

CITY OF PLYMOUTH

CONSTRUCTION PLANS FOR

GLEASON LAKE DRIVE IMPROVEMENTS

BITUMINOUS PAVEMENT REHABILITATION, CONCRETE CURB AND GUTTER SPOT REPLACEMENT, UTILITIES ADJUSTMENTS, AND ADA IMPROVEMENTS

JANUARY, 2023

RESOURCE LIST

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PLYMOUTH MN 55447

DEPUTY PUBLIC WORKS
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ASSISTANT CITY ENGINEER
MIKE PAYNE, P.E.

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CURT OLSON
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651-952-6372

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RJ ALLISON
612-388-7375

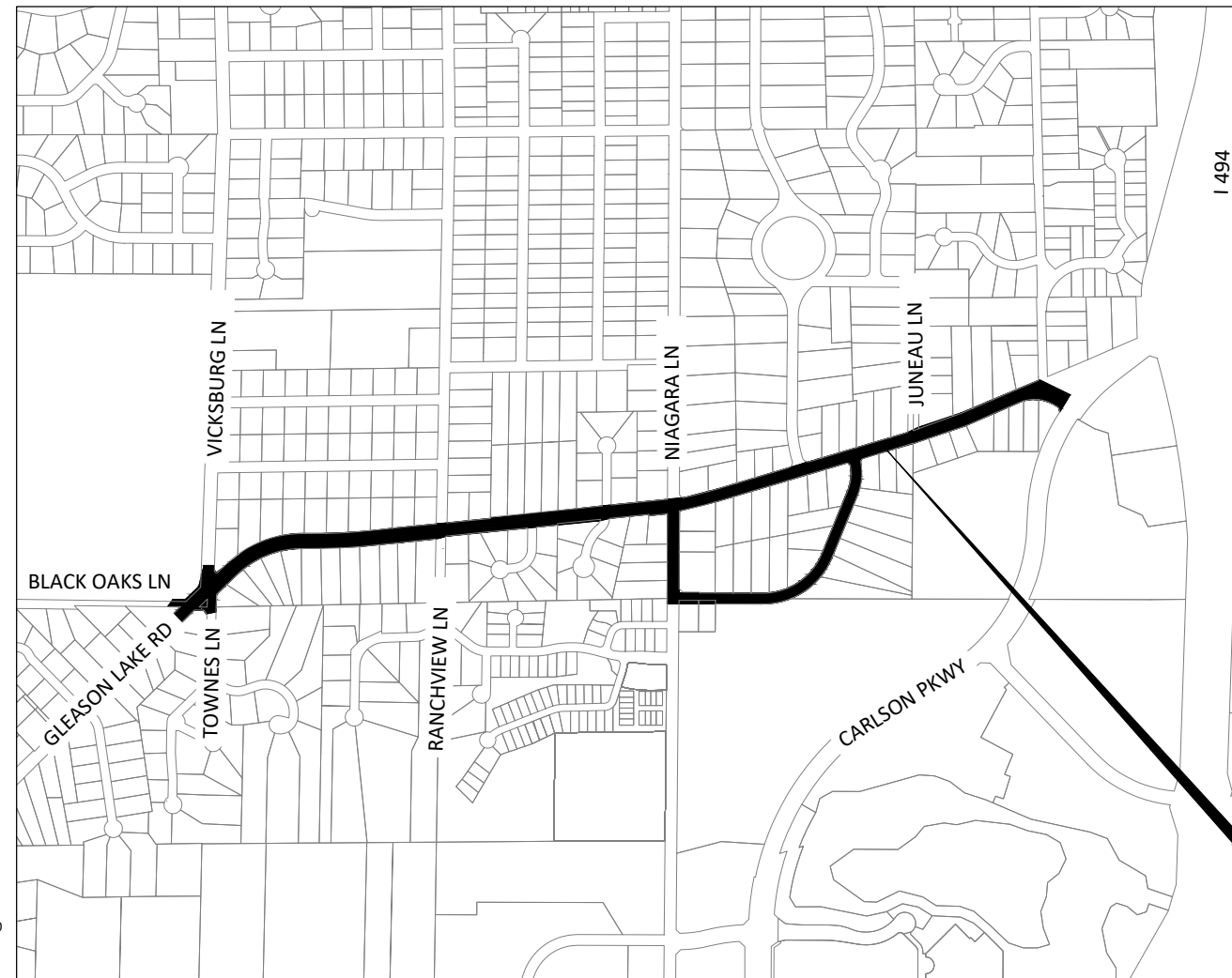
ELECTRIC
XCEL ENERGY
8701 MONTICELLO LANE
MAPLE GROVE, MN 55369
ADAM BARTHEL
612-368-6427

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL, 1-800-252-1166 OR 651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

DRAFT 90% PLANS

MAP OF THE
CITY OF PLYMOUTH
HENNEPIN COUNTY, MN



MAP LEGEND

— PROJECT LIMITS

SHEET NUMBER	SHEET TITLE
GENERAL	
G0.01 - G0.03	TITLE SHEET, LEGEND, GENERAL NOTES
G1.01	STATEMENT OF ESTIMATED QUANTITIES
CIVIL	
C0.01 - C0.05	EXISTING CONDITIONS, REMOVALS PLAN
C1.01 - C1.05	TABLES, DETAILS, TYPICAL SECTIONS, PHASING PLAN
C2.01 - C2.08	SWPPP, EROSION CONTROL PLAN
C4.01 - C4.10	SANITARY SEWER & WATER PLAN & PROFILE
C5.01 - C5.08	STORM SEWER PLAN & PROFILE
C6.01 - C6.15	STREET PLAN & PROFILE
C6.16 - C6.28	INTERSECTION & PED RAMP DETAILS
C7.01 - C7.04	TRAFFIC CONTROL, SIGNING & STRIPING, SIGNALS
C8.01 - C8.10	STANDARD DETAIL PLATES, STANDARD PLANS
C9.01 - C9.29	CROSS SECTIONS
ELECTRICAL	
E1.01 - E1.03	SIGNAL LOOP REPLACEMENTS

THIS PLAN SET CONTAINS 121 SHEETS.

Nicholas J. Amatuccio, P.E.
Design Engineer: I hereby certify that this plan was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Date 1/10/2023 License Number 53639

Approved: City of Plymouth

BM=999.56 BRIDGE RAILING SOUTHEAST CORNER OF CARLSON PKWY BRIDGE NO. 27654	HORIZONTAL: HENNEPIN COUNTY NAD83 (1986 ADJ.) VERTICAL: NAVD88	RECORD DRAWING INFORMATION
		OBSERVER: CONTRACTOR: DATE:

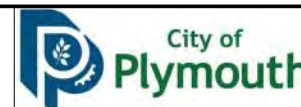
CITY OF PLYMOUTH, MINNESOTA
GLEASON LAKE DRIVE IMPROVEMENTS

SHEET
G0.01

TITLE SHEET



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XXX			
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CLIENT PROJ. NO.	01.124164		

EXISTING TOPOGRAPHIC SYMBOLS

	ACCESS GRATE		REGULATION STATION GAS
	AIR CONDITION UNIT		SATELLITE DISH
	ANTENNA		SIGN NON TRAFFIC
	AUTO SPRINKLER CONNECTION		SIGN TRAFFIC
	BARRICADE PERMANENT		SIGNAL CONTROL CABINET
	BASKETBALL POST		SOIL BORING
	BENCH		SIREN
	BIRD FEEDER		TELEPHONE BOOTH
	BOLLARD		TILE INLET
	BUSH		TILE OUTLET
	CATCH BASIN RECTANGULAR CASTING		TILE RISER
	CATCH BASIN CIRCULAR CASTING		TRANSFORMER-ELECTRIC
	CURB STOP		TREE-CONIFEROUS
	CLEAN OUT		TREE-DEAD
	CULVERT END		TREE-DECIDUOUS
	DRINKING FOUNTAIN		TREE STUMP
	DOWN SPOUT		TRAFFIC ARM BARRIER
	FILL PIPE		TRAFFIC SIGNAL
	FIRE HYDRANT		TRASH CAN
	FLAG POLE		UTILITY MARKER
	FLARED END / APRON		VALVE
	FUEL PUMP		VALVE POST INDICATOR
	GRILL		VALVE VAULT
	GUY WIRE ANCHOR		VAULT
	HANDHOLE		VENT PIPE
	HANDICAP SPACE		WATER SPIGOT
	IRRIGATION SPRINKLER HEAD		WELL
	IRRIGATION VALVE BOX		WETLAND DELINEATED MARKER
	LIFT STATION CONTROL PANEL		WETLAND
	LIFT STATION		WET WELL
	LIGHT ON POLE		YARD HYDRANT
	LIGHT-GROUND		
	MAILBOX		

PROPOSED TOPOGRAPHIC SYMBOLS

	CLEANOUT
	MANHOLE
	LIFT STATION
	STORM SEWER CIRCULAR CASTING
	STORM SEWER RECTANGULAR CASTING
	STORM SEWER FLARED END / APRON
	STORM SEWER OUTLET STRUCTURE
	STORM SEWER OVERFLOW STRUCTURE
	CURB BOX
	FIRE HYDRANT
	WATER VALVE
	WATER REDUCER
	WATER BEND
	WATER TEE
	WATER CROSS
	WATER SLEEVE
	WATER CAP / PLUG
	RIP RAP
	DRAINAGE FLOW
	TRAFFIC SIGNS

SURVEY SYMBOLS

	BENCHMARK LOCATION
	CONTROL POINT
	MONUMENT FOUND
	CAST IRON MONUMENT
	STONE MONUMENT

EXISTING TOPOGRAPHIC LINES

	RETAINING WALL
	FENCE
	FENCE-DECORATIVE
	GUARD RAIL
	TREE LINE
	BUSH LINE

SURVEY LINES

	CONTROLLED ACCESS BOUNDARY
	CENTERLINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	EXISTING LOT LINE
	PROPOSED LOT LINE
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	SETBACK LINE
	SECTION LINE
	QUARTER LINE
	SIXTEENTH LINE
	TEMPORARY EASEMENT

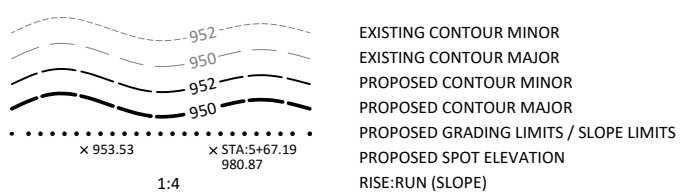
EXISTING UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE

PROPOSED UTILITY LINES

	FORCEMAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	WATERMAIN
	WATER SERVICE
	PIPE CASINGS

GRADING INFORMATION



HATCH PATTERNS

	BITUMINOUS		GRAVEL
	CONCRETE		

EXISTING PRIVATE UTILITY LINES

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	UNDERGROUND FIBER OPTIC
	UNDERGROUND ELECTRIC
	UNDERGROUND GAS
	UNDERGROUND COMMUNICATION
	OVERHEAD ELECTRIC
	OVERHEAD COMMUNICATION
	OVERHEAD UTILITY

UTILITIES IDENTIFIED WITH A QUALITY LEVEL:

LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL
 EXAMPLE: UNDERGROUND GAS, QUALITY LEVEL A
 UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-02.

UTILITY QUALITY LEVELS:

QUALITY LEVEL D: PROVIDES THE MOST BASIC LEVEL OF INFORMATION. IT INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS. RECORDS MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICES MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASES, CONSTRUCTION PLANS, ETC.

QUALITY LEVEL C: INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. INCLUDES QUALITY LEVEL D ACTIVITIES.

QUALITY LEVEL B: INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND COLLECTING THE INFORMATION THROUGH A SURVEY METHOD. INCLUDES QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL A: PROVIDES THE HIGHEST LEVEL OF ACCURACY. IT INVOLVES LOCATING OR POTHOLING UTILITIES AS WELL AS ACTIVITIES IN QUALITY LEVELS B, C, AND D. THE LOCATED FACILITY INFORMATION IS SURVEYED AND MAPPED AND THE DATA PROVIDES PRECISE PLAN AND PROFILE INFORMATION.

ABBREVIATIONS

A	ALGEBRAIC DIFFERENCE	GRAV	GRAVEL	RSC	RIGID STEEL CONDUIT
ADJ	ADJUST	GU	GUTTER	RT	RIGHT
ALT	ALTERNATE	GV	GATE VALVE	SAN	SANITARY SEWER
B-B	BACK TO BACK	HDPE	HIGH DENSITY POLYETHYLENE	SCH	SCHEDULE
BIT	BITUMINOUS	HH	HANDHOLE	SERV	SERVICE
BLDG	BUILDING	HP	HIGH POINT	SHLD	SHOULDER
BMP	BEST MANAGEMENT PRACTICE	HWL	HIGH WATER LEVEL	STA	STATION
BR	BEGIN RADIUS	HYD	HYDRANT	STD	STANDARD
BV	BUTTERFLY VALVE	I	INVERT	STM	STORM SEWER
CB	CATCH BASIN	K	CURVE COEFFICIENT	TC	TOP OF CURB
C&G	CURB AND GUTTER	L	LENGTH	TE	TEMPORARY EASEMENT
CIP	CAST IRON PIPE	LO	LOWEST OPENING	TEMP	TEMPORARY
CIPP	CURED-IN-PLACE PIPE	LP	LOW POINT	TNH	TOP NUT HYDRANT
CL	CENTER LINE	LT	LEFT	TP	TOP OF PIPE
CL	CLASS	MAX	MAXIMUM	TYP	TYPICAL
CLVT	CULVERT	MH	MANHOLE	VCP	VITRIFIED CLAY PIPE
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM	VERT	VERTICAL
C.O.	CHANGE ORDER	MR	MID RADIUS	VPC	VERTICAL POINT OF CURVE
COMM	COMMUNICATION	NIC	NOT IN CONTRACT	VPI	VERTICAL POINT OF INTERSECTION
CON	CONCRETE	NMC	NON-METALLIC CONDUIT	VPT	VERTICAL POINT OF TANGENT
CSP	CORRUGATED STEEL PIPE	NTS	NOT TO SCALE	WM	WATERMAIN
DIA	DIAMETER	NWL	NORMAL WATER LEVEL		
DIP	DUCTILE IRON PIPE	OHW	ORDINARY HIGH WATER LEVEL		
DWY	DRIVEWAY	PC	POINT OF CURVE	AC	ACRES
E	EXTERNAL CURVE DISTANCE	PCC	POINT OF COMPOUND CURVE	CF	CUBIC FEET
ELEC	ELECTRIC	PE	PERMANENT EASEMENT	CV	COMPACTED VOLUME
ELEV	ELEVATION	PED	PEDESTRIAN, PEDESTAL	CY	CUBIC YARD
EOF	EMERGENCY OVERFLOW	PERF	PERFORATED PIPE	EA	EACH
ER	END RADIUS	PERM	PERMANENT	EV	EXCAVATED VOLUME
ESMT	EASEMENT	PI	POINT OF INTERSECTION	LB	POUND
EX	EXISTING	PL	PROPERTY LINE	LF	LINEAR FEET
FES	FLARED END SECTION	PRC	POINT OF REVERSE CURVE	LS	LUMP SUM
F-F	FACE TO FACE	PT	POINT OF TANGENT	LV	LOOSE VOLUME
FF	FINISHED FLOOR	PVC	POLYVINYL CHLORIDE PIPE	SF	SQUARE FEET
F&I	FURNISH AND INSTALL	PVMT	PAVEMENT	SV	STOCKPILE VOLUME
FM	FORCEMAIN	R	RADIUS	SY	SQUARE YARD
FO	FIBER OPTIC	R/W	RIGHT-OF-WAY		
F.O.	FIELD ORDER	RCP	REINFORCED CONCRETE PIPE		
GRAN	GRANULAR	RET	RETAINING		

PHASING NOTES

- SEE C1.01 FOR PHASING INFORMATION.

GENERAL TRAFFIC CONTROL NOTES

- ACCESS TO RESIDENCES AND SIDE STREETS/ CUL-DE-SACS SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL ALSO SUPPLY ACCESS TO AND FROM THE SITE FOR CONCURRENT CONSTRUCTION PROJECTS, PRIVATE UTILITY IMPROVEMENTS/RELOCATIONS, AND AS OTHERWISE PROVIDED FOR IN THE SPECIFICATIONS.
- THE CONTRACTOR MUST MAINTAIN GARBAGE AND RECYCLING SERVICE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESS FOR GARBAGE TRUCKS. WHEN INFEASIBLE TO MAINTAIN SUCH ACCESS, THE CONTRACTOR SHALL COLLECT CONTAINERS, RELOCATE THEM TO A LOCATION WHERE SUITABLE ACCESS CAN BE PROVIDED, AND RETURN CONTAINERS IN GOOD WORKING CONDITION TO THE SAME PROPERTY FROM WHICH THEY WERE TAKEN. COSTS FOR PROVIDING ACCESS OR HAULING CONTAINERS TO AN ACCESSIBLE LOCATION SHALL BE INCIDENTAL TO THE CONTRACT.
- THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MN MUTCD) AND INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. TRAFFIC CONTROL NOT IN COMPLIANCE WITH MN MUTCD WILL BE SUBJECT TO VIOLATION IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- THE ITEM "TRAFFIC CONTROL" BID AS "LUMP SUM" SHALL INCLUDE ALL COSTS FOR PROVIDING TEMPORARY CONTROLS SPECIFIED IN THE PLAN AND OTHER TRAFFIC CONTROL REQUIRED PER THE MN/MUTCD DUE TO THE CONTRACTORS OPERATIONS FOR COMPLETION OF THE PROJECT INCLUDING BUT NOT LIMITED TO, MILLING, RECLAIMING & PAVING UNDER TRAFFIC, TEMPORARY ROAD CLOSURES IN FULL OR TO THRU TRAFFIC, TEMPORARY LANE CLOSURES, ADJUSTMENTS TO THE TRAFFIC CONTROL PLAN FOR LARGE AND SMALL SCALE STAGING OPERATIONS, AND NECESSARY DETOURS FOR MOTORISTS, BICYCLISTS, AND/OR PEDESTRIANS. THE AMOUNT BID SHALL ALSO INCLUDE SUFFICIENT TRAFFIC CONTROL FOR WARNING OF POTENTIAL HAZARDS DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO FLASHING BARRICADES AROUND EQUIPMENT AND OBSTRUCTIONS.
- CONTRACTOR SHALL PREVENT TRACKING OF BITUMINOUS MATERIAL ONTO THE ADJACENT STREETS OF ALL PROJECT AREAS. IF MATERIAL IS TRACKED ONTO ADJACENT ROADWAYS, THE CONTRACTOR SHALL RESTORE THE PAVEMENT TO THE SATISFACTION OF THE CITY.
- THE CONTRACTOR MUST FURNISH AND INSTALL STANDARD CITY PROJECT SIGNS AT ALL MAJOR ENTRANCES TO THE PROJECT AREA AS DESIGNED ON THE STAGING PLAN. THE SIGNS SHALL FOLLOW THE REQUIREMENTS SHOWN IN THE STANDARD CITY PLATE NO. DWG-1.

UTILITY CONSTRUCTION NOTES

- REFER TO PROJECT SPECIFICATIONS FOR STRUCTURE CASTING FRAME & COVER REQUIREMENTS. ALL FRAME & COVER DEVIATIONS SHALL BE INDICATED ON THE PLAN SHEETS.
- EXTERIOR CHIMNEY SEALS REQUIRED ON ALL NEW SANITARY MANHOLES CASTINGS.

REMOVAL NOTES

- PRIOR TO REMOVALS, REQUIRED EROSION CONTROL DEVICES ARE TO BE INSTALLED.
- COORDINATE WITH UTILITY OWNER TO RELOCATE POWER AND LIGHT POLES, AND OTHER PRIVATE UTILITIES AS NECESSARY.
- ALL ADJACENT BITUMINOUS AND CONCRETE SURFACES SHALL BE CLEANLY SAWCUT PRIOR TO REMOVAL.
- REMOVALS SHALL BE LIMITED TO AREAS WITHIN THE DEFINED PROJECT LIMITS. RESTORATION OF AREAS OUTSIDE OF PROJECT LIMITS SHALL BE COMPLETED AT THE CONTRACTOR'S COST UNLESS OTHERWISE APPROVED.
- CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS IN DISPOSING OF MATERIALS REMOVED FROM THIS SITE.
- PAVEMENT REMOVAL LIMITS SHOWN ON THE PLAN ARE APPROXIMATE. REMOVAL LIMITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ANY TREES, SHRUBS, AND PLANTINGS TO BE REMOVED SHALL BE DESIGNATED IN ADVANCE BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT ALL ITEMS DESIGNATED FOR SALVAGE AND PROVIDE APPROPRIATE STORAGE UNTIL RE-INSTALLATION. ANY ITEMS DESIGNATED TO BE SALVAGED WHICH ARE DAMAGED SHALL BE REPLACED WITH NEW AT NO COST TO THE OWNER. REPAIR OF DAMAGED ITEMS SHALL NOT BE ALLOWED UNLESS APPROVED BY THE ENGINEER.
- ANY LANDSCAPING MATERIALS WITHIN R.O.W. TO BE REMOVED SHALL BE DESIGNATED IN ADVANCE BY THE ENGINEER AND SHALL BE CONSIDERED INCIDENTAL.
- ALL ITEMS NOT IDENTIFIED FOR REMOVAL SHALL BE PROTECTED DURING CONSTRUCTION.

CONSTRUCTION NOTES

- PROVIDE FOR A SAW-CUT WHERE PLACING NEW PAVEMENT IS INSTALLED ADJACENT TO EXISTING PAVEMENT.
- ALL MATERIALS TESTING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- ALL USES OF THE WORD "INCIDENTAL" IN THESE CONSTRUCTION DOCUMENTS SHALL BE CONSTRUED TO MEAN INCIDENTAL WORK FOR WHICH NO DIRECT COMPENSATION SHALL BE MADE.
- ALL SIDEWALK AND PEDESTRIAN RAMPS CONSTRUCTION JOINTS SHALL BE SAWCUT.
- ALL USES OF THE WORD "INCIDENTAL" IN THESE CONSTRUCTION DOCUMENTS MUST BE CONSTRUED TO MEAN INCIDENTAL WORK FOR WHICH NO DIRECT COMPENSATION WILL BE MADE.
- SHAPING & COMPACTION OF THE IN PLACE AGGREGATE BASE (SALVAGED RECLAIM) UNDER BITUMINOUS STREET PAVEMENT WILL BE PAID FOR BY THE SY UNDER THE BID ITEM SUB-GRADE PREPARATION.
- CHARCOAL GRAY COATED CAST IRON TRUNCATED DOMES ARE REQUIRED FOR PEDESTRIAN RAMPS.

