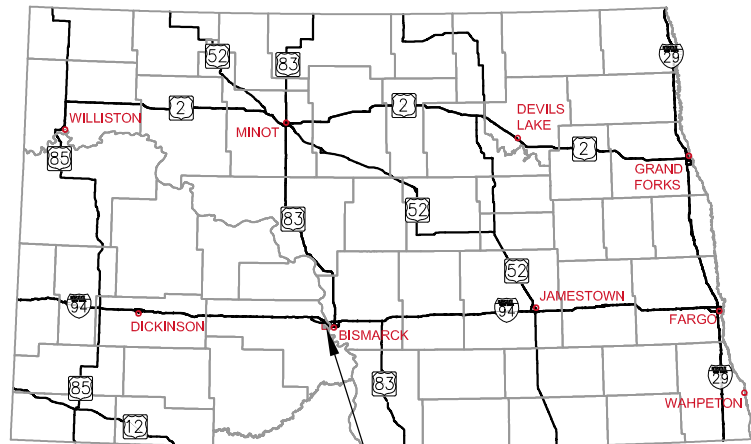


LAKWOOD 9TH ADDITION GRADING IMPROVEMENTS MANDAN, NORTH DAKOTA

SEPTEMBER 15, 2015



STATE OF NORTH DAKOTA PROJECT LOCATION



VICINITY MAP

NO SCALE

INDEX OF SHEETS

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UTILITY COMPANIES

GAS:
MONTANA-DAKOTA UTILITIES CO.
308 1ST STREET NW
MANDAN, ND 58554
PH: 701-663-8713

CITY OF MANDAN
PUBLIC WORKS DEPARTMENT
411 6TH AVENUE SW
MANDAN, ND 58554
PH: 701-667-3240
JEFF WRIGHT

ELECTRIC:
MOR-GRAN-SOU ELECTRIC COOP. INC.
2816 37TH ST. NW
MANDAN, ND 58554
PH: 701-663-0297

CABLE:
MIDCONTINENT COMMUNICATIONS
719 MEMORIAL HIGHWAY
BISMARCK, ND 58501
PH: 1-800-888-1300

PHONE:
CENTURYLINK
1101 16TH STREET NE
MANDAN, ND 58554
PH: 701-222-6820

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ONE CALL
BEFORE DIGGING
1-800-795-0555

BASIS OF SURVEY

ALL CONTOURS, ELEVATIONS, AND COORDINATES FOR THE PROJECT ARE BASED ON NAD83 STATE PLANE COORDINATE SYSTEM, NORTH DAKOTA SOUTH ZONE INTERNATIONAL FEET, AND NAVD 88.

3203 32ND AVE S, SUITE 201
FARGO, ND 58103
PH: 701.232.5353
FAX: 855.288.8055
www.kljeng.com



KLJ PROJECT NO. 14615136



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PROJECT NUMBER	14615136
ISSUE DATE	9/15/15

LAKWOOD 9TH ADDITION
 VE LAND COMPANY LLC.
 MANDAN, NORTH DAKOTA
LEGEND & ALIGNMENT TABLES
 SHEET
2

LEGEND		
EXISTING	ITEM	PROPOSED
	WATER MAIN	
	FIRE HYDRANT	
	GATE VALVE	
	CURB STOP	
	BEND	
	TEE	
	CROSS	
	REDUCER	
	WATER MANHOLE	
	SPRINKLER HEAD	
	WATER METER	
	SANITARY SEWER MAIN	
	SANITARY MANHOLE	
	CLEANOUT	
	STORM SEWER MAIN	
	STORM SEWER MANHOLE	
	CURB INLET	
	CATCH BASIN	
	UNDER GROUND ELECTRIC	
	OVERHEAD ELECTRIC	
	POWER POLE	
	GUY WIRE	
	LIGHT POLE	
	ELECTRICAL JUNCTION BOX	
	ELECTRICAL METER	
	ELECTRICAL OUTLET/PLUG-IN	
	UNDERGROUND TELEPHONE	
	TELEPHONE MANHOLE	
	TELEPHONE PEDESTAL	
	UNDERGROUND CABLE TV	
	CABLE TV PEDESTAL	
	GAS METER	
	GAS LINE	
	FUEL LINE	
	CONCRETE CURB & GUTTER	
	EDGE OF ASPHALT SURFACE	
	EDGE OF GRAVEL SURFACE	
	BITUMINOUS/CONCRETE SURFACE	
	BUILDING	
	SILT FENCE	
	CHAIN LINK FENCE	
	WOOD FENCE	
	BARB WIRE FENCE	
	TREES CONIFEROUS/ DECIDUOUS	
	BUSH	
	CULVERT	
	DRAINAGE DIRECTION	
	SIGN	
	MAIL BOX	
	PROPERTY PIN	
	CONTROL POINT	

ALIGNMENT TABLE - 21ST STREET SE

Number	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point
1	Line	357.539'		N44° 51' 42.00"E	0+00.00'	3+57.54'				1881618.0255',415004.8005'	1881870.2325',415258.2283'
2	Curve	663.517'	833.000'		3+57.54'	10+21.06'	45.6383 (d)	646.115'	N67° 40' 51.00"E	1881870.2325',415258.2283'	1882467.9420',415503.6005'
3	Line	1328.944'		S89° 30' 00.00"E	10+21.06'	23+50.00'				1882467.9420',415503.6005'	1883796.8355',415492.0034'

ALIGNMENT TABLE - AMITY CIRCLE SE

Number	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point
1	Line	381.907'		N0° 14' 31.00"W	45+00.00'	48+81.91'				1882324.5858',415458.9724'	1882322.9732',415840.8760'
2	Curve	106.814'	68.000'		48+81.91'	49+88.72'	90.0000 (d)	96.167'	N44° 45' 29.00"E	1882322.9732',415840.8760'	1882390.6854',415909.1625'
3	Line	170.000'		N89° 45' 29.00"E	49+88.72'	51+58.72'				1882390.6854',415909.1625'	1882560.6839',415909.8804'
4	Curve	106.814'	68.000'		51+58.72'	52+65.54'	90.0000 (d)	96.167'	S45° 14' 31.00"E	1882560.6839',415909.8804'	1882628.9704',415842.1681'
5	Line	384.465'		S0° 14' 31.00"E	52+65.54'	56+50.00'				1882628.9704',415842.1681'	1882630.5939',415457.7068'

ALIGNMENT TABLE - 34TH AVENUE SE

Number	Type	Length	Radius	Direction	Start Station	End Station	Delta angle	Chord length	Chord Direction	Start Point	End Point
1	Line	548.014'		S0° 12' 04.13"E	25+00.00'	30+48.01'				1881291.9101',416131.4602'	1881293.8340',415583.4493'
2	Curve	196.311'	250.000'		30+48.01'	32+44.33'	44.9911 (d)	191.306'	S22° 38' 34.00"E	1881293.8340',415583.4493'	1881367.4838',415406.8887'
3	Line	755.875'		S45° 08' 18.00"E	32+44.33'	40+00.00'				1881367.4838',415406.8887'	1881903.1153',414873.8375'

BASIS OF SURVEY

ALL CONTOURS, ELEVATIONS, AND COORDINATES FOR THE PROJECT ARE BASED ON NAD83 STATE PLANE COORDINATE SYSTEM, NORTH DAKOTA SOUTH ZONE INTERNATIONAL FEET, AND NAVD 88.

ESTIMATED QUANTITIES			
Item No.	Description	Unit	Quantity
1	MOBILIZATION	LS	1
2	SILT FENCE	LF	8419
3	INLET PROTECTION	EA	18
4	ROCK CONSTRUCTION ENTRANCE	LS	1
5	UNCLASSIFIED EXCAVATION	CY	178556
6	TOPSOILING	CY	47096
7	SEEDING TYPE I	ACRE	53
8	MULCHING	ACRE	53

FOR THE PURPOSE OF CALCULATING EARTHWORK QUANTITIES, IT HAS BEEN ASSUMED THAT THERE IS APPROXIMATELY 6" OF EXISTING TOPSOIL THAT WILL BE NEED TO BE SALVAGED, STOCKPILED AND SPREAD AFTER ENBANKMENT IS COMPLETED.

BENCHMARKS

PT #	DESCRIPTION	NORTHING	EASING	ELEVATION
11	MA NAIL IN ASPHALT #154	416073.473	1881325.653	1637.066
13	3/4" RBR LATA 5008	414878.664	1883085.464	1635.584
400	2 1/2" AL CAP IN MON. BOX	416112.792	1883763.046	1634.374
404	YLW CAP LS 4623	415115.200	1883473.954	1639.669
405	3" BRASS CAP	416101.722	1881119.378	1636.951
406	1" AL CAP RLS 2615	414788.122	1881622.916	1637.288

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GENERAL

- ALL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS; THE CITY OF MANDAN STANDARD SPECIFICATIONS AND DETAILS; AND THE CONSTRUCTION DOCUMENTS TITLED PLAINVIEW HEIGHTS 14TH ADDITION STREET IMPROVEMENT PROJECT 2013-12 DISTRICT 180, MANDAN, NORTH DAKOTA.
- THESE NOTES APPLY TO THE ENTIRE PROJECT EXCEPT AS INDICATED OTHERWISE. CONTRACTOR SHOULD NOTE THAT ADDITIONAL CONSTRUCTION NOTES ARE INCLUDED ON INDIVIDUAL DRAWINGS.
- THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
- REQUESTS BY THE CONTRACTOR OR OWNER SHALL BE APPROVED IN WRITING BY THE ENGINEER AND CITY PRIOR TO IMPLEMENTATION.
- ANY ERRORS OR OMISSIONS DISCOVERED BY THE CONTRACTOR IN THE PLAN SET SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER WHEN DISCOVERED. THE CONTRACTOR SHALL ALLOW TIME FOR CLARIFICATION.
- ITEMS NOT INCLUDED IN THE PLANS AS A PAY ITEM BUT INCLUDED ELSEWHERE IN THE PLANS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND SHALL BE CONSIDERED INCIDENTAL ITEMS.
- THIS PLAN SET HAS A LIST OF GENERAL ABBREVIATIONS AND SYMBOLS AND MATERIALS LEGENDS LISTED ON IT. SOME SYMBOLS, MATERIALS AND ABBREVIATIONS MAY NOT BE UTILIZED ON THIS SPECIFIC PROJECT.
- THE CONTRACTOR SHALL PROVIDE A ONE (1) WEEK NOTICE TO THE ENGINEER, OWNER AND THE CITY OF MANDAN PRIOR TO BEGINNING ANY CONSTRUCTION.
- ALL DITCH GRADES, CONTOURS AND CROSS SECTIONS REPRESENT THE FINISHED GRADE (TOP OF THE TOPSOIL). IN AREAS WHERE TOPSOIL IS TO BE PLACED, THE GRADING SHALL BE COMPLETED BY CUTTING OR FILLING EARTHWORK TO A POINT 6 INCHES BELOW THE FINAL GRADE; WITH TOPSOIL BRINGING THE GRADING TEMPLATE TO FINISHED GRADE ELEVATIONS. THE EARTHWORK SHALL BE CONSTRUCTED TO THE LINES AND GRADES AS SHOWN ON THE PLANS.

