED

REQUIRED LANDSCAPE BUFFER YARD:
MODIFIED BUFFER PER CITY FORESTER
SHADE TREES 40 FEET ON CENTER

PROVIDED STREET TREES:
6 HL & 5 BO ON 19TH STREET
SEE NOTE L2

PROVIDED PERIMETER PARKING:
6-10 FOOT WIDTH, 5 DP, 5 JP, 11 BN
8 CB, 14 MP, & 18 PT

PROVIDED INTERIOR LANDSCAPING:
NO INTERIOR LANDSCAPING PROVIDED

PROVIDED LANDSCAPE BUFFER YARD:
4 PW & 4 PE

PLANT PALETTE BEAUTIFICATION LANDSCAPING

	SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
TREES	QA	QUAKING ASPEN	Populus tremuloides	1-1/2" Cal.	2
SHRUBS	BB	DWARF BURNING BUSH	Euonymus alatus 'Compactus'	2 Gallon	8
	PB	CRIMSON PYGMY BARBERRY	Berberis thunbergii "Crimson Pygmy'	2 Gallon	5
MISC.	K	KARL FOERSTER GRASS	Calamagrostis x acutiflora	1 Gallon	21
	CV	CRYSTAL BLUE SALVIA	Salvia nemorosa 'Crystal Blue'	1 Gallon	8

APPROVED BY FORESTRY
City Forester 10/1/19
TITLE DATE

APPROVED BY PLANNING
Wm R. Hatzenbuehler
Planner 10/1/19
TITLE DATE

5" REINFORCED CONCRETE MOW STRIP WITH FIBER MESH

CONCRETE MOW STRIP DETAIL
COORDINATE STORM SEWER PIPE IN MOW STRIP

SHRUB/PERENNIAL PLANTING DETAIL
TYPICAL FOR ALL SHRUBS AND PERENNIALS NTS

TREE PLANTING DETAIL
TYPICAL FOR ALL DECIDUOUS, SINGLE-TRUNK, TREES NTS

EVERGREEN PLANTING DETAIL
TYPICAL FOR ALL MULTI-TRUNKED & EVERGREEN TREES NTS

LEGEND

- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING VALVE
- EXISTING FIRE HYDRANT
- EXISTING BARB WIRE FENCE
- EXISTING ASPHALT
- EXISTING CONCRETE
- EXISTING CONTOUR
- 1338.00 / 1339.00 EXISTING GRADE
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- PROPOSED STORM SEWER
- PROPOSED FENCE
- PROPOSED VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- PROPOSED CONTOUR
- 23.20 cb / 24.70 gtr PROPOSED GRADE

N
W E
S
0 30' 60'
SCALE: 1" = 30'
DATUM: NGVD 29

WARRANTY / DISCLAIMER

The designs represented in these plans are in accordance with accepted practices of civil engineering. However, neither Swenson, Hagen & Co. nor its personnel can or do warrant the designs, or upon its completion, the land, structures or improvements shown on the plans shall be free and clear of the physical satisfaction or a full time basis.

SAFETY NOTICE TO CONTRACTOR

In accordance with generally accepted construction practices the contractor will be solely and exclusively responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal business hours.

NOTICE TO CONTRACTOR

The location of existing underground utilities are given to an approximate way only and have not been independently verified by the owner or its representatives. The Contractor shall determine the exact location of all existing utilities before commencing work. The Contractor will be fully responsible for any and all damages which might be occasioned by the Contractor's failure to exactly locate and preserve any and all underground utilities.

CALL BEFORE YOU DIG
NORTH DAKOTA
UTILITIES UNDERGROUND LOCATION SERVICE
1-800-795-0555

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Certification:

Owner:

Three Affiliated Tribes
of North Dakota
404 Frontage Road
New Town, ND 58763

CONFORMED CONSTRUCTION DOCUMENTS

ISSUE DATE:
SEPTEMBER 19, 2019

Project:
TAT - MHA NATION FEMALE TRANSITIONAL HOUSING PROJECT
BISMARCK, ND

Revisions:

No.	Date	Description

Sheet Title:
LANDSCAPE PLAN

Sheet Number:
C6.0