COORDINATION WITH PRIVATE UTILITIES

- ALL PRIVATE UTILITIES SHALL BE PROTECTED. CONTRACTOR SHALL COORDINATE WITH ALL PRIVATE UTILITY OWNERS. CALL 1-800-GOPHER1.

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I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NICHOLAS J. AMATUCCIO
LIC. NO. 53639 DATE XX/XX/2022



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CITY OF PLYMOUTH, MINNESOTA
GLEASON LAKE DRIVE IMPROVEMENTS
GENERAL CONSTRUCTION NOTES

SHEET

G0.03

1722110031
EL T BRUFLODT
Gleason Lake Rd

3311822330021
K A LATUFF & B M LATUFF
15830 Gleason Lake Dr

3311822330019
DARLENE V MCCARTY
15810 Gleason Lake Dr

GLEASON LAKE RD (CO RD 15)

VICKSBURG LANE

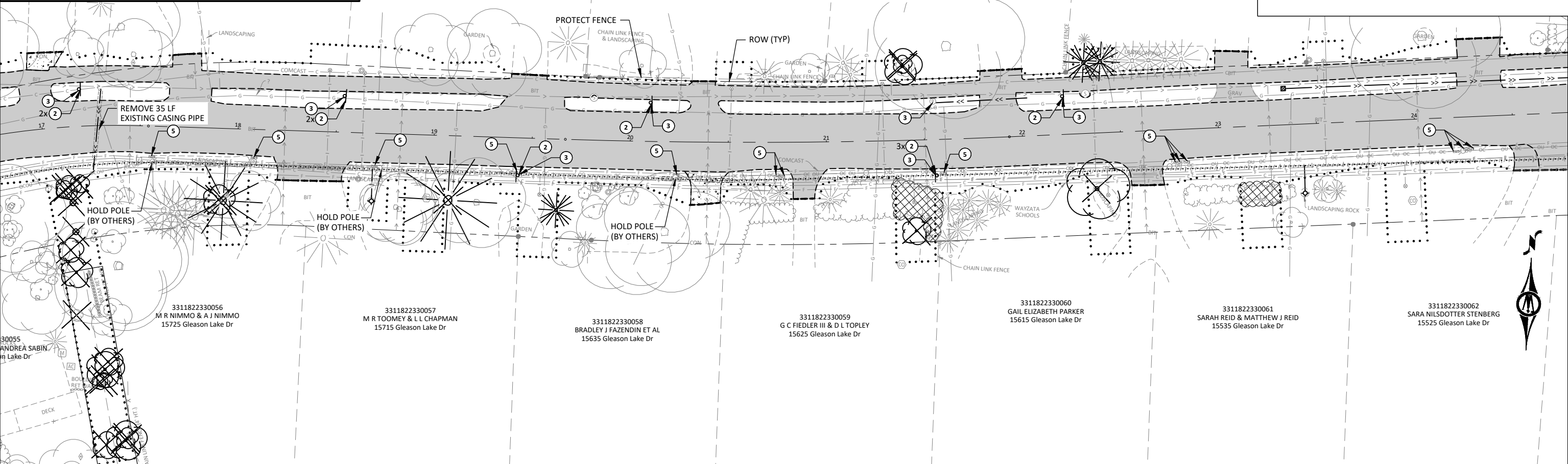
TOWNES LN

GLEASON LAKE DRIVE

LEGEND

≡≡≡≡ REMOVE CURB & GUTTER	----- ABANDON WM
--- SAWCUT BIT / CONCRETE	----- ABANDON STORM SEWER
--- REMOVE WATERMAIN	① SALVAGE SIGN
--- REMOVE HYDRANT	② REMOVE SIGN PANEL
⊙⊙⊙ REMOVE DRAINAGE STRUCTURE	③ REMOVE POST
--- REMOVE STORM SEWER	④ PROTECT SIGN
..... CONSTRUCTION LIMITS	⑤ SALVAGE MAILBOX
✕ TREE REMOVAL	▨ RECLAIM BITUMINOUS PAVEMENT
⊗ SHRUB REMOVAL (INCIDENTAL)	▩ REMOVE CONCRETE PAVEMENT
	■ REMOVE BITUMINOUS PAVEMENT

NOTES:
1. REMOVE TOP SECTION OF VALVE BOX AND SAND FILL VALVE BOX ON ALL MAINLINE GATE VALVES THAT ARE ON ABANDONING WATERMAIN.



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3311822330056
M R NIMMO & A J NIMMO
15725 Gleason Lake Dr

3311822330057
M R TOOMEY & L L CHAPMAN
15715 Gleason Lake Dr

3311822330058
BRADLEY J FAZENDIN ET AL
15635 Gleason Lake Dr

3311822330059
G C FIEDLER III & D L TOPLEY
15625 Gleason Lake Dr

3311822330060
GAIL ELIZABETH PARKER
15615 Gleason Lake Dr

3311822330061
SARAH REID & MATTHEW J REID
15535 Gleason Lake Dr

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SARA NILSDOTTER STENBERG
15525 Gleason Lake Dr



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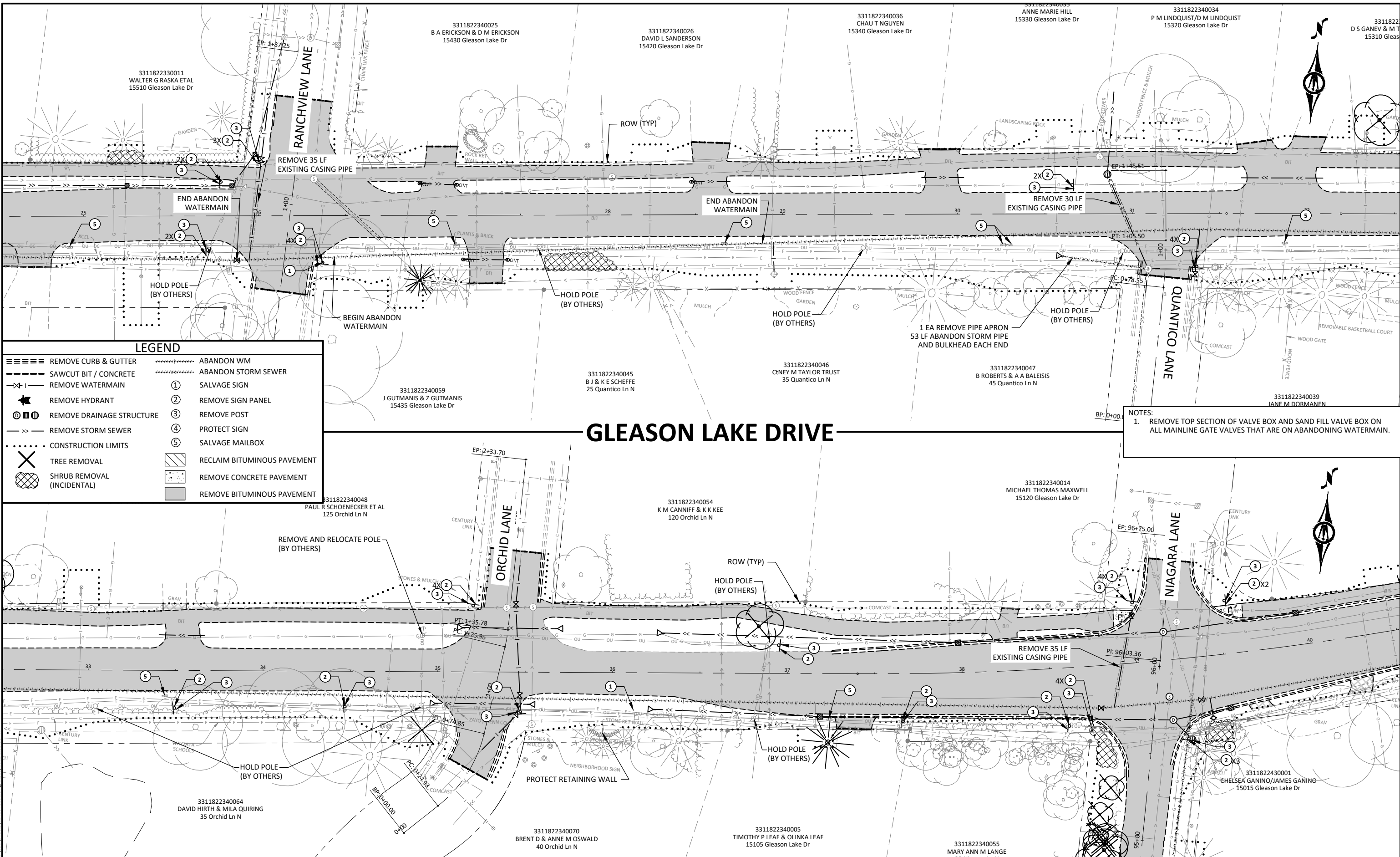
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CITY OF PLYMOUTH, MINNESOTA
GLEASON LAKE DRIVE IMPROVEMENTS
EXISTING CONDITIONS & REMOVAL PLAN
GLEASON LAKE DRIVE

SHEET
C0.01



LEGEND

≡≡≡≡	REMOVE CURB & GUTTER	-----	ABANDON WM
---	SAWCUT BIT / CONCRETE	①	ABANDON STORM SEWER
-X-	REMOVE WATERMAIN	②	SALVAGE SIGN
⚡	REMOVE HYDRANT	③	REMOVE SIGN PANEL
⊙	REMOVE DRAINAGE STRUCTURE	④	REMOVE POST
->>	REMOVE STORM SEWER	⑤	PROTECT SIGN
.....	CONSTRUCTION LIMITS	⑤	SALVAGE MAILBOX
X	TREE REMOVAL	▨	RECLAIM BITUMINOUS PAVEMENT
⊗	SHRUB REMOVAL (INCIDENTAL)	▩	REMOVE CONCRETE PAVEMENT
		■	REMOVE BITUMINOUS PAVEMENT

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 1. REMOVE TOP SECTION OF VALVE BOX AND SAND FILL VALVE BOX ON ALL MAINLINE GATE VALVES THAT ARE ON ABANDONING WATERMAIN.

GLEASON LAKE DRIVE



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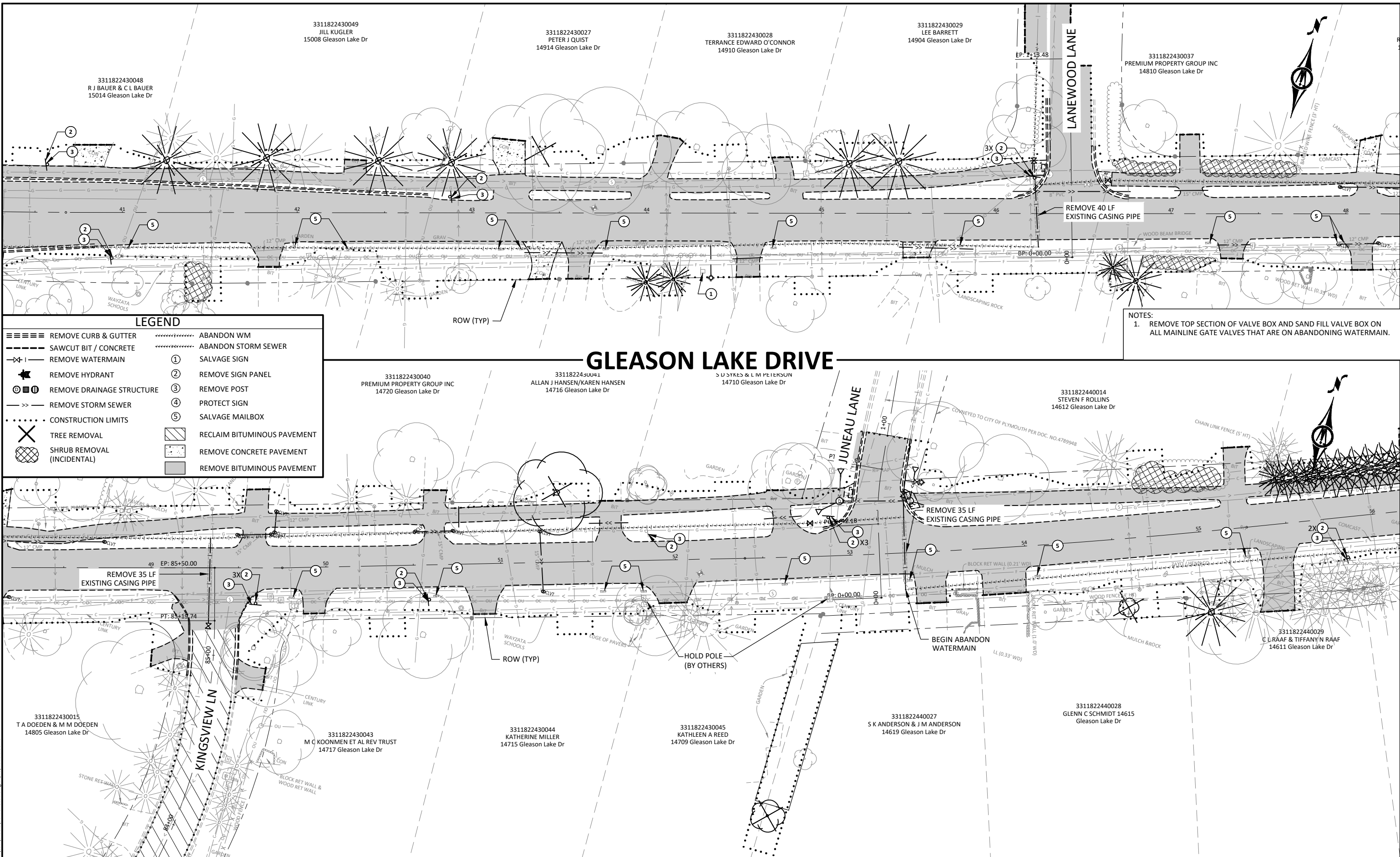


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CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
 EXISTING CONDITIONS & REMOVAL PLAN
 GLEASON LAKE DRIVE

SHEET
C0.02

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LEGEND

=====	REMOVE CURB & GUTTER	-----	ABANDON WM
-----	SAWCUT BIT / CONCRETE	-----	ABANDON STORM SEWER
---X---	REMOVE WATERMAIN	①	SALVAGE SIGN
⚡	REMOVE HYDRANT	②	REMOVE SIGN PANEL
ⓄⓂⓈ	REMOVE DRAINAGE STRUCTURE	③	REMOVE POST
--->---	REMOVE STORM SEWER	④	PROTECT SIGN
.....	CONSTRUCTION LIMITS	⑤	SALVAGE MAILBOX
X	TREE REMOVAL	▨	RECLAIM BITUMINOUS PAVEMENT
⊗	SHRUB REMOVAL (INCIDENTAL)	⊘	REMOVE CONCRETE PAVEMENT
		■	REMOVE BITUMINOUS PAVEMENT

NOTES:
 1. REMOVE TOP SECTION OF VALVE BOX AND SAND FILL VALVE BOX ON ALL MAINLINE GATE VALVES THAT ARE ON ABANDONING WATERMAIN.

GLEASON LAKE DRIVE

3311822430015
 T A DOEDEN & M M DOEDEN
 14805 Gleason Lake Dr

3311822430043
 M C KOONMEN ET AL REV TRUST
 14717 Gleason Lake Dr

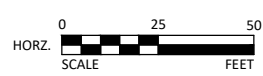
3311822430044
 KATHERINE MILLER
 14715 Gleason Lake Dr

3311822430045
 KATHLEEN A REED
 14709 Gleason Lake Dr

3311822440027
 S K ANDERSON & J M ANDERSON
 14619 Gleason Lake Dr

3311822440028
 GLENN C SCHMIDT
 14615 Gleason Lake Dr

3311822440029
 C L RAAF & TIFFANY N RAAF
 14611 Gleason Lake Dr



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NICHOLAS J AMATUCCIO
 LIC. NO. 53639 DATE XX/XX/2022



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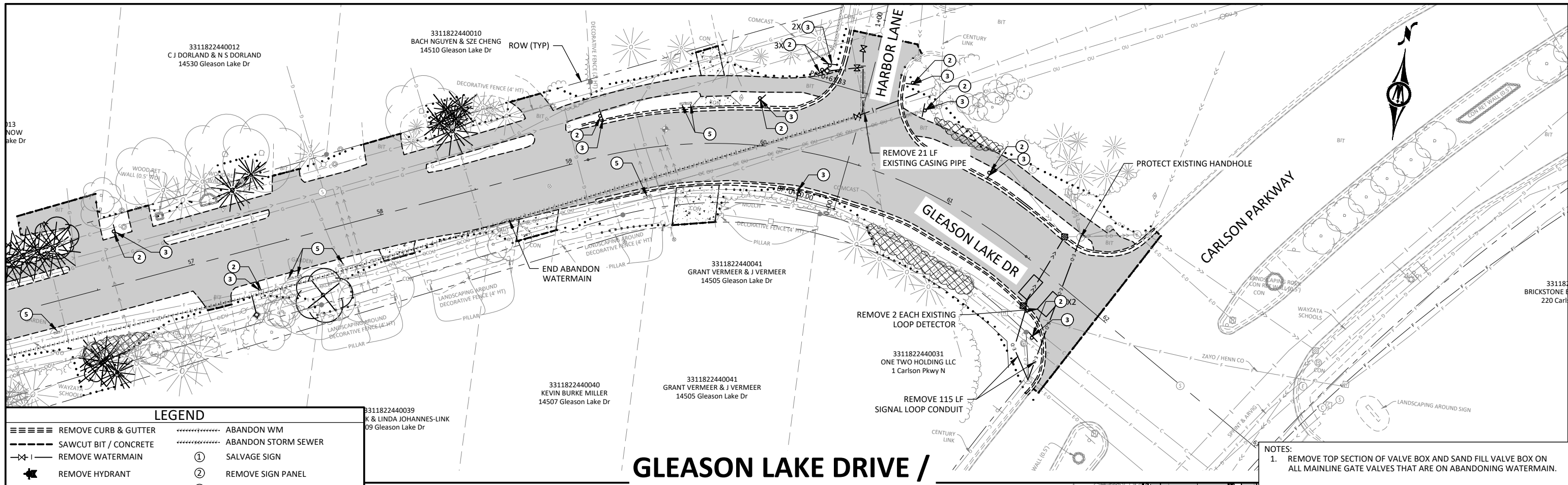


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CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
 EXISTING CONDITIONS & REMOVAL PLAN
 GLEASON LAKE DRIVE

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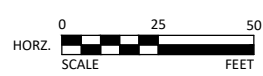
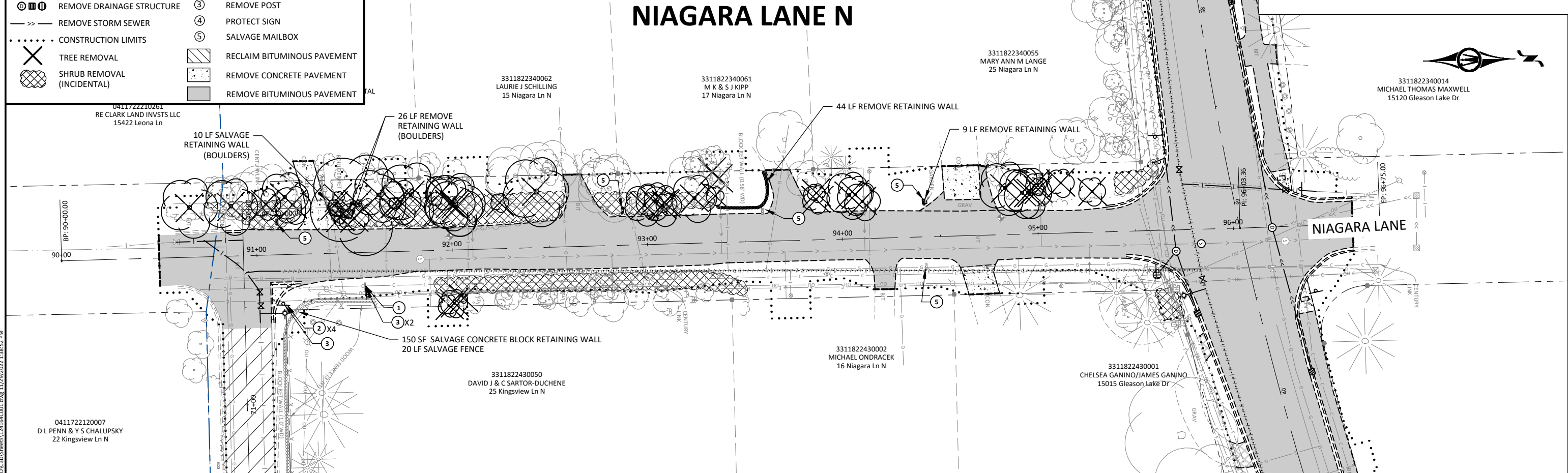


LEGEND

≡≡≡≡	REMOVE CURB & GUTTER	-----	ABANDON WM
---	SAWCUT BIT / CONCRETE	-----	ABANDON STORM SEWER
-X-	REMOVE WATERMAIN	①	SALVAGE SIGN
⚡	REMOVE HYDRANT	②	REMOVE SIGN PANEL
⊙	REMOVE DRAINAGE STRUCTURE	③	REMOVE POST
->>	REMOVE STORM SEWER	④	PROTECT SIGN
.....	CONSTRUCTION LIMITS	⑤	SALVAGE MAILBOX
X	TREE REMOVAL	▨	RECLAIM BITUMINOUS PAVEMENT
⊗	SHRUB REMOVAL (INCIDENTAL)	⊗	REMOVE CONCRETE PAVEMENT
		■	REMOVE BITUMINOUS PAVEMENT

GLEASON LAKE DRIVE / NIAGARA LANE N

NOTES:
 1. REMOVE TOP SECTION OF VALVE BOX AND SAND FILL VALVE BOX ON ALL MAINLINE GATE VALVES THAT ARE ON ABANDONING WATERMAIN.