PROTECTION OF EXISTING UTILITIES AND MONUMENTS

- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR IT'S REPRESENTATIVES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. UNDERGROUND LOCATES MAY BE MADE USING THE "ONE CALL" NUMBER 1-800-795-0555 OR 811.
- WHERE EXISTING UTILITY WIRES (TELEPHONE, ELECTRIC) ARE LOCATED ADJACENT TO OR ABOVE THE PROPOSED WATER OR SEWER MAIN, THE CONTRACTOR SHALL TEMPORARILY SUPPORT EXISTING WIRES AND INSTALL MAIN PIPING UNDER EXISTING WIRES. ANY DECISION TO HAVE THE EXISTING UTILITIES MOVED WILL BE AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS. MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.

REMOVALS

- MISCELLANEOUS ITEMS SUCH AS AND NOT LIMITED TO: MAILBOXES, STREET LIGHTS, TRAFFIC LIGHTS, SIGNS, FENCES, POLES, ETC. SHALL BE PROTECTED OR REMOVED AND REINSTALLED BY THE CONTRACTOR WITH THE OWNER'S AND PROPERTY OWNER'S PERMISSION, AND THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- ANY EXISTING STRUCTURES DISTURBED BY CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL LOCATION AND CONDITION. ALL STRUCTURES SUCH AS CURB AND GUTTER, CONCRETE AND BITUMINOUS SIDEWALKS, PAVING BRICKS, FENCING, RETAINING WALLS, ETC., CROSSED BY THE PROPOSED WATER, SEWER, CULVERTS AND ROADWAYS MAY NOT BE INDICATED.
- EXCESS EXCAVATED MATERIAL INCLUDING PIPE, STUMPS, ROOTS, SOIL MATERIALS AND ANY OTHER ITEMS THE OWNER DOES NOT WISH TO SALVAGE SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY, INCIDENTAL TO THE CONTRACT. ASPHALT AND CONCRETE SHALL BE DISPOSED OF OFFSITE AT A LICENSED LANDFILL, INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL FULL DEPTH SAW CUT ALL CURB AND GUTTER, SIDEWALK, AND PAVEMENT PRIOR TO REMOVAL.

GRADING NOTES

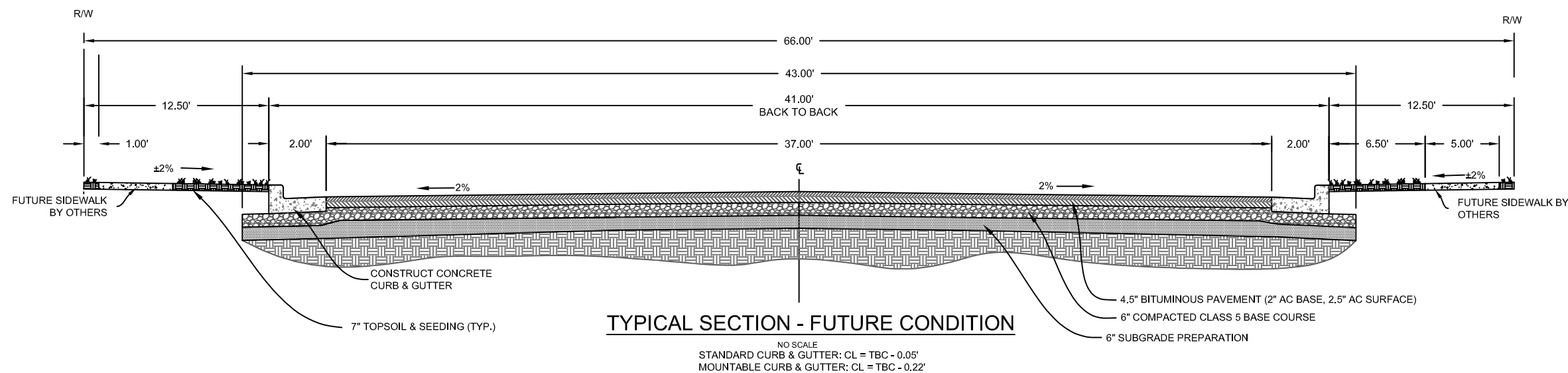
- SILT FENCING OR APPROPRIATE EROSION CONTROL MEASURES SHALL BE INSTALLED ON DOWNSTREAM SIDES OF STOCKPILES TO PROTECT RECEIVING WATERS FROM SEDIMENTATION. TOPSOIL STOCKPILES SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
- IF EXCESS FILL MATERIAL IS PRESENT FOLLOWING APPROVAL OF EMBANKMENT COMPACTION THE CONTRACTOR SHALL CONTACT THE ENGINEER TO DETERMINE A SUITABLE LOCATION FOR EXCESS FILL DISPOSAL.
- ALL UTILITY TRENCHES ARE TO BE BACKFILLED & COMPACTED TO THE PROPOSED SUBGRADE.
- THE CONTRACTOR SHALL STRIP TOPSOIL TO THE EXTENTS OF THE PROPOSED CONTOURS. STRIPPING LIMITS SHALL BE STAKED BY THE ENGINEER. PROPOSED CONTOURS ARE SHOWN AT FINISHED GRADE ELEVATIONS.
- EXISTING CONTOURS ARE SHOWN AT EXISTING GRADE.
- CURB GRADES SHOWN ARE ACTUAL FINISHED CURB GRADES AT THE TOP-BACK OF CURB.
- ALL ROCK ENCOUNTERED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFFSITE.

TRAFFIC CONTROL AND SIGNAGE

- THE CONTRACTOR SHALL MAINTAIN INGRESS/EGRESS ACCESS TO INDIVIDUAL PROPERTY OWNERS AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DETOURS AND ANY TEMPORARY CLOSURES WITH EACH PROPERTY OWNER AND THE CITY OF MANDAN ENGINEERING DEPARTMENT. THE CONTRACTOR SHALL KEEP THE DURATION OF ALL CLOSURES AND DETOURS TO A MINIMUM.
- THE CONTRACTOR SHALL MAINTAIN TEMPORARY DETOUR ROADS UNTIL DETOUR IS NO LONGER NECESSARY. MAINTENANCE COSTS SHALL BE INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL FOLLOW THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW NORTH DAKOTA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS WHEN SETTING UP THE TRAFFIC CONTROL DEVICES.

STORM WATER POLLUTION PREVENTION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A GENERAL PERMIT (NPDES) FROM THE NORTH DAKOTA DEPARTMENT OF HEALTH. AN APPLICATION PACKAGE WITH ALL RELATED AND SUBSEQUENT REQUIREMENTS MAY BE ACQUIRED BY CONTACTING THE NORTH DAKOTA DEPARTMENT OF HEALTH AT 701-328-5210.
- THE CONTRACTOR SHALL NOT DISTURB EXISTING SILT FENCE AND WEIGHTED FIBER ROLL. IF SILT FENCE OR WEIGHTED FIBER ROLL HAS BEEN DISTURBED OR HAS DETERIORATED THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT. THE COST OF REPLACING SILT FENCE AND WEIGHTED FIBER ROLL SHALL BE INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR IS RESPONSIBLE FOR MINIMIZING TRACKING OF SOIL AND DEBRIS ONTO ADJACENT PROPERTIES AND ROADWAYS. TRACKING MUST BE REMOVED BY THE END OF EACH DAY.
- THE CONTRACTOR SHALL BE REQUIRED TO CLEAN STREETS AND SIDEWALKS AND REPAIR TO THE CONDITION THEY WERE IN PRIOR TO THE START OF CONSTRUCTION BEFORE OPENING UP TO TRAFFIC.
- THE CONTRACTOR SHALL INSTALL A CENTRAL CONCRETE WASHOUT LOCATION AND PROVIDE A SIGN TO IDENTIFY THE CONCRETE WASHOUT AREA. THE CONTRACTOR SHALL CONSTRUCT A PIT TO PREVENT WASHOUT WATER FROM FLOWING TO THE STORM WATER COLLECTION SYSTEM.



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ISSUE DATE
9/15/15

LAKewood 9TH ADDITION
VE LAND COMPANY LLC,
MANDAN, NORTH DAKOTA
GENERAL NOTES

SHEET
3

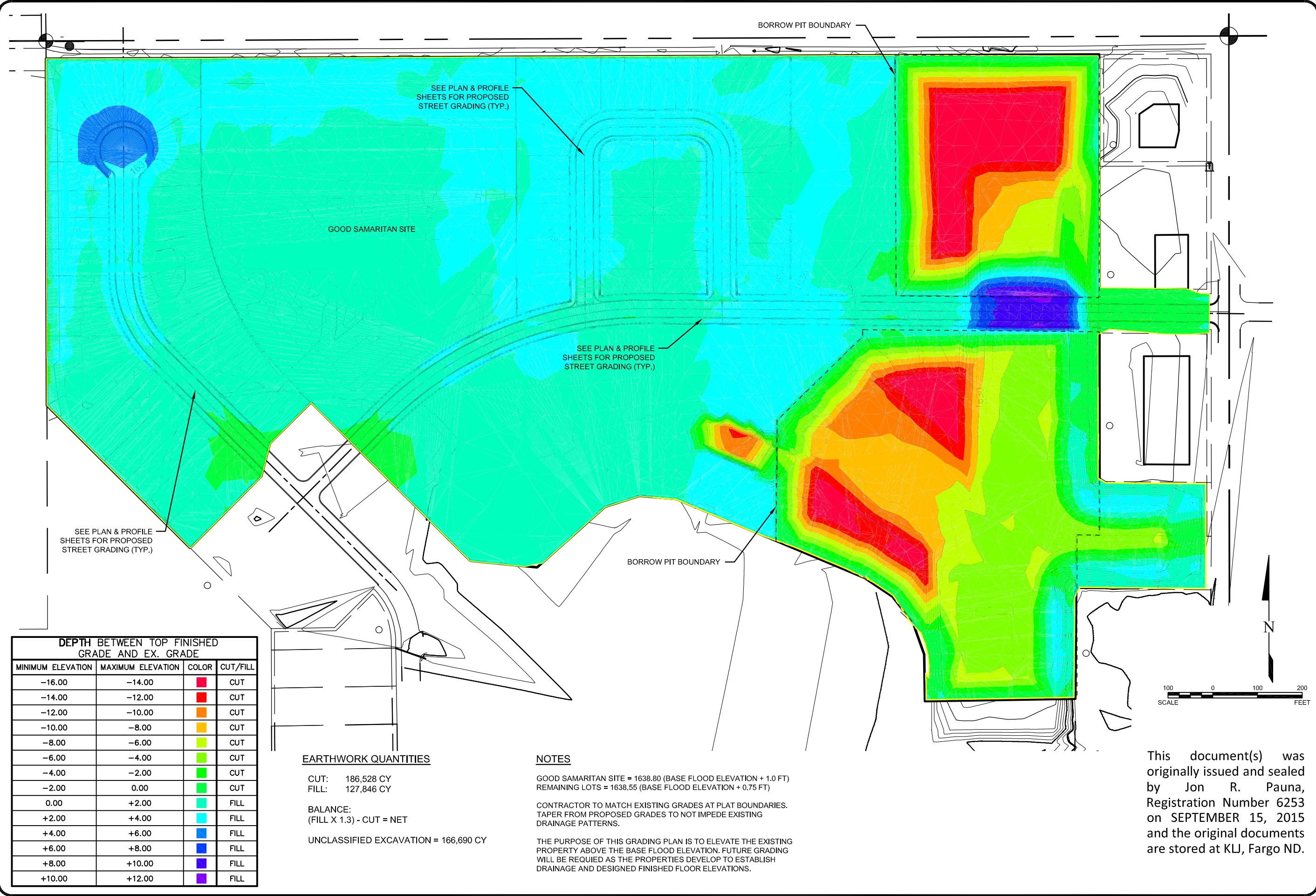
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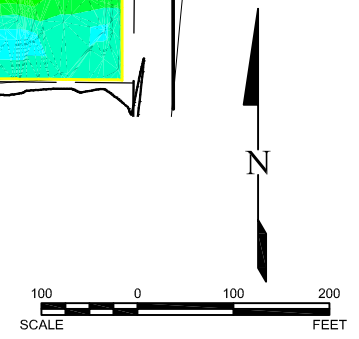
LAKELWOOD 9TH ADDITION
 VE LAND COMPANY LLC.
 MANDAN, NORTH DAKOTA
OVERALL SITE GRADING



