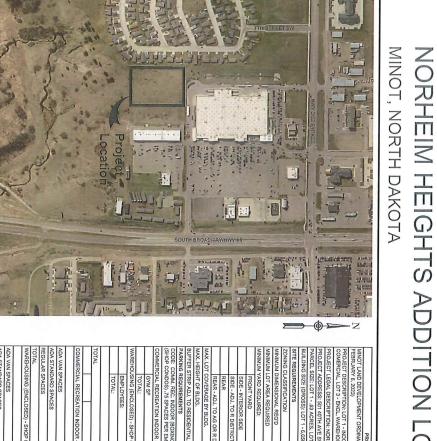
NORHEIM HEIGHTS ADDITION LOT 2 LOPEZ LLC SHOP CONDOS



			110:: . 7 > 7
	0	1	ADA STANDARD SPACES
	1	-	ADA VAN SPACES
_	PROVIDED	REQUIRED	
			WAREHOUSING (ENCLOSED) - SHOP CONDOS
	20	20	TOTAL
_	19	19	REGULAR SPACES
	0	0	ADA STANDARD SPACES
	1	1	ADA VAN SPACES
_	PROVIDED	REQUIRED	
_		CLUB	COMMERCIAL RECREATION INDOOR - FITNESS CLUB
_			
	43		TOTAL
•	23		TOTAL:
	23	30	EMPLOYEES:
			WAREHOUSING (ENCLOSED) - SHOP CONDOS
	20		TOTAL:
	20	6,650	GYM SF
_		CLUB	COMMERCIAL RECREATION INDOOR - FITNESS CLUB
	3 SPACE PER 1,000 SF, WAREHOUSING PER PEAK SHIFT,	SPACE PER 1	CODE: COMM, REC. INDOOR (BOXING GYM) - 3 SPACE PER 1,00 (SHOP CONDOS) .75 SPACES PER EMPLOYEE PER PEAK SHIFT.
_	20 FT.		BUFFER STRIP ADJ. TO RESIDENTIAL
_	60 FT.		MAX. HEIGHT OF BLDG.
_	NONE		MAX. LOT COVERAGE BY BLDG.
_	25 FT.		REAR - ADJ. TO AG OR R DISTRICT
_	OFT.		REAR
	15 FT.		SIDE - ADJ. TO R DISTRICT
	OFT.		SIDE - INTERIOR SIDE
_	25 FT.		FRONT YARD
_			MINIMUM YARD REQUIRED:
_	10,000 SF		MINIMUM LOT AREA REQUIRED
_	100 FT, WIDE		MINIMUM DIMENSIONAL REQ'D
_	C2		ZONING CLASSIFICATION
_			SITE REQUIREMENTS
_	OT - 40,200 SF	2 - VACANT, LOT - 40,200	BUILDING SIZE (GROSS): LOT 1 - 6,650 SF, LOT
_	2.30 ACRES	CRES, LOT 3 - 2	PARCEL SIZE: LOT 163 ACRES, LOT 278 ACRES, LOT 3 - 2.30 ACRES
_			PROJECT ADDRESS: 501 40TH AVE SW
_	N LOT 2	SHTS ADDITIO	PROJECT LEGAL DESCRIPTION: NORHEIM HEIGHTS ADDITION LOT 2
), LOT 2 - VACANT (CUP)	(BOXING GYM)	PROJECT DESCRIPTION: LOT 1 - INDOOR REC (BOXING GYM), LOT 2 - VACANT COMERCIAL, LOT 3 - ENCL. WAREHOUSING (SHOP CONDOS) (CUP)
_	S FOR COMPANDED	2 10 22 23 23	FEBRUARY 6, 2023)
_	DEGUNENTAL PORCE	DALEU VALUE	MINOT LAND DEVELOPMENT ORDINANCE, ADD

		Revisions	S
		#	
	SHEET INDEX	•	
Sheet Vo.	Sheet Title	Date	
1.1	TITLE SHEET		
2.1	LEGEND		
3.1	NOTES		
3.2	NOTES		
4.1	EXISTING CONDITIONS & REMOVALS	"	
5.1	SITE PLAN		
6.1	GRADING PLAN		
7.1	UTILITY PLAN		
7.2	UTILITY PLAN - PLAN & PROFILE		
:7.3	UTILITY PLAN - PLAN & PROFILE		
7.4	UTILITY PLAN - PLAN & PROFILE		
:7.5	UTILITY PLAN - PLAN & PROFILE		
8.1	LANDSCAPE PLAN		
8.2	LANDSCAPE SCHEDULES & DETAILS		
8.3	APE SCHEDULE		
9.1			
9.2	DETAILS		
9.3	DETAILS		
9.4	DETAILS		
9.5	DETAILS		
9.6	DETAILS		

LOPEZ LLC SHOP CONDOS MINOT, NORTH DAKOTA **COVER SHEET**

SCALE (H): 1" = 500 SCALE (V): 1" = 500 DRAWN BY: ARB DESIGNED BY: JJA CHECKED BY: SRW

ACKERMAN ESTVOLD 1907 17th St SE · Minot, ND 58701 701.837.8737 · www.ackerman-estvold.com CITY OF MINOT PROJECT # 4766

NORHEIM HEIGHTS ADDITION LOT 2

Civil Engineer: Ackorman-Estvold 1907 17th Street SE Minot, North Dakota 58701 Ph: (701) 837-8737 Contact: Justin Ahmann, PE

Owner:
Lopez LLC
XXXX
XXXXX
XXXXX
Ph: (701) 314-0008
Contact Alex Lopez

Surveyor.

Ackerman Surveying & Associates, Inc. 1907 17th Street SE Minot, North Daketa 58701 Ph. (701) 938-0786 Contact: Rob Berard, PLS

Electric Service: Vorendrye Electric 1225 Highway 2 Bypass E Minot, North Dakota 58701 Ph: (701) 852-0406 Contact: Byron Schiele

Telephone & Fiber Service: SRT Communications 1400 20th Avenue SW Minot, North Dakota 58701 Ph: (701) 833-0838 Contact: Scott Senger

North Dakota One-Call Ph: (800) 795-0555

Plair to the commencement of any work, the Contractor shall file a "Notice of Intent to obtain coverage under the NDPDES General Permit for Sterm Water Discharge Associated with Contraction Activity (NOI). The NOI shall be filed with the North Dakota Department of Environmental Quality.

provided by utility companies and not approximate and based upon information provided by utility companies and find between loss, A. And Deby of backlers of all underground utilities is mailtine gramanieed not warrande. And Deby of backlers of all responsible for beasing and verifying all underground utilities prior to construction. NO one-call: 1-800-786-0556.

It is understood that three plants were designed in accordance with sundance practices with 50 paralles widely accepted through the field of paralles widely accepted through the plant trajumented area throu been designed by the trajumented texts throu been designed trajumented professional reprince of the contract professional reprince of the contracted under the direct full time constructed under the direct full time observation of presented of the stage.

Project Contacts

PROPOSED TOPOGRAPHY FEATURES EXISTING TOPOGRAPHY FEATURES PROPOSED TOPOGRAPHIC CONTOUR (MAJOR) GRAVEL PAVEMENT HATCH CONCRETE PAVEMENT HATCH ASPHALT PAVEMENT HATCH MAIL BOX POST OR BOLLARD SIGN (SINGLE OR DOUBLE POST) PROPOSED CURB & GUTTER PROPOSED TOPOGRAPHIC CONTOUR (MINOR) CENTER LINE SECTION LINE PROPERTY LINE EXISTING CURB & GUTTER RIGHT OF WAY LINE CONTROL POINT TREES MAIL BOX FLAG POLE POST OR BOLLARD FENCE (WOOD OR PVC) TOPOGRAPHIC CONTOUR (MAJOR) PROPERTY CORNERS SET FENCE (BARBED WIRE OR OTHER) TOPOGRAPHIC CONTOUR (MINOR) PROPERTY CORNERS COMPUTED PROPERTY CORNERS (EXISTING) SIGN (SINGLE OR DOUBLE POST) FENCE (CHAINLINK) EXISTING UTILITIES - OE -6 0 b # 0 OE 0 g# D 0 0 STORM SEWER MANHOLE & INLET MANHOLE SANITARY SEWER MANHOLE & CLEAN OUT ELECTRICAL METER & GUY ANCHOR WATER MAIN FIRE DEPARTMENT CONNECTION FIRE HYDRANT WATER VALVE STORM SEWER GRAVITY MAIN SANITARY SEWER FORCE MAIN OVERHEAD ELECTRICAL LINE ELECTRICAL LINE UTILITY POLE & POLE W/ LIGHT GAS LINE NATURAL GAS VALVE & MANHOLE COMMUNICATIONS LINE COMMUNICATIONS PEDESTAL MISC. UTILITY MARKER & MANHOLE WATER CURB STOP SANITARY SEWER GRAVITY MAIN LIGHT POLES ELECTRICAL PULL BOX & TRANSFORMER CABLE OR TELEVISION LINE TELEPHONE LINE FIBER OPTIC LINE NOTE:
THIS IS A GENERAL LIST OF SYMBOLS, LINES
AND ABBREVIATIONS. NOT ALL ARE USED ON
THIS PROJECT AND SOME MAY NOT BE SHOWN. PROPOSED EROSION CONTROL FLOATING SILT CURTAIN PROPOSED UTILITIES -0 Д 0 0 0 0 EROSION CONTROL BLANKET FIBER ROLL SILT FENCE WATER FITTINGS WATER CAP WATER CURB STOP STORM SEWER GRAVITY MAIN SANITARY SEWER GRAVITY MAIN WATER REDUCER WATER MAIN WATER VALVE FIRE HYDRANT WATER MANHOLE STORM SEWER END SECTION STORM SEWER MANHOLE STORM SEWER INLET MANHOLE STORM SEWER CATCH BASIN SANITARY SEWER CLEANOUT SANITARY SEWER MANHOLE SANITARY SEWER FORCE MAIN GENERAL ABBREVIATIONS 3255355 DR PM P7 3556688885 558888 B
-BLIND FLANGE
-BACKFLOW PREVENTER
-BUILDING
-BUTTERFLY VALVE AIR CONDITIONING
AIR RELEASE VALVE
AMERICAN SOCIETY OF MECHANICAL
ENGINEERS
AMERICAN SOCIETY OF TESTING MATERIALS
AMERICAN SOCIETY OF TESTING MATERIALS
AIR VACUUM AND AIR RELEASE -METER
-MANUFACTURER
-MILLON GALLONS PER DAY
-MANHOLE
-MISCELLANEOUS
-MECHANICAL JOINT
-MOTOR - INSIDE DIAMETER
-IRON MONUMENT
-INCH
-INVERT ELEVATION
-IRON PIN -GALLON
-GLASS
-GALLONS PER MINUTE
-GATE VALVE
-GYPSUM CARTCH ANSIN
CUBIC FOOT
CUBIC FOOT
CUBIC FEET PER SECOND
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FORCE MAIN -EXISTING

-EDGE OF CONCRETE

-ECCENTRIC

-ELEVATION

-EDGE OF PAVEMENT

-EXPANSION JOINT -DIAMETER
-DIMENSION
-DUCTILE IRON PIPE TNIOL -HOSE BIBB -HORSEPOWER -HEATING AND AIR CONDITIONING -HIGH WATER LEVEL NTS T NO S NO NOZ 35 VERT 꼰쯤쯗~~ YED ARE,
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SMITARY SEVER MANHOLE
SMITARY SEVER
A STANDARD
STANDARD
THE MANHOL' ZONING-CHISEL X TOP BACK CURB
TEMPORARY
TONGUE AND GROOVE
TANK
TOP OF CONCRETE
TOP OF GROUT
TOP OF GROUT
TOP OF WALL
TYPICAL PRESSURE GAUGE
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APOLYMYN'C CHACINE
APOLYMYN'C -U POST -ULTRA VIOLET -NORMALLY CLOSED
-NORMALLY OPEN
-NORMALLY OPEN
-NOMINAL PIPE SIZE
-NATIONAL PIPE THREAD
-NOT TO SCALE -WITHOUT
-WATER SURFACE
-WELDED STEEL PIPE -VERTICAL -VITRIFIED CLAY PIPE -SLOPE -SILT FENCE -SHEET -ON CENTER
-OUTSIDE DIAMETER
-OVERFLOW RESTRAINED JOINT ALLINYOR ORCED CONCRETE PIPE PRELIMINARY SE SCALE (H): N'A SCALE (V): N'A ACKERMAN ESTVOLD 1907 17th St SE · Minot, ND 58701 LOPEZ LLC SHOP CONDOS C2.1 of NORHEIM HEIGHTS ADDITION LOT 2 DRAWN BY: ARB DESIGNED BY: JJA MINOT, NORTH DAKOTA CHECKED BY: SRV LEGEND 701.837.8737 · www.ackerman-estvold.com Minot, ND | Fargo, ND | Williston, ND | Boise, ID