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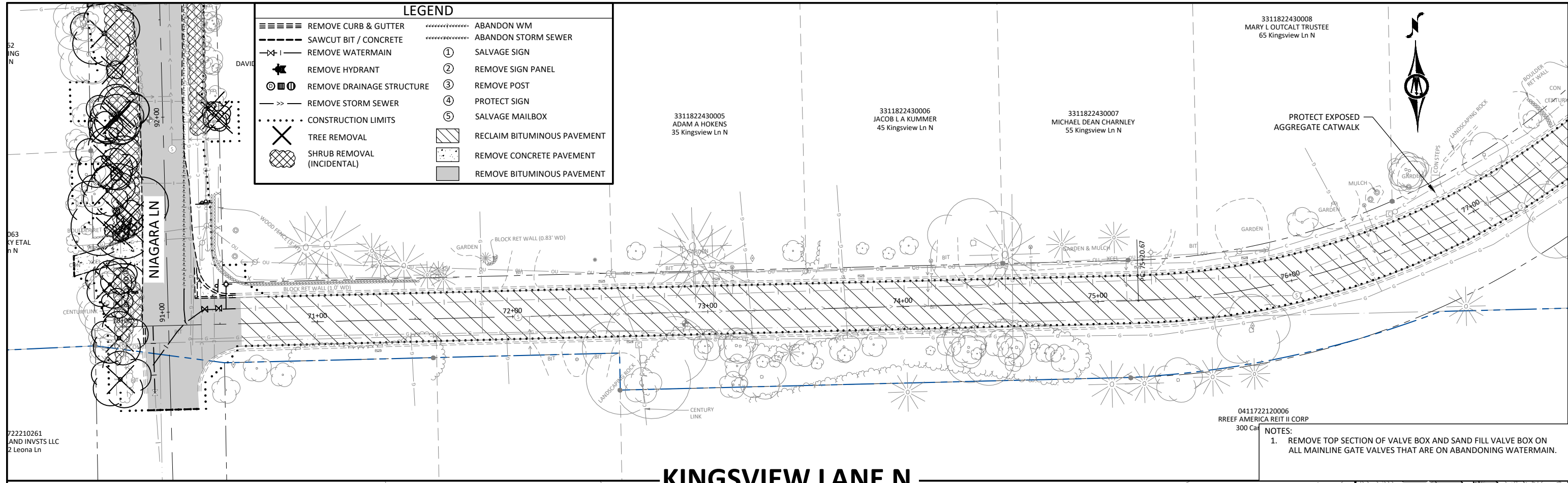
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CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
 EXISTING CONDITIONS & REMOVAL PLAN
 GLEASON LAKE DRIVE & NIAGARA LANE N

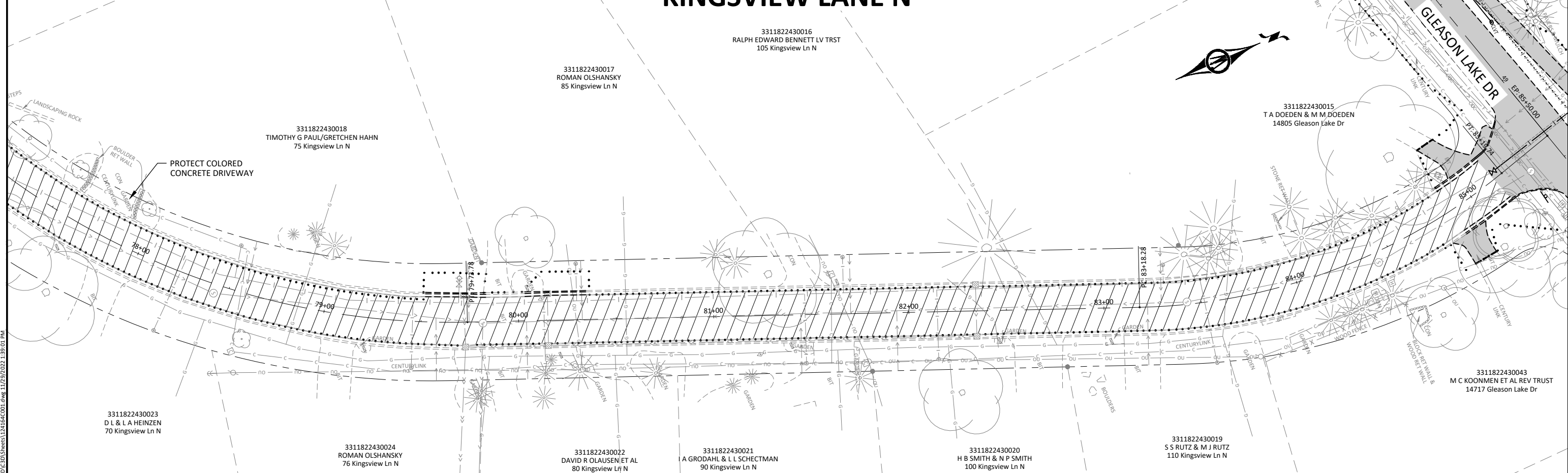
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LEGEND			
	REMOVE CURB & GUTTER		ABANDON WM
	SAWCUT BIT / CONCRETE		ABANDON STORM SEWER
	REMOVE WATERMAIN		① SALVAGE SIGN
	REMOVE HYDRANT		② REMOVE SIGN PANEL
	REMOVE DRAINAGE STRUCTURE		③ REMOVE POST
	REMOVE STORM SEWER		④ PROTECT SIGN
	CONSTRUCTION LIMITS		⑤ SALVAGE MAILBOX
	TREE REMOVAL		RECLAIM BITUMINOUS PAVEMENT
	SHRUB REMOVAL (INCIDENTAL)		REMOVE CONCRETE PAVEMENT
			REMOVE BITUMINOUS PAVEMENT



KINGSVIEW LANE N



NOTES:
 1. REMOVE TOP SECTION OF VALVE BOX AND SAND FILL VALVE BOX ON ALL MAINLINE GATE VALVES THAT ARE ON ABANDONING WATERMAIN.

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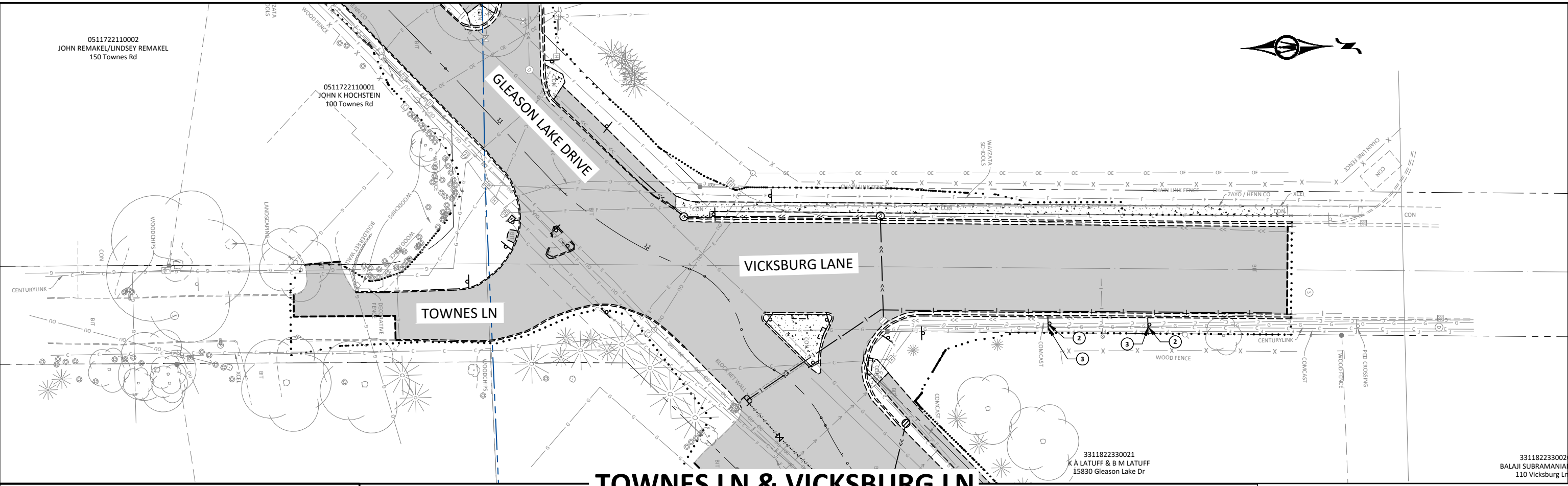
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CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
 EXISTING CONDITIONS & REMOVAL PLAN
 KINGSVIEW LANE N

SHEET
C0.05

0511722110002
JOHN REMAKEL/LINDSEY REMAKEL
150 Townes Rd

0511722110001
JOHN K HOCHSTEIN
100 Townes Rd



3311822330021
K A LATUFF & B M LATUFF
15830 Gleason Lake Dr

331182233002
BALAJI SUBRAMANIAN
110 Vicksburg Ln

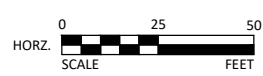
TOWNES LN & VICKSBURG LN

LEGEND

	REMOVE CURB & GUTTER		ABANDON WM
	SAWCUT BIT / CONCRETE		ABANDON STORM SEWER
	REMOVE WATERMAIN	①	SALVAGE SIGN
	REMOVE HYDRANT	②	REMOVE SIGN PANEL
	REMOVE DRAINAGE STRUCTURE	③	REMOVE POST
	REMOVE STORM SEWER	④	PROTECT SIGN
	CONSTRUCTION LIMITS	⑤	SALVAGE MAILBOX
	TREE REMOVAL		RECLAIM BITUMINOUS PAVEMENT
	SHRUB REMOVAL (INCIDENTAL)		REMOVE CONCRETE PAVEMENT
			REMOVE BITUMINOUS PAVEMENT

NOTES:
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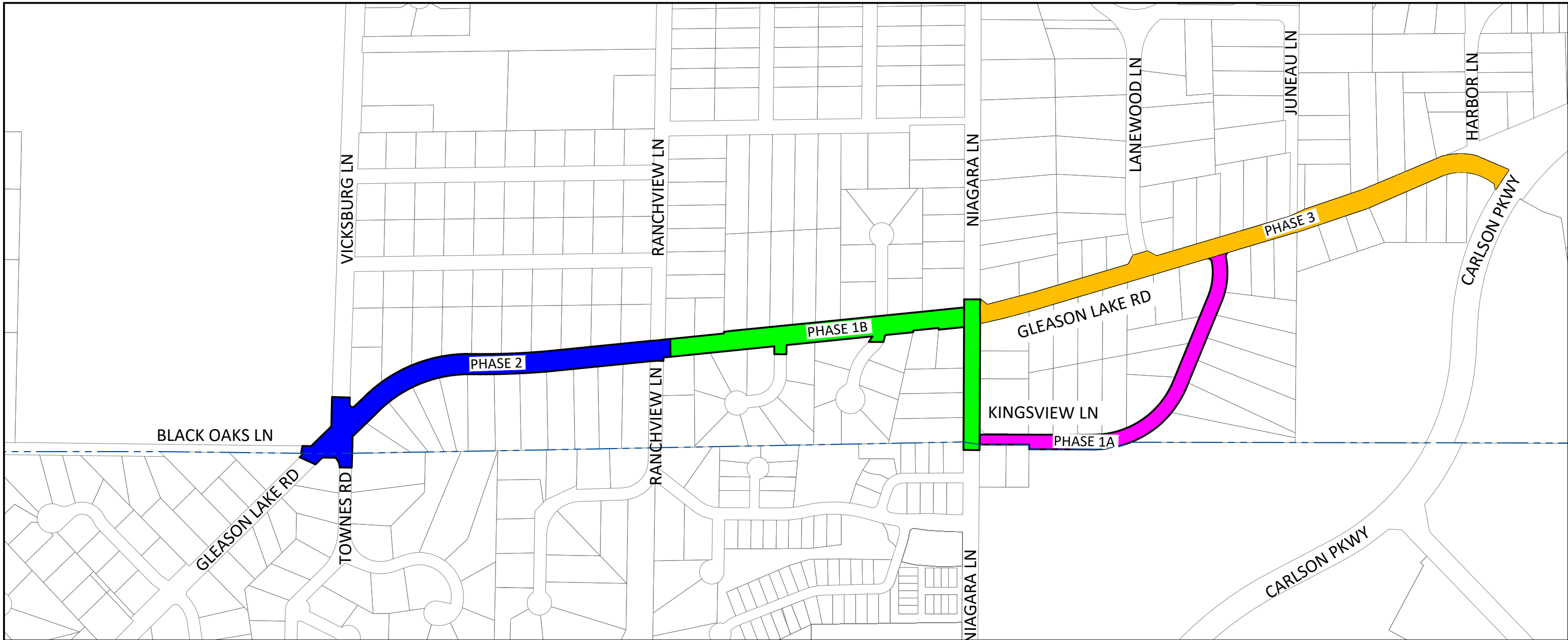
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CITY OF PLYMOUTH, MINNESOTA
GLEASON LAKE DRIVE IMPROVEMENTS
EXISTING CONDITIONS & REMOVAL PLAN
TOWNES LN & VICKSBURG LN

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LEGEND

	PHASE 1A
	PHASE 1B
	PHASE 2
	PHASE 3

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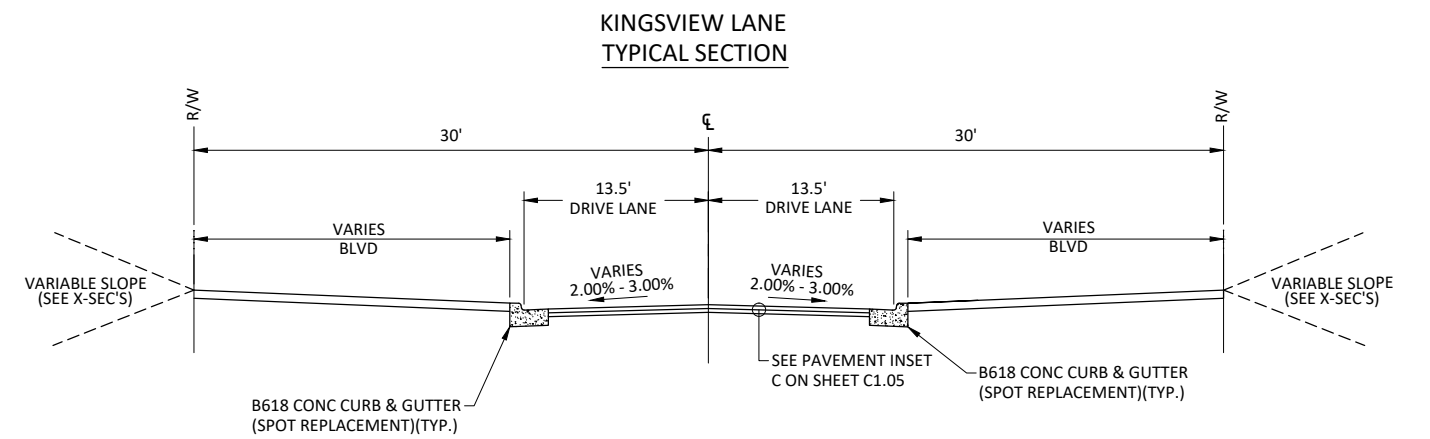
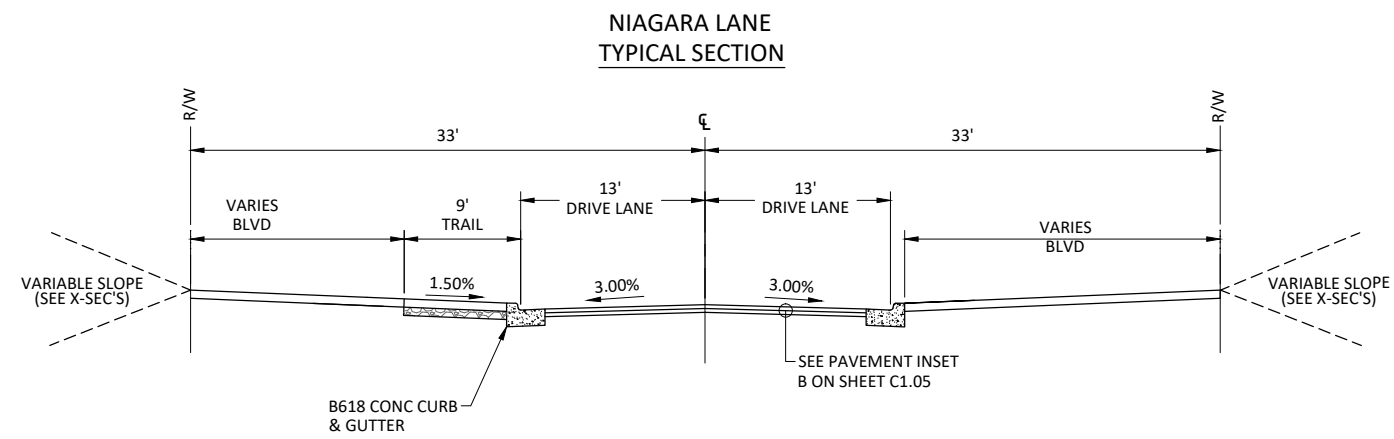
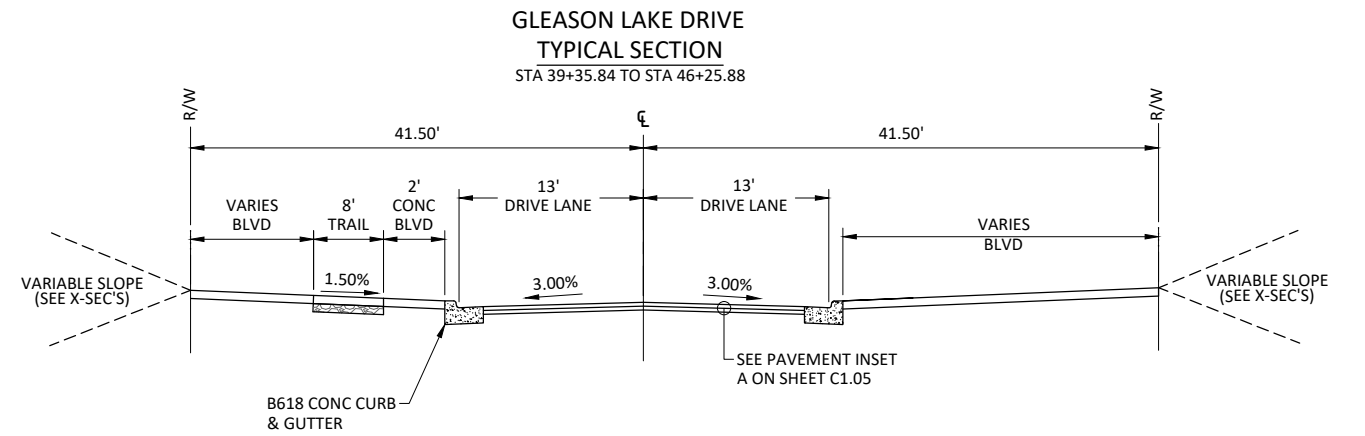
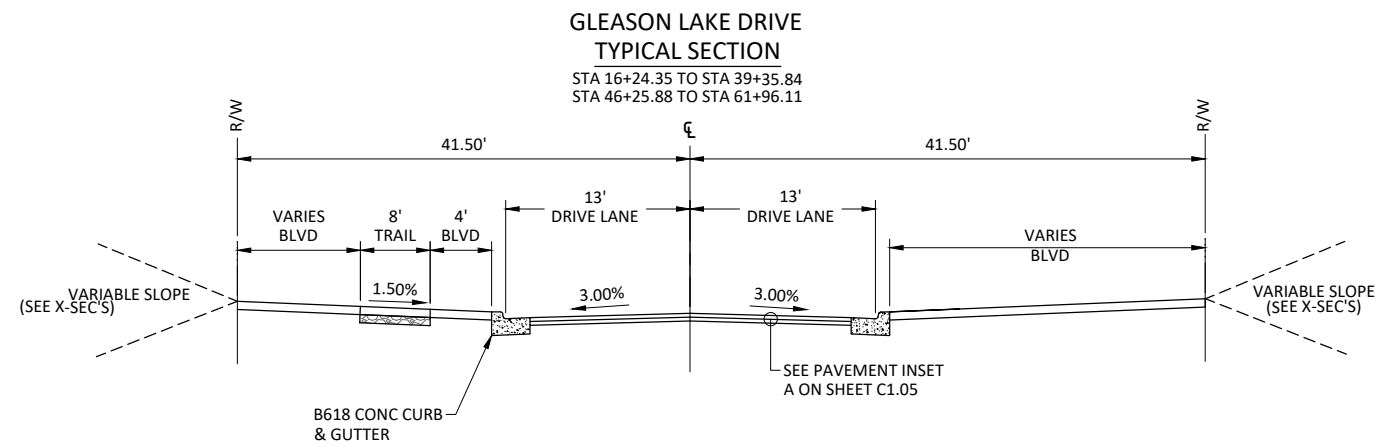
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CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
 PHASING PLAN

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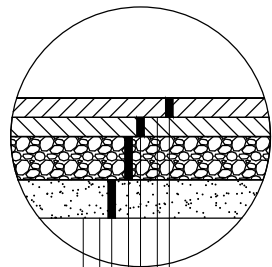
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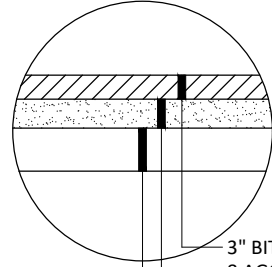
CITY OF PLYMOUTH, MINNESOTA
GLEASON LAKE DRIVE IMPROVEMENTS
TYPICAL SECTIONS

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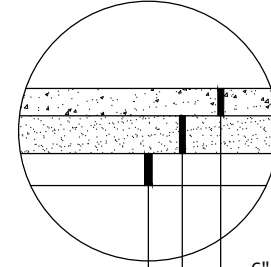
- 2.5" TYPE SP 12.5 WEARING COURSE (SPWEB340C)(2360)
- TACK COAT (2357)
- 2.5" TYPE SP 12.5 WEARING COURSE (SPWEB340C)(2360)
- 8" AGGREGATE BASE, CL 5 (2211)
- 12" SELECT GRANULAR BORROW (2105)
- GEOTEXTILE FABRIC TYPE 5
- SUBGRADE PREPARATION (2112) (INCIDENTAL)

INSET A: GLEASON LAKE DRIVE PROPOSED PAVEMENT SECTION
NOT TO SCALE



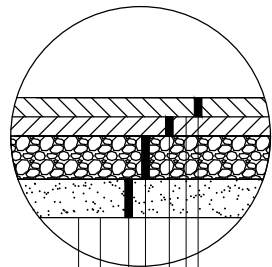
- 3" BITUMINOUS PAVEMENT (SPWEA240B)(2521)
- 8 AGGREGATE BASE, CL 5 (2211)(INCIDENTAL)
- SUBGRADE PREPARATION (2112)(INCIDENTAL)