DEPTH BETWEEN TOP FINISHED GRADE AND EX. GRADE			
MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOR	CUT/FILL
-16.00	-14.00	Red	CUT
-14.00	-12.00	Red-Orange	CUT
-12.00	-10.00	Orange	CUT
-10.00	-8.00	Yellow-Orange	CUT
-8.00	-6.00	Yellow	CUT
-6.00	-4.00	Light Green	CUT
-4.00	-2.00	Green	CUT
-2.00	0.00	Light Green	CUT
0.00	+2.00	Light Blue	FILL
+2.00	+4.00	Blue	FILL
+4.00	+6.00	Dark Blue	FILL
+6.00	+8.00	Dark Blue	FILL
+8.00	+10.00	Dark Blue	FILL
+10.00	+12.00	Dark Blue	FILL

EARTHWORK QUANTITIES
 CUT: 186,528 CY
 FILL: 127,846 CY
 BALANCE:
 (FILL X 1.3) - CUT = NET
 UNCLASSIFIED EXCAVATION = 166,690 CY

NOTES
 GOOD SAMARITAN SITE = 1638.80 (BASE FLOOD ELEVATION + 1.0 FT)
 REMAINING LOTS = 1638.55 (BASE FLOOD ELEVATION + 0.75 FT)
 CONTRACTOR TO MATCH EXISTING GRADES AT PLAT BOUNDARIES.
 TAPER FROM PROPOSED GRADES TO NOT IMPEDE EXISTING DRAINAGE PATTERNS.
 THE PURPOSE OF THIS GRADING PLAN IS TO ELEVATE THE EXISTING PROPERTY ABOVE THE BASE FLOOD ELEVATION. FUTURE GRADING WILL BE REQUIRED AS THE PROPERTIES DEVELOP TO ESTABLISH DRAINAGE AND DESIGNED FINISHED FLOOR ELEVATIONS.



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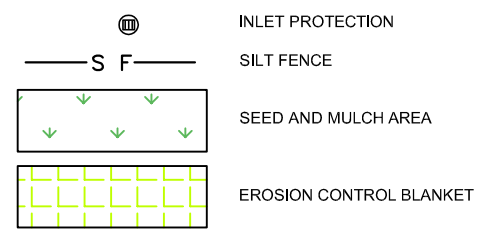
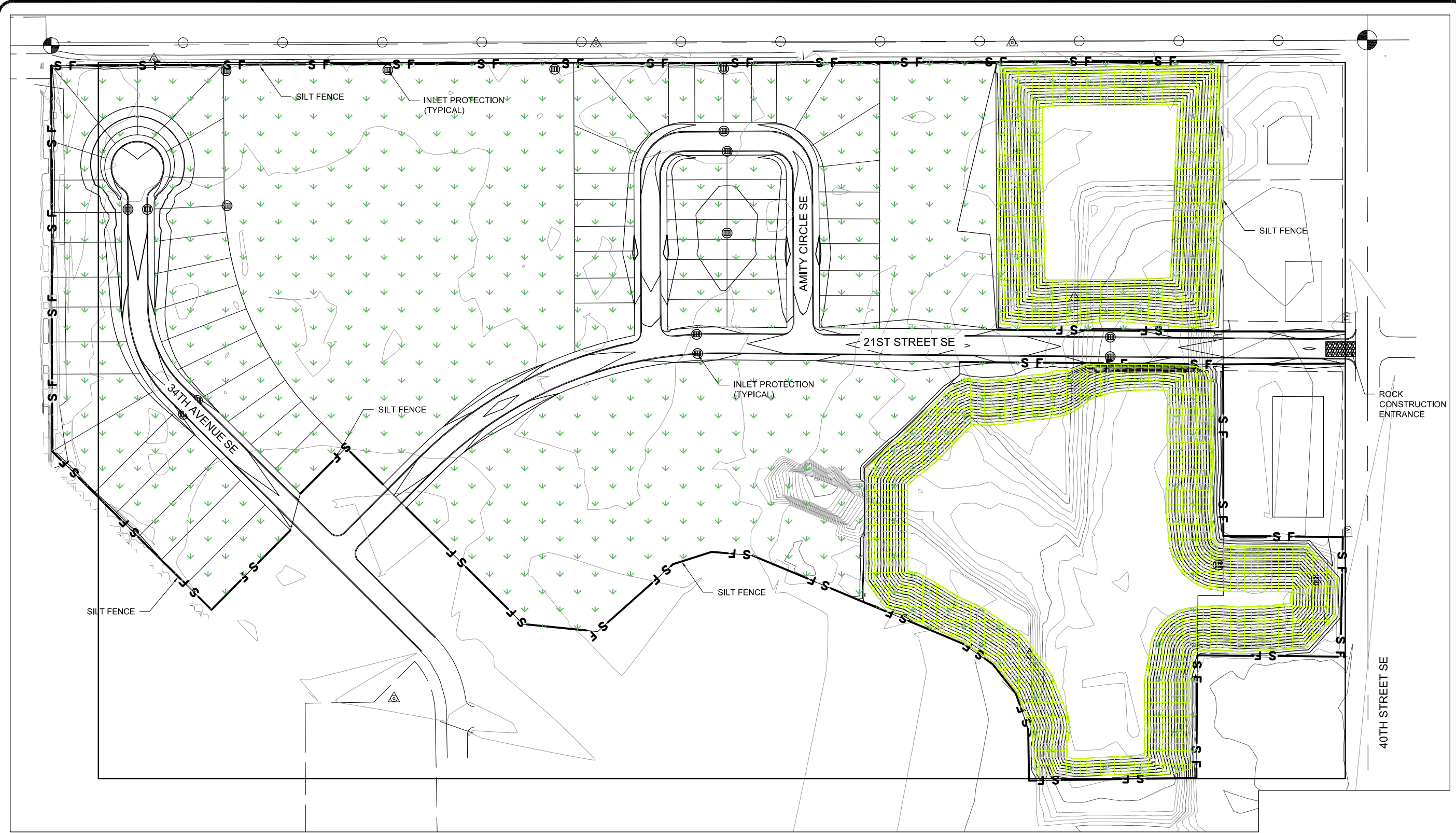
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LAKWOOD 9TH ADDITION
 VE LAND COMPANY LLC.
 MANDAN, NORTH DAKOTA

OVERALL SITE EROSION CONTROL PLAN

SHEET
5



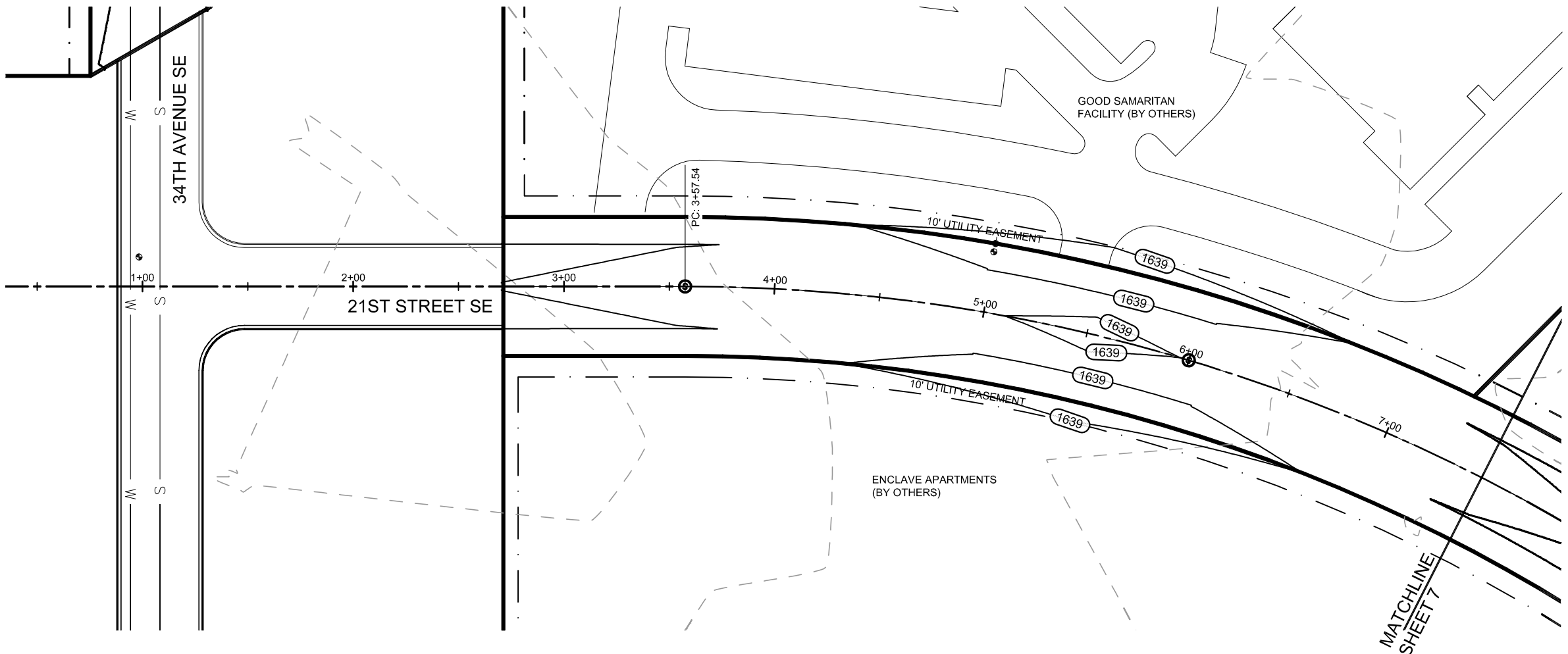
QUANTITIES THIS SHEET

SILT FENCE	8850 LF
INLET PROTECTION	18 EA
ROCK CONSTRUCTION ENTRANCE	1 LS
SEEDING TYPE 1	44.61 AC
MULCHING	44.61 AC
TOPSOILING	47,096 CY
EROSION CONTROL BLANKET	40,461 SY