GENERAL NOTES

- ALLWORK SHALL COMPORM TO THE 2021 CITY OF MINOT STANDARD
 SPECIFICATIONS AND DETAILS, THESE INJUST STANDARD WITH
 LOCAL & STATE BUILDING, PLUMBING, AND ELECTIFECAL CODE IN INSTANCES
 WHERE THERE IS A COMPLICT! THE MORE STRINGER STANDARDS SHALL BE
 FOLLOWED, AS DETERMINED BY THE ENGINEER.
- ALL CONSTRUCTION TO BE PERFORMED IN FULL ACCORDANCE WITH 2021 CITY OF MINOT STANDARD SPECIFICATIONS AND DETAILS UNLESS OTHERWISE EXPLICITLY CALLED FOR WITHIN THE CONSTRUCTION DOCUMENTS. THE FOLLOWING IS A LINK TO THOSE SPECIFICATIONS, HTTPS://www.minotind.org/document/genter.
- EXISTING UNDESCROUND UTILITIES SHOWN ARE APPROXIMATE AND BASED UPON MEDBAMATION PROPRIDED BY UTILITY COMPANIES AND FILLD DESERVATIONS. ACCURACY OF LOCATIONS OF ALL UNDESCROUNDS UTILITIES IN SHIPTIONS. GUARANTEED NOR MANAGEMENT COMPANIES IN THE PLANS HAVE BE FRESSEN; COMPANIED NOR THE PLANS HAVE BE FRESSEN; COMPANIED NOR THE PLANS HAVE BE FRESSEN; COMPANIED AND THE PLANS HAVE BE FRESSEN; COMPANIED AND THE PLANS HAVE BE FRESSEN; COMPANIED FOR THE PLANS HAVE BE FRESSEN; COMPANIED THE SHOWN T
- CONTRACTOR SALL BE RESPONSIBLE TO SATISKY PHEASELVES OF ALL ITILITIES IN THE PROJECT, TARK PROJECT, TARK PROJECT, TARK PROJECT, TARK PROJECT, SATISKYNG REQUIREMENTS MAY INCLUDE CONTRACTING UTILITY COMPANIES TO VERHY UTILITY LOCATIONS, DEPTHS AND CONFULING WITH PLANNES WORK, MAY CONSTRUCTIONS, TO LOCATIONS, EDETHS AND CONFULING WITH PLANNES WORK, ANY CONSTRUCTIONS OF THE PROPHET OF THE PROJECT AREA SHALL BE INCLUDED CONTRACTOR'S SUBMITTED BID PACKAGE. 7
- CONTRACTOR SMALL POTHOLE ALL ITILITIES WITHIN THE PROJECT AREA, INVEST. PRIOR TO COMMENCEMENT OF CONSTRUCTION CONTINUES THAT IMAY WITERFERE THAT THE THING IN THE PRIOR OF THE PROPOSED CONTINUES AND THE PRIOR OF THE PROPOSED CONTINUES AND THE PRIOR OF THE PROPOSED CONTRACT ENGINEER TO COMPLETE FILL OF REPORTION OF THE RIGHT TO COMPLETE FILL OF REPORTION OF THE RIGHT TO ADJUST PROPOSED GROSS TO ACCOMMONATE SYSTEMS OF THE RIGHT TO ADJUST PROPOSED GROSS TO ACCOMMONATE SYSTEMS OF THE SAY NO TO ADJUST PROPOSED THE SAY NO TO ADJUST PROPOSED THE SAY NO TO ADJU 2
- EXISTING UTILITIES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: WATER, RUPAL, WATER, SANITARY SEWER, STORM SEWER, PETROLEUM, COMMUNICATIONS (DATA) TELECOMM.), AND ELECTRICAL, UTILITIES MAY HAVE VARIOUS PROVIDERS.
- PRIOR TO THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR OR CONSTRUCTION.

 CONSTRUCTION MANCHER SHALL THE A MOTICE OF INTERT TO GRIVAN CONSTRUCTION MATER.

 DISCHARGE ASSOCIATE WITH CONSTRUCTION CONTROL MATER.

 BISCHARGE ASSOCIATION WITH THE MOST A DEPARTMENT OF ENVIRONMENTA, DULITY WORDS THE WORTH THE MOST A DEPARTMENT OF ENVIRONMENTA, DULITY WORDS PERT THE PERMIT REQUIREMENTS, EROSION CONTROL MEASURE AME LE COSISTIVATION FOR CONSTRUCTION EDITOR OF THE PERMIT FOR CONSTRUCTION FOR THE PERMIT FOR CONSTRUCTION FOR THE PERMISSIPES AME MONOMENTAL OBJECT OF MOST AND THE CONTROLL FOR SIGNING MONOMENTAL THE CONTROLL FOR SIGNING MONOMENTAL THE SPECIFICATIONS, AND MANTANED THROUGHOUT CONSTRUCTION. 7.
- THE CONTRACTOR SHALL PROVIDE AN EMERGENCY CONTACT THAT CAN BE AVAILABLE 24 HOURS PER DAY, 7 DAYS A WEEK THROUGH OUT THE DURATION OF THE PROJECT. 8.
- CONSTRUCTION MATERIALS AND SOIL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. TESTING REQUIREMENT ARE SET FORTH IN THE SPECIFICATIONS, ALL COSTS SHALL BE INCLUDED IN THE BID ITEM FOR MATERIAL SPECIFICATIONS, ALL COSTS SHALL BE INCLUDED IN THE BID ITEM FOR MATERIAL 9.
- DEMOLTION SHALL NICLUSE BEMOVIAL OF FOUNDATIONS, FOOTINGS, CABLES, WIRES, PIESS, POLIES, ROOTTS, MATERIALS ETO, ASSOCIATED WITH ALL NIDICATED SUPFACE AND SUBSURFACE TIEMS SCHEDULED FOR DEMOLTION, ALL DEMOLTION LIEMS, MATERIALS SHALL BE REMOVED, TRANSPORTED & DISPOSED OF IN AN APPROVED L'ANDRILL LOCATION. 10

6

- COSTS FOR REMOVAL OF TREES / SHRUBS, ROOTS AND GROUND VEGETATION SHALL BE INCLUDED IN THE BID.
- PRIOR TO THE COMMENCEMENT OF ANY MORK, THE CONTRACTOR SHALL SUPPLY SHOP DEAVMINGS AND PRODUCT SHAMITTALS TO THE ENQUELER FOR UTERFICATION AT LEAST TEAL (10) MORKING DAYS PRIOR TO THEIR MISTALLATION, THE CONTRACTOR SHALL NOT PROCEED WITH INSTALLATION WITHOUT WRITTEN APPROVAL FROM THE SIGNIEER.
- CONTRACTOR SHALL PROVIDE TEMPORARY SECURITY MEASURES AT THE PROJECT SITE AS NEEDED, THE OWNER SHALL BE ALLOWED ACCESS TO THE SITE AT ALL TIMES.

13.

- THE CONTRACTOR SHALL DEWATER EXCAVATIONS AS NECESSARY TO KEEP BOTTOMS OF ALL EXCAVATIONS FREE FROM ACCUMULATED & IN-FLOWING WATER, ALL COSTS SHALL BE CONSIDERED INCIDENTAL.
- THE CONTROLTOR SHALL BE RESPONSIBLE FOR APPROPRIATE TRAFFIC CONTROL MEASURESS BEFORE WORK BESINS, THE MINOT CITY PERMERS RAUL, HAVE FINAL PROVIDED THE TRAFFIC CONTROL PLAN, ALL TRAFFIC CONTROL SHALL COMPREVE WHITH THE MINOT STANDARD SEFCIPINTIDIAS FOR ROAD AND RRIDGE CONSTRUCTION SECTION YOU AND THE MANAUL OF HUSERDAY TRAFFIC CONTROL DEVICES (MUTCD). KNOW CLOSURES WILL REQUIRE PRIOR APPROVAL OF THE ENVIRONMENT OF A ROAD CONTROL TRAFFIC CONTROL DEVICES (MUTCD). KNOW CLOSURES WILL REQUIRE PRIOR APPROVAL OF THE ENVIRONMENT OF A ROAD CONTROL TRAFFIC CONTROL DEVICES. C)

۲ SURVEY NOTES

- THE UNDERGOUND UTILITIES ARE CREERAL LOCATIONS FERMISHED BY THE ITTUINY COMPANIES, ACCUME CONVAINTON, THE EXACT LOCATION OF UNDERGOUND STATU CANNOT BE ACCUMENTED. WORKERS ACCUMENTED WHITE WAND BELABLY DEPUTED, WHERE ACCUMENDANCIAN LISTORISHED, THE OWNERS & CONTRACTION AND ADDRESS THAT EXCAVATION MAY BE NECESSARY. JRES
- UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE PROJECT THAT MAY NOT BE INDICATED IN THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO CONTACT AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
- WATER, SEWER, STORM SEWER TIE-INS AND UTILITY CROSSINGS SHALL BE EXPOSED FOR VERIFICATION OF ELEVATION PRIOR TO CONSTRUCTION.
- ALL INDICATED LINDERGOUND DTILITIES, PIES 2025, ELENTIONS AND MATERIAL TYPES ARE TO BE FIELD VERBEID BY THE COMPACTOR PRIOR TO THE START OF A THE TOTAL OF THE START OF THE ST
- A NORTH DAKOTA ONE CALL WAS SUBMITTED FOR ORIGINAL SURVEY ON 10/17/2022.
- COMPLETION DATE OF ORIGINAL FIELD SURVEY WORK ON 10/27/2022.
- VERTICAL DATUM FT-NAVD88.

EROSION CONTROL NOTES

THIS PLAN IS NOT INTENDED TO ACT AS THE SWPPP REQUIRED UNDER THE NOPDES GENERAL PERMIT. EROSION CONTROL MEASURES SHOWN ON THIS PLAN SHOULD BE CONSIDERED THE MINIMAN REQUIRED. ADDITIONAL REGISION CONTROL MEASURES MAY BE REQUIRED AS SITE CONDITIONS MERTIT.

14.

13.

- REFER TO EROSION CONTROL PLAN REQUIREMENTS, EROSION CONTROL MEASURES TO BE IMPLEMENTED PRIOR TO THE START OF ANY SITE RELATED WORK AND MAINTAINED THROUGH TO THE END OF CONSTRUCTION ACTIVITIES,
- CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN SITE AND SHALL CORRECT ANY EROSION ISSUES IMMEDIATELY.
- SEEDING TYPE, LOCATION, AND APPLICATION RATES SHALL BE PER THE SPECIFICATIONS, CONTRACTOR SHALL ONLY SEED BETWEEN MAY 1 AND JUNE 15TH OR SEPTEMBER 1 AND OCTOBER 15TH.
- CONTRACTOR SHALL WARRANTY SEEDING UNTIL VEGETATION IS ESTABLISHED AT A RATE OF NO LESS THAN 80% COVERAGE.

17.

16

- CONTRACTOR SHALL PLACE EROSION CONTROLS AS NECESSARY DURING CONSTRUCTION.
- CONTRACTOR SHALL NISTALL CONSTRUCTION ACCESS TO PREVENT TRACKING OF DEBRIS FROM THE PROJECT SITE IS BUTWAYER. BUTS THE MAY NAVE THE RESULANT TO PREVENT AW ACCUMULATION (SEDMESTRO) ON PUBLIC ROADWAYS AW AND ALL TRACKED DEBRIS MUST BE COMPLITED, REMOVED BY CONTRACTOR FROM ROADWAYS PRIOR TO THE END OF THE WORKDAY.
- CONSTRUCTED SLOPES SHALL BE STABILIZED (VEGETAL OR OTHER) IMMEDIATELY FOLLOWING COMPLETION. STRAW MATTING SHALL BE REQUIRED ON ALL SLOPES GREATER THAN 4:1.
- INLET PROTECTION IS REQUIRED ON ALL STORM STRUCTURE INLETS, /OUTLETS, (CATCH BASINS, CATCH BASIN MANHOLES, FLARED END SECTIONS, GRATE INLETS, WATER CONTROL STRUCTURES).
- STOCKPILE LOCATIONS SHALL BE APPROVED OWNER PRIOR TO THE START OF GRADNING WORK. STOCKPILE MAXIMUM HEIGHT 15 W SIDE SLOPES @ 3:1 MAX. STOCKPILES SHALL BE SEEDED WITHIN ONE-WEEK OF COMPLETION.