3" BITUMINOUS TRAIL/DRIVEWAY
NOT TO SCALE



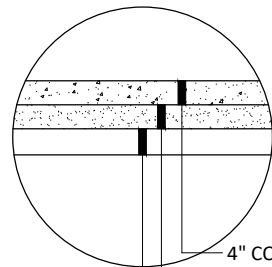
- 6" CONCRETE PAVEMENT (2521)
- 6" AGGREGATE BASE, CL 5 (2211)(INCIDENTAL)
- SUBGRADE PREPARATION (2112) (INCIDENTAL)

6" CONCRETE WALK/DRIVEWAY
NOT TO SCALE



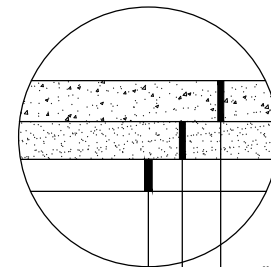
- 2" TYPE SP 12.5 WEARING COURSE(SPWEA240C)(2360)
- TACK COAT (2357)
- 2" TYPE SP 12.5 WEARING COURSE(SPWEA240C)(2360)
- 8" AGGREGATE BASE, CL 5 (2211)
- 12" SELECT GRANULAR BORROW (2105)
- GEOTEXTILE FABRIC TYPE 5
- SUBGRADE PREPARATION (2112) (INCIDENTAL)

INSET B: NIAGRA LANE PROPOSED PAVEMENT SECTION
NOT TO SCALE



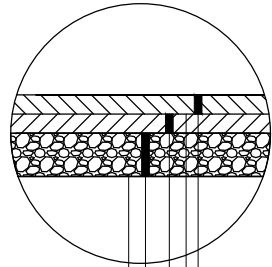
- 4" CONCRETE WALK (2521)
- 4" AGGREGATE BASE, CL 5 (2211)(INCIDENTAL)
- SUBGRADE PREPARATION (2112)(INCIDENTAL)

4" CONCRETE WALK/MEDIAN
NOT TO SCALE



- 8" CONCRETE PAVEMENT (2521)
- 6" AGGREGATE BASE, CL 5 (2211)(INCIDENTAL)
- SUBGRADE PREPARATION (2112) (INCIDENTAL)

8" CONCRETE MEDIAN
NOT TO SCALE



- 2" TYPE SP 12.5 WEARING COURSE(SPWEA240C)(2360)
- TACK COAT (2357)
- 2" TYPE SP 12.5 WEARING COURSE(SPWEA240C)(2360)
- 8" RECLAIMED AGGREGATE BASE (SEE SPECIFICATIONS)
- SUBGRADE PREPARATION (SEE SPECIFICATIONS)

INSET C: KINGSVIEW LANE PROPOSED PAVEMENT SECTION
NOT TO SCALE

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CITY OF PLYMOUTH, MINNESOTA
GLEASON LAKE DRIVE IMPROVEMENTS

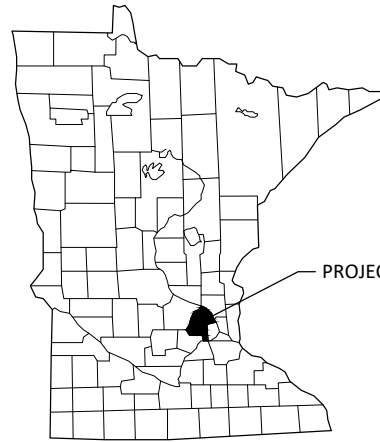
TYPICAL SECTIONS

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STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

GLEASON LAKE DR IMPROVEMENTS
CITY OF PLYMOUTH
HENNEPIN COUNTY, MINNESOTA



PROJECT LOCATION

LEGEND

	1-MILE BOUNDARY
	PROJECT BOUNDARY
	OR IMPAIRED, SPECIAL OR PROTECTED WATERS
	NATIONAL WETLANDS INVENTORY
	CALCAREOUS FEN
	RECEIVING WATERS

PROJECT AREAS:

Total Project Size (disturbed area) =	11.0	ACRES
Existing area of impervious surface =	7.1	ACRES
Post construction area of impervious surface =	7.0	ACRES
Total new impervious surface area created =	-0.1	ACRES
Total fully reconstructed area =	5.8	ACRES

Planned Construction Start Date:	04/01/2023
Estimated Construction Completion Date:	11/30/2023

PERMANENT STORMWATER MANAGEMENT SYSTEM:

Type of storm water management used if more than 1 acre of new impervious surface is created:

<input type="checkbox"/>	Wet Sedimentation Basin
<input type="checkbox"/>	Infiltration/Filtration
<input type="checkbox"/>	Regional Pond
<input checked="" type="checkbox"/>	Permanent Stormwater Management Not Required Less than 1 acre of impervious surface created

PROJECT LOCATION:

COUNTY	TOWNSHIP	RANGE	SECTION	LATITUDE	LONGITUDE
HENNEPIN	T-118N	R22W	33,34	44.9789°	-93.4813°

BMP SUMMARY	QUANTITY	UNIT
STORM DRAIN INLET PROTECTION	55	EACH
SEDIMENT CONTROL LOG TYPE WOOD FIBER	42	LF
HYDROMULCH & SEED	1686	SY
SILT FENCE	4643	LF
SODDING TYPE LAWN	15573	SY

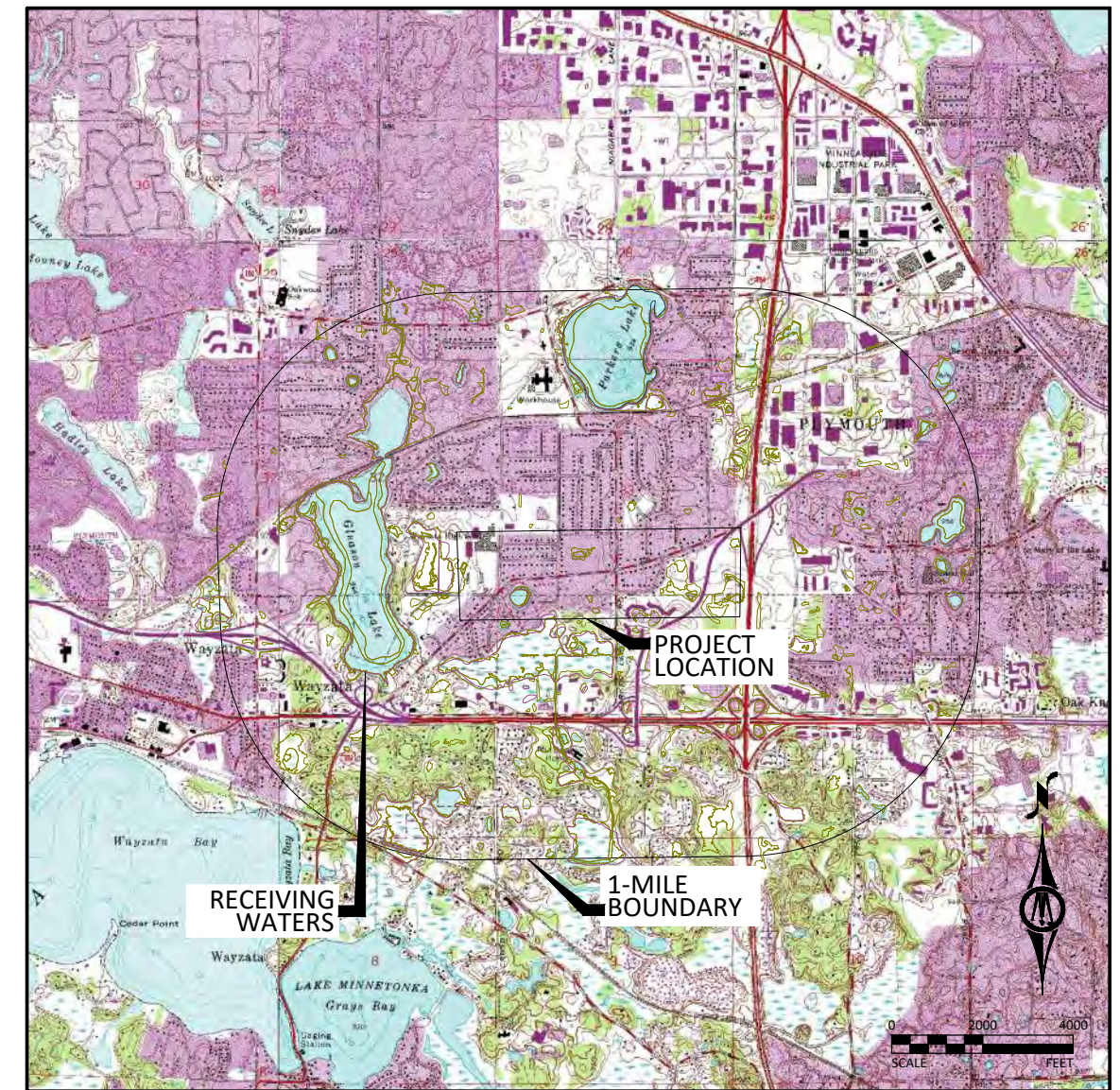
DESCRIPTION OF CONSTRUCTION ACTIVITIES AND STORMWATER MANAGEMENT:

Construction activities include: Street Reconstruction, Street Reclamation, Concrete Curb & Gutter, Storm Sewer, Sanitary Sewer, Water main, Temporary Erosion and Sediment Control, Permanent Stabilization

Stormwater currently travels through ditch sections and culverts along Gleason Lake Dr. Stormwater drains to Gleason Lake and several ponds/wetlands along Gleason Lake Dr, ultimately outleting to Lake Minnetonka, Medicine Lake, and eventually the Mississippi River.

After construction is complete stormwater will be collected into the storm sewer system and outlet to the same locations as prior to construction.

This project includes the stormwater management BMPs as shown in the above table.



RECEIVING WATERS:

Receiving waters, including surface water, wetlands, Public Waters, and stormwater ponds, within 1-mile of the project boundary are identified on the USGS 7.5 min quad map above. Receiving waters that are impaired, the impairment, and WLA are listed as follows. All specific BMPs relative to construction activities listed in the permit for special, prohibited, restricted, or impaired have been incorporated into this plan. All specific BMPs listed in approved TMDLs and those BMPs listed for construction related waste load allocations have also been incorporated.

NAME OF WATER BODY	TYPE (ditch, pond, wetland, lake, etc.)	Special, Prohibited, Restricted Water ¹	Flows to Impaired Water Within 1-Mile ²	USEPA Approved Construction Related TMDL ³
GLEASON LAKE	LAKE	NO	NO	YES

¹ Special, prohibited, and restricted waters are listed in Section 23 of the MN Construction Stormwater General Permit (MNR100001).

² Identified as impaired under section 303 (d) of the federal Clean Water Act for phosphorus, turbidity, TSS, dissolved oxygen, and/or aquatic biota.

³ Construction Related TMDLs include those related to: phosphorus, turbidity, TSS, dissolved oxygen, and/or aquatic biota.

IMPLEMENTATION SCHEDULE AND PHASING: The Contractor is required to provide an updated schedule and site management plan meeting the minimum requirements of Section 1717 of the Minnesota Standard Specifications for Construction.

- 1) Submit SWPPP Updates to Engineer. Submittal shall include any requested changes to the SWPPP, including but not limited to: Trained Personnel, Locations for Stockpiles, Concrete Washout, Sanitation Facilities, Types and Locations of Erosion & Sediment Control. Failure to submit updates shall be considered acceptance of the SWPPP as designed with no changes.
- 2) Install perimeter sediment control, inlet protection, and construction exit.
- 3) Perform Removals.
- 4) Install Utilities.
- 8) Add additional temporary BMPs as necessary during construction based on inspection reports.
- 9) Install curb and gutter and bituminous paving.
- 10) Ensure final stabilization measures are complete.
- 11) Provide digital copy of all Field SWPPP Documentation including Inspection Reports and SWPPP Revisions to the Owner.
- 12) Submit Notice of Termination (NOT) to MPCA. NOTE: The NOT must be submitted to MPCA before Final Stabilization is considered complete.

RESPONSIBLE PARTIES:

The Contractor and Owner will be joint applicants under the MPCA's General Stormwater Permit for Construction Activity as required by the National Pollutant Discharge Elimination System (NPDES) Phase II program.

The Contractor shall provide one or more trained Construction SWPPP Manager(s) knowledgeable and experienced in the application of erosion prevention and sediment control BMPs that will oversee the implementation of the SWPPP, and the installation, inspection and maintenance of the erosion prevention and sediment control BMPs.

A Construction SWPPP Manager must be available for an on-site inspection within 72 hours upon request by the MPCA.

	COMPANY	CONTACT PERSON	PHONE
OWNER:	City of Plymouth	Mike Payne	763-509-5538
SWPPP DESIGNER:	Bolton & Menk, Inc.	Miranda Etienne	952-890-0509
CONTRACTOR:	TBD	TBD	TBD
CONSTRUCTION SWPPP MANAGER:	TBD	TBD	TBD
PARTY RESPONSIBLE FOR LONG TERM O&M:	City of Plymouth	Mike Payne	763-509-5538

The SWPPP Designer, Construction SWPPP Manager, and BMP Installer must have appropriate training. Documentation showing training commensurate with the job duties and responsibilities is required to be included in the SWPPP prior to any work beginning on the site. Training documentation for the SWPPP Designer is included on the Narrative sheet. The Contractor shall attach training documentation to this SWPPP for the Construction SWPPP Manager and BMP Installer prior to the start of construction. This information shall be kept up to date until the project NOT is filed.

ADDITIONAL COMPENSATION

Payment for all work associated with Erosion and Sediment Control shall be as described in the Project Manual. Unless otherwise authorized by the Owner no additional payment shall be made for any work required to administer and maintain the site erosion and sediment control in compliance with the Minnesota Pollution Control Agency (MPCA) - General Stormwater Permit for Construction Activity (MN R100001) including but not limited to inspection, maintenance, and removal of BMPs or addition of BMPs to accommodate Contractor phasing.

DOCUMENT RETENTION

Permittees must make the SWPPP, including all inspection reports, maintenance records, training records and other information required by this permit, available to federal, state, and local officials within three (3) days upon request for the duration of the permit and for three (3) years following the NOT.

GENERAL STORMWATER DISCHARGE REQUIREMENTS

All requirements listed in Section 5.1 of the Permit for the design of the permanent stormwater management system and discharge have been included in the preparation of this SWPPP. These include but are not limited to:

1. The expected amount, frequency, intensity, and duration of precipitation.
2. The nature of stormwater runoff and run-on at the site
3. Peak flow rates and stormwater volumes to minimize erosion at outlets and downstream channel and stream bank erosion.
4. The range of soil particle sizes expected to be present on the site.

Permanent stormwater treatment systems for this project have been designed in accordance with the guidance in the MN Stormwater Manual in place at the time of bidding. Copies of the design information and calculations are part of this SWPPP and will be provided in digital format upon written request to the Engineer.

Information contained in this SWPPP narrative sheet summarizes requirements of the GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM PROGRAM - Permit No: MN R100001 (Permit) as they apply to this project. All provisions of the Permit including those not specifically cited herein shall apply to this project. The Contractor is responsible to be familiar with and comply with all conditions of the permit. The full text of the Permit is available at: <https://www.pca.state.mn.us/sites/default/files/wq-strm2-80a.pdf>

SWPPP AMENDMENTS AND SUBMITTALS

Contractor must prepare and submit to the Engineer a SWPPP amendment as necessary to include additional Best Management Practices (BMPs) to correct problems identified or address the following situations.

1. Contact information and training documentation for Construction SWPPP Manager and BMP Installer,
2. There is a change in construction method of phasing, operation, maintenance, weather or seasonal conditions not anticipated during the design of the SWPPP including but not limited to:
 - a. Types and/or Locations of BMPs
 - b. Material Storage and Spill Response
 - c. Fueling Plans
 - d. Locations for Stockpiles, Concrete Washout, and Sanitation Facilities and
 - e. Project Phasing
3. It is determined that the SWPPP is not achieving objectives of minimizing pollutants in stormwater discharges associated with construction activity, or
4. The SWPPP is not consistent with the terms and conditions of the permit.

The Contractor may implement SWPPP amendments immediately and is not required to wait for Engineer review of the submittal. The responsibility for completeness of SWPPP amendments and compliance with the Permit lies with the Contractor. Review, comment, or lack of comment by the Engineer on a SWPPP amendment shall not absolve the responsibilities of the Contractor in any way.

If a change order is issued for a design change the SWPPP amendment will be prepared by the Engineer and included in the change order.

In addition to SWPPP amendments, the Contractor shall submit to the Engineer Weekly Erosion and Sediment Control Schedule meeting the requirements of MnDOT 1717.

The Contractor shall keep copies of all SWPPP amendments, Weekly Erosion and Sediment Control Schedules, inspection logs, and maintenance logs with the field copy of the SWPPP. A PDF copy of these documents will be provided along with a copy of the final Field Copy of the SWPPP to the Engineer along with the signed Notice of Termination when final stabilization is complete.

EROSION PREVENTION PRACTICES

Stormwater conveyance channels shall be routed around unstabilized areas. Erosion controls and velocity dissipation devices shall be used at outlets within and along the length of any constructed conveyance channel.

The normal wetted perimeter of all ditches or swales, including storm water management pond slopes, that drain waters from the site must be stabilized within 200' of any property edge or discharge point, including storm sewer inlets, within 24 hours of connection.

Temporary or permanent ditches or swales used as sediment containment during construction do not need to be stabilized during temporary period of use and shall be stabilized within 24 hours after no longer used as sediment containment.

Mulch, hydromulch, tackifier, or similar practice shall not be used in any portion of the wetted perimeter of a temporary or permanent drainage ditch or swale section with a continuous slope of greater than 2 percent.

Energy dissipation shall be installed at all temporary or permanent pipe outlets within 24 hours of connection to a surface water or permanent stormwater treatment system.

The Contractor shall phase construction and use construction methods to the extent practical to minimize exposed soils. The project phasing shall be documented in the Weekly Erosion and Sediment Control Schedule.

SEDIMENT CONTROL PRACTICES

Down gradient BMPs including perimeter BMPs must be in place before up gradient land- disturbing activities begin and shall remain in place until final stabilization.

All BMPs that have been adjusted or removed to accommodate short-term activities shall be re-installed or replaced the earlier of the end of the work day or before the next precipitation event even if the activity is not complete.

Inlet BMPs may be removed for specific safety concerns. The BMPs shall be replaced as soon as the safety concern is resolved. The removal shall be documented in the SWPPP as a SWPPP amendment.

Temporary stockpiles must have sediment control BMPs. The Contractor shall prepare and submit to the Engineer a SWPPP amendment showing the location of temporary stockpiles and the BMPs for each stockpile. The SWPPP amendment must meet the minimum requirements of Section 9 of the Permit.

Soil compaction shall be minimized and topsoil shall be preserved, unless infeasible or if construction activities dictate soil compaction or topsoil stripping.

The use of polymers, flocculants, or other sedimentation treatment chemicals are not proposed as part of this SWPPP as designed by the Engineer. If methods or phasing of construction require the use of any of these chemicals, the Contractor shall prepare and submit to the Engineer a SWPPP amendment that meets the minimum requirements of Section 9 of the Permit.

TEMPORARY SEDIMENTATION BASINS

A temporary sedimentation basin has not been included in this SWPPP as designed by the Engineer. If a basin is later determined to be desirable or necessary the Contractor shall prepare and submit to the Engineer a SWPPP amendment. Temporary sedimentation basins shall meet or exceed the minimum requirements of Section 14 of the Permit and shall include a basin draining plan meeting or exceeding the minimum requirements of Section 10 of the Permit. Where the site discharges to Special and/or Impaired Waters the SWPPP amendment shall also meet or exceed the minimum requirements of Section 23 of the permit.

DEWATERING

A dewatering plan has not been included in this SWPPP as designed by the Engineer. If dewatering is required for this project, the Contractor shall prepare and submit to the Engineer a SWPPP amendment. All dewatering shall meet or exceed the minimum requirements of Section 10 of the Permit.

POLLUTION PREVENTION

Products and materials that have the potential to leach pollutants that are stored on the site must be stored in a manner designed to minimize contact with stormwater. Materials that are not a source of potential contamination to stormwater or that are designed for exposure to stormwater are not required to be covered.

Hazardous materials including but not limited to pesticides, fertilizer, petroleum products, curing compounds and toxic waste must be properly stored and protected from stormwater exposure as recommended by the manufacturer in an access restricted area.

Solid waste must be stored, collected and disposed of in compliance with Minnesota Administrative Rules Chapter 7035.

Portable toilets must be positioned so that they are secure and will not be tipped or knocked over. Sanitary waste must be disposed of properly in accordance with Minn. R. CH 7041.

Exterior vehicle or equipment washing on the project site shall be limited to a defined area of the site. No engine degreasing is allowed on site. A sign must be installed adjacent to each washout facility that requires site personnel to utilize the proper facilities for disposal of concrete and other washout wastes.

The Contractor shall prepare and submit a SWPPP amendment detailing the location and BMPs proposed for storage of materials, solid waste, portable toilets, and exterior vehicle or equipment washing on the site. The SWPPP amendment shall include a spill prevention and response plan that is appropriate for the materials proposed to be on the site. The SWPPP amendment shall meet or exceed the minimum requirements of Section 12 of the Permit.

INSPECTION & MAINTENANCE

A trained person shall routinely inspect the entire construction site at the time interval indicated on this sheet of the SWPPP during active construction and within 24-hours after a rainfall event greater than 0.5 inches in 24 hours. Following an inspection that occurs within 24-hours after a rainfall event, the next inspection must be conducted at the time interval indicated in the Receiving Waters Table found on the SITE PLAN AND INFORMATION SHEET of the SWPPP.

All inspections and maintenance conducted during construction must be recorded on the day it is completed and must be retained with the SWPPP. Inspection report forms are available in the Project Specifications. Inspection report forms other than those provided shall be approved by the engineer.

The Contractor may request a change in inspection schedule for the following conditions:

- a. Inspections of areas with permanent cover to be reduced to once per month,
- b. Inspections of areas that have permanent cover and have had no construction activity for 12 months to be suspended until construction resumes,
- c. Inspections of areas where construction is suspended due to frozen ground conditions, inspections to be suspended until the earlier of within 24 hours of runoff occurring, or upon resuming construction.

No change in inspection schedule shall occur until authorized by the Engineer.

Inspections must include:

1. All erosion prevention and sediment control BMPs and Pollution Prevention Management Measures to ensure integrity and effectiveness.
2. Surface waters, including drainage ditches and conveyance systems for evidence of erosion and sediment deposition.
3. Construction site vehicle exit locations, streets and curb and gutter systems within and adjacent to the project for sedimentation from erosion or tracked sediment from vehicles.
4. Infiltration areas to ensure that no sediment from ongoing construction activity is reaching the infiltration area and that equipment is not being driven across the infiltration area.