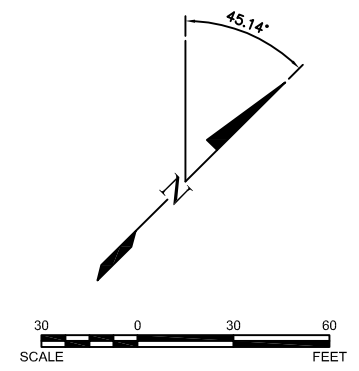
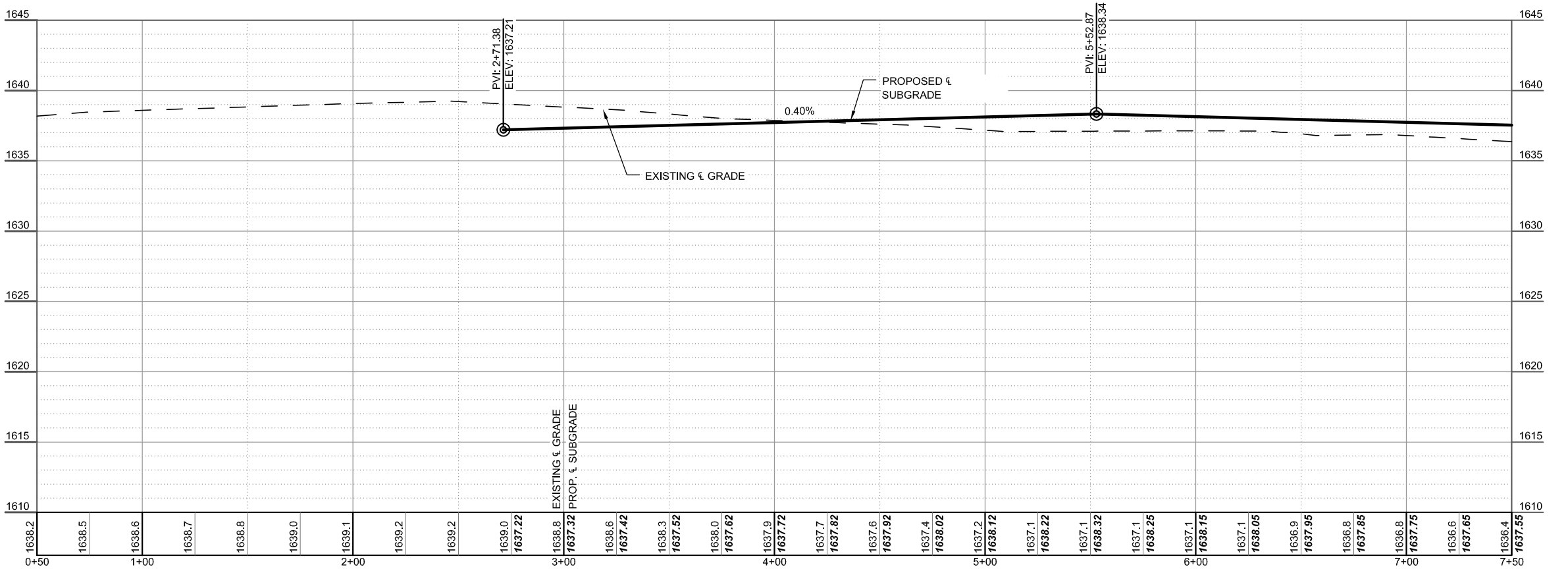


- NOTES:
- 1) THE CONTRACTOR SHALL INSTALL A CENTRAL CONCRETE WASHOUT LOCATION AND PROVIDE A SIGN TO IDENTIFY THE CONCRETE WASHOUT AREA. THE CONTRACTOR SHALL CONSTRUCT A PIT TO PREVENT WASHOUT WATER FROM FLOWING TO THE STORM WATER COLLECTION SYSTEM.
 - 2) CONTRACTOR TO TOPSOIL, MULCH, AND SEED ALL DISTURBED AREAS OUTSIDE OF THE RIGHT-OF-WAY.

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1639 PROPOSED SUBGRADE ELEVATION



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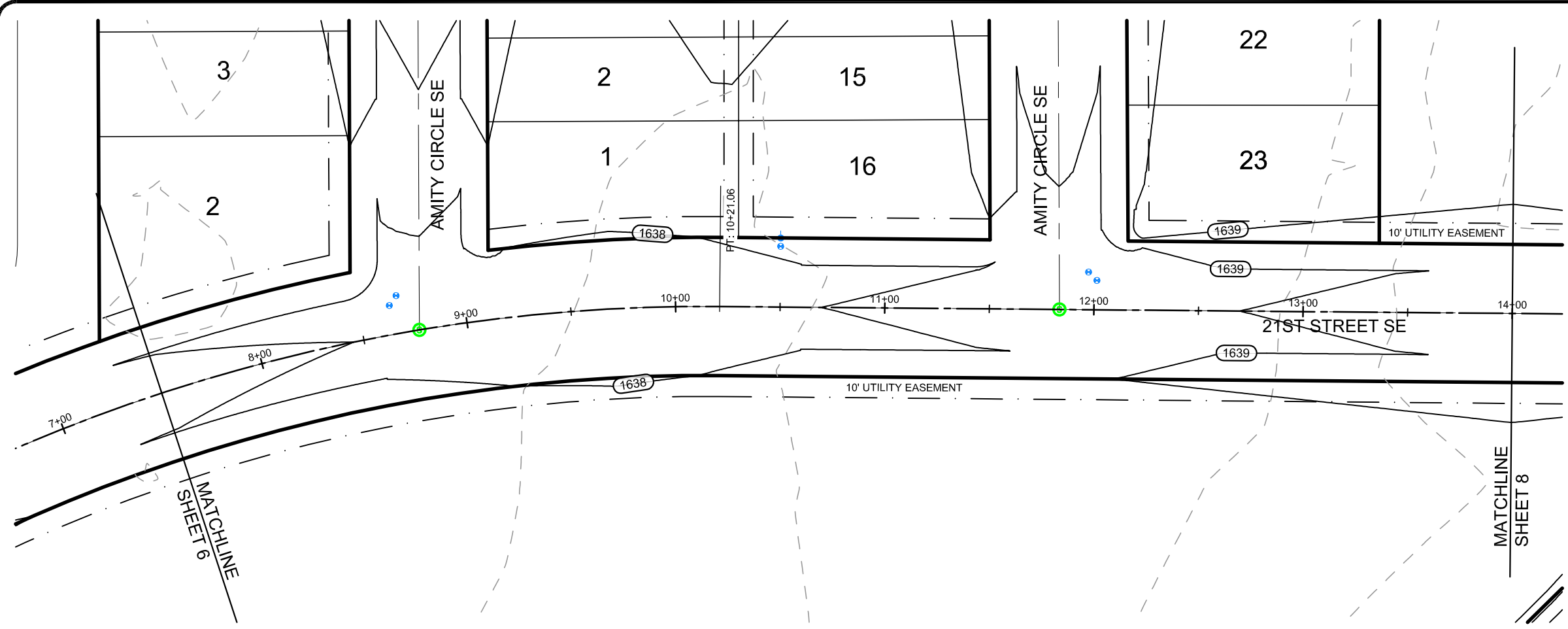
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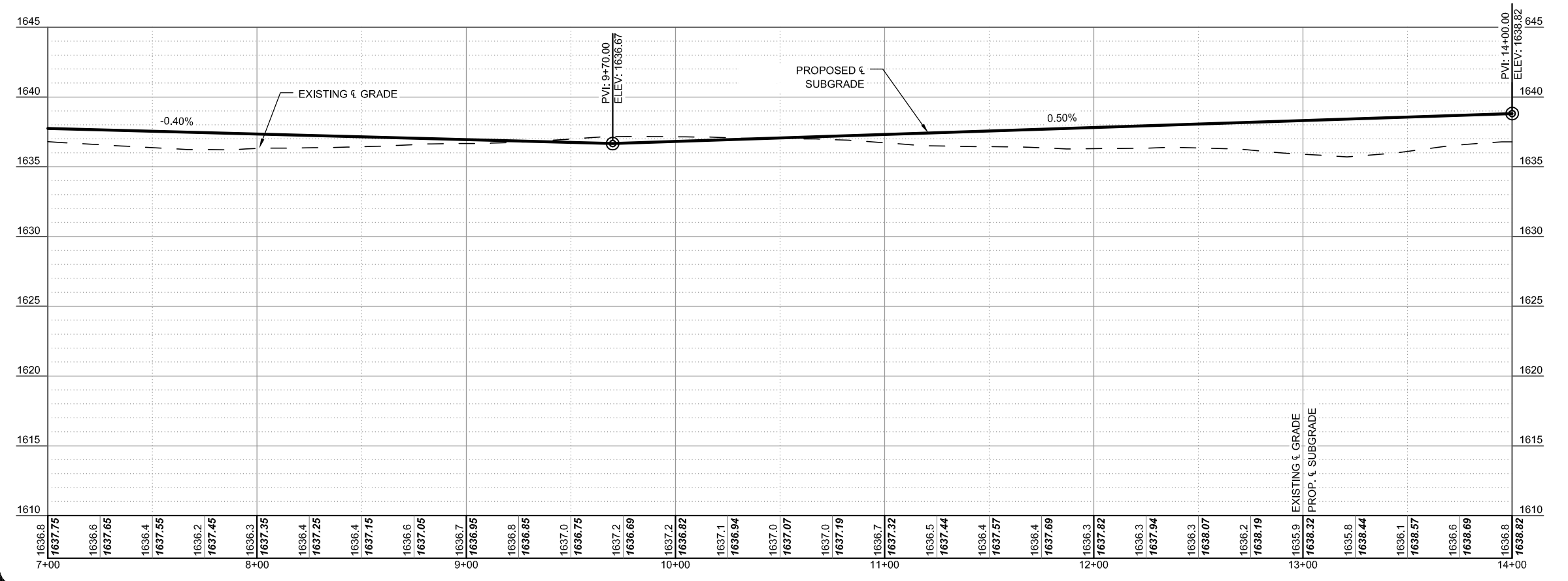
LAKewood 9th Addition
VE LAND COMPANY LLC.
MANDAN, NORTH DAKOTA