EARTHWORK AND GRADING NOTES

- ANY DISTURBED SOILS SHALL BE RE-COMPACTED OR REMOVED AND REPLACED WITH CONTROLLED COMPACTED FILL, LOOSE LIFT THICKNESSES SHALL NOT EXCEED SIX (6) NOFES, COMPACTION REQUIREMENTS PER BRAUN INTEREO GEO-TECHNICAL REPORT
- ALL COSTS FOR DEWATERING INCLUDING BUT NOT LIMITED TO DEWATER OF EXCAVATION, BYPASS PUMPING, OR REMOVAL AND PUMPING OF WATER FROM PROJECT SITE SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL DEWATER EXCAVATIONS AS NECESSARY TO KEEP THE BOTTOMS OF ALL EXCAVATIONS FREE FROM INCOMING WATER.

ω. in

- CLEARING AND GRUBBING SHALL INCLUDE THE REMOVAL OF SHRUBS, STUMPS, ROOTS, BRUSH, AND OTHER SURFACE OBJECTS FROM THE LIMITS OF DISTURBANCE.
- THE CONTRACTOR SHALL STEP TORSOL IN CONSTRUCTION AREAS AND STOCKPULE IN THE AREAS NUCKTIES OF OPPOSIL STOCK PLE LOCATION(S) ARE TO SEE APPROVED BY THE OWNERS, STOCKPULES) TO HAVE SIDE SLOPES OF THE OWNERS, STOCKPULES OF THE AREAS OF THE OWNERS OF THE OWN

- ALL TOPSOLL SHALL BE SEPARATED FROM OTHER MORGANIC SOIL MATERIALS.
 THE CONTRACTORS ARELL. TAKE NECESSARY PRECAUTIONS TO PREVENT THE
 MANGE OF TOPSOL WITH OTHER MATERIALS, EXCESS MATERIAL
 (DOPSOLLCLAYORANEL, ETC.,) IF DIRECTED SHALL BECOME THE CONTRACTORS
 RESPONSIBILITY TO REMOVE FROM STIEL.
 SHALL BECOME THE CONTRACTORS
 RESPONSIBILITY OF THE RE
- EXCESS MATERIAL (TOPSOLI CILAY ORANGEL ROCK, WASTE SOIL, ETC.) TO BE STOCKPILED (SEE CONSTRUCTION STRANDARDS OF DUP SOIL NOT BE SOTTO TO BE OFFICE AND DIRECTION OF THE OWNER, IF THE OWNER BLECT'S TO HAVE WASTE MATERIAL REDAYS TO SHALL BECAUSE THE CONTROLAR SEES/ORSBILLTY TO REMOVE FROM THE SITE, ALL COSTS SHALL BE INCIDENTAL IF SPECIFIC BID TEMAS, ARE NOT ESPUCITLY PROVIDED.
- CONSTRUCTED SLOPES TO BE STABILIZED IMMEDIATELY FOLLOWING COMPLETION, COMPACTION REQUIREMENTS PER BRAUN INTERTEC GEO-TECHNICAL REPORT.
- PREPARATION OF BULDING FOUNDATION RELATED EARTHWORK PER GEO-TECHNOCA. COMPANY GEO-TECHNICAL REPORT. SURVEY OF SETTLEMENT PLATES TO BE PROVIDED BY CONTRACTOR.
- 10. PROTECT EXISTING TREES AND VEGETATION OUTSIDE OF GRADING LIMITS.
- 11. ALL GRADES/CONTOURS ARE FINISHED GRADE.
- 12. FINISHED GRADES ARE TOP BACK OF CURB (TBC), UNLESS OTHERWISE INDICATED
- EDGES OF ASPHALT OR CONCRETE SUBJECT TO REMOVAL SHALL BE SAW CUT VERTICALLY THROUGH THE ENTIRE DEPTH OF THE PAVEMENT'S TRUCTURE. THE COST OF SAW CUTTING SHALL BE INCLUDED IN THE PRICE BID FOR SAW CUT PAVEMENT. THE TOPSOIL SHALL BE RESPREAD TO A DEPTH OF AT LEAST SIX (6) INCHES. REFER TO THE SPECIFICATIONS FOR SEEDING REQUIREMENTS,
- 15. ASPHALT SCHEDULED FOR REMOVAL SHALL BE REMOVED AT THE FULL DEPTH AND SHALL NOLUDE. SHPHALT OR GRAVEL SURFACE ALONG WITH GRAVEL BASE, ALL MATERIAL REMOVED SHALL BEDOMET THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE TO REPARE DAMAGE TO ANY AND ALL HALL ROUTES, AREAS TO BE REPARED SHALL BE DETENDED BY THE SHORMER UPON COMPLETION OF CONSTRUCTION MOSED ON PRE AND POST CONSTRUCTION ROADWAY ASSESSMENT, HAUL ROUTE REPARE SHALL BE AT THE CONTRACTOR'S EXPENSE AND IS CONSIDERED INCIDENTAL TO OTHER BID ITEMS.

10.

CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL THROUGHOUT THE DURATION OF CONSTRUCTION. WATER FOR DUST SUPPRESSION SHALL BE SUPPLIED AT THE CONTRACTOR'S EXPENSE AND SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS.

TRAFFIC CONTROL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPROPRINT TRAFFIC CONTROL
 MEASURES BEFORE WORK EIGHIS, THE ALH TRAFFIC CONTROL SHALL HAVE
 FINAL APPROVAL OF THE TRAFFIC CONTROL PLAN, ALL TRAFFIC CONTROL SHALL
 COMETY WITH THE BUDDOT STANADAS PRECIFICATIONS FOR RADA AND BIRDOE
 ONSTRUCTION SECTION 70A AND THE MANUAL OF UNIFORM TRAFFIC CONTROL
 DEPLOES MUTTOD, ROOM CLOSSIBLES WILL REQUIRE PROIQ APPROVAL OF THE ALM
 PRAFFIC CONTROL
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 TO THE FORM TO THE MANUAL OF THE ALM
 RADO CLOSSIBLES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPROPRIATE TRAFFIC CONTROL
 MEASURES, ALL TRAFFIC CONTROL SHALL COURTY WITH THE MODIT STRONGES
 SECRIFICATIONS FOR PRODA AND BRIDGE CONSTRUCTION, SECTION 77 MAND THE
 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), ALL COSTS SHALL BE
 ACLUDED IN THE PRICE BED FOR TRAFFIC CONTROL.)
- THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO ENSURE THAT NO OVERLOADING OF ROADWAYS OCCURS, ANY ROAD DAMAGED, OTHER THAN DESIGNATED DETOIR ROUTES, SHALL BE REPLACED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO SUBMITTING BID PACKAGE, THE CONTRACTOR SHALL CONTACT THE APROPRIATE TRIBAL, STATE, COUNTY, TOWNSHIP, OR CITY OFFICIALS TO DETERMINE IF THERE ARE ARY ROADWAYS THAT WILL BE DESIGNATED AS "NO HAUL ROUTES."
- PRINATE ROADWAYS SHALL NOT BE USED FOR HAUL ROUTES OR DETOUR ROUTES WITHOUT WRITTEN APPROVAL FROM ROADWAY OWNER OR AUTHORIZED OPENATORS, A WRITTEN COPY OF ALL AGREEMENTS ORTHANED BY THE ONTHAN CONTRACTOR SEPARATE FROM THE PROJECT SHALL SUPPLIED TO THE BAGNEER,
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DETOUR ROUTE THAT IS DAMAGED AS A RESULT OF INCREASED TRAFFIC DUE THE SELECTED ALTERNATE ROUTE. AREAS TO BE RATCHED MULE BETERMINED BY THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN A DEBRIS FREE ROAD SUFFACE IMMEDIATELY ADJACENT TO THE PROJECT SITE. THE CONTRACTOR SHALL SWEEP ALL MATERIAL TRACKING AND DEBRIS FROM THE ROADWAY IMMEDIATELY OR AT THE DIRECTION OF THE ENGINEER.

C3.1 of

UTILITY PLAN NOTES

LOCATIONS OF EXSTING UTILITIES SHOWN ARE APPROXIMATE AND BASED UPON MEDAMATION PROVIDED BY UTILITY COMPANIES AND FIELD DESERVATIONS. ACCURACY OF LOCATIONS OF ALL UNDERGROUND UTILITIES IS NEITHER GUARANTEED NOR MARRANTEE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND YEIGHTWIG ALL UNDERGROUND UTILITIES RYROR TO CONTRACTOR SHALL BE RESPONSIBLE FOR COCKING AND YEIGHTWIG ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND ONE-CALL. 1-MOD-725-0525

BY DATE

- CONTRACTOR REQUIRED TO IDENTIFY, LOCATE, AND DETERMINE SIZE, MATERIAL, AND ELENTION OF ALL EXISTING L'ILLITES THAT WILL BE AFFECTED BY PROJECT UTILLY WORK PROJET OT HE STAFT OF CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER OF ANY CONCERNS
- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT 2021 CITY OF MINOT STANDARD SPECIFICATIONS AND DETAILS UNLESS OTHERWISE EXPLICITLY CALLED FOR ON THE DRAWNGS OR IN THE PROJECT SPECIFICATIONS
- THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS AND PRODUCT SUBMITTALS OF THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS AND PRODUCT SUBMITTALS TO THER INSTALLAND, THE CONTRACTORS SHALL NOT PROCEDED WITH INSTALLATION WITHOUT WRITTEN APPROVAL FROM THE ENGINEER
- THE CONTRACTOR SHALL COORDINATE ALL WORK TO BE DONE NEAR ANY EXETING SAS MAN WITH MOU MONTRACH ANOTA UTILITY COMPANY), PRIOR TO CONSTRUCTION HE CONTRACTOR SHALL POPHOLE AND FIELD VEREITY ALL EXETING MOU GAS MAN LOCATIONS WHERE PROPOSED UTILITIES BEFORE WILL GROSS MOU FACILITY.
- THE CONTRACTORS SHALL DEWATER EXCAVATIONS AS NECESSARY TO KEEP BOTTOM OF ALL EXCAVATIONS FREE FROM INCOMING WATER 쿪
- WATER LINES SHALL BE AWWA C-900, DR-18 PVC PER MINOT STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED
- SANITARY SEWER PIPE SHALL BE PER CITY OF MINOT STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTES, FOR DEPTHS LESS THAN 20 FEET, ALL PIPE SHALL BE A MINIMUM OF ASTIN 2004 SDR-35, FOR PIPES DEEPER THAN 20 FEET, PIPE SHALL BE A MINIMUM OF SDR-25
- CONTRACTOR SHALL COORDINATE WITH ARCHITECT FOR FINAL PLACEMENT OF UTILITY SERVICES ENTERING / EXTING THE BUILDING
- WATER MAINS SHALL HAVE 8.5 FEET OF MINIMUM COVER AND WILL BE PLACED A MINIMUM OF 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED GRAVITY SANITARY OR STORM SEWER AS MEASURED FROM THE OUTSIDE OF PIPE
- 11. IF IT IS NOT POSSIBLE TO MAINTAIN HORIZONTAL SEPARATION, THE WATER MAIN SHALL BE IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT AN ELEVATION 80 THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 NOHES ABOVE THE TOP OF THE GRAVITY SEWER
- WATTER MAIN CROSSING SEMERS SHALL BE PLACED TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18 INCHES AS MEASURED FROM THE OUTSIDE OF PIPES
- WHEN IT IS NOT POSSIBLE TO MAINTAIN VERTICAL SEPARATION OF 18 INCHES, THE SESWER MATERIALS SHALL BE WATER WORKS GRADE 150 PSI PRESSURE PIPE MEETING AWWA STANDARDS AT CROSSINGS, 1 (ONE) FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE
- ONLY CITY OF MINOT PERSONNEL ARE PERMITTED TO PERFORM WATER MAIN TAPS ON CITY MANNS OR ACTIVATE WATER MAIN VALVES LOCATED WITHIN A PUBLIC RIGHT-OF-WAY ALL UTILITIES SHALL BE LOCATABLE WITHOUT DIGGING PER NDCC 49-23-04
- ROW/ EXCAVATION PERMIT WILL BE REQUIRED FOR WATER AND SEWER CONNECTIONS. INSPECTION BY THE CITY OF MINOT WATER AND SEWER DEPT, PRIOR TO BACKFILLING
- TESTING REQUIREMENTS OF ALL CONSTRUCTED UTILITIES WILL BE IN ACCORDANCE WITH THE 2021 MINOT SPECIFICATIONS SECTION 600.
- IRRIGATION MAIN PIPING AWWA C-900 DR 21 SHALL HAVE 8.0' OF COVER.