All non-functioning BMPs and those BMPs where sediment reaches one-half (1/2) of the depth of the BMP, or in the case of sediment basins one-half (1/2) of the storage volume, must be repaired, replaced, or supplemented by the end of the next business day after discovery, or as soon as field conditions allow.

Permittees must repair, replace or supplement all nonfunctional BMPs with functional BMPs by the end of the next business day after discovery, or as soon as field conditions allow.

Any sediment that escapes the site must be removed and the area stabilized within 7 calendar days of discovery unless precluded by legal, regulatory, or physical access in which case the work shall be completed within 7 calendar days of authorization. Paved surfaces such as streets shall have any escaped or tracked sediment removed by the end of the day that it is discovered. Sediment release, other than paved surfaces that can be cleaned up with street sweeping shall be reported immediately upon discovery to the Engineer.

PUBLIC WATER RESTRICTIONS:

For public waters that have been promulgated "work in water restrictions" during fish spawning time frames, all exposed soil areas that are within 200 feet of the water's edge, and drain to these waters must complete stabilization within 24-hours during the time period. MN DNR permits are not valid for work in waters that are designated as infested waters unless accompanied by an Infested Waters Permit or written notification has been obtained from MN DNR stating that such permit is not required. There is no exception for pre-existing permits. If a MN DNR Permit has been issued for the project and the water is later designated as infested, the Contractor shall halt all work covered by the MN DNR Permit until an Infested Waters Permit is obtained or that written notification is obtained stating that such permit is not required.

FINAL STABILIZATION

Final Stabilization is not complete until all the following requirements have been met:

1. Substantial Completion has been reached and no ground disturbing activities are anticipated.
2. Permanent cover has been installed with an established minimum uniform perennial vegetation density of 70 percent of its expected final growth. Vegetation is not required in areas where no vegetation is proposed by this project such as impervious surfaces or the base of a sand filter.

3. Accumulated sediment has been removed from all permanent stormwater treatment systems as necessary to ensure the system is operating as designed.
4. All sediment has been removed from conveyance systems
5. All temporary synthetic erosion prevention and sediment control BMPs have been removed. BMPs designated on the SWPPP to remain to decompose on-site may remain.
6. For residential construction only, permit coverage terminates on individual lots if the structures are finished and temporary erosion prevention and downgradient perimeter control is complete, the residence sells to the homeowner, and the permittee distributes the MPCA's "Homeowner Fact Sheet" to the homeowner.
7. For agricultural land only (e.g., pipelines across cropland), the disturbed land must be returned to its preconstruction agricultural use prior to submitting the NOT.

SITE STABILIZATION COMPLETION:

Stabilization of exposed soils shall begin immediately and shall be completed after the construction activity has temporarily or permanently ceased no later than:	7 calendar days
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SITE INSPECTION INTERVAL:

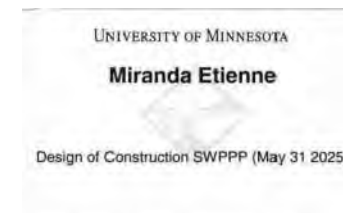
A trained person shall routinely inspect the entire construction site during active construction at an interval of no more than:	7 calendar days
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SPECIAL ENVIRONMENTAL CONSIDERATIONS AND PERMITS:

1)	Was an environmental review required for this project or any part of a common plan of development or sale that includes all or any portion of this project?	NO
2)	Does any portion of the site have the potential to affect threatened or endangered species or their critical habitat?	NO
3)	Does any portion of this site discharge to a Calcareous fen.	NO
4)	Will any portion of the site potentially affect properties listed on the National Register of Historic Places or a known or discovered archeological site?	NO
5)	Have any Karst features been identified in the project vicinity?	NO
6)	Is compliance with temporary or permanent stormwater management design requirements infeasible for this project?	NO
7)	Has the MN DNR promulgated "work in water restrictions" for any Public Water this site discharges to during fish spawning?	NO

TYPE OF PERMIT	PERMITTING AGENCY	PERMIT STATUS AND CONDITIONS
CONSTRUCTION STORMWATER NPDES	MPCA	TO BE APPLIED FOR
EROSION/SEDIMENT CONTROL	MCWD	
EROSION/SEDIMENT CONTROL	BCWMC	

SWPPP DESIGNER TRAINING DOCUMENTATION:

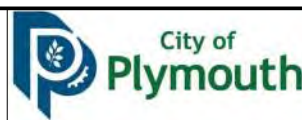


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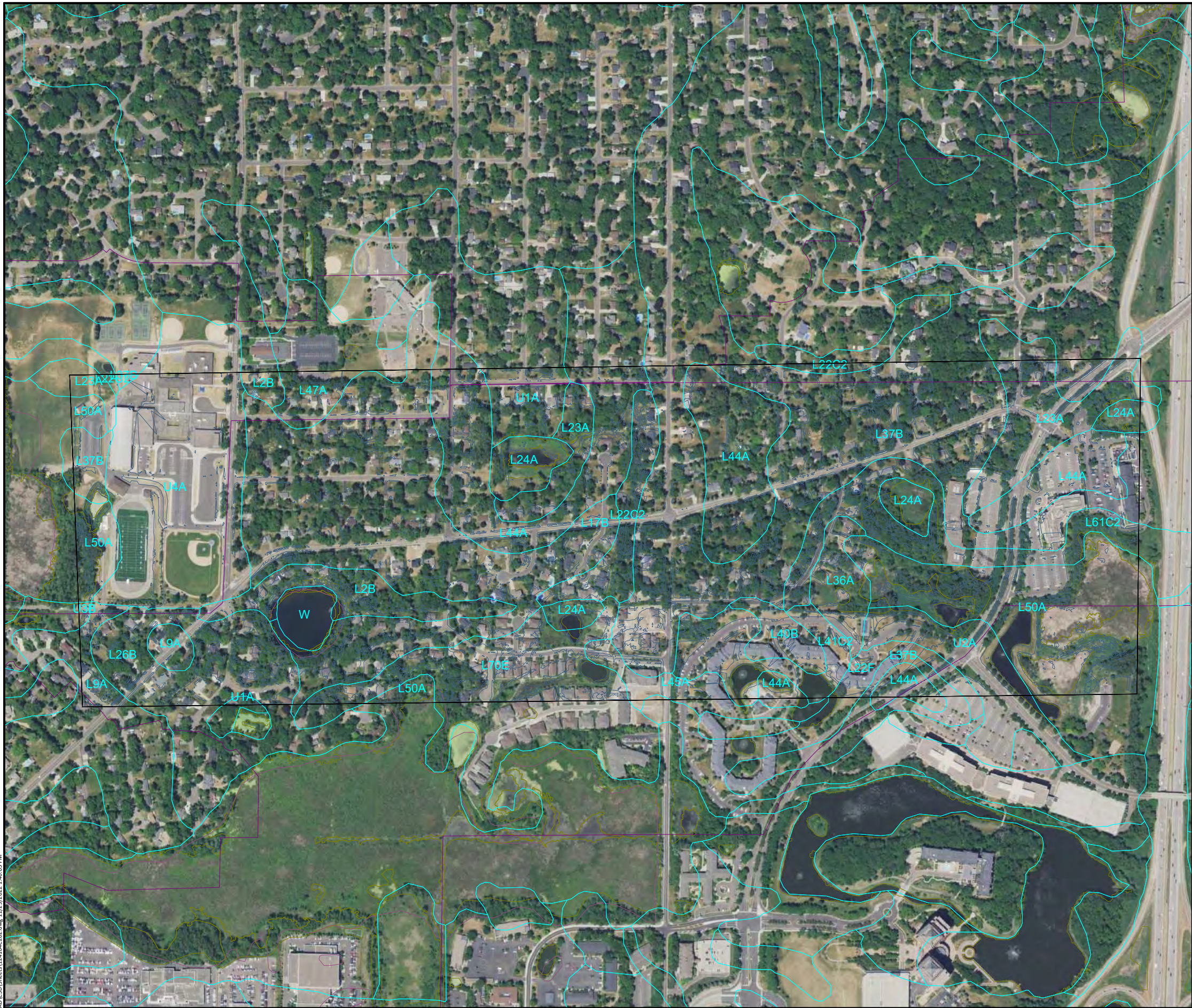
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CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
 STORMWATER POLLUTION PREVENTION PLAN
 NARRATIVE

SHEET
C2.02



LEGEND

- PROJECT BOUNDARY
- SOIL TYPE
- IMPAIRED, SPECIAL OR PROTECTED WATERS
- NATIONAL WETLANDS INVENTORY
- DWSMA, LOW VULNERABILITY
- STEEP SLOPES (>33.3%)
- RECEIVING WATERS

SCALE FEET

SOIL TYPE SUMMARY

Map Unit Symbol	Soil Name	Hyd. Soil Group	Erodibility
L17B	Angus-Malardi complex, 2 to 6 percent slopes	A	NHEL
L22C2	Lester loam, morainic, 6 to 12 percent slopes, eroded	B	NHEL
L22F	Lester loam, morainic, 25 to 35 percent slopes	B	NHEL
L23A	Cordova loam, 0 to 2 percent slopes	C/D	NHEL
L24A	Glencoe loam, depressional, 0 to 1 percent slopes	B/D	NHEL
L26B	Shorewood silty clay loam, 3 to 6 percent slopes	C/D	NHEL
L2B	Malardi-Hawick complex, 1 to 6 percent slopes	A	NHEL
L36A	Hamel, overwash-Hamel complex, 1 to 4 percent slopes	C/D	NHEL
L37B	Angus loam, 2 to 6 percent slopes	C	NHEL
L40B	Angus-Kilkenny complex, 2 to 6 percent slopes	C/D	NHEL
L41C2	Lester-Kilkenny complex, 6 to 12 percent slopes, eroded	B	NHEL
L44A	Nessel loam, 1 to 3 percent slopes	C	NHEL
L45A	Dundas-Cordova complex, 0 to 3 percent slopes	C/D	NHEL
L50A	Houghton and Muskego soils, depressional, 0 to 1 percent slopes	C/D	NHEL
L61C2	Lester-Metea complex, 6 to 12 percent slopes, eroded	B	NHEL
L70E	Lester-Malardi complex, 18 to 35 percent slopes	B	NHEL
L9A	Minnetonka silty clay loam, 0 to 2 percent slopes	C/D	NHEL
U1A	Urban land-Udorthents, wet substratum, complex, 0 to 2 percent slopes		NHEL
U2A	Udorthents, wet substratum, 0 to 2 percent slopes		NHEL
U4A	Urban land-Udipsamments (cut and fill land) complex, 0 to 2 percent slopes		NHEL

NHEL - Not Highly Erodible Land
 PHEL - Potentially Highly Erodible Land
 HEL - Highly Erodible Land

LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN

DESCRIPTION	SHEET NO.
SITE MAP	C2.01
DIRECTION OF FLOW	C2.04 - C2.08
FINAL STABILIZATION	C2.04 - C2.08
SOILS	C2.03
DRAINAGE STRUCTURES	C5.01 - C5.08
DRAINAGE TABULATION	C1.03
STORM SEWER PLAN & PROFILE SHEETS	C5.01 - C5.08
EROSION & SEDIMENT CONTROL DETAILS	C8.07 - C8.10
EROSION CONTROL TABULATION	C2.01
TURF ESTABLISHMENT TABULATION	C2.01
NARRATIVE & NOTES	C2.01 - C2.02

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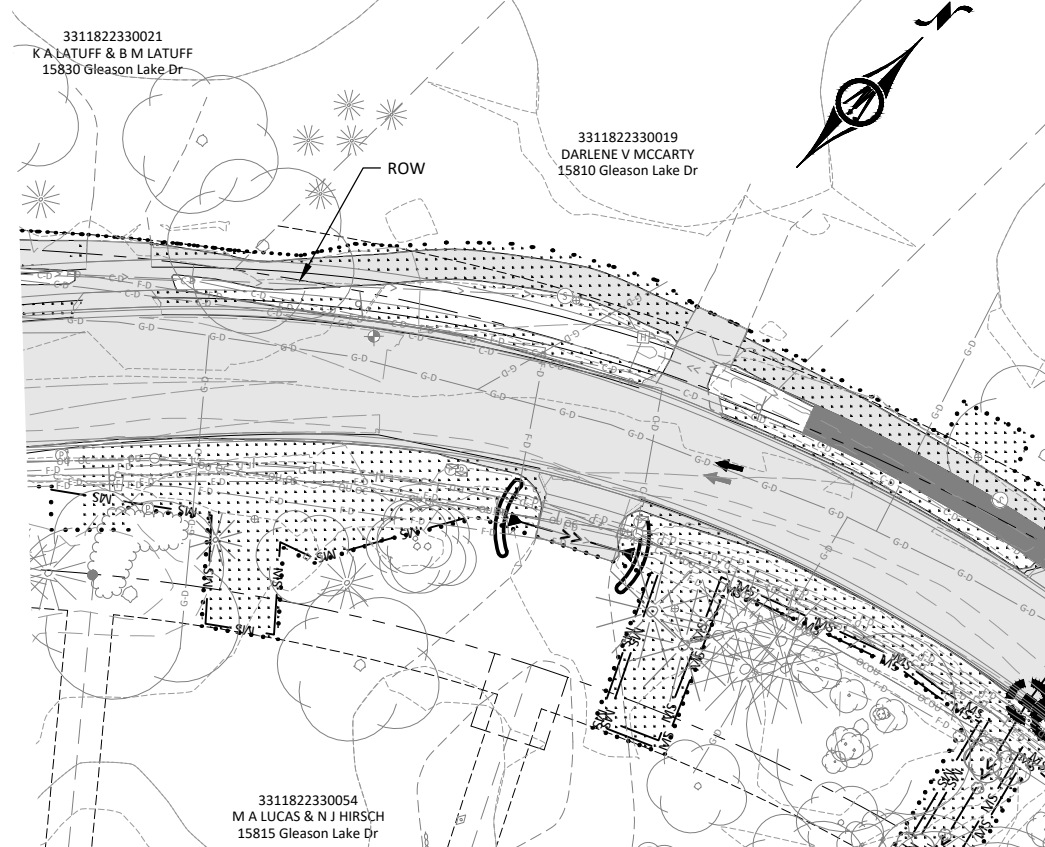


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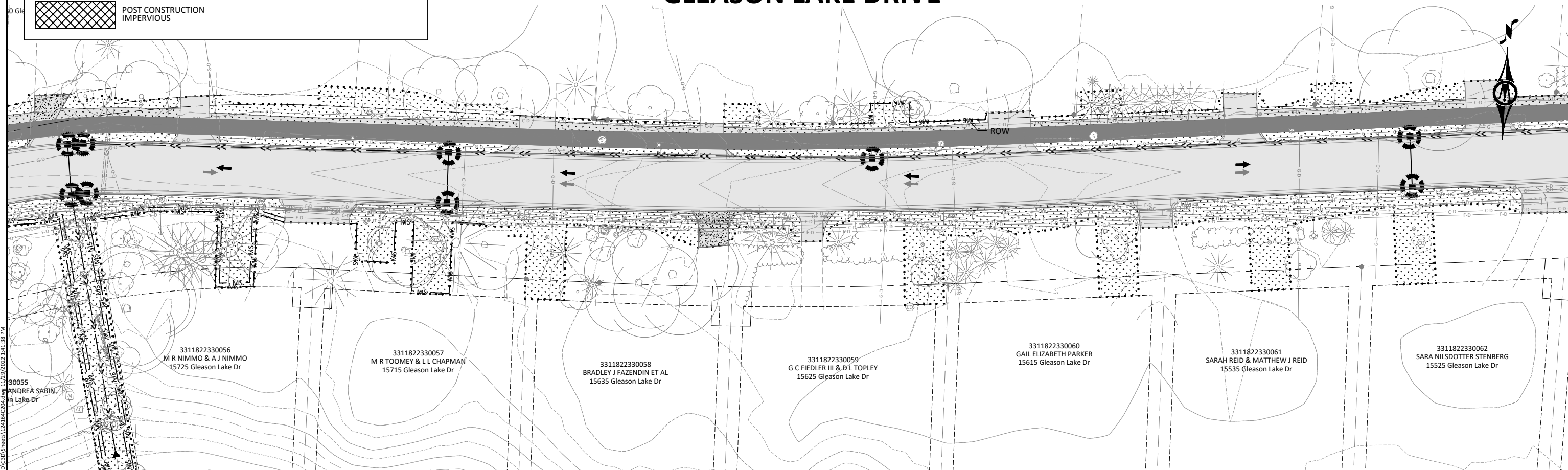
CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
STORMWATER POLLUTION PREVENTION PLAN
 SOILS



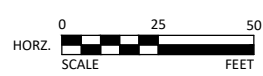
EROSION CONTROL LEGEND

	LAWN TYPE SOD		INLET PROTECTION
	HYDROMULCH (SEED MIX 25-151)		EXISTING/PROPOSED DRAINAGE FLOW
	PRE CONSTRUCTION IMPERVIOUS		BIOROLL
	POST CONSTRUCTION IMPERVIOUS		SILT FENCE
			CONSTRUCTION LIMITS

GLEASON LAKE DRIVE



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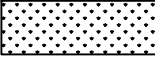








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 GLEASON LAKE DRIVE IMPROVEMENTS
 EROSION CONTROL & TURF ESTABLISHMENT
 GLEASON LAKE DRIVE

SHEET
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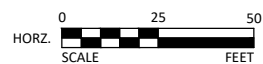


EROSION CONTROL LEGEND

-  LAWN TYPE SOD
-  HYDROMULCH (SEED MIX 25-151)
-  PRE CONSTRUCTION IMPERVIOUS
-  POST CONSTRUCTION IMPERVIOUS
-  INLET PROTECTION
-  EXISTING/PROPOSED DRAINAGE FLOW
-  BIOROLL
-  MS SILT FENCE
-  CONSTRUCTION LIMITS

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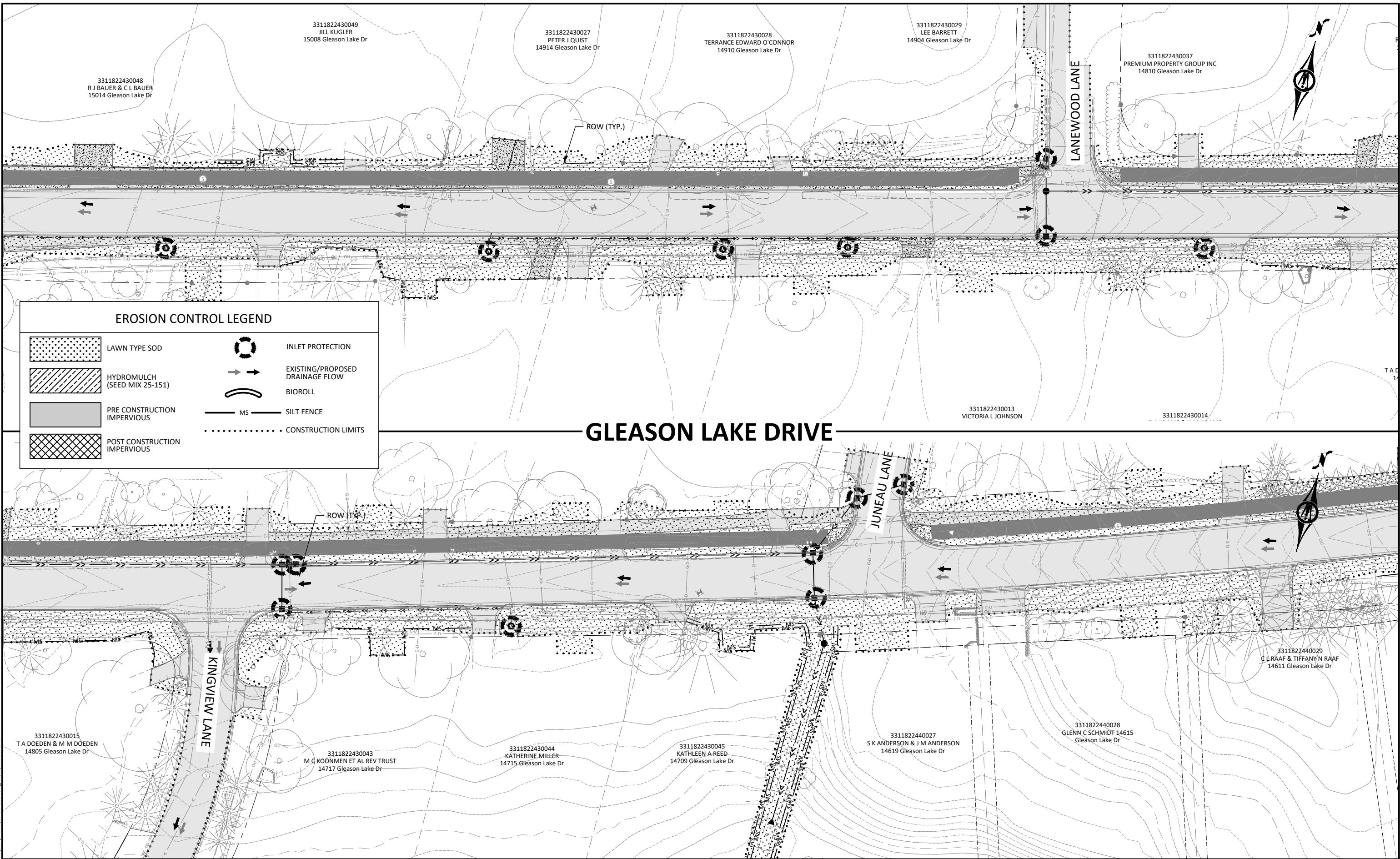
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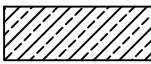

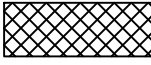





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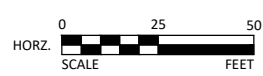


EROSION CONTROL LEGEND

-  LAWN TYPE SOD
-  HYDROMULCH (SEED MIX 25-151)
-  PRE CONSTRUCTION IMPERVIOUS
-  POST CONSTRUCTION IMPERVIOUS
-  INLET PROTECTION
-  EXISTING/PROPOSED DRAINAGE FLOW
-  BIOROLL
-  MS SILT FENCE
-  CONSTRUCTION LIMITS