21ST STREET PLAN & PROFILE, STA 0+50 - 7+50

SHEET 6



1639 PROPOSED SUBGRADE ELEVATION



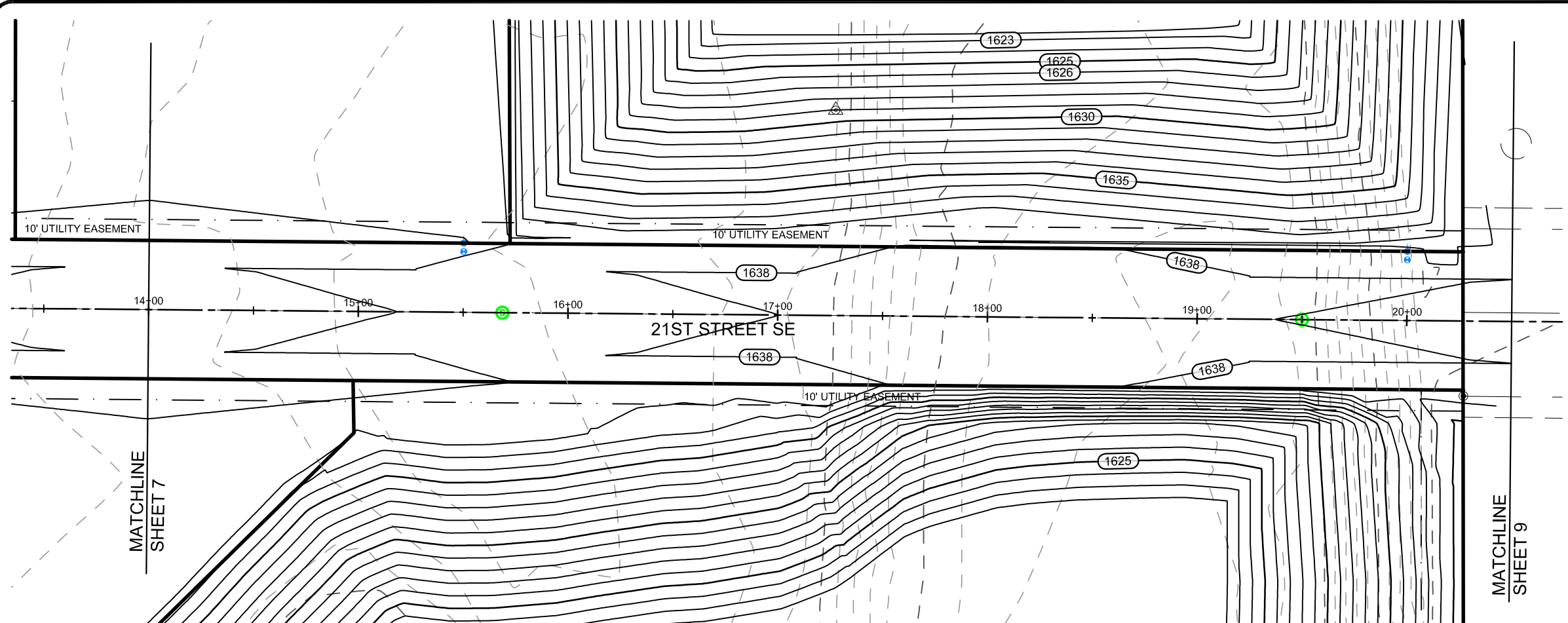
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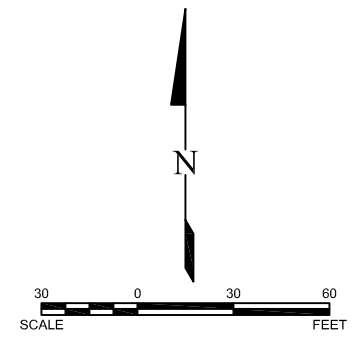
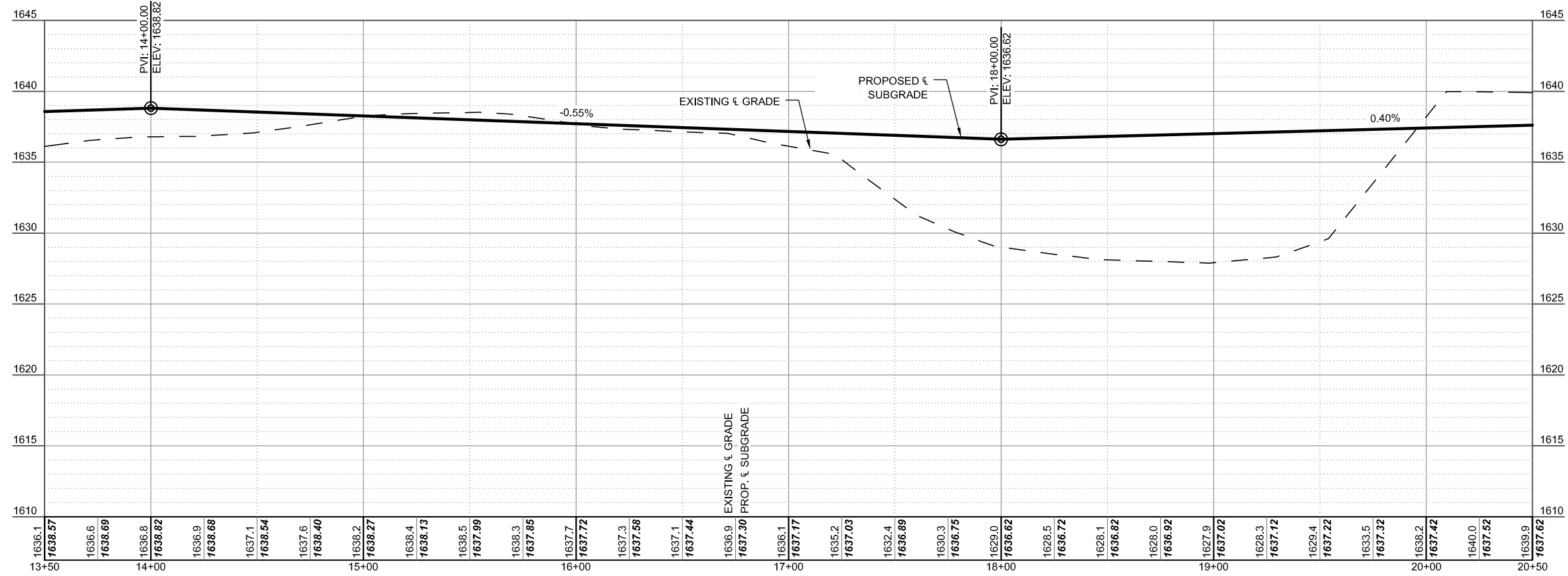
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LAKewood 9th Addition
VE LAND COMPANY LLC,
MANDAN, NORTH DAKOTA

21ST STREET PLAN & PROFILE, STA 7+50 - 14+00



1639 PROPOSED SUBGRADE ELEVATION



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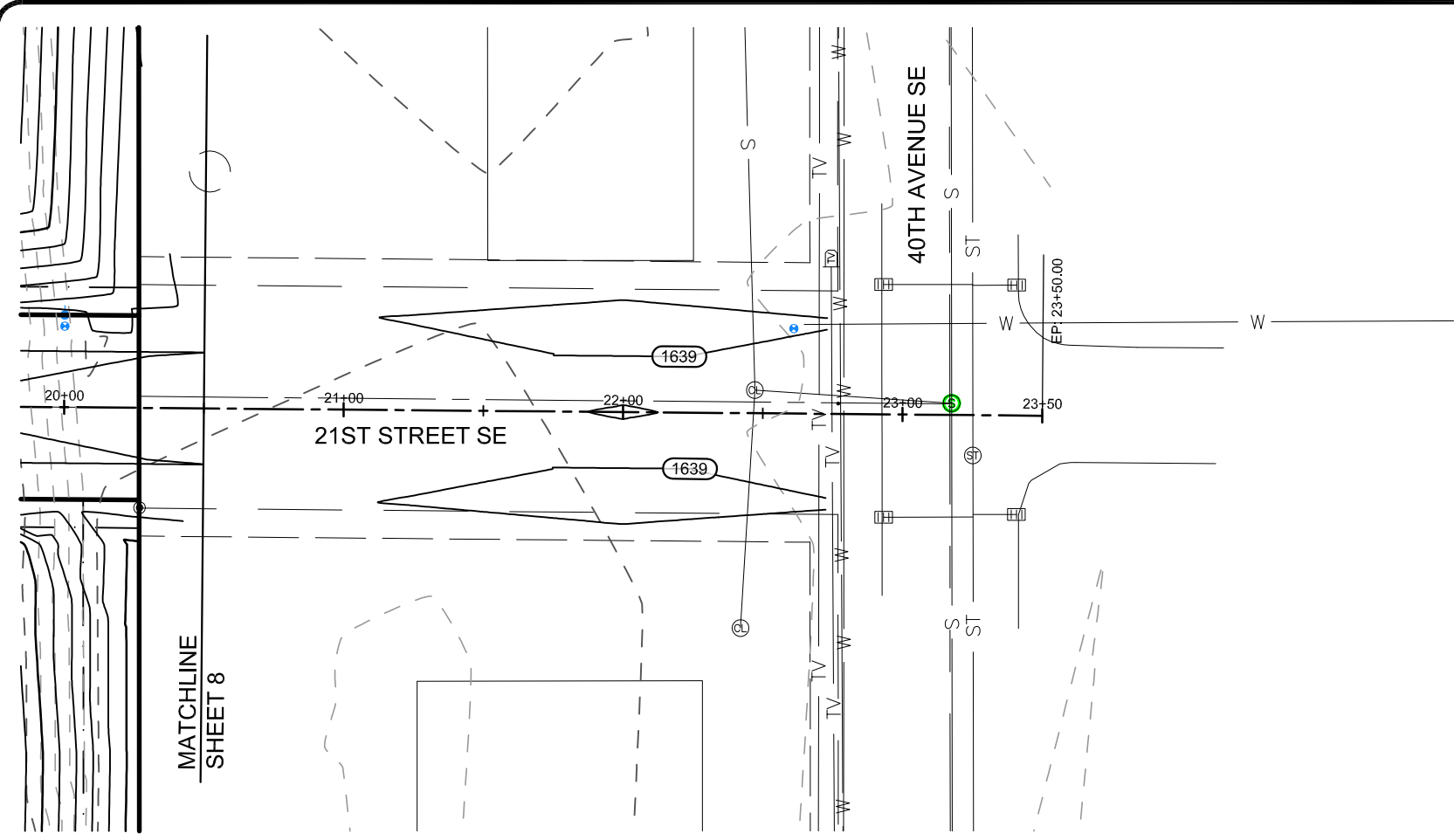
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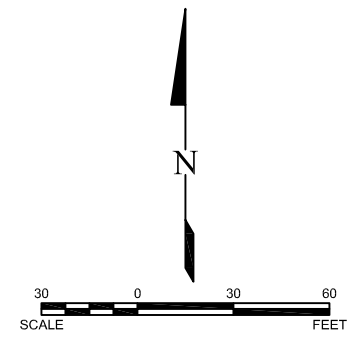
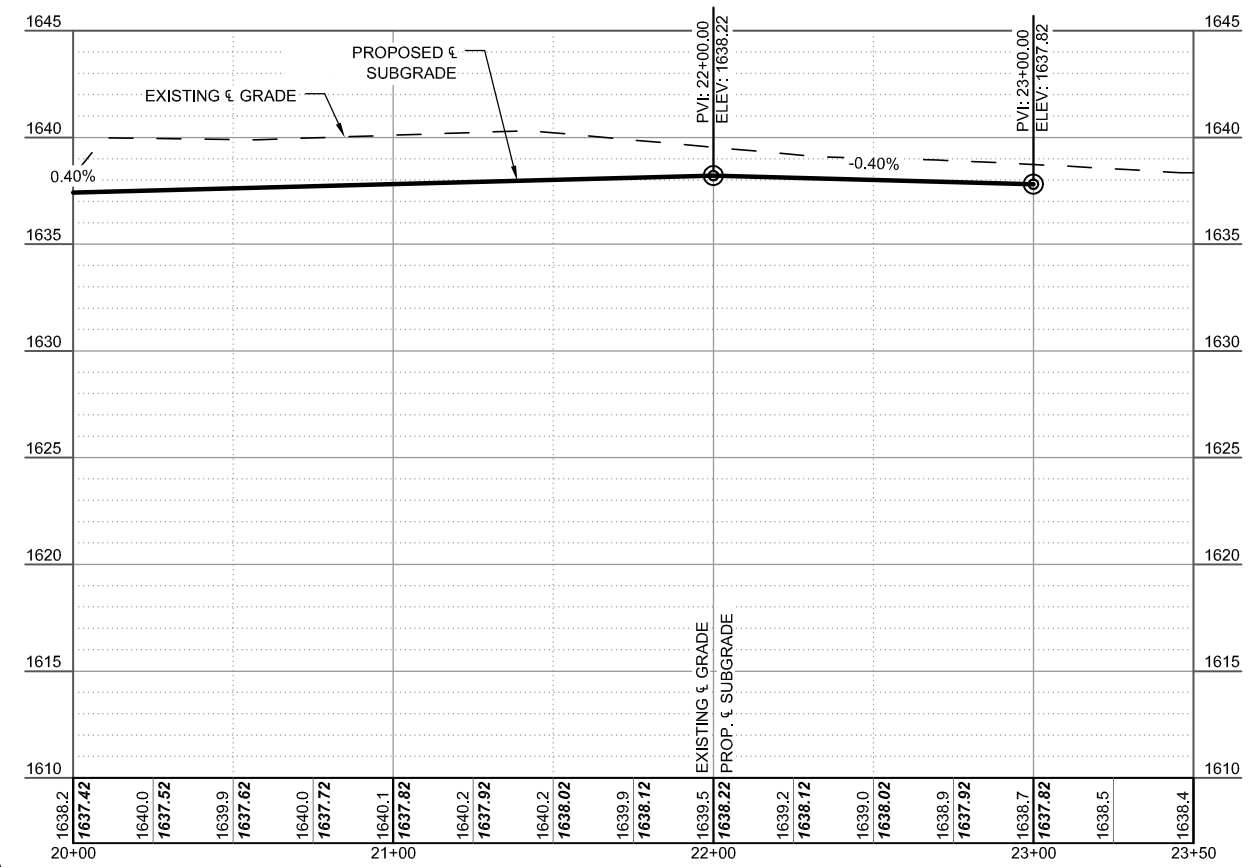
LAKELWOOD 9TH ADDITION
 VE LAND COMPANY LLC,
 MANDAN, NORTH DAKOTA