19. 18. 17. 16. 15 4. 13. 12.

> SCALE (H): N'A SCALE (V): N'A RAWN BY: ARB ESIGNED BY: JJA HECKED BY: SRV

ACKERMAN ESTVOLD 1907 17th St SE - Minot, ND 58701 701.837.8737 · www.ackerman-estvold.com Minot, ND | Fargo, ND | Willisten, ND | Boise, ID

LOPEZ LLC SHOP CONDOS NORHEIM HEIGHTS ADDITION LOT 2 MINOT, NORTH DAKOTA NOTES

SANITARY SEWER FACILITIES NOTES

- ALL CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH AHJ PUBLIC WORKS STANDARDS AND REQUIREMENTS, CONTRACTOR TO COORDINATE WITH PUBLIC WORKS FOR CONNECTION TO EXISTING SYSTEM.
- RECAST MANHOLES SHALL COMPROM TO THE STAMMARDS SET FORTH IN ACTI CATE-PRECAST REMISSIONED MANHOLE SECTIONS AND SHALL BE RESIGNED DOR RISERS SECTIONS SHALL BE INTEGRAL PRIP BOOTS, ALL MANHOLE SHALL BE INSTALLED WITH EXTERNAL CHINITYS SEALS, CRETEX AS OFFICIAL MANHOLE CALL MANHOLE DAYS SHALL BE WEAPED OFFICIAL SHALL BE NESTEAD FOR SECTIONED SHALL SH
- UNLESS OTHERWISE EXPLOITLY SPECIFIED, ALL FITTINGS SHALL BE DUCTILE IRON AND MECHANICALLY RESTRANED (MEGALUGS OR APPROVED EQUAL) WITH A MINIMUM WORKING PRESSURE OF 350 PSI..
- ALL NUTS AND BOLTS USED IN ANY SEWER LINE RESTRAINT, FITTING, OR VALVE SHALL BE 304 STAINLESS STEEL AND CARBON STAINLESS STEEL AND CARBON STEEL AND BOLTS MAY BE USED ON MECHANICALLY RESTRAINED
- ALL EXISTING SEWERLUNES SHALL REMAIN ACTIVE THROUGHOUT THE DURATION OF THE PROJECT, WITH EXCEPTION OF THE MINIMUM AMOUNT OF TIME REQUIRED TO TIE INTO THE EXISTING LIVES, WHERE NOTED. THE MINIMUM COVER FOR SEWER LINES SHALL BE AS CALLED OUT ON THE DRAWNIGS. SEWER LINES SHALL BE LAID TO THE GRADES AND ELEVATIONS INDICATED ON THE DRAWNIGS.
- CONTRACTOR SHALL INSTALL ANY TEMPORARY PUMPING NEEDED FOR SANITARY SEWER DURING COUSTRUCTION, TEMPORARY OR BYPASS PUMPING SHALL BE CONSIDERED INCIDENTAL TO OTHER PROJECT COSTS.

ALL COSTS ASSOCIATED WITH SHORING REQUIRED TO EXCAVATE ALONG THE SEWER MAIN ALIGNMENT SHALL BE INCLUDED IN THE PRICE BID PRICE FOR

- 9. TESTING SHALL BEGIN ONLY AFTER THE SYSTEM HAS BEEN CLEANED.
- TELEVISING: CONTRACTOR TO TELEVISE AND PROVIDE 2 DVD'S AND REPORT TO ENGINEER, ENGINEER WILL REVIEW VIDEO FOR ANY DEFICIENCIES.
- DEFLECTION TESTING. TESTING IS REQUIRED FOR ALL FLEXIBLE PIPE TYPES,
 [PV]. HDFL COF. ETC.). DEFLECTION TESTING SHALL DOLB, AT LEAST 30 DAYS.
 AFTER THE MAN HAS BEEN BACKFILLED TO ENISHED GRADE. TESTING SHALL BE
 DOME IN THE PRESENCE OF THE LOSINGHED. DEFLECTIONS SHALL BE
 DETERMINED BY THE USE OF A MANDREL.
- 11.1. MANDREL SHALL HAVE A MINIMUM DIAMETER EQUAL TO 98 PERCENT OF THE AVERAGE INTERALL DIAMETER OF THE PIPE. THE 5 PERCENT DEFLECTION SHALL INCLUDE DEFLECTION FROM BURBL AND MANUFACTURING.
- 11.2 MANDREIL SHALL BE CONSTRUCTION OF RIDGED STEEL, BE NON-ADJUSTABLE, AND HAVE AN ODD NUMBER OF LEGS (9 LEGS MINIMUM), ITS EFFECTIVE LENGTH SHALL NOT BE LESS THAT ITS NOMINAL DIAMETER,
- 11.3. OWNER RESERVES THE RIGHT TO MEASURE THE DEFLECTION AT ANY TIME DURING THE WARRANTY PERIOD. DEFLECTIONS GREATER THAN SPRICES HALL BE CONSIDERED A FAILURE AND THE CONTRACTOR MAY BE REQUIRED TO RE-EXCAVATE, REPLACE THE PDE IN RECESSARY, RECOMBACT THE BACKELL, AND RESTORE THE SURFACE WITH NO ADDITIONAL COSTS TO THE GOMERNE FOR SUCH MORE COMPACT.
- 12. LEAVAGE TESTING OF SENER MAINS THE LEAVAGE EXPLITATION OR RETURNING OF SENER MAINS THE LEAVAGE EXPLITATION OR RETURNING SALL NOT OCCEDS TO CALLONS PER NACH OF PRE DAMETER PER MAIL OF PRE PAS THE MAIN OF THE SYSTEM. THE WATER TABLE LEAVAGE SECTION OF THE SYSTEM AND THE WATER TABLE LAT OR BELOW THE INVEST THE MAIN OF SENER MAIN AS MASCHED FOR SEMERA MAIN AS MASCHED FOR SEMERA MAIN SHITHER WATER TABLE EXAMIN TO PASS SECTION OF THE PROPER SEMERA THE WATER TABLE EXAMIN TO PASS SECTION OF THE PASS MASCHED AT THE WATER THE CALLON TO PASS MASCHED THE WATER TABLE BE WATER TABLE BE WATER THE WATER THE CALLON TO PASS SECTION. OUR PRESSURE AT THE WATER TABLE SEGMENT SHE USED IN PLACE OF EXPLITATION TESTING AT THE CONTRACTORS DECRETION,
- 12.1. EXFILTRATION TEST
- PLUG THE UPSTREAM PIPE OR PIPES IN THE TEST MANHOLE AND THE LOWER SECTION OF THE SEWER MAIN TO BE TESTED.
- 12.1.2. FILL THE LINE AND ALL MANHOLES WITH WATER TO A DEPTH OF TWO FEET ABOVE THE CROWN OF PIPE IN THE TEST MANHOLE.
- LET THE WATER STAND FOR 24 HOURS TO ALLOW FOR ABSORPTION AND ESCAPE OF TRAPPED AIR.

12.1.3.

- 12.1.4. AFTER A PERIOD OF 24 HOURS HAS ELAPSED, REFILL THE SECTION TO THE ORIGINAL DEPTH.
- 12.1.5. ATTER AN ADDITIONAL ONE HOUR PERIOD HAS ELAPSED, REFILL THE TEST MANHOLE TO THE ORIGINAL DEPTH RECORDING THE TOTAL AMOUNT OF WATER NECESSARY (MEASURED IN GALLONS) FOR THE REFILL.

12.1.6. THE MAXIMIM ACCEPTABLE EXFILTRATION RATE SHALL BE 100 CALLONS PER INCH DAMETER PER MILE OF PIPE PER DAY (0,000789 GALLONS PER HOUR PER FOOT OF PIPE PER INCH DIMMETER) INCLUDING ALL MANHOLE AND SERVICE LINES.

INFILTRATION TEST

12.2.

- PLUG THE UPPER AND LOWER SECTION OF THE SEWER MAIN TO BE TESTED.
- THE MAXIMUM ACCEPTABLE INFILTRATION RATE SHALL BE 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY (0,000789 GALLONS PER INCH DIAMETER) INCLUDING ALL MANHOLES AND SERVICE LINES. COLLECT AND MEASURE THE FLOW OVER A SPECIFIED PERIOD OF TIME.

12.2.3. 12.2.2 12.2.1

12.3. LOW PRESSURE AIR TEST

- THE LOW PRESSURE AIR TEST SHALL BE CONDUCTED PER ASTM F-1417 AND AS PER THE FOLLOWING:
- PNEUMATIC PLUGS SHALL BE PLACED IN BOTH ENDS OF THE PIPE TO BE TESTED.
- PRESSURIZE THE SEWER MAIN TO 4 PSI ON THE TEST GAUGE AND ALLOW THE PRESSURE TO STABILIZE FOR A MINIMUM OF 2 MINUTES.
- WHEN THE TEST PRESSURE HAS STABILIZED TO ABOVE 3.5 PSI, REDUCE THE PRESSURE TO 3.5 PSI AND BEGIN THE TEST, IF THE PRESSURE CANNOT BE STABILIZED, THE TEST SHALL BE CONSIDERED FAILED.
- LEAKAGE TESTING OF MANHOLES: THE CONTRACTORS SHALL TEST THE MANHOLE BY EITHER THE WATER TEST OR THE VACUUM TEST.

12.4.

12.3.4. 12.3.3. 12.3.2. 12.3.1.

12.4.1. WATER TEST

- 12.4.1.1. CONTRACTOR SHALL PULS ALL OPENINGS IN THE MANHOLE AND FILL THE MANDEL SHITH WITH THE AND TO AN ELECATION NOT GREATER THAN I POOT BELOW, JEED DINTO, AN ELECATION NOT GREATER CASTING, THE MANHOLE SHOULD BE FILLED AT LEAST A HOURS IN ADMANDS OF THE TEST OF ALL OWN THE MANHOLE MATERIAS. TO BECOME SATURATED THE MANHOLE SHALL THEN BE REFILLED TO THE DRIGHAL MANK AND THE TEST SHALL ER HANGLINGED FROM THE FIXED POINT AND THE LOSS OF WAITER DURNG THE TEST SHALL BE CALCULUL THE DEPARTMENT THE YOUR MAN THE WOULD OF WAITER ADDED TO MAKES THE MATER LENEL BACK TO THE ELEMATION AT THE START OF THE TEST.
- 12.4.1.2. THE ALLOWABLE LEAKAGE OF THE MANHOLE SHALL BE 0.55 GALLONS PER FOOT OF DEPTH ON 4 FOOT DIAMETER MANHOLES AND 0.55 GALLONS PER FOOT OF DEPTH ON 5 FOOT DIAMETER
- 12.4.1.3. SHOULD THE TEST FAIL, THE CONTRACTOR SHALL WATERPROOF THE MANHOLE BY GROUTING AND/OR OTHER METHODS AS APPROVED BY THE ENGINEER AND REPEAT THE TEST.

12.5. VACUUM TEST

- 12.5.1. THE VACUUM TEST (IF USED) SHALL BE COMPLETED PRIOR TO BACKFILLING THE MANHOLE.
- 12.5.2. ALL LIFT HOLES SHALL BE PLUGGED WITH AN APPROVED NO -SHRINK GROUT.
- ALL PIPES ENTERING THE MANHOLE SHALL BE PLUGGED TAKING CARE TO SECURELY BRACE THE PLUG FROM BEING DRAWN INTO THE MANHOLE.
- THE TEST HEAD SHALL BE PLACED AT THE INSIDE OF THE TOP OF THE CONE SECTION AND THE SEAL INFLATED IN ACCORDANCE WITH THE MANUFACTURE RECOMMENDATION.