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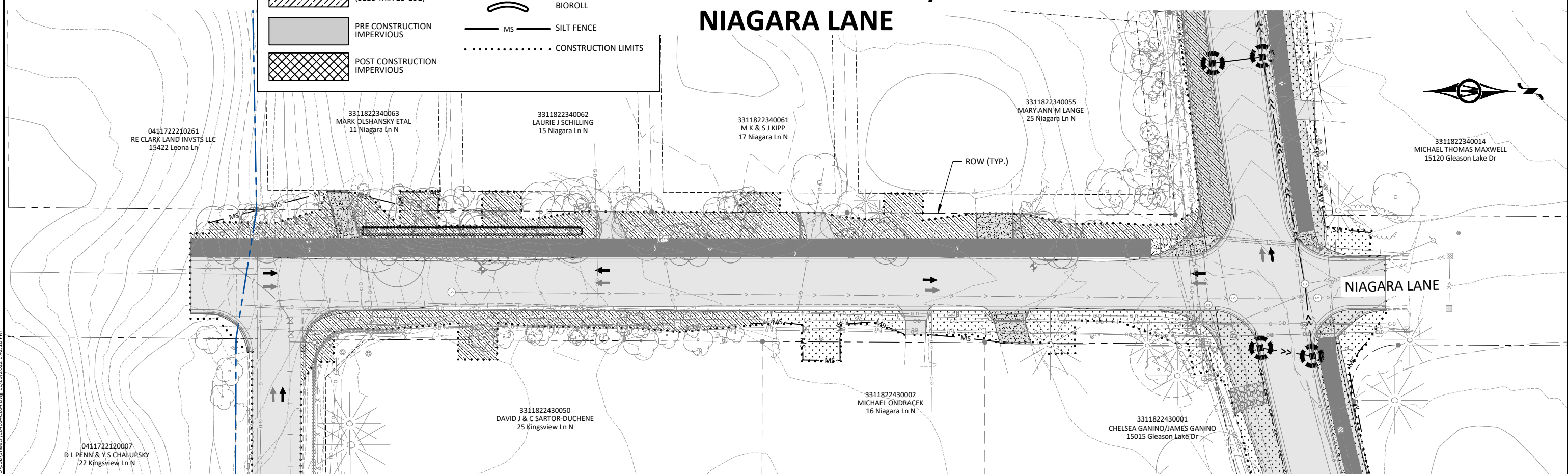
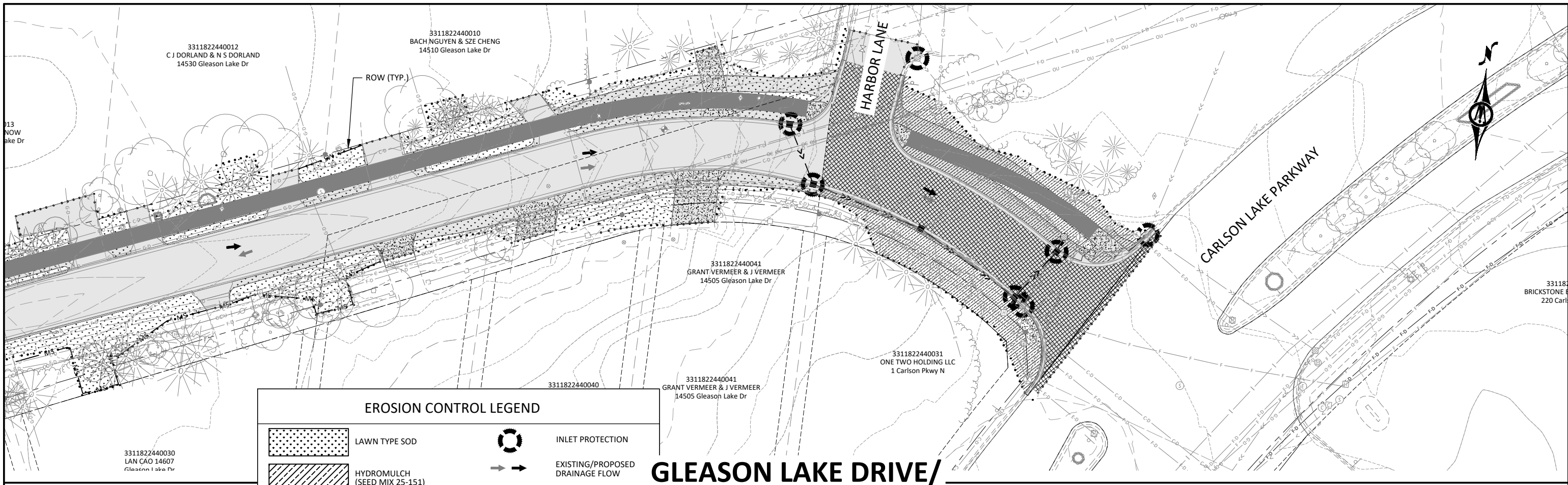
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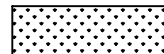








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 GLEASON LAKE DRIVE

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EROSION CONTROL LEGEND

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	HYDROMULCH (SEED MIX 25-151)		EXISTING/PROPOSED DRAINAGE FLOW
	PRE CONSTRUCTION IMPERVIOUS		BIOROLL
	POST CONSTRUCTION IMPERVIOUS		MS SILT FENCE
			CONSTRUCTION LIMITS

GLEASON LAKE DRIVE/ NIAGARA LANE

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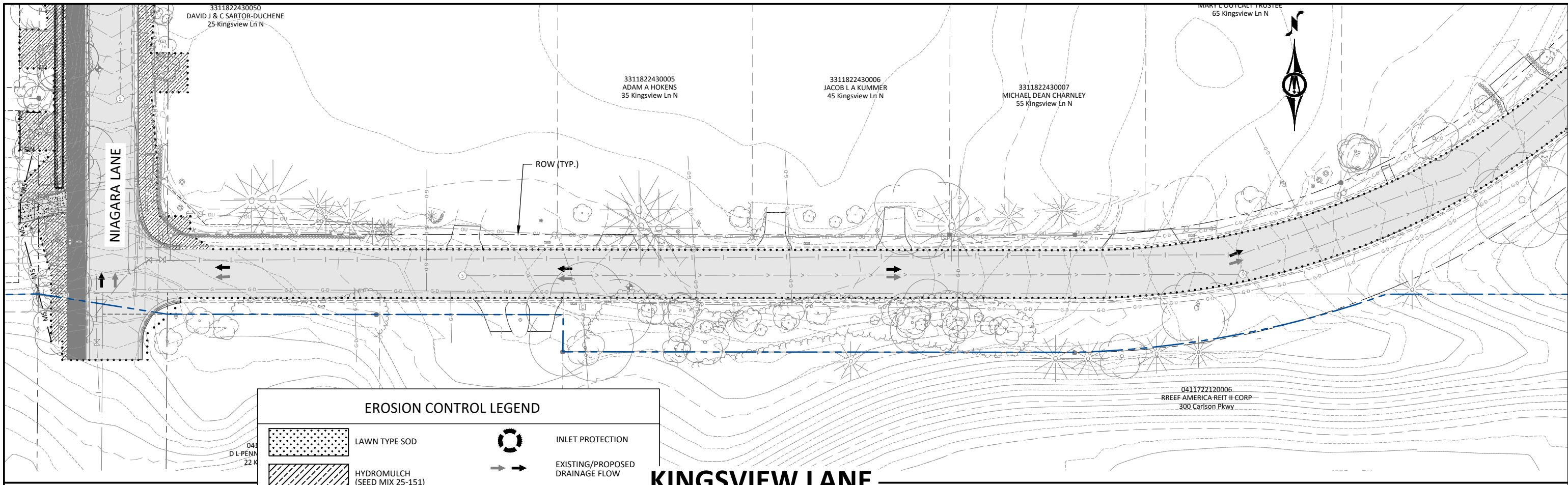
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EROSION CONTROL & TURF ESTABLISHMENT
GLEASON LAKE DRIVE & NIAGARA LANE

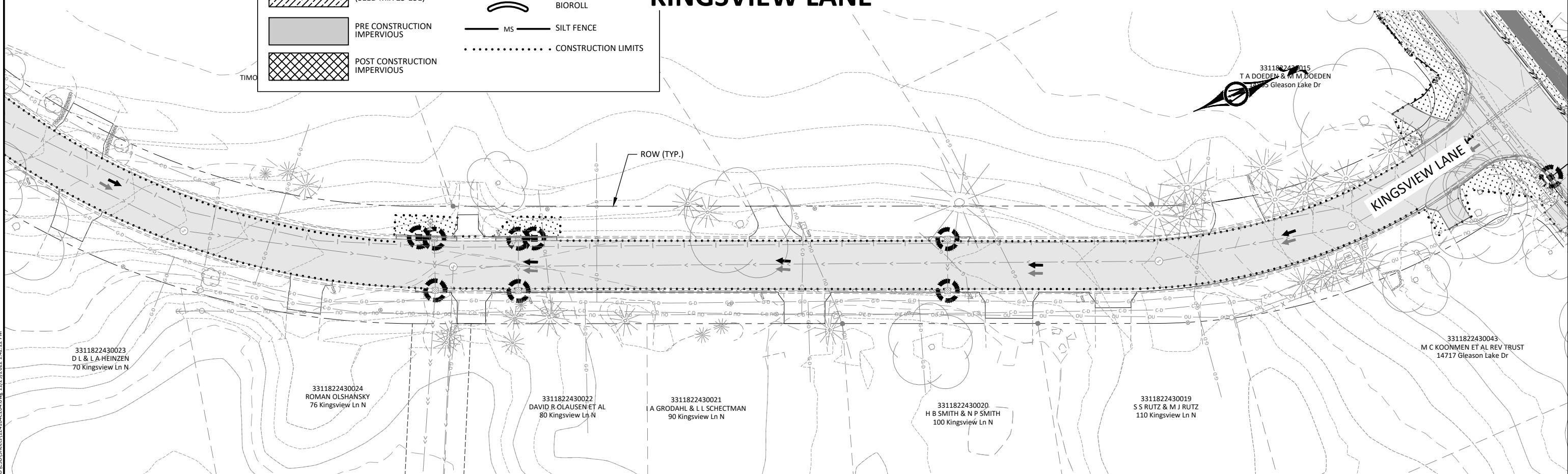
SHEET
C2.07



EROSION CONTROL LEGEND

	LAWN TYPE SOD		INLET PROTECTION
	HYDROMULCH (SEED MIX 25-151)		EXISTING/PROPOSED DRAINAGE FLOW
	PRE CONSTRUCTION IMPERVIOUS		BIOROLL
	POST CONSTRUCTION IMPERVIOUS		MS SILT FENCE
			CONSTRUCTION LIMITS

KINGSVIEW LANE



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NICHOLAS J. AMATUCCIO
LIC. NO. 53639 DATE XX/XX/2022



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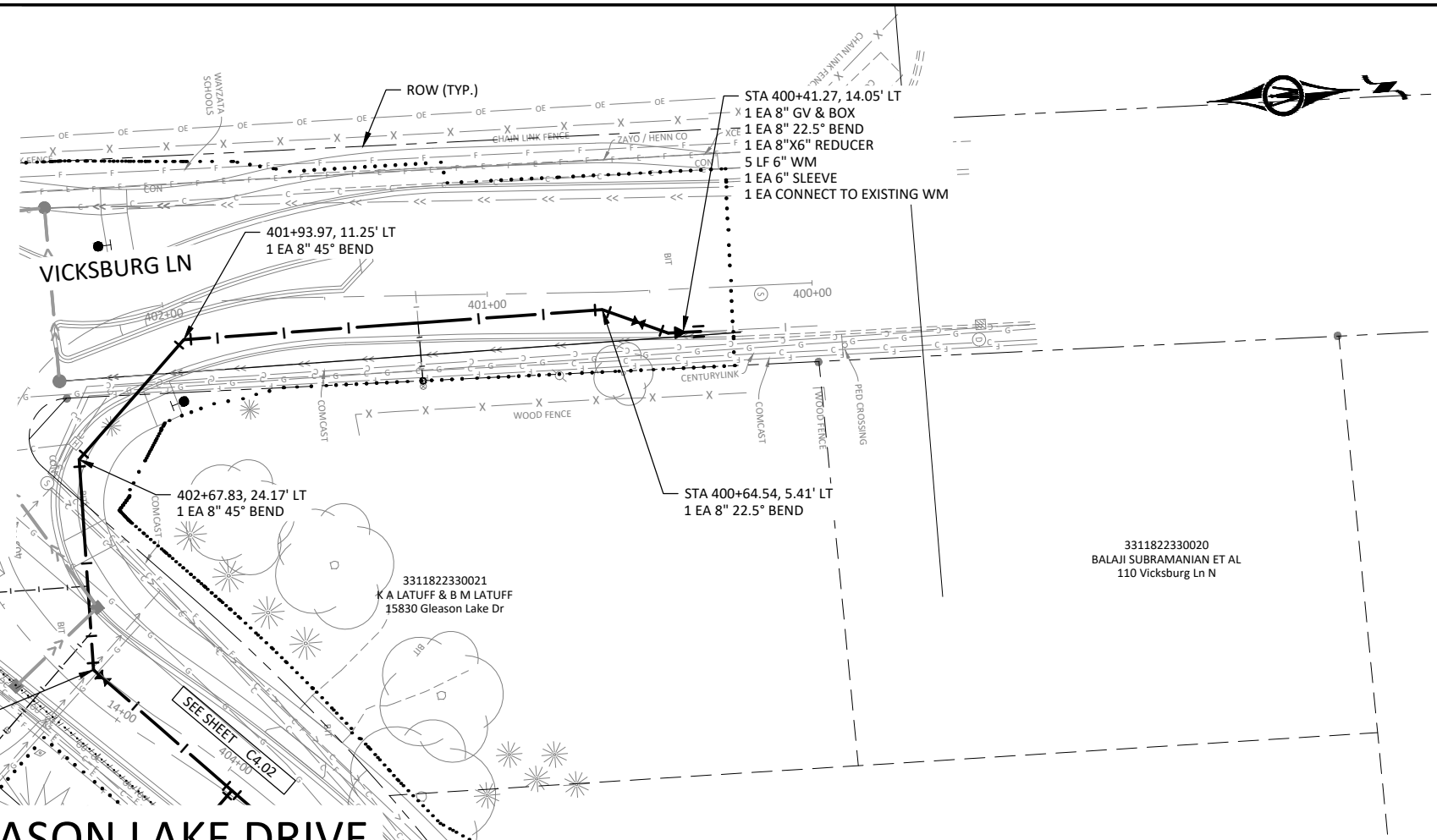
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GLEASON LAKE DRIVE IMPROVEMENTS
EROSION CONTROL & TURF ESTABLISHMENT
KINGSVIEW LANE N

SHEET
C2.08

LEGEND

- ABANDON WATERMAIN
- CONSTRUCTION LIMITS



- NOTES:**
1. STATIONING IN PROFILE REFLECTS PIPE STATIONING.
 2. VERIFY ALL SERVICE LOCATIONS AND SIZES IN THE FIELD (INCIDENTAL)
 3. PROTECT TREES NOT DESIGNATED FOR REMOVAL
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722220005
MARIE FRICK
Townes Rd

3311822330052
H S PRASAD & C PRASAD
15835 Gleason Lake Dr

403+48.82, 1.28' RT
1 EA 8" 45° BEND
1 EA 8" GV & BOX

401+93.97, 11.25' LT
1 EA 8" 45° BEND

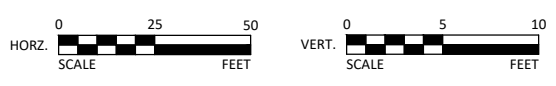
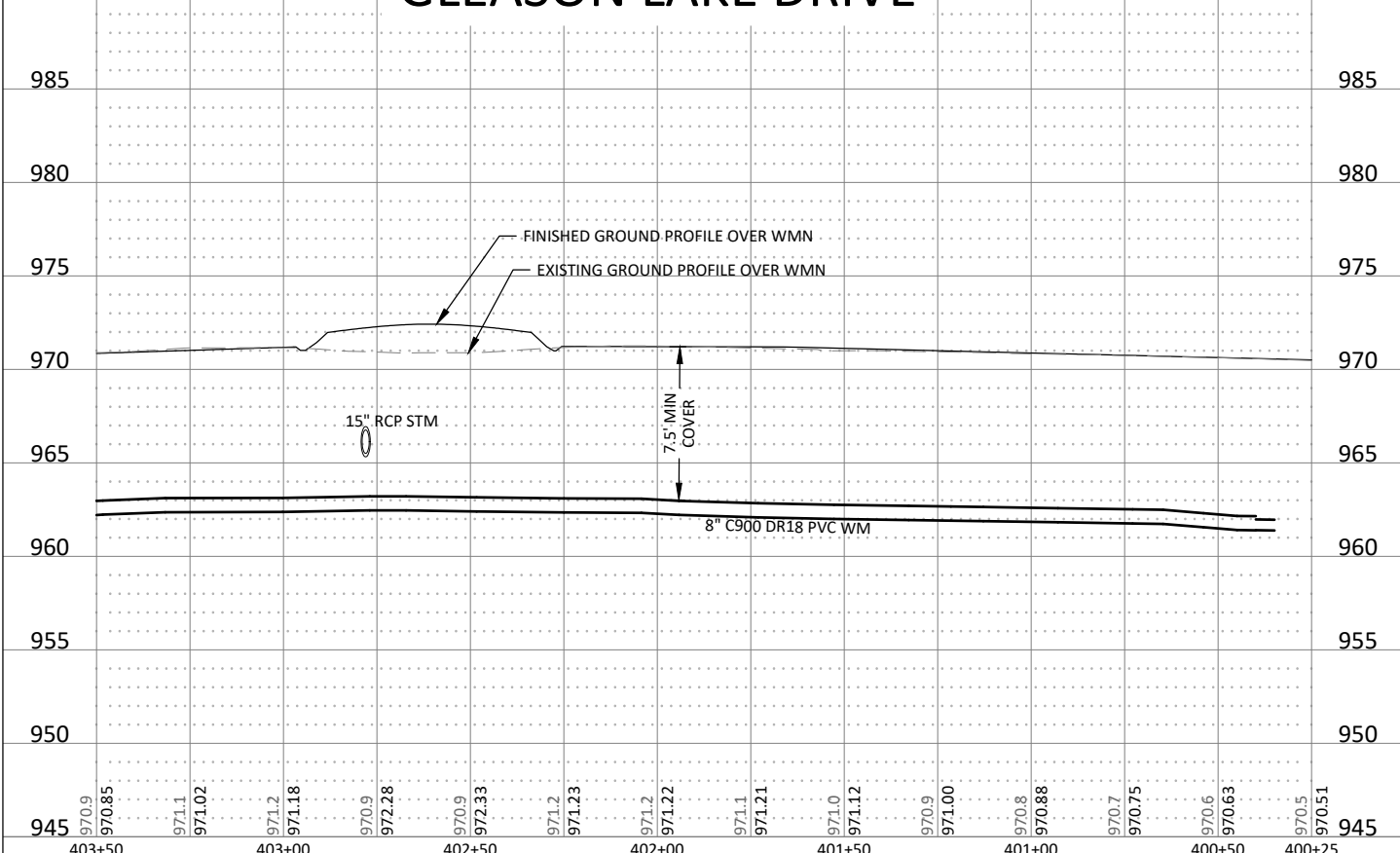
402+67.83, 24.17' LT
1 EA 8" 45° BEND

STA 400+64.54, 5.41' LT
1 EA 8" 22.5° BEND

STA 400+41.27, 14.05' LT
1 EA 8" GV & BOX
1 EA 8" 22.5° BEND
1 EA 8"x6" REDUCER
5 LF 6" WM
1 EA 6" SLEEVE
1 EA CONNECT TO EXISTING WM