21ST STREET PLAN & PROFILE, STA 14+00 - 20+50

SHEET 8



1639 PROPOSED SUBGRADE ELEVATION



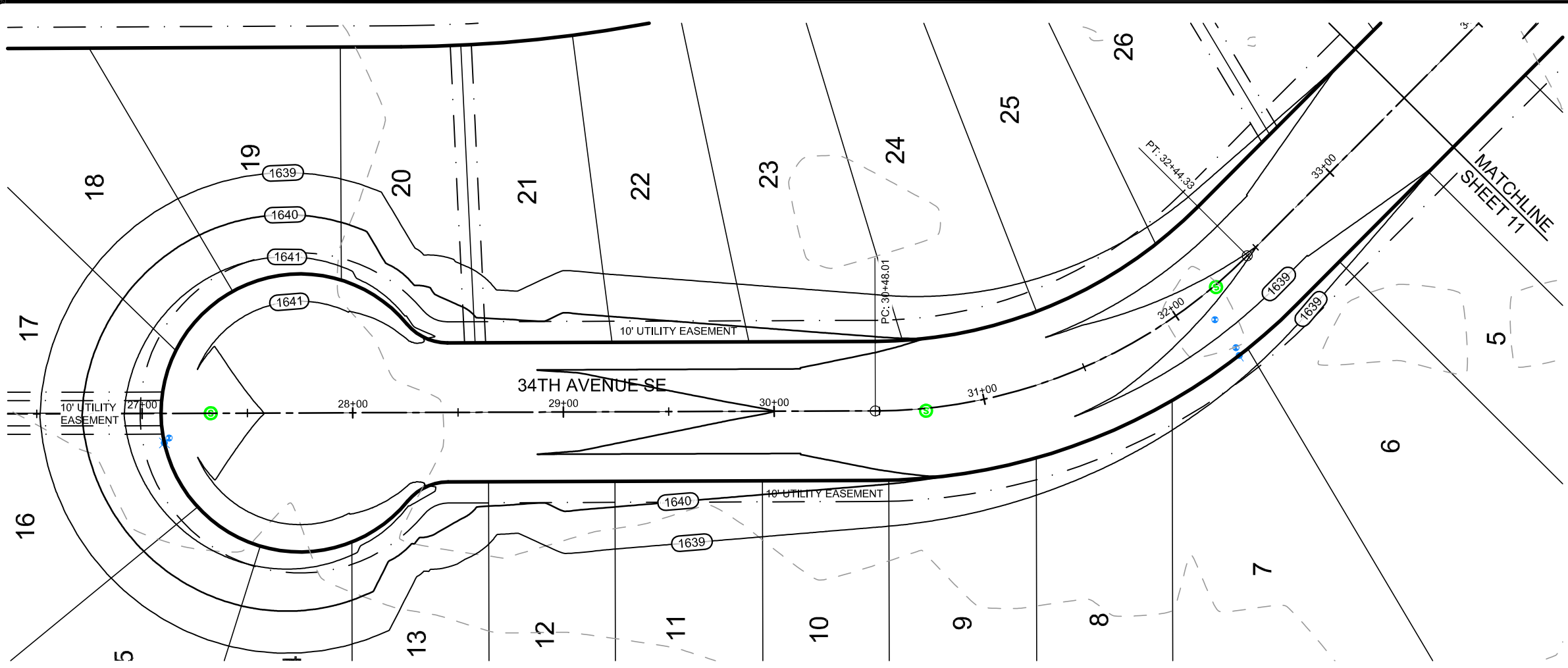
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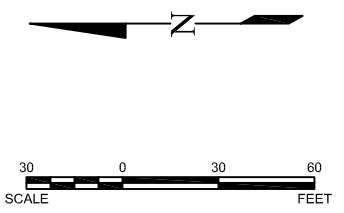
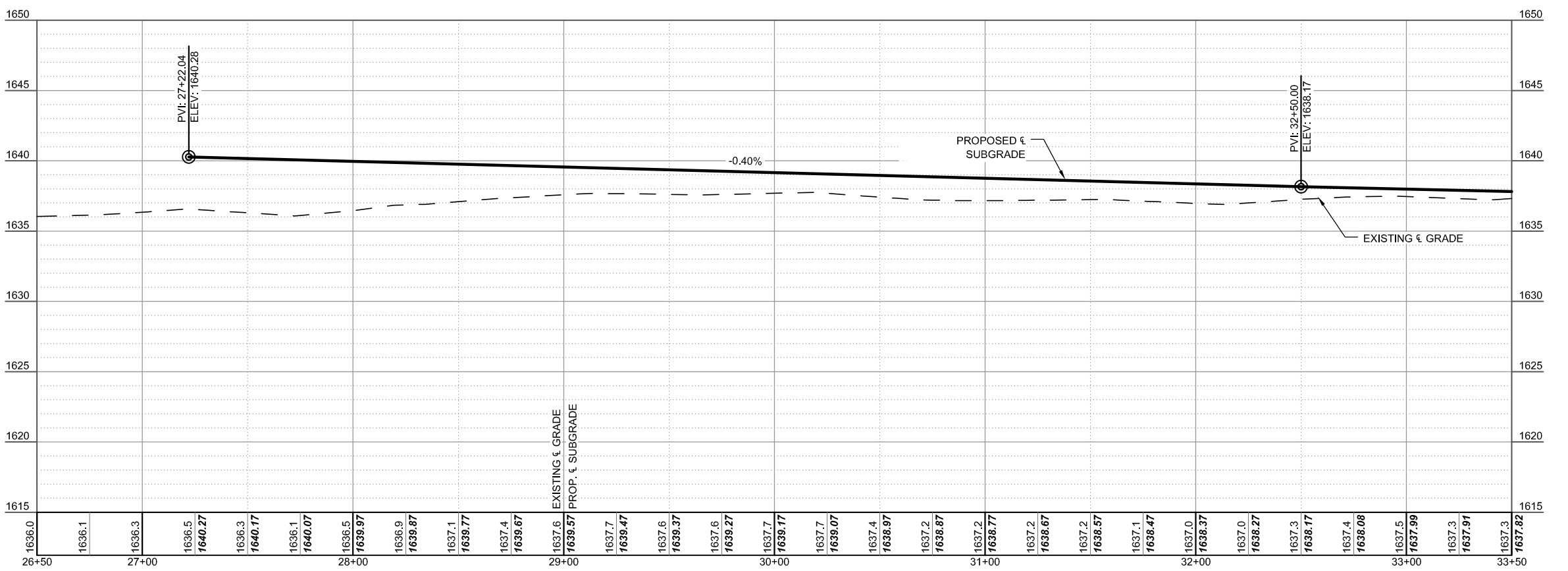
DRAFTED JA
REVIEWED JP
PROJECT NUMBER 14615136
ISSUE DATE 9/15/15