12.5.4. 12.5.3.

A VACUM OF 10 INCHES OF MERCLIFY SHALL BE DRAWN AND THE VACUMM SHUT DEF, MINH THE YALVES ACCORED, THE TIME SHALL BE MEASURED FOR THE VACUM TO DROP TO 9 INCHES, THE MAHOLE SHALL FANSE IT HE MAHOLE SHALL FANSE IT HE MAHOLE ORBETTER THAN 60 SECONDS FOR 48 - DAWRITER, XT SECONDS FOR FOR DAWRITER AND 90 SECONDS FOR 72*

STORM SEWER FACILITIES NOTES

- ALL PIPING TO BE HDPE SMOOTH-WALLED (H-20 LOADING, ADS N-12) OR REINFORCED CONCRETE OR APPROVED EQUAL.
- JOINTS SHALL BE SOIL TIGHT. PIPE END SECTIONS (FES OR OTHER) SHALL BE AFFIXED TO THE LAST PIPE.
- ROOF DRAINAGE SYSTEM STRUCTURES (JUNCTION BOXES AND INLETS) SHALL BE AOS INLOPLAST HIDPE OR APPROVED EQUAL. STRUCTURES TO BE ANCHORED BELOW FROST LINE. (REF. ARCH & MEP PLANS)
- FLARED-END SECTIONS SHALL DISCHARGE ONTO RIP-RAP SPLASH PAD, REFERENCE CITY OF MINOT DETAIL, IF IT IS DETERMINED THAT ADDITIONAL PERMANENT ERGOSION CONTROL MEASURES ARE REQUIRED, CONTRACTOR TO NOTIFY ENGINEER & OWNER.

- CONTRACTOR SHALL OBTAIN AND SECURE ANY ADDITIONAL STORAGE OR WORK AREAS, OUTSIDE OF RIGHT OF WAY PROVIDED, IF NEEDED, THE CONTRACTOR IS RESPONSIBLE FOR ANY CONSTRUCTION FENCING NEEDED TO SECURE ANY SITE. COSTS SHALL BE INCIDENTAL TO THE PROJECT.
- CONTRACTOR SHALL NISTALL ANY TEMPORARY PUMPING NEEDED DURING CONSTRUCTION, THIS PUMPING SHALL BE NICLUDED IN THE BID ITEM FOR DEWATERING OR BYPASS PUMPING DEPENDING ON THE NATURE OF THE WORK AND WILL BE PAID PER UNIT PRICE.
- ALL PITS AND EXCANTIONS SHALL BE FILLED NIGHTLY, WHERE EXCANATIONS OR PITS REMAIN OPEN OMENIGHT, THE CONTRACTOR SHALL BE REQUIRED. TO SECURE THE PERMISHER OF THE OPEN AREA WITH STANDARD SAFETY PROGE OR EQUAL TYPE TENDRAG SAFETY PENCHES SHALL BE INSTALLED IN JALL CONTROLS ACCUSED. LET OPEN DESTRUMAN WHERE THE VERTICUL ADPOPOFTS OR SHALLED IN HALL CONTROLS ACCUSED. ALL COSTS FOR SAFETY FENCING SHALL BE INSTALLED BY ALL COSTS FOR SAFETY FENCING SHALL BE INCIDENTAL TO OTHER BIO TEALS.
- CONTRACTOR REQUIRED TO IDENTIFY, LOCATE, AND DETERMINE SIZE, MATERIAL, AND ELEVATION OF ALL EXISTING UTILITIES THAY WILL BE, AFFECTED BY PROJECT UTILITY WORK PROJE TO THE START OF CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER OF ANY CONCERNS,
- THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS AND PRODUCT SUBMITTALS TO THE KNOWLER POR VERIFICATION AT LEAST TEN (10) WORKING DAYS PRIOR TO THEIR INSTALLAND. THE CONTRACTORS SHALL NOT PROCEED WITH INSTALLATION WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

WATER FACILITIES NOTES

- ALL PRODUCTS THAT MAY COME INTO CONTRCT WITH WATER INTENDED FOR USE IN PUBLIC WATER SYSTEMAND SHADOW.

 IS NAME OF THE SYSTEMAND SHADOW.

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 IN WATER OF SYSTEMAND SHADOW.

 IN SCRIPTED BY MSF, INDEPRIFIEDS LABORATORIES.

 IN SCRIPTED BY MSF, INDEPRIFIEDS LABORATORIES.

 ORGANIZATION ACCESSITED BY AND TO TEST MOD CERTIFY SHOP PRODUCTS.

 (ALU WATER O DISTRICT FRANCHISE AREA, SPECS PRESIDE)

4. w

- ALL WATER MAIN FITTINGS SHALL BE DUCTILE IRON (DI) AND MECHANICALLY RESTRAINED (MEGALUGS OR APPROVED EQUAL) WITH A MINIMUM WORKING PRESSURE OF 250 PSI, ALL VALVES AND FITTINGS SHALL BE EPOXY COATED,
- WATER MANS SHALL BE PRESSURE TESTED AS STATED IN THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL NECESSARY TESTING CONNECTIONS AND EQUIPMENT. ALL COSTS SHALL BE INCIDENTAL TO OTHER BID ITEMS.
- ALL WATER LINE PIPING, FITTINGS, AND RELEVANT APPURTEWANCES, NOLLDIANG EXISTING PIPING THAT IS TO REAMA WHICH WAS DELIBRIED BY CONSTRUCTION SHALL BE DISNIFECTED ACCORDING TO THE LATEST EDITION OF AWAYA COST. DISNIFECTION OF WATER AWAS, TWO OR NOPE SUCCESSENT, SAMPLES, TAKEN AT 74-HOUR INTERVALS, SHALL BE COLLECTED PROPATO THE WATER MAN, BING PLACED INTO DEFAUTON, ALL TESTING SHALL BETHE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO ALL OTHER TEAMS.
- THRUST BLOCKING SHALL BE REQUIRED IN ADDITION TO RESTRAINED FITTINGS. THRUST BLOCKS SHALL BE EITHER CAST-IN-PLACE OR PRECAST AS SHOWN ON DETAILS OR AS DIRECTED IN THE FIELD BY THE ENGINEER, THRUST RESTRAINTS
- BID TEMS FOR HYDRANTS SHALL INCLUDE HYDRANT, GATE VALVE, TEE, AND FEEDER PHYOL, HYDRANTS SHALL BE PACER MODEL AS MANUFACTURED BY WATEROUS, HOSE THREAD PATTERN TO MATCH LOCAL FIRE DISTRICT JURISDICTION AND COORDINATED PRIOR TO SHOP SUBMITTALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR METHOD OF WATER MAIN CONSTRUCTION, OPEN CUT OR DIRECTIONAL DRILLING SHALL BE ACCEPTABLE METHODS, CONTRACTOR SHALL MOTH'P KENNERR OF INTENDED CONSTRUCTION METHODS PRIOR TO INSTALLATION.
- EXISTING SANITARY SEWER MAINS AND SERVICES SHALL BE TELEVISED IF WATER MAIN INSTALLED BY DIRECTIONAL DRILLING CROSSES THE SEWER TELEVISING SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS.

- ALL EXISTING WATER AND SEWER LINES SHALL REMAIN ACTIVE THROUGHOUT THE DURATION OF THE PROJECT, WITH THE EXCEPTION OF THE MINIMUM AMOUNT OF TIME REQUIRED TO TIE INTO THE EXISTING LINES, WHERE NOTED.
- THE CONTRACTOR SHALL CONTACT THE LITLITY COMPANIES TO COORDINATE ANY RELOCATION OF TEMPORARY RESOUREMENTS. ANY REACHINE, SHAVE AND REPUGEMENT OR RELOCATION OF UTILITY LINES OR POLES SHALL BE AT THE OWNER'S EXPENSE PER SEPARATE CONTRACT WITH THE UTILITY COMPANIES.

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH AHI WATER DISTRICT STANDARDS AND REQUIREMENTS AND CITY OF MINOT STANDARDS AND SPECIFICATIONS.
- ALL WATER MAINS SHALL BE C900 PVC DR-18, UNLESS OTHERWISE NOTED.
- THE MINIMUM COVER FOR ALL WATER MAINS SHALL BE 8,5 FEET, WATER LINES SHALL BE LAID OUT TO THE GRADES AND ELEVATIONS INDICATED ON THE PLANS UNLESS OTHERWISE APPROVED BY THE ENGINEER IN THE FIELD.

- DUCTILE IRON FITTINGS SHALL BE MANUFACTURED IN ACCORDANGE WITH ANSIMAWAN, C110A21:10 DR ANWAN, C153, ALL DUCTILE IRON FITTINGS SHALL BE ENCASED IN 8-MIR POLYCTHYR-LEN WRAP (CLASS, C, BLACK, TUBE FORM) AND CONFORM TO AWW C105/421,5 AND ASTM A674.
- DETAILS OR AS DIRECTED IN THE FIELD BY THE ENGINEER SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL TO BE USED TO CONNECT TO EXISTING WATER MAINS, CONTRACTOR SHALL VERIEY SIZE AND MATERIAL OF EXISTING WATER MAINS AND NOTIFY ENGINEER FOR RECORD INFORMATION.

DATE APPR

- TRANSITION COUPLINGS SHALL BE ROMAC AND CONFORM TO AWWA C219 UNLESS OTHERWISE NOTED.
- THE OWNER SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY PLANNED DISRUPTION IN WATER SERVICE, THE OWNER SHALL APPROVE OF ANY DISRUPTION IN SERVICE PRIOR TO OCCURRING.
- 16. ALL WATER LINE INSTALLATION SHALL HAVE TRACER WIRE INSTALLED.

WATERMAIN & SERVICE TESTING

- 11. TESTING OF BACTERIOLOGICAL SAMPLES SHALL BE PERFORMED BY A STATE OF NORTH AMON'A CHEFTEED TESTING, ALDRIWATORY, ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.

 1.1. HONGOSTATIO TESTING
 1.1. AMINTAN 150 PSI FOR 2 HOURS WITH NO PRESSURE DROP (POTABLE AND FREELING TO BE DONE ON MANUSEGMENTS FROM VALVE TO VALVE, 1,200 TESTING TO BE DONE ON MANUSEGMENTS FROM VALVE TO VALVE, 1,200 TESTING TO BE DONE ON MANUSEGMENT SHOWN VALVE TO VALVE, 1,200 TESTING TO BE DONE ON MANUSEGMENT SHOWN VALVE TO VALVE, 1,200 TESTING TO BE DEFENDED TO MANUSE MEMORY SECONDAY.

1.2. 1.2.1.

FEET.
TWO (2) CONSECUTIVE PASSING TESTS 24 HOURS APART FOR EACH SEGMENT.

DISINFECTION AND TESTING

- . GENERAL
 1.1. CONTRACTOR MUST PERFORM ALL HYDROSTATIC TESTING AND DISINFECTION.

- DORNITION, WAS TENTOWA ALL THOUSENING AND

 1. ENGINEER MUST SELECT AND VERRITY ALL TESTS, A 48 HOUR

 2. POTALE MUST BE OVER TO FILL PIPE FOR TESTING AND SERVICE

 3. HYDROSTINIO PRESSURE TEST

 3.1. HYDROSTINIO PRESSURE TEST

 3.2. CEST DURATION 2 HOUSE AND SERVICE

 3.3. HYDROSTINIO PRESSURE TEST

 3.4. HYDROSTINIO PRESSURE TEST

 3.5. ALL WATER WAS BE USED TO FILL PIPE FOR TESTING AND SERVICE

 3.6. ALL WATER WAS BED TO FILED LUBELED IN 1 LB OR 2 LB INCREMENTS.

 3.6. ALL WATER WAS BED TO FILED LUBELED IN 1 LB OR 2 LB INCREMENTS.

 3.6. ALL WATER WAS BED TO FILED LUBELED IN 1 LB OR 2 LB INCREMENTS.

 3.6. ALL WATER WAS BED TO FILED LUBELED IN 1 LB OR 2 LB INCREMENTS.

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 4. CHORING SOLUTION, SHALL BEACH HOUSE WATER WANNS ON ANY AND ANXIAMMOR 258 POWER.