3311822330020
BALAJI SUBRAMANIAN ET AL
110 Vicksburg Ln N

GLEASON LAKE DRIVE



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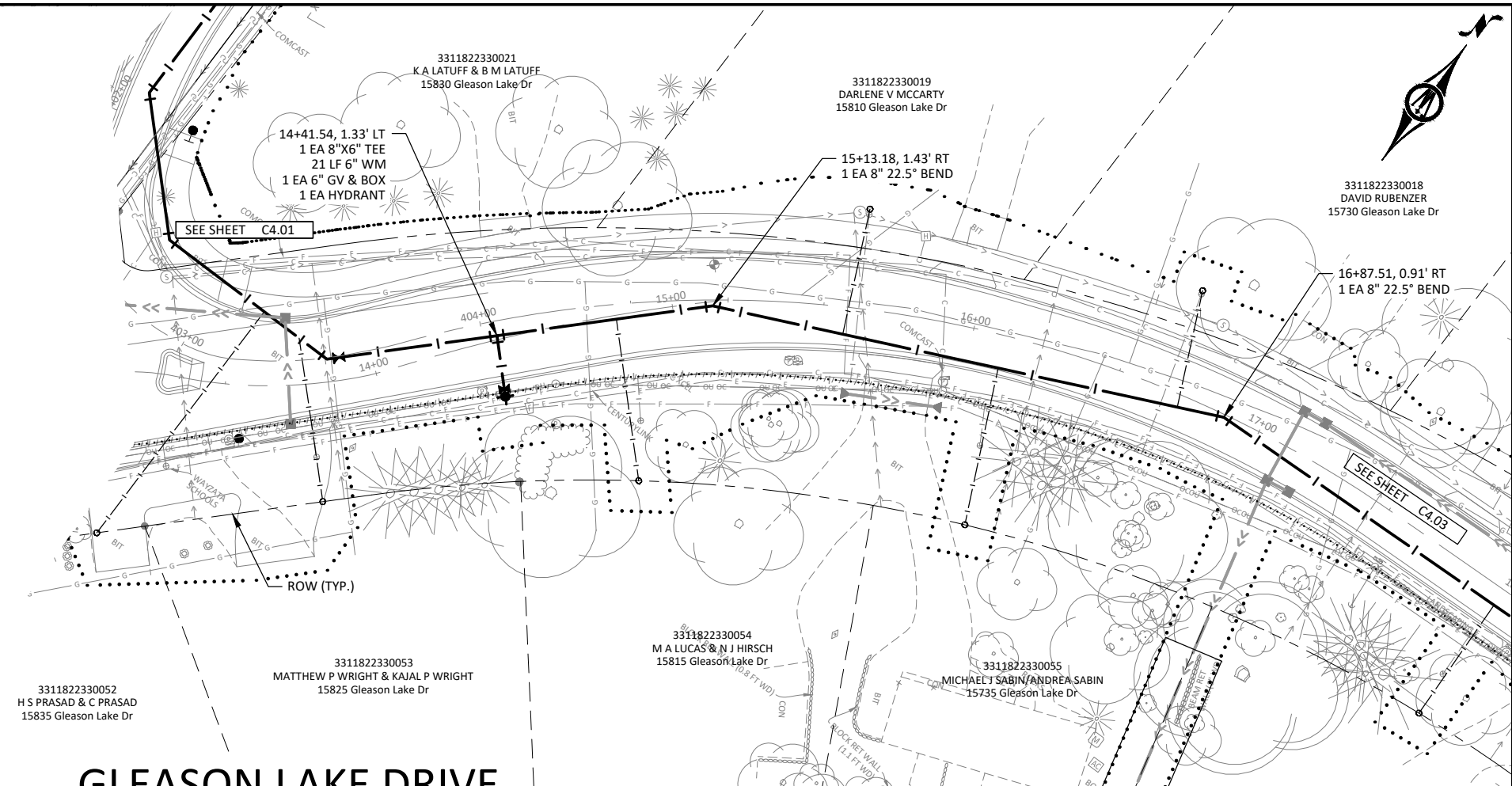
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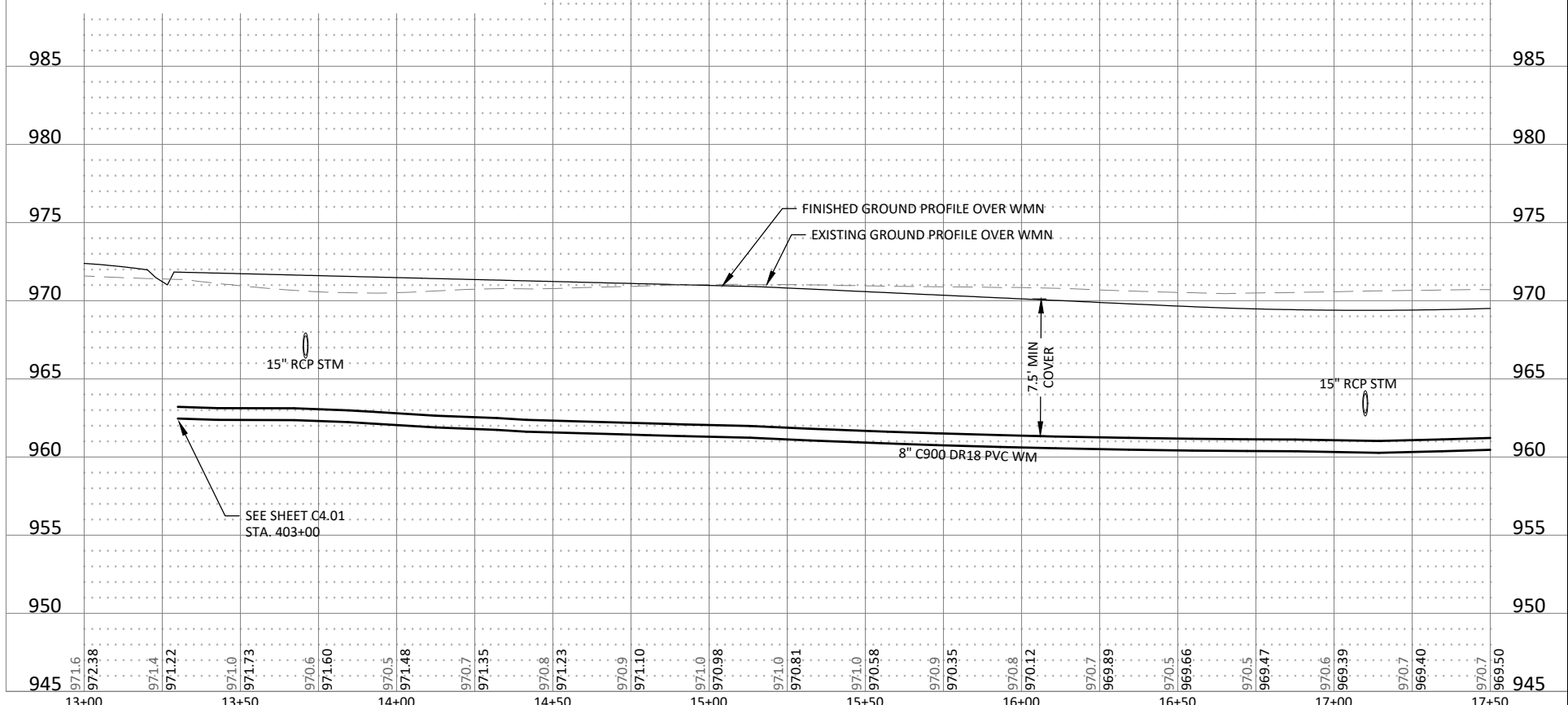
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- ABANDON WATERMAIN
- CONSTRUCTION LIMITS

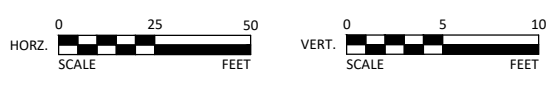


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GLEASON LAKE DRIVE



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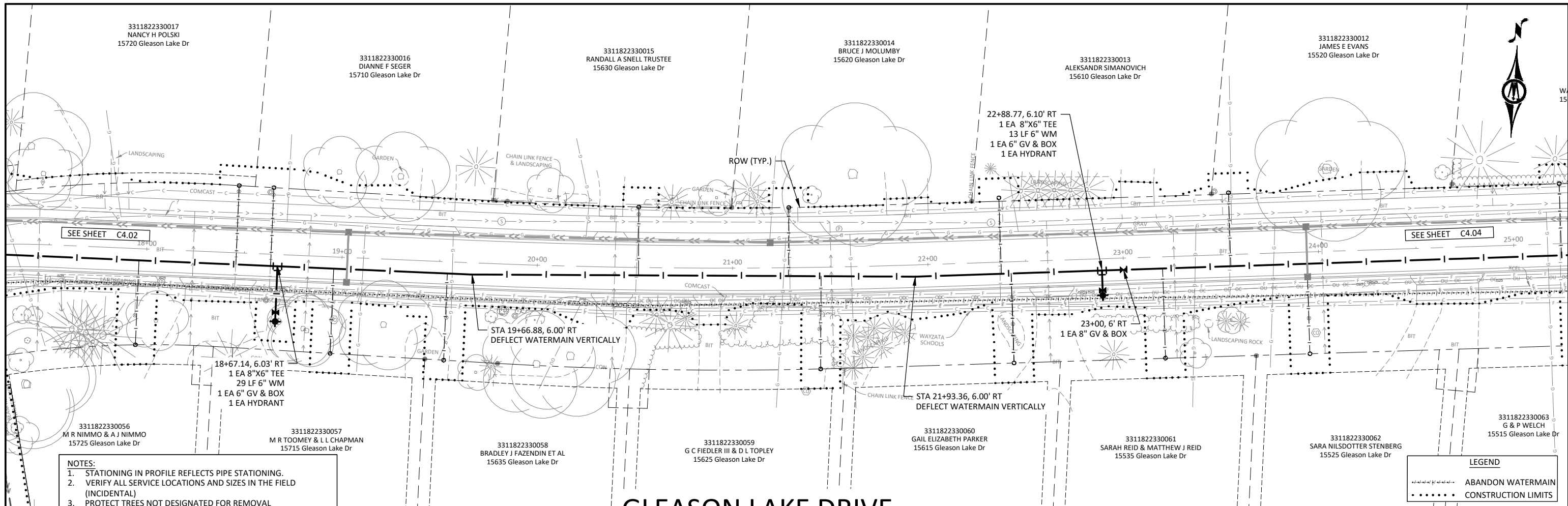
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NOTES:

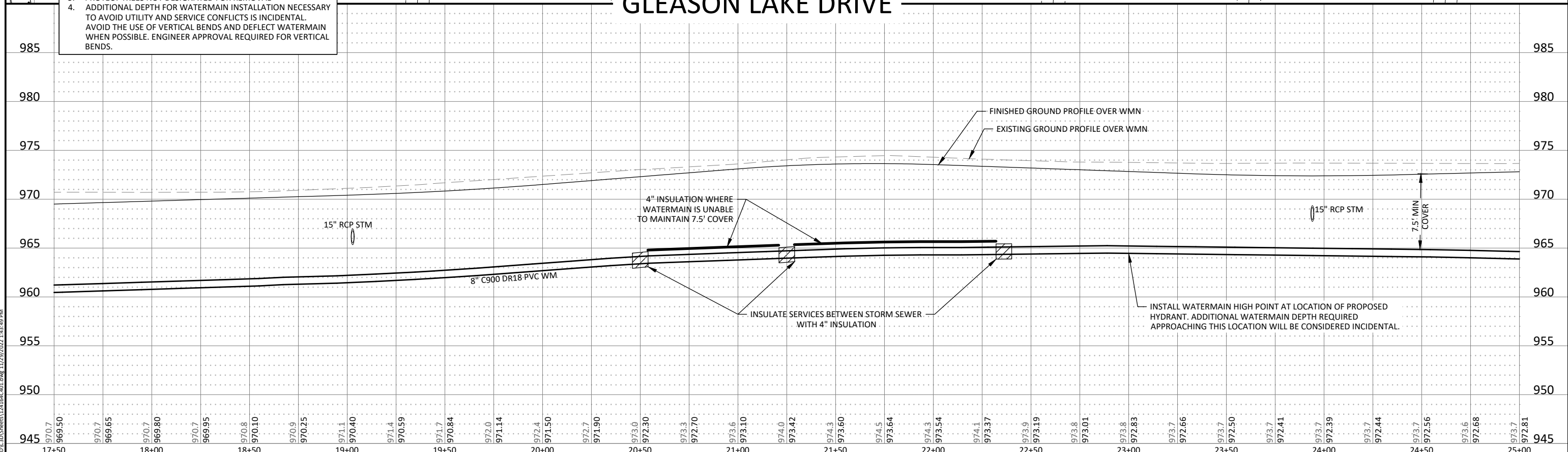
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- 4.

LEGEND

--- ABANDON WATERMAIN

..... CONSTRUCTION LIMITS

GLEASON LAKE DRIVE



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HORIZ. SCALE 0 25 50 FEET

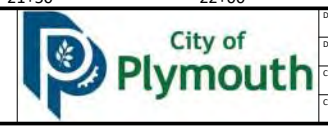
VERT. SCALE 0 5 10 FEET

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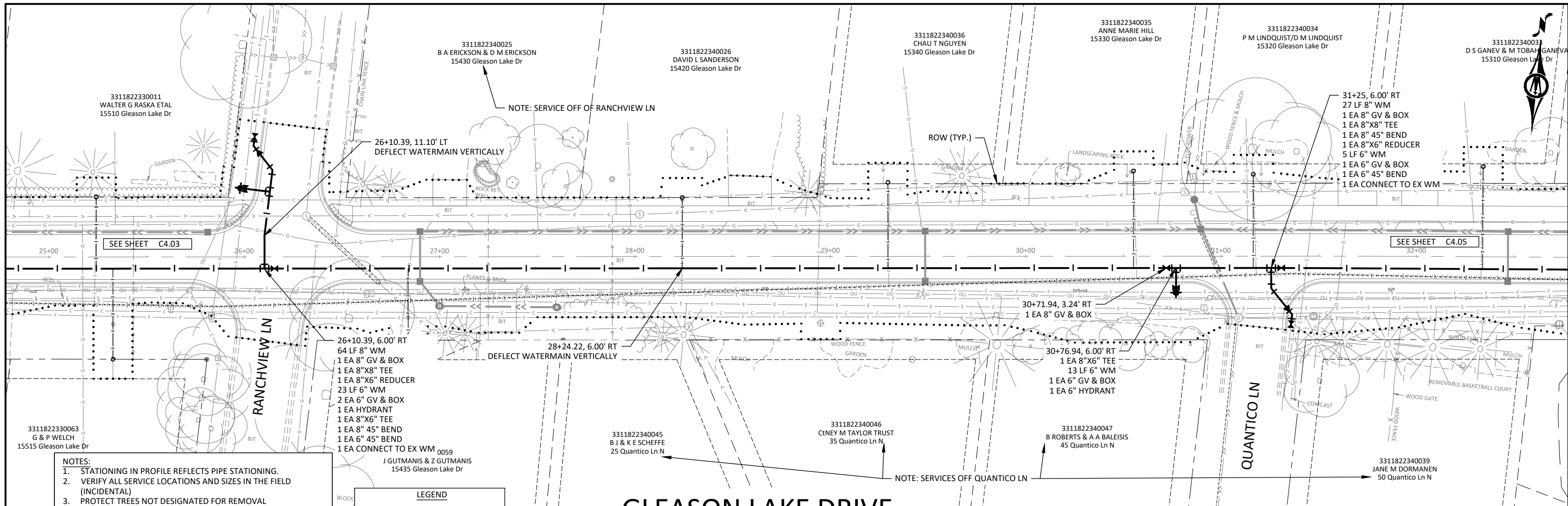
CITY OF PLYMOUTH, MINNESOTA

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WATER PLAN & PROFILE

GLEASON LAKE DRIVE

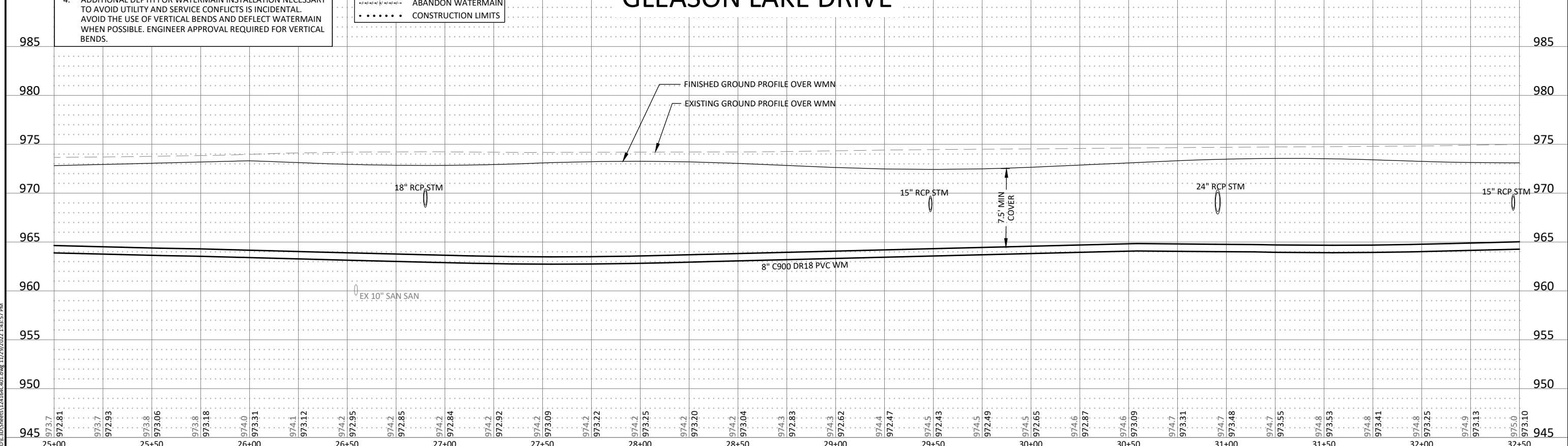
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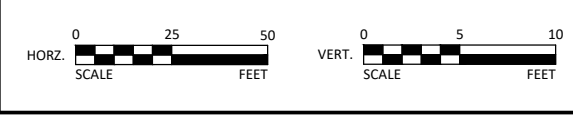
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LEGEND

	ABANDON WATERMAIN
	CONSTRUCTION LIMITS



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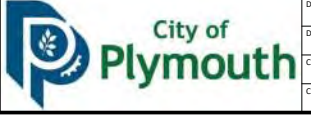


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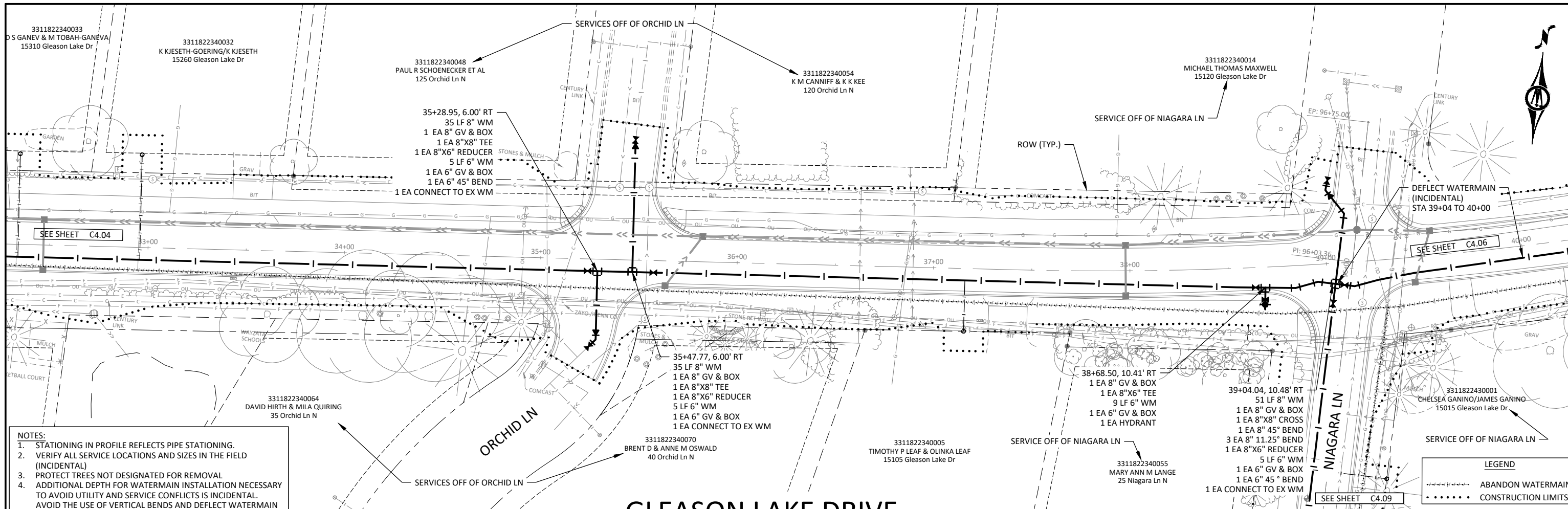
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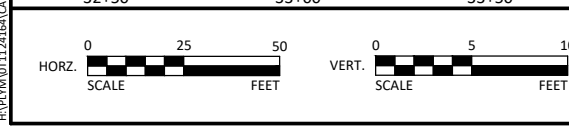
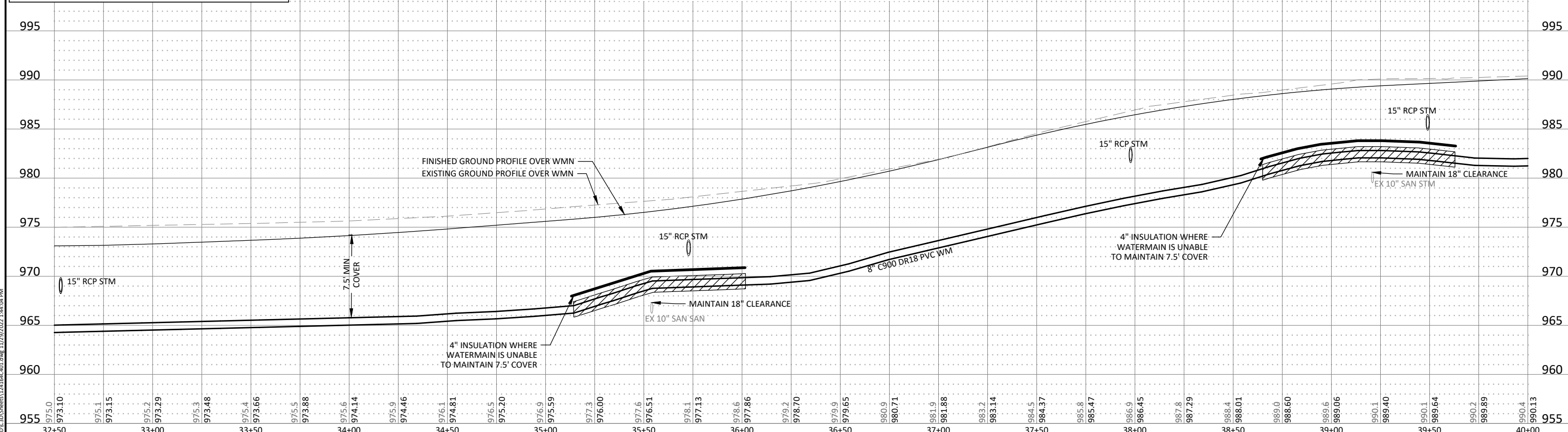
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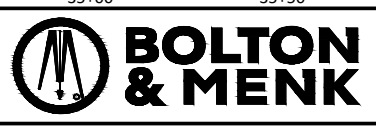


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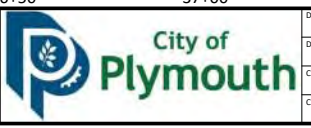


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C4.05

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R J BAUER & C L BAUER
15014 Gleason Lake Dr

3311822430049
JILL KUGLER
15008 Gleason Lake Dr

3311822430027
PETER J QUIST
14914 Gleason Lake Dr

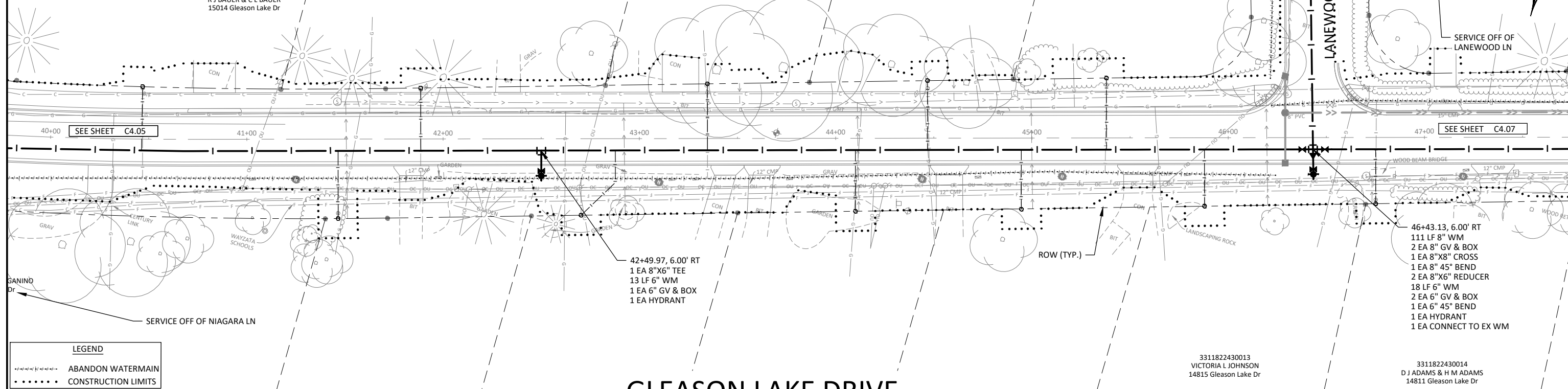
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TERRANCE EDWARD O'CONNOR
14910 Gleason Lake Dr