LAKWOOD 9TH ADDITION
VE LAND COMPANY LLC.
MANDAN, NORTH DAKOTA

21ST STREET PLAN & PROFILE, STA 20+50 - 23+50



1639 PROPOSED SUBGRADE ELEVATION



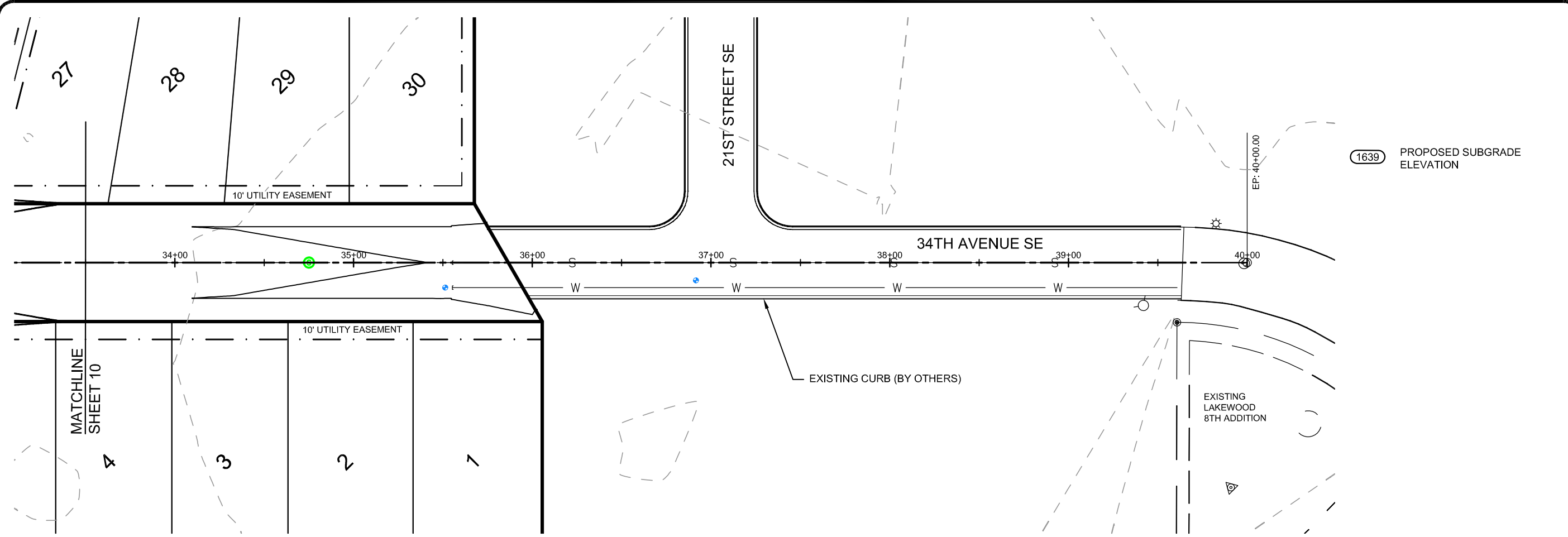
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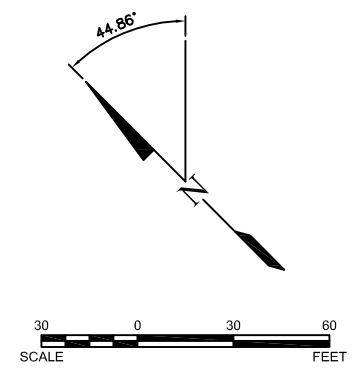
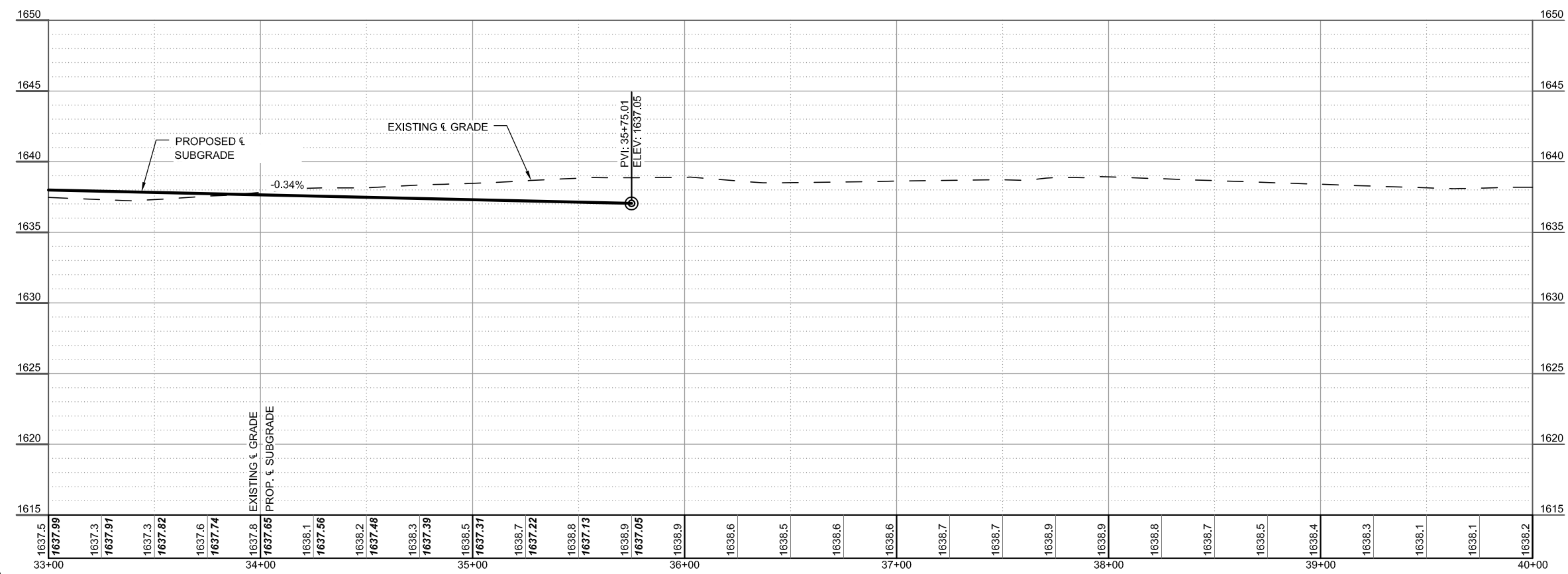
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PROJECT NUMBER 14615136
ISSUE DATE 9/15/15

LAKewood 9th ADDITION
VE LAND COMPANY LLC.
MANDAN, NORTH DAKOTA

34TH AVENUE PLAN & PROFILE, STA. 26+50 - 33+50



1639 PROPOSED SUBGRADE ELEVATION



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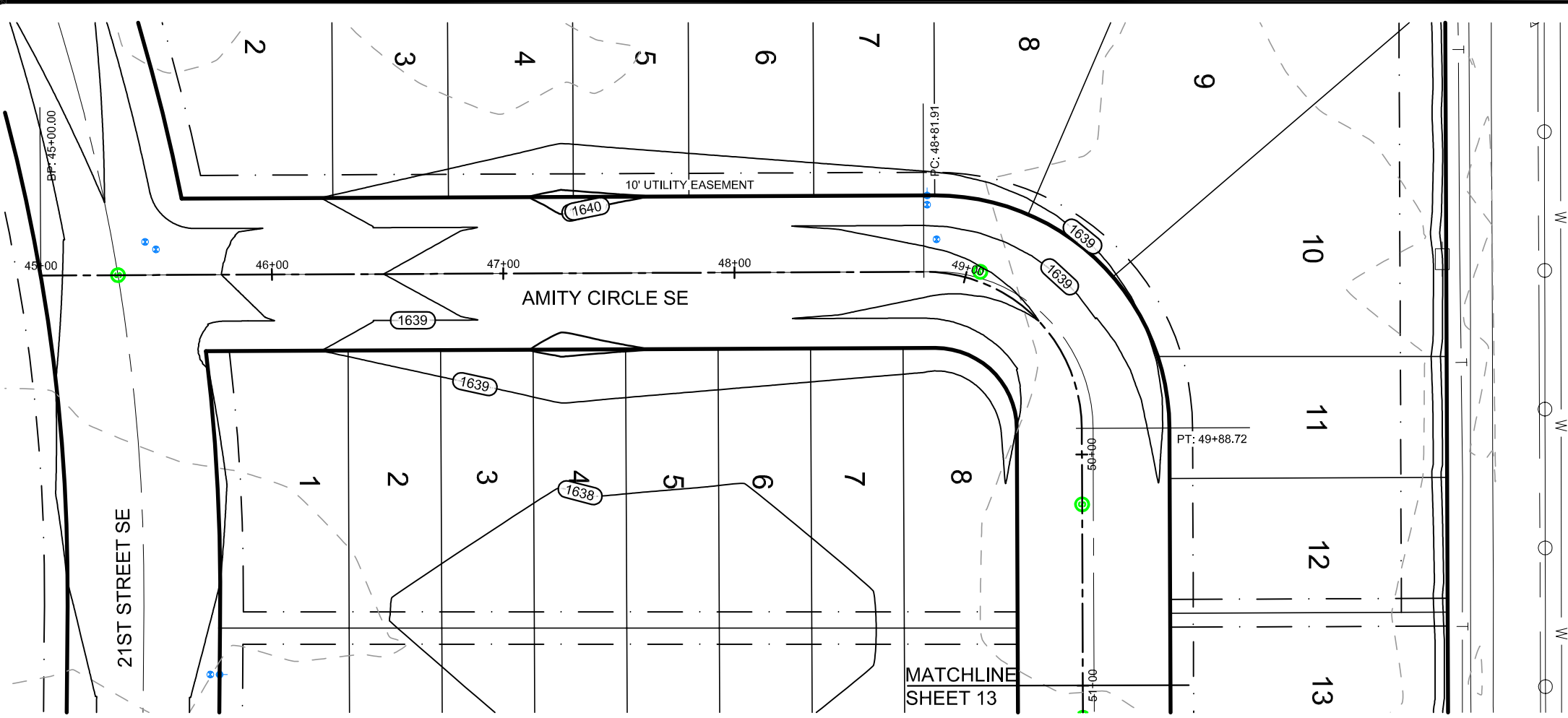
LAKWOOD 9TH ADDITION
 VE LAND COMPANY LLC.
 MANDAN, NORTH DAKOTA

34TH AVENUE PLAN & PROFILE, STA. 33+50 - 40+00

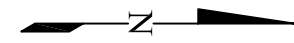
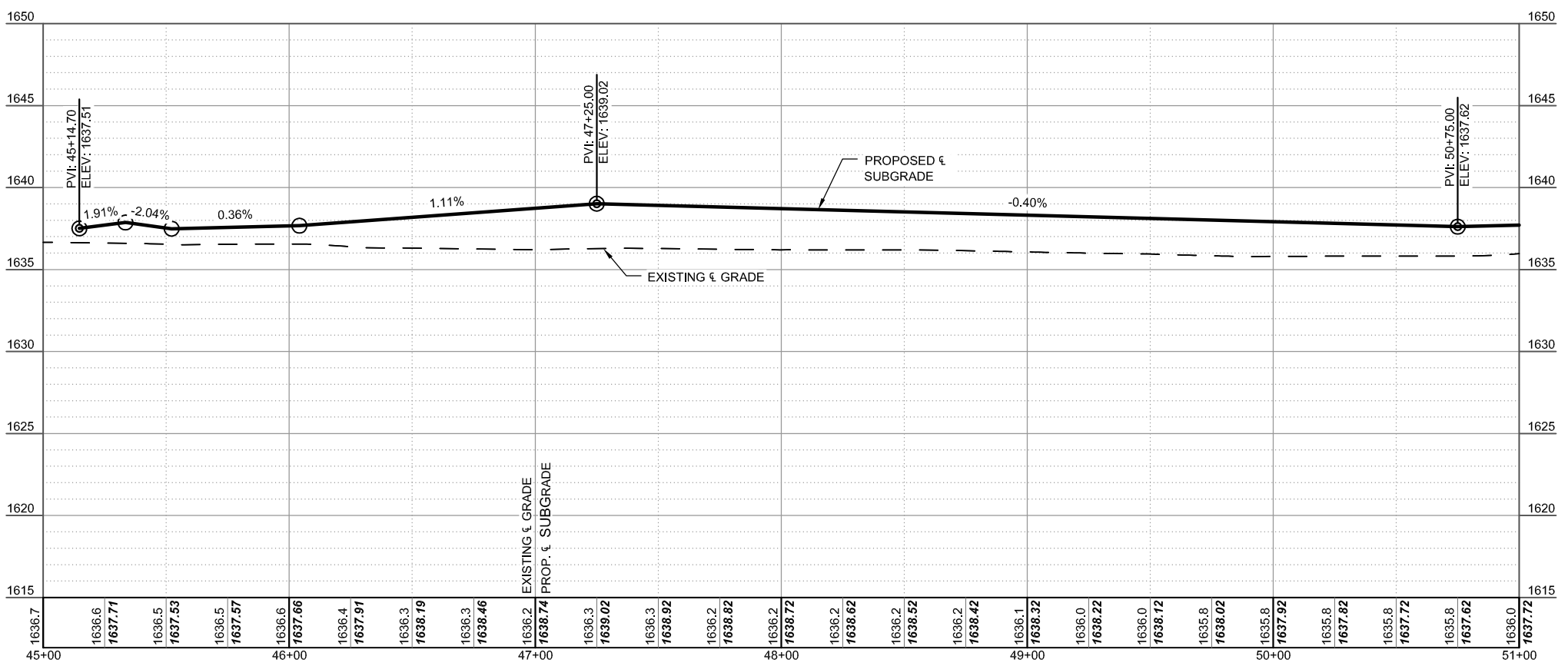