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- 2 = (LD)P)Y48,000
 2 = ALOWABLE LEAKAGE
 0 = ALLOWABLE DAMETER OF PIPE IN INCHES
 L = LENGTH L DAMETER OF PIPE IN PSI.
 P = AVERAGE TEST PRESSURE IN PSI.

LOPEZ LLC SHOP CONDOS

NORHEIM HEIGHTS ADDITION LOT 2

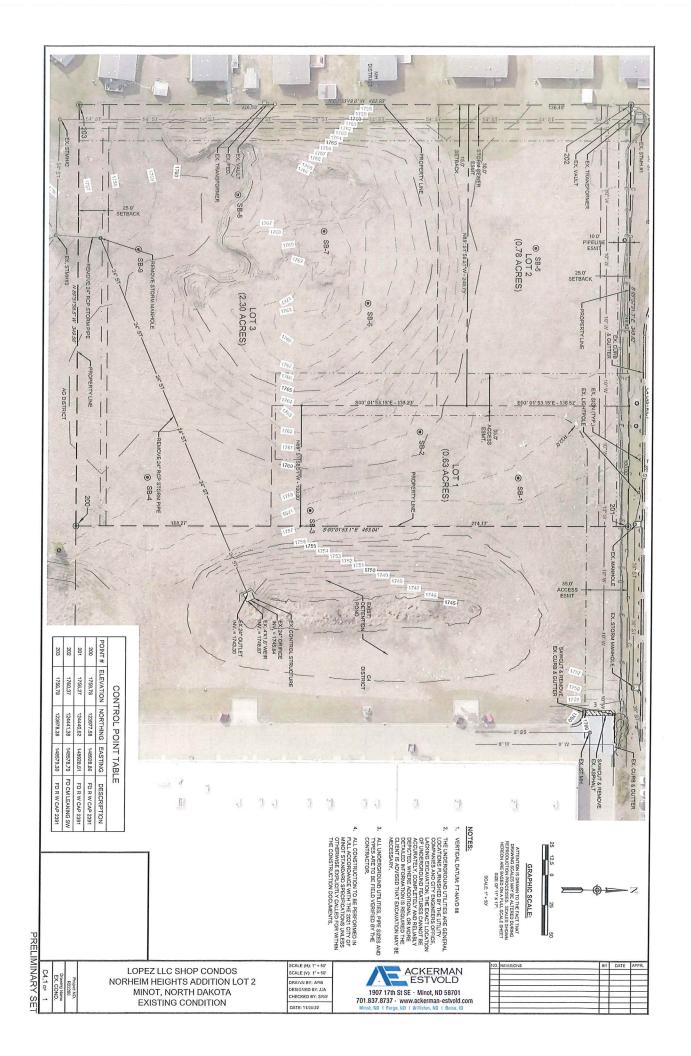
MINOT, NORTH DAKOTA

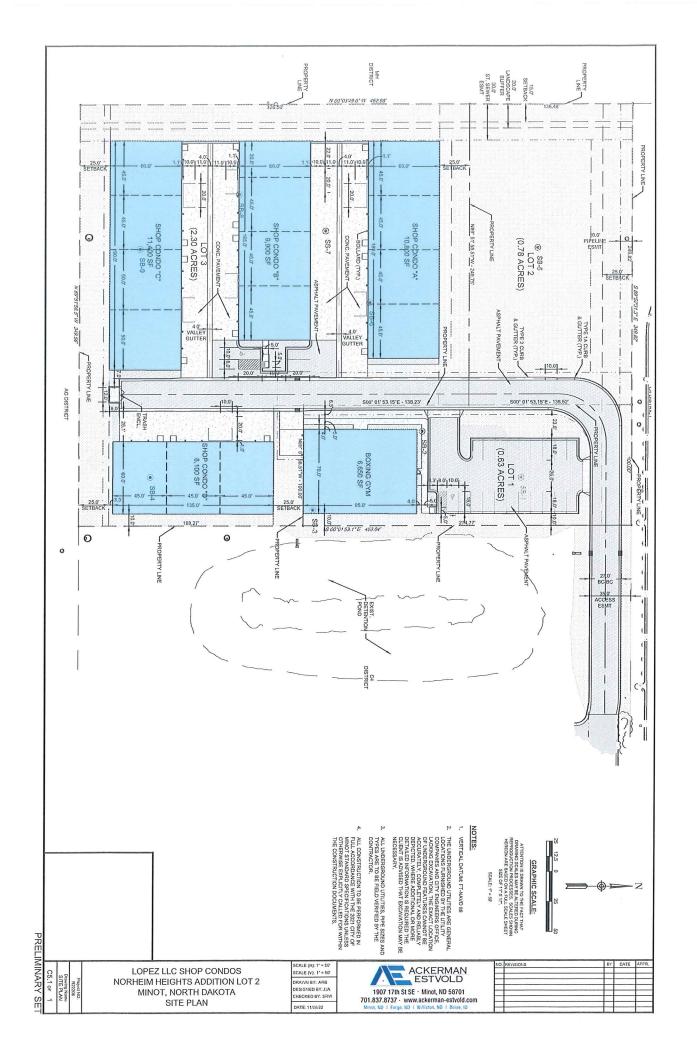
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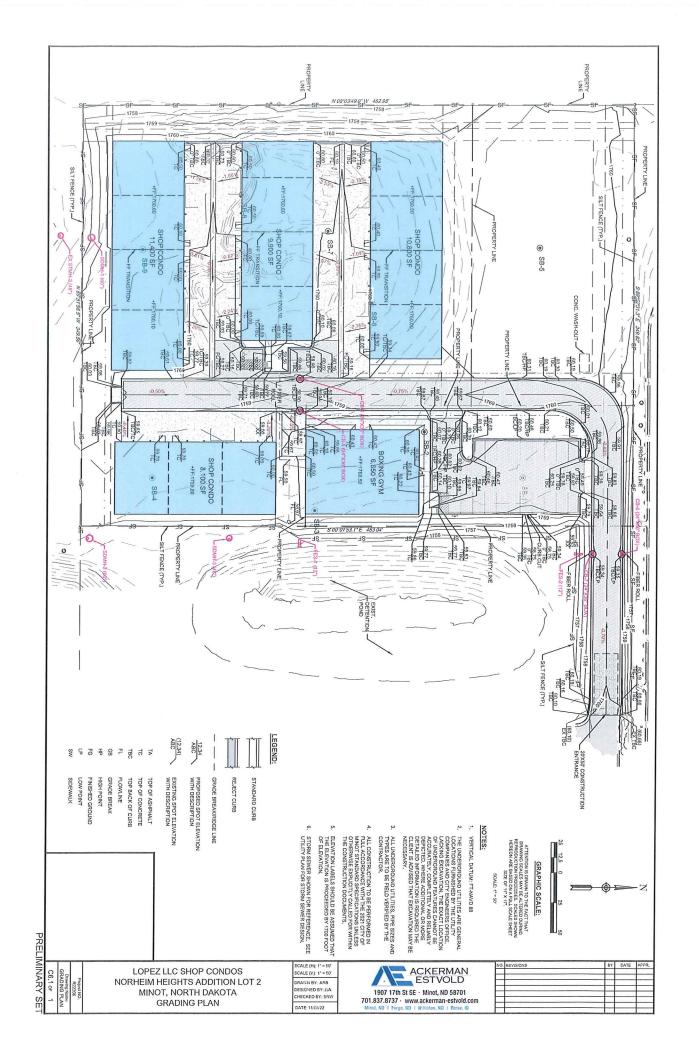
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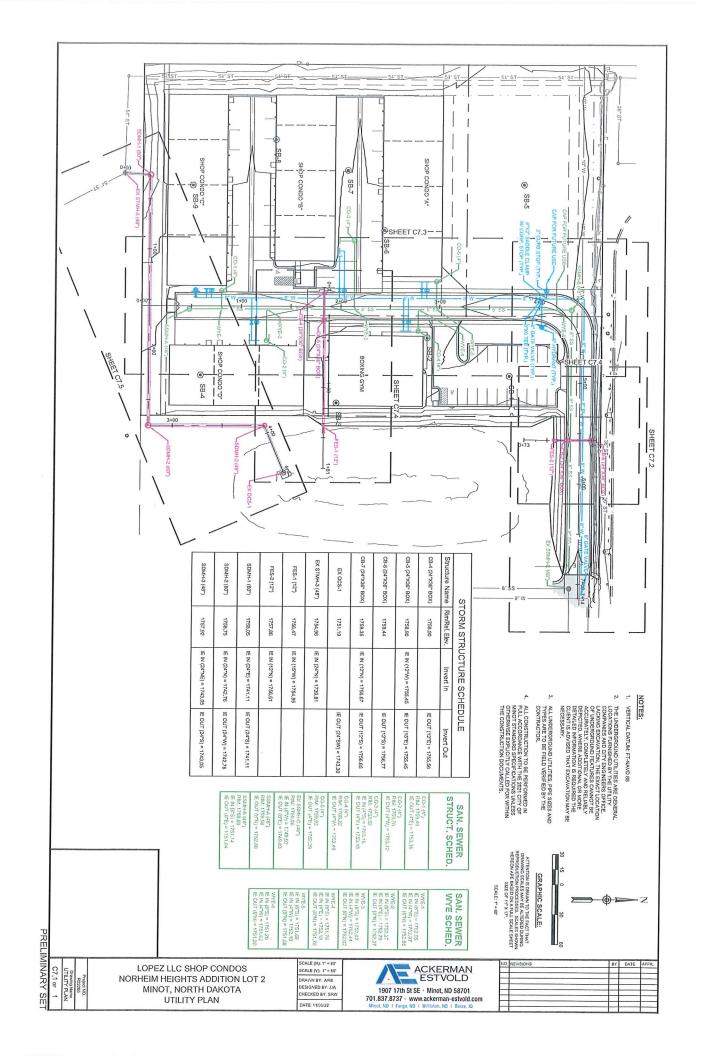
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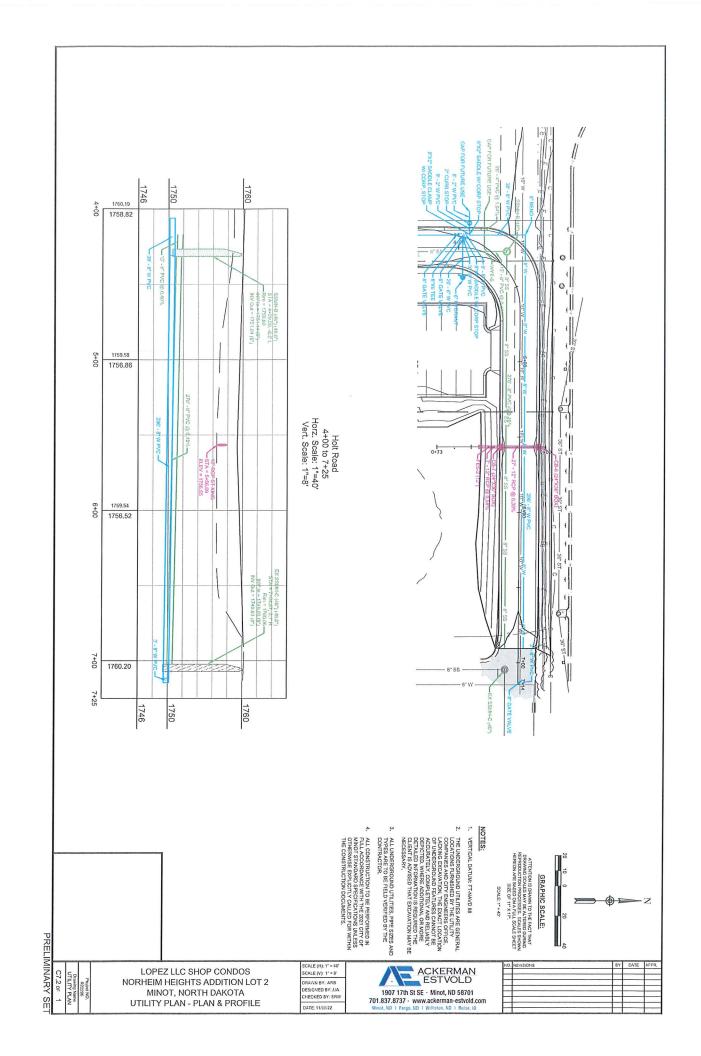
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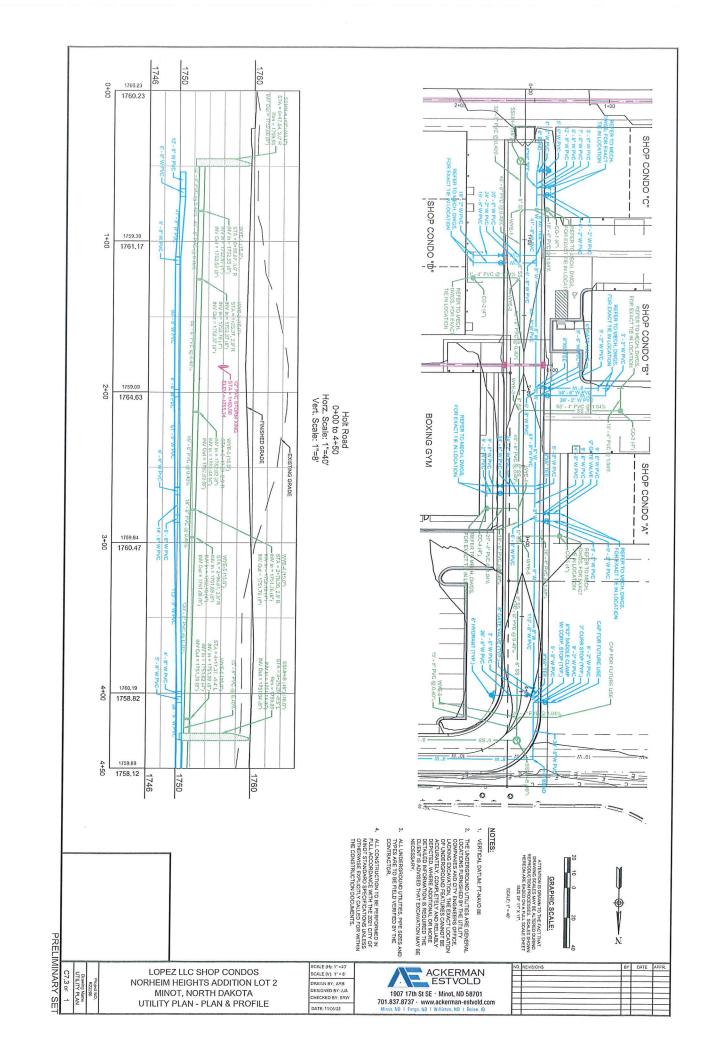


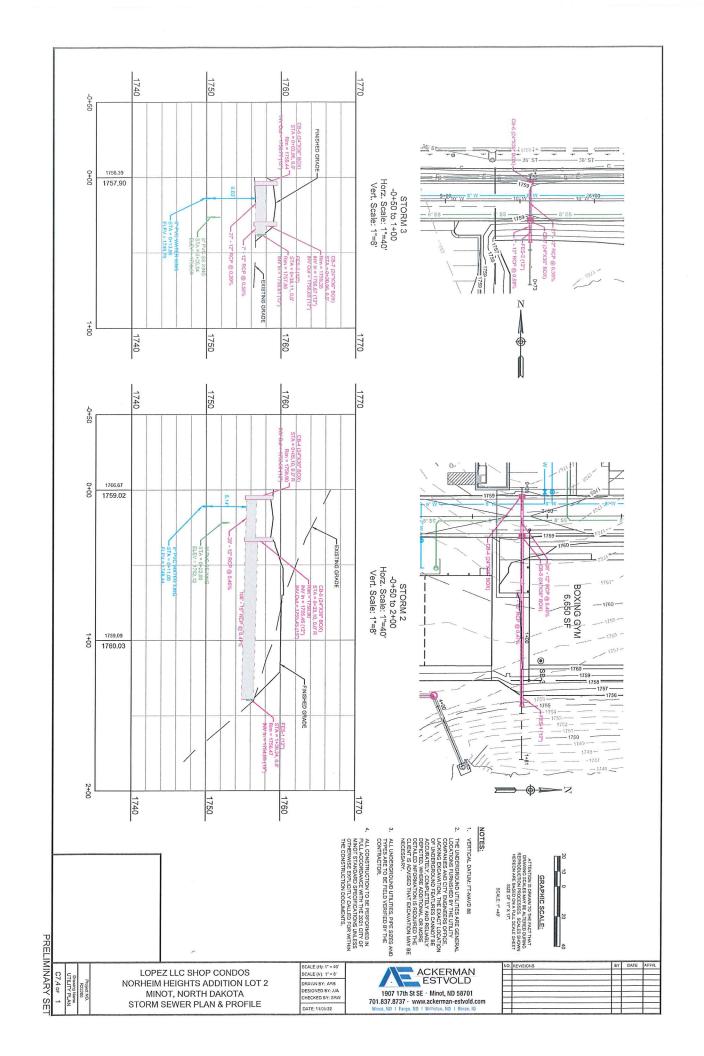


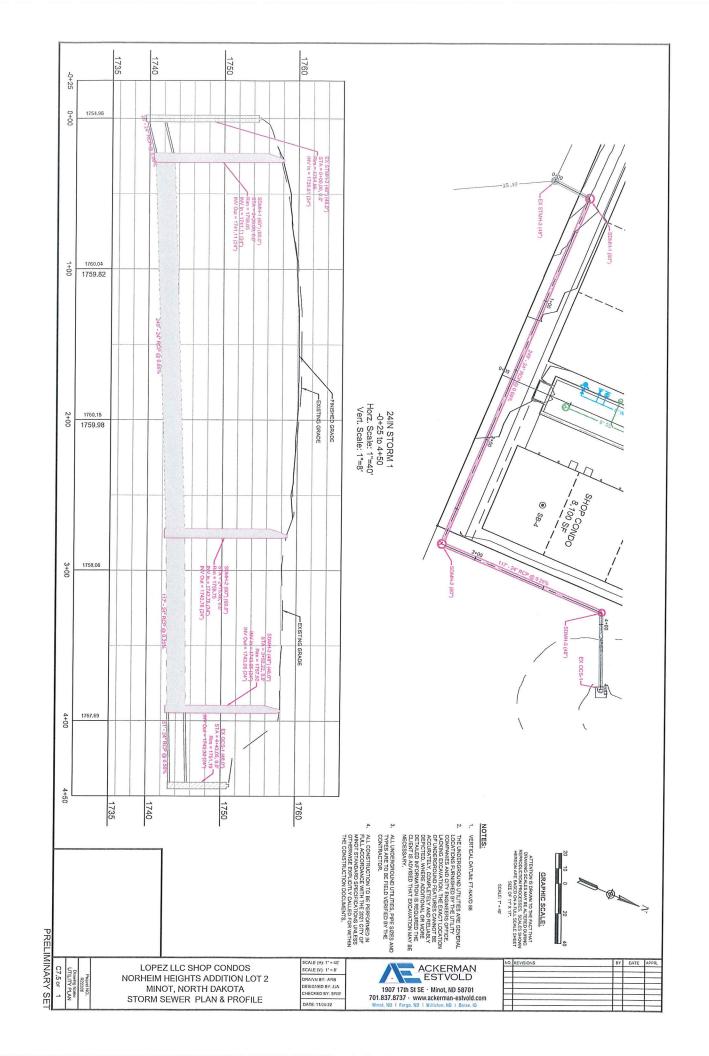


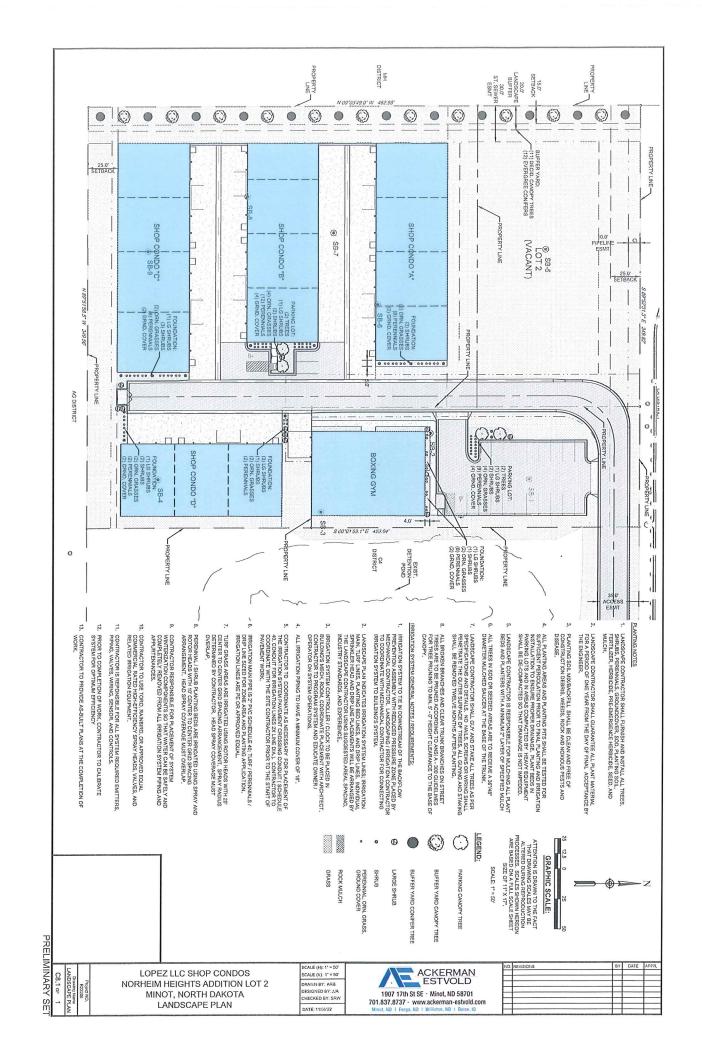












2"-3" BERM TO RETAIN MOISTURE -TOP OF ROOTBALL AT SURFACE OR 1" - 2" ABOVE GRADE REMOVE PLASTIC CONTAINER.
SCORE ROOT BALL 3 TYPICAL SHRUB PLANTING DETAIL C5.2 NO SCALE AMENDED SOIL BACKFILL -2"-3" MULCH LAYER

PLANT CATEGORY TYPE

UB, LARGE

5 GAL. MIN. 5% REQ'D
2 GAL. MIN. 10% REQ'D
2 GAL. MIN. 10% REQ'D
1 GAL. MIN. 25% REQ'D
1 GAL. MIN. 25% REQ'D

E CAN BE ANY SELECTED

40% REQ'D

18

25

105 43

C8.2 or 1
PRELIMINARY SET

Project NO. R22206 Drawing Name LANDSCAPE PLAN





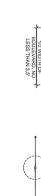
DOUBLE STRAND 12 GAUGE WIRE TWISTED TAUT	NYLON TREE STRAPS SECURED LOOSELY, TREE SHOULD BE ABLE TO SWAY	REMOVE TAG(S) UPON FINAL INSPECTION	C5.2 NO SCALE	1 TYPICAL CONTAINER O
SURFACE OR 1" - 2" ABC	TOP OF ROOTBALL AT S			TYPICAL CONTAINER CANOPY TREE PLANTING

PARALLEL TO PREVAILING WINDS REMOVE ALL WIRE, SCORE
ROOTBALL AND PULL BACK
TOP 1/3 OF BURLAP AND TWINE

4" BERM TO RETAIN MOISTURE PREVENT SETTLING

TREES REQUIRED

3" MULCH LAYER (MINIMAL MULCH NEAR NEAR TRUNK) TOP OF ROOTBALL AT SOIL -SURFACE OR 1" - 2" ABOVE GRADE CORRUGATED HD TREE GUARD



DATION COMPONENT

TOTAL PLANTS PROVIDED OARK SPACES
TOTAL PLANTS REQUIRED

23

STREET FACING FACADE OF BLDG. 240
FOUNDATION LA AREAS
TOTAL PLANTS REQUIRED

X STREET FACING FACADE OF BLDG, (ARE

TOTAL PLANTS PROVIDED

YARD COMPONENT

LESS 1	1/2 WI	
BOULEVARD, NO T LESS THAN 3.5'	DTH OF L	2X WIDTH OF
)	PREVAILING WIND

PARALLE TO PREVALING WINDS REMOVE CONTINUER UNLESS SPECIFIED BY RETAILER. AMENDED SOIL BACKFILL. AMENDED SOIL BACKFILL. 2X WIDTH OF ROOTBALL.	DOUBLE STRAND 12 GAUGE	SHOULD BE ABLE TO SWAY
TAMUCH LYRER (MINIMAL) MUICH LYRER (MINIMAL) MUICH LYRER (MINIMAL) MUICH LYRER (MINIMAL) MUICH LYRER TAMPERED DASE TO PREVENT SETTLING PREVAILING WINDS	SOIL SURFACE OR	/