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1639 PROPOSED SUBGRADE ELEVATION



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LAKELWOOD 9TH ADDITION
VE LAND COMPANY LLC.
MANDAN, NORTH DAKOTA
AMITY CIRCLE PLAN & PROFILE, STA. 45+00 - 51+00

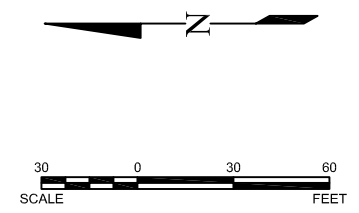
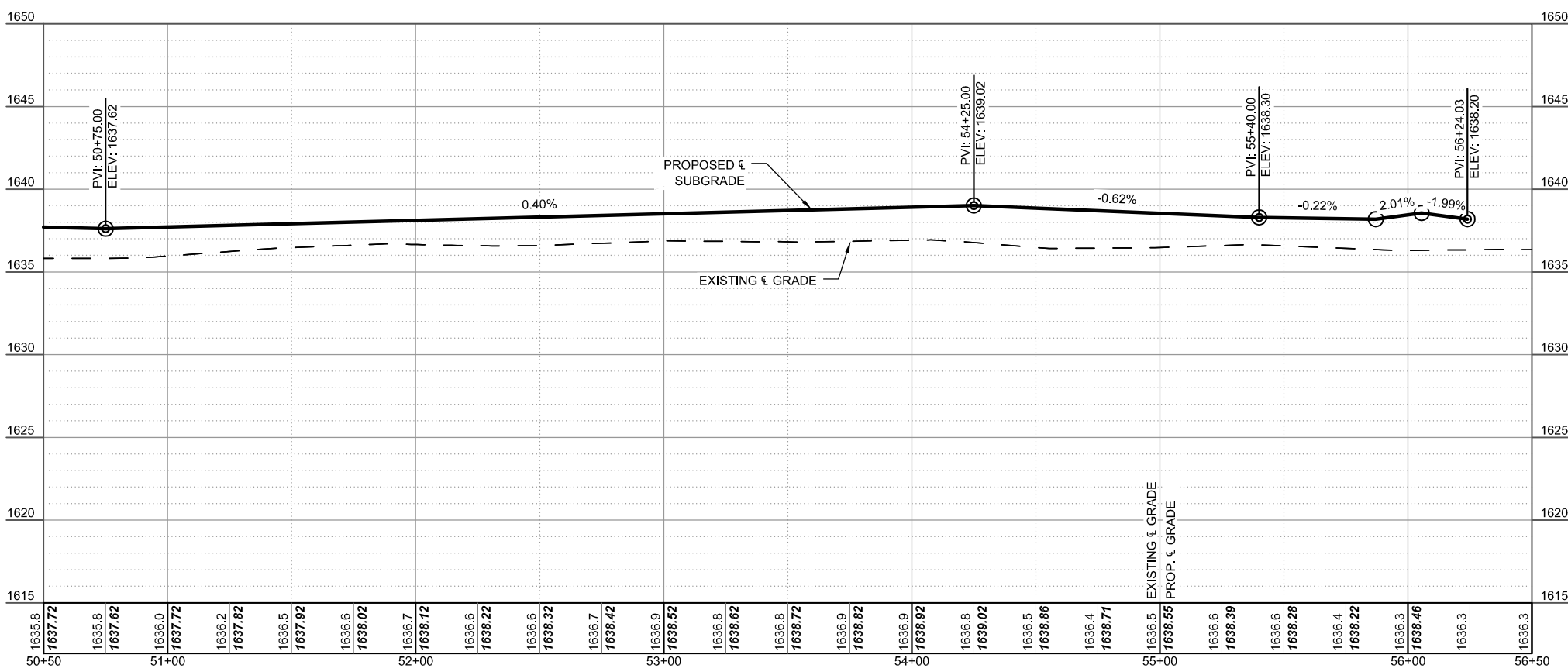
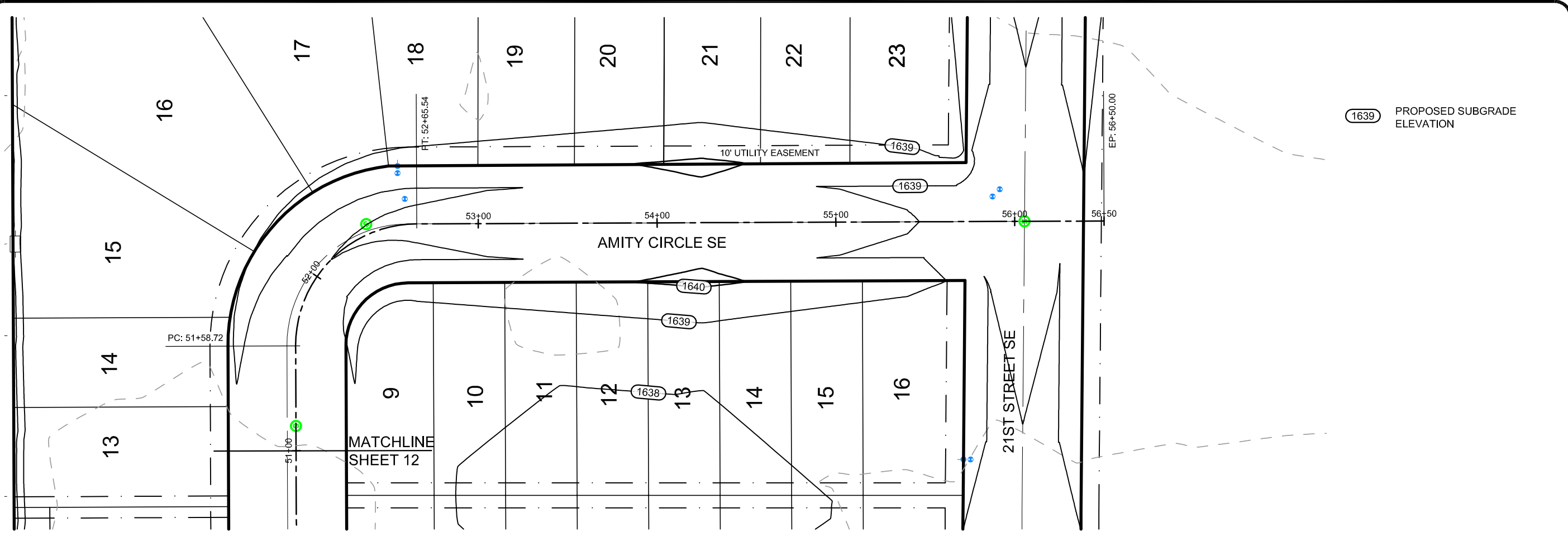
NO.	DATE	REVISION

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PROJECT NUMBER 14615136
ISSUE DATE 9/15/15

LAKWOOD 9TH ADDITION

VE LAND COMPANY LLC,
MANDAN, NORTH DAKOTA

AMITY CIRCLE PLAN & PROFILE, STA. 51+00 - 56+00

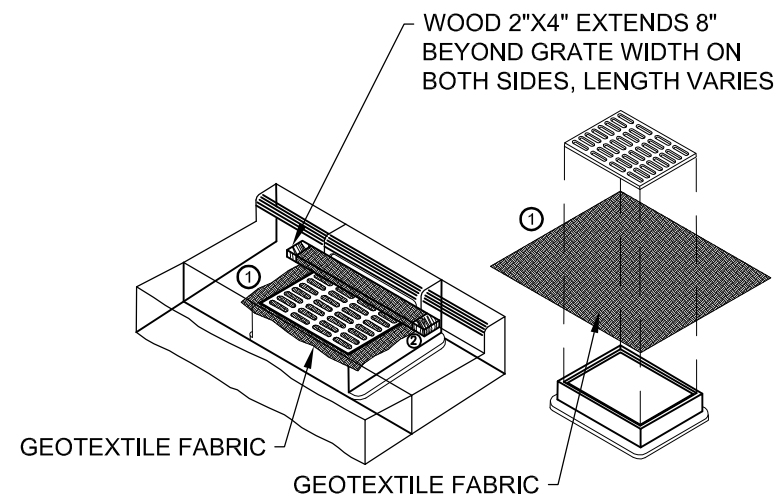


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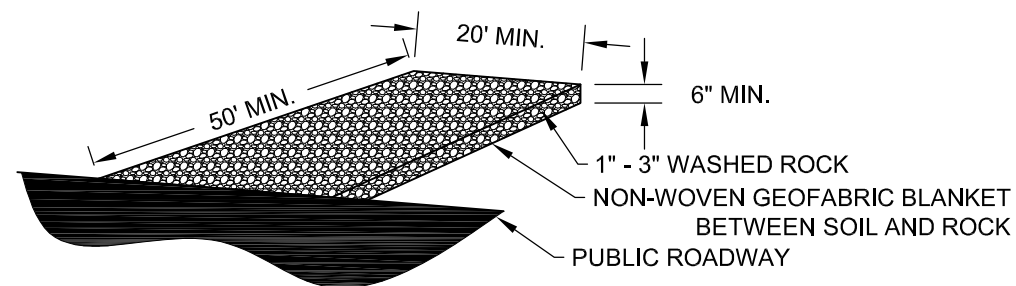
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LAKWOOD 9TH ADDITION
 VE LAND COMPANY LLC.
 MANDAN, NORTH DAKOTA
DETAILS



- NOTES:
1. FABRIC SIZE SHALL BE MIN. 8" GREATER ON ALL SIDES OF INLET COVER TO PROVIDE A HAND HOLD WHEN MAINTENANCE OR REMOVAL IS REQUIRED.
 2. 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.

CURB INLET PROTECTION
NO SCALE



- NOTES:
1. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION.
 2. PUBLIC ROADWAYS SHALL BE KEPT CLEAN AND FREE OF MUD, DIRT, AND DEBRIS AT ALL TIMES.

ROCK CONSTRUCTION ENTRANCE
NO SCALE

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