20 SF PER PARKING SPACE, ONE (1) PLANT PER 20 SF,

TOTAL TREES PROVIDED | 2
ING LOT SUPPLEMENTAL LANDSCAPING REQUIRED:

ALT IF ONE (1) LG. CURB LA IS PROVIDED - REQ'D LA SF/300 SF

460

DECIDUOUS TREES

REMOVE TAG(S) UPON
FINAL INSPECTION
NYLON TREE STRAPS
SECURED LOOSELY, TREE
SHOULD BE ABLE TO SWAY

TREE GUARD

TREET TREE COMPONENT
EQUIRED: N/A
ARKING LOT TREE COMPONENT

SHOP CONDOS LANDSCAPE SUMMARY

NOT LAND DEVELOPMENT ORDINANCE, ADOPTED APRIL 5, 2021 (AMENDED FEBRUARY 2023), ARTICLE 7

Y TYPE SIZE	SUPPLEMENTAL LANDSCAPING		NIAL / ORNAMENTAL GRASSES DISTRIBUTION PER SUPPLEMENTAL LANDSCAPING % MULTIPLIERS	MENTAL / DECIDUOUS / CONIFER - OWNER CHOICE							/PONENTS	PROJEC	7		CONFERS	*20' BUI		
% MULTIPLIER	5		TRIBUTION PER SUPP	OWNER CHOICE								PROJECT TREE & PLANTING COUNT SUMMARY			RS.	*20' BUFFER YARD - AT LEAST 50% OF REQUIRED TREES SHALL BE EVERGREEN	TOTAL TREES PROVIDED	
			LEMENTAL LAND		27	23		4	0	REQ'D	TREE	OUNT SUMMARY				T 50% OF REQUIR	DED	
PARKING LOT	COMPONEN		SCAPING % MU		27	23		4	0	PRVD	т					RED TREES SHA	16	
FOUNDATION	COMPONENT PLANTING CATEGORY		LTIPLIERS		105		62	43		REQ'D	LANDSCAPING PLANTINGS					ILL BE EVERGE	TREES	
PLANT TOTAL	TEGORY /				105		62	43		PRVD	PLANTINGS					ĚΕΝ		
	"20" BUFFER YARD - AT LEAST 50% OF REQUIRED TREES SHALL BE EVERGREEN CONIFIERS.	TOTAL TREES PROVIDED 7 TREES	PROVIDED:	TOTAL TREES REQUIRED 7 TREES*	BOUNDRY LENGTH 136,48 7 TREES	GXXXXX. CNE(1) IXEE PEX 20 OF BUFFER YARD	RESIDENTIAL SITE, ENTIRE LENGTH OF BUFFER YARD LANDSCAPED WITH	LANDSCAPE BUFFER YARD ENTIRE LENGTH OF BOUNDRY ALONG THE	REQUIRED:	BOTTER YARD COMPONENT	REQUIRED: N/A (UNDEVELOPED)	FOUNDATION COMPONENT	REQUIRED: N/A (UNDEVELOPED)	PARKING LOT SUPPLEMENTAL LANDSCAPING REQUIRED:	REQUIRED: N/A (UNDEVELOPED)	PARKING LOT TREE COMPONENT	REQUIRED: N/A	The state of the s

17220	TREES*		ANDSCAPED WITH	PROPERTY, 20' WIDE			PLANTS		PLANTS	ST	F.	0) X 5 PLANTS REQ'D			PLANTS		PLANTS	SF					DECIDUOUS TREES
STREET TREE COMPONENT	MINOT LAND DEVELOPMENT ORDINANCE, ADOPTED APRIL 5, 2021 (AMENDED FEBRUARY 6, 2023), ARTICLE 7	LOT 2 (VACANT) LANDSCAPE SUMMARY		REQUIRED: N/A	BUFFER YARD COMPONENT	TOTAL PLANTS PROVIDED 14 PLANTS	PROVIDED:	TOTAL PLANTS REQUIRED 14 PLANTS	FOUNDATION LA AREAS 280 SF	STREET FACING FACADE OF BLDG, 70 LF	4' X STREET FACING FACADE OF BLDG, (AREA REQ'D/100) X 5 PLANTS REQ'D	REQUIRED:	FOUNDATION COMPONENT	TOTAL PLANTS PROVIDED 20 PLANTS	PROVIDED:	TOTAL PLANTS REQUIRED 20 PLANTS	PARK SPACES 20 400 SF	PER 20 SF.	20 SF PER PARKING	REQUIRED:	PARKING LOT SUPPLEMENTAL LANDSCAPING REQUIRED:	TOTAL TREES PROVIDED 2 DECIDUOUS TREES	PROVIDED:

	BOXING GYM LANDSCAPE SUMMARY	DSCAPE SL	MMARY	
MINOT 6, 2023	MINOT LAND DEVELOPMENT ORDINANCE, ADOPTED APRIL 5, 2021 (AMENDED FEBRUARY 6, 2023), ARTICLE 7	DOPTED AF	RIL 5, 202	21 (AMENDED FEBRUARY
STREE	STREET TREE COMPONENT			
REQUI	REQUIRED: N/A			
PARKI	PARKING LOT TREE COMPONENT			
REQUIRED:	RED:			
	ALT IF ONE (1) LG. CURB LA IS PROVIDED - REQ'D LA SF/300 SF	400	2	DECIDUOUS TREES
	TOTAL TREES REQUIRED		2	DECIDUOUS TREES
PROVIDED:	DED:			
	TOTAL TREES PROVIDED		2	DECIDUOUS TREES
PARKI	PARKING LOT SUPPLEMENTAL LANDSCAPING REQUIRED:	NG REQUIR	ED:	
REQUIRED:	RED:			
	20 SF PER PARKING SPACE, ONE (1) PLANT PER 20 SF.			
	PARK SPACES	20	400	SF
	TOTAL PLANTS REQUIRED		20	PLANTS
PROVIDED:	DED:			
	TOTAL PLANTS PROVIDED		20	PLANTS
FOUND	FOUNDATION COMPONENT			
REQUIRED:	RED:			
	4' X STREET FACING FACADE OF BLDG, (AREA REQ'D/100) X 5 PLANTS REQ'D	OG, (AREA F	EQ'D/100) X 5 PLANTS REQ'D
	STREET FACING FACADE OF BLDG.	70	70	LF
	FOUNDATION LA AREAS		280	SF
	TOTAL PLANTS REQUIRED		14	PLANTS
PROVIDED	DED:			
	TOTAL PLANTS PROVIDED		14	PLANTS
BUFFE	BUFFER YARD COMPONENT			
REQUI	REQUIRED: N/A			

NORHEIM MIN	EZ LLC SHOP CONDOS I HEIGHTS ADDITION LOT 2 IOT, NORTH DAKOTA LANDSCAPE PLAN





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YED	SCIENTIFIC NAME	COMMON NAME	SIZE	NOTES (mature size = hxw)
7	ILHALO.	IVORY HALO DOGWOOD	#3	5-6' x 5-6'
7	_ow	BUDS YELLOW DOGWOOD	#3	6-8' x 5-6'
	HYDRANGEA ABORESCENS 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	#3	4-5' x 3-5'
	JUNIPERUS HORIZONTALIS 'COMPACTA'	ANDORRA COMPACT JUNIPER	#3	18" x 3-5', EVERGREEN
	VIBURNUM EMERALD TRIUMPH	EMERALD TRIUMPH VIBURNUM	#3	5-6' x 5-6'
9	THUJA OCCIDENTALIS 'EMERALD GREEN'	EMERALD GREEN ARBORVITAE	#3	10-15' x 3-4"
23	TOTAL SHRUB COUNT			
ENENN				
PTP		COMMON NAME	SIZE	NOTES (mature size = hxw)
18	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	#3	4-5' x 2-3'
	ECHINACEA PURPUREA	POWWOW WILD BERRY CONEFLOWER	#3	16-20" x 12-16"
24	ECHINACEA "COLORBURST ORANGE"	COLORBURST ORANGE CONEFLOWER	#3	12-36" x 12-24"
	PEROVSKIA ATRIPLICIFOLIA "LITTLE SPIRE"	LITTLE SPIRE RUSSIAN SAGE	#3	12-24" x 12-24"
	HOSTA 'FIRE AND ICE'	FIRE AND ICE HOSTA	#3	15-22" x 22-26"
	HOSTA 'FRANCEE'	FRANCEE HOSTA	#3	21" x 40"
	HOSTA 'GOLDEN TIARA'	GOLDEN TIARA HOSTA	#3	16" x 36"
	HOSTA 'HUDSON BAY'	SHADOWLAND HUDSON BAY HOSTA	#3	20-24" x 20-24"
co	HOSTA 'PATRIOT'	PATRIOT HOSTA	#3	22-24" x 24-36"
8	HOSTA 'RAINBOWS END'	RAINBOW'S END HOSTA	#3	12" x 21"
82	TOTAL PERENNIAL COUNT			
REE SO	TREE SCHEDULE			
PF P	KEY SCIENTIFIC NAME	COMMON NAME	SIZE	NOTES (mature size = hxw)
4	AF ACER X FREEMANII SIENNA'	SIENNA GLEN MAPLE	1.5*	60' x 40'
Ci	AS ACER SACCHARUM 'BAILSTA'	FALL FIESTA SUGAR MAPLE	1.5*	50-75' x 50'
	AB AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLANCE'	AUTUMN BRILLIANCE SERVICEBERRY	1.5*	20-25' x 15'
	BR BETULA X 'ROYAL FROST'	ROYAL FROST BIRCH	1.5	30-40' x 15-20'
	CC CARPINUS CAROLINIANA	BLUE BEECH	1.5"	20-30' x 30'
	FP FRAXINUS PENNSYLVANICA 'PATMORE'	PATMORE ASH	1.5*	50-60' x 35'
	GB GINKGO BILOBA	GINKGO	1.5*	50' x 30', ZONE 4
6	GT GLEDITSIA TRICANTHOS VAR. INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	1.5*	50-60' x 30-35', ZONE 4
	MS MALUS 'SNOWDRIFT'	SNOWDRIFT CRAB	1.5*	15-20' x 20-25'
	PA PICEA ABIES	NORWAY SPRUCE	6' MIN	40-80' x 25-30', EVERGREEN
	PG PICEA GLAUCA DENSATA	BLACK HILLS SPRUCE	6' MIN	35-45' x 25-30', EVERGREEN
	PP PICEA PUNGENS	COLORADO BLUE SPRUCE	6' MIN	60' x 10-20', EVERGREEN
	PF PICEA PUNGENS 'FAT ALBERT'	FAT ALBERT BLUE SPRUCE	6' MIN	15' x 8-10', EVERGREEN
	PS PINUS STORBUS	EASTERN WHITE PINE	6' MIN	50-80" x 20-40", EVERGREEN
12	PP PINUS PONDEROSA	PONDEROSA PINE	6' MIN	50-70" x 25-30", EVERGREEN
	SR SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK LILAC	1.5"	25' x 15'
	TA TILIA AMERICANA	AMERICAN LINDEN	1.5"	75-90' x 45-50'
	TM TILLA X MONGOLICA 'HARVEST GOLD'	HARVEST GOLD LINDEN	1.5"	
		BRAIDIE EYDEDITION AMEDICAN ELM	1.5*	30-40' x 25-30'
	UL ULMUS AMERICANA 'LEWIS & CLARK'	LICENSIA CONTRACTOR CONTRACTOR		30-40' x 25-30' 55' x 60'
		ST. CROIX AMERICAN ELM	1.5*	30-40' x 25-30' 55' x 60' 60-75' x 70-90'

Project NO.
R22206
Drawing Name
LANDSCAPE PLAN
C8.3 OF 1

LOPEZ LLC SHOP CONDOS NORHEIM HEIGHTS ADDITION LOT 2 MINOT, NORTH DAKOTA LANDSCAPE PLAN SCALE (H): 1" = 50" SCALE (V): 1" = 50" DRAWN BY: ARB DESIGNED BY: JJA CHECKED BY: SRW DATE: 11/08/22



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