3311822430029
LEE BARRETT
14904 Gleason Lake Dr

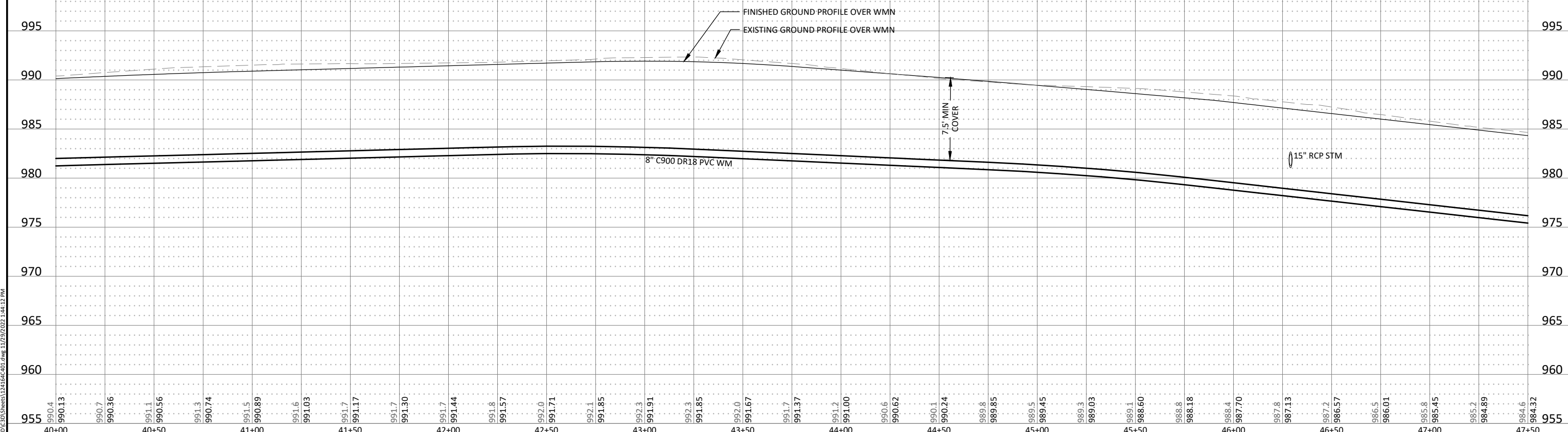
3311822430037
PREMIUM PROPERTY GROUP INC
14810 Gleason Lake Dr

3311822430013
VICTORIA L JOHNSON
14815 Gleason Lake Dr

3311822430014
D J ADAMS & H M ADAMS
14811 Gleason Lake Dr



GLEASON LAKE DRIVE



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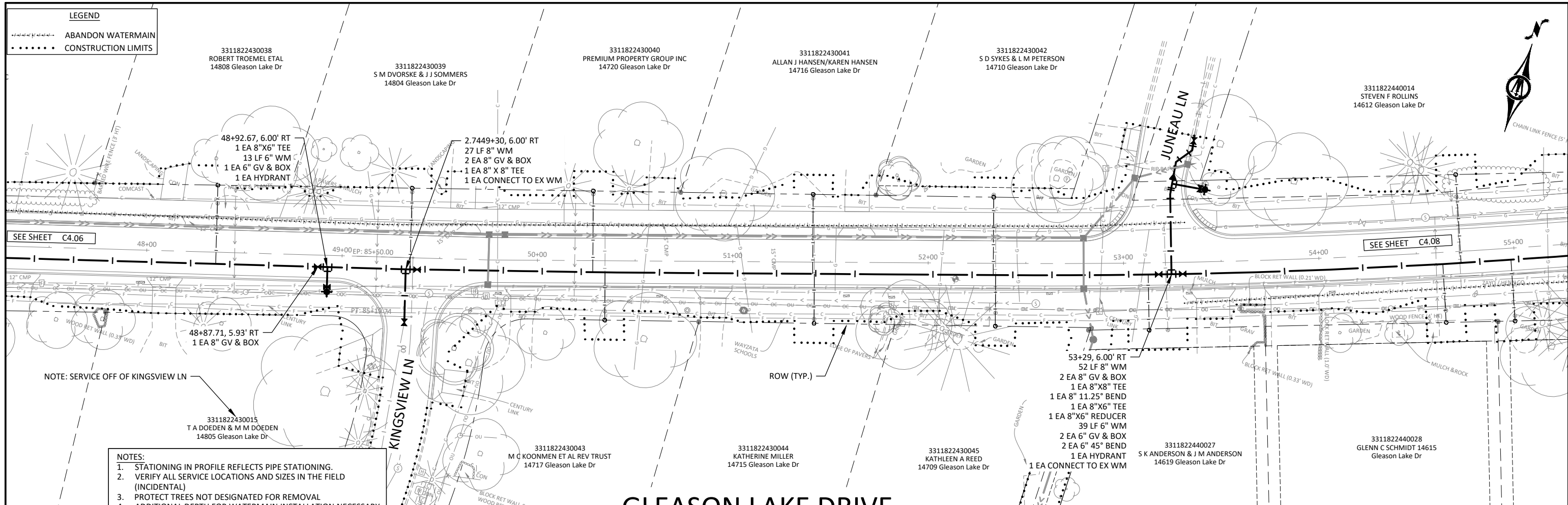
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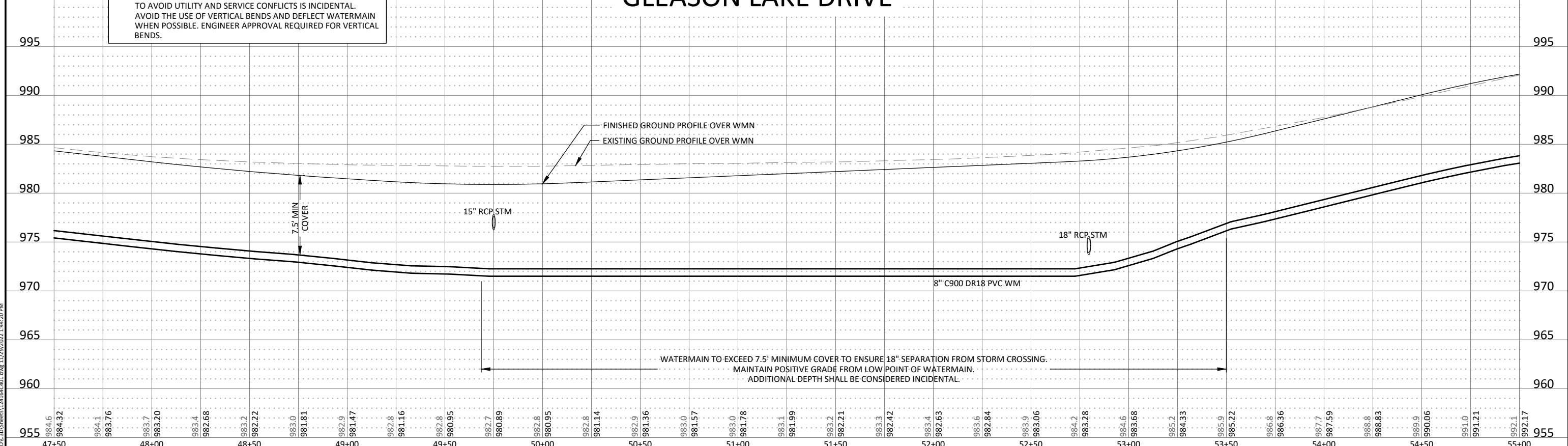
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C4.06

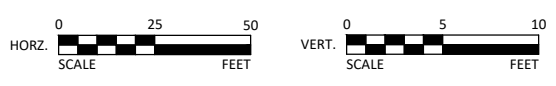


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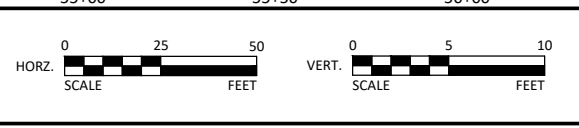
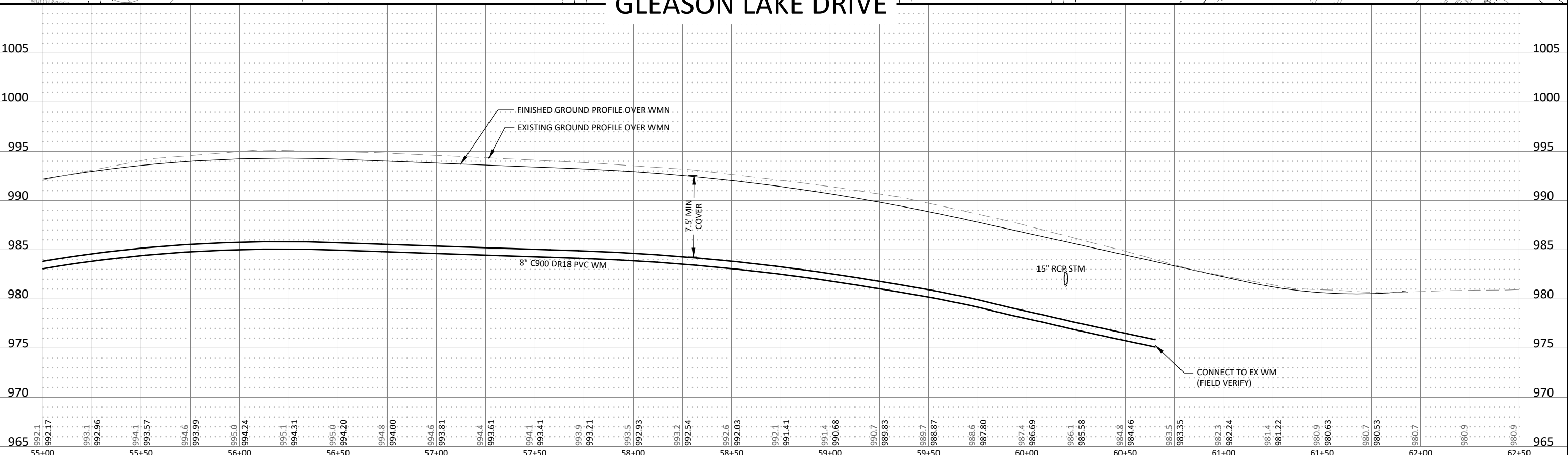
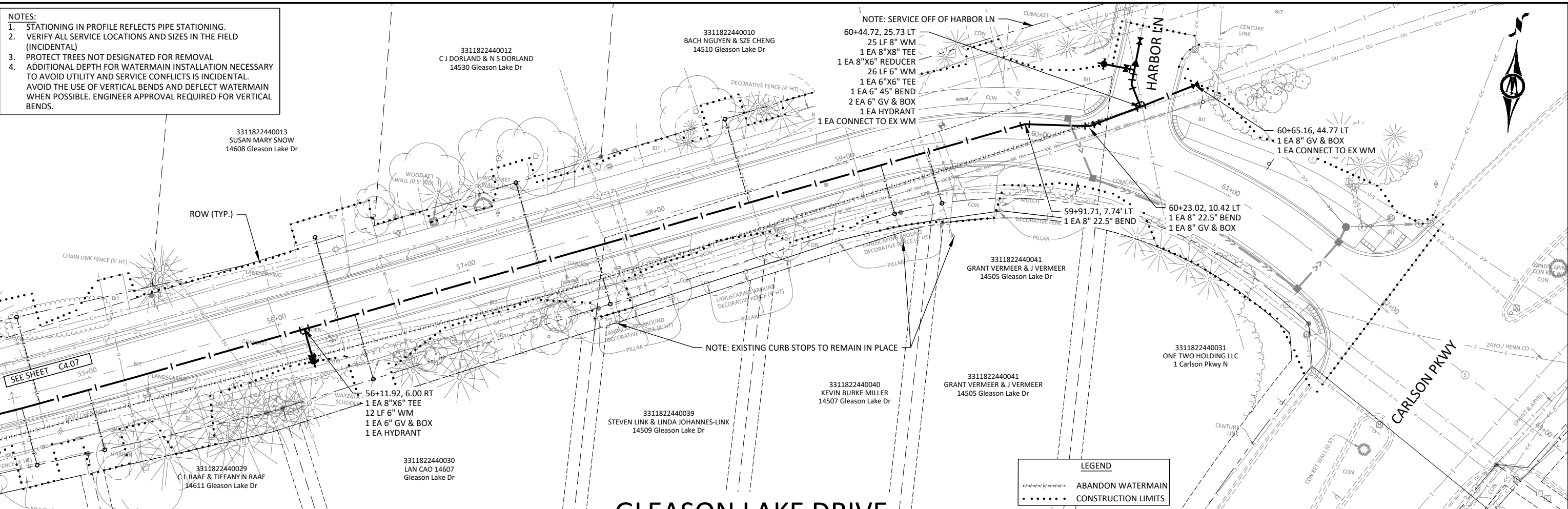


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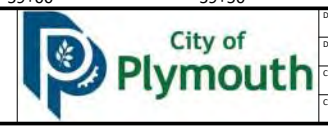


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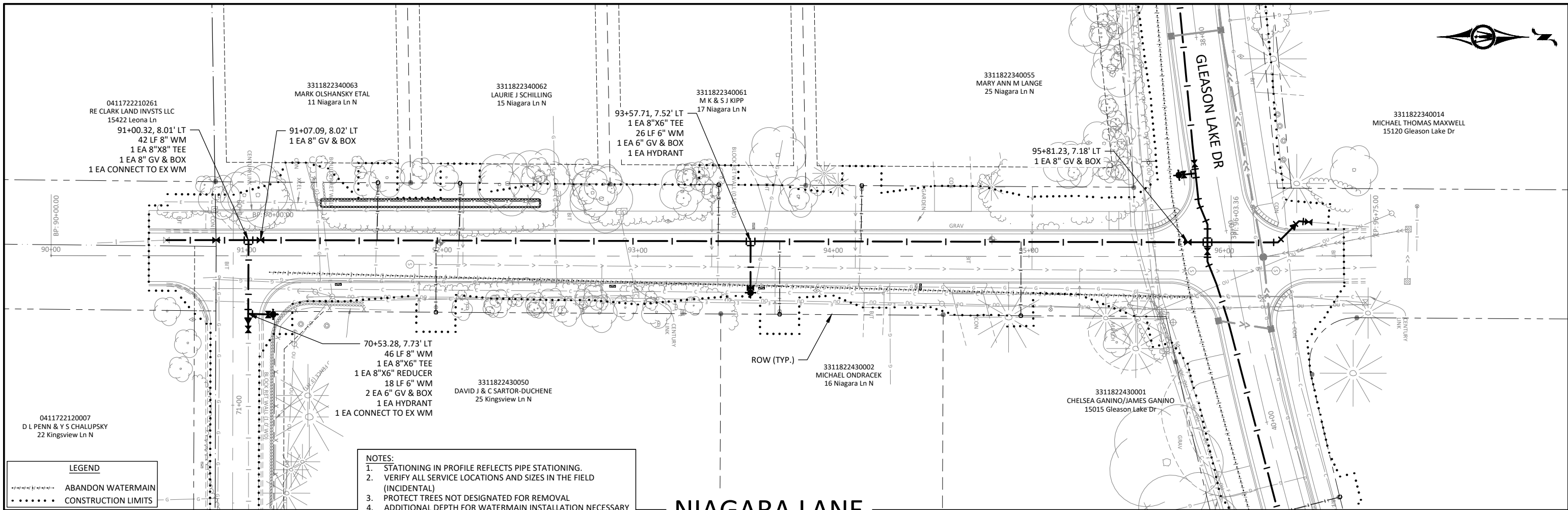


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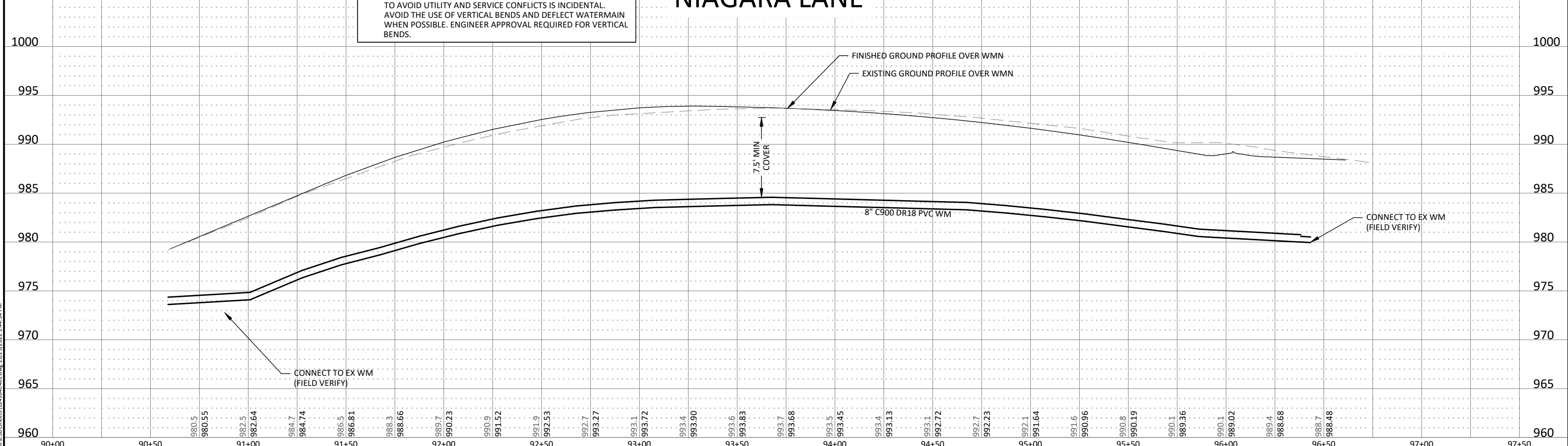
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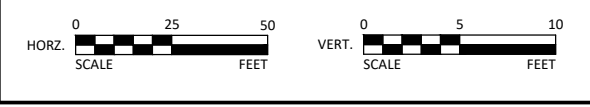
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NIAGARA LANE



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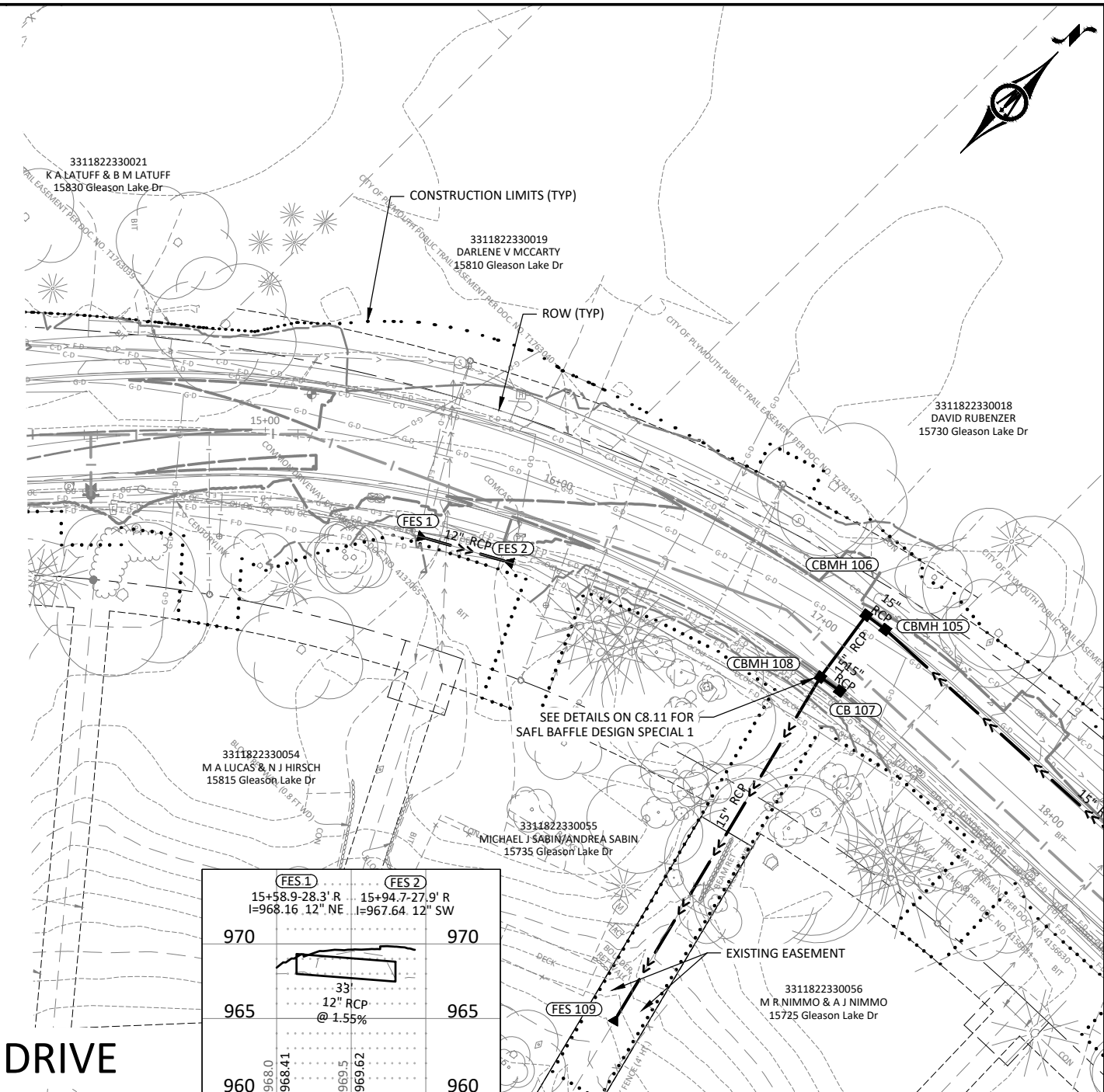
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GLEASON LAKE DRIVE

FES 1		FES 2	
15+58.9-28.3' R	15+94.7-27.9' R		
I=968.16 12" NE	I=967.64 12" SW		
970	970		
965	965		
968.0	968.41	969.5	969.62
960	960		

975	CBMH 108 17+10.0-12.9' R R=968.95 I=962.73 15" N I=964.74 15" E I=962.63 15" S 3.0' SUMP SUMP EL=959.63	975
970		970
965	FES 109 17+31.3-147.2' R I=961.27 15" N	965
960	135'-15" RCP @ 1.00%	960
955		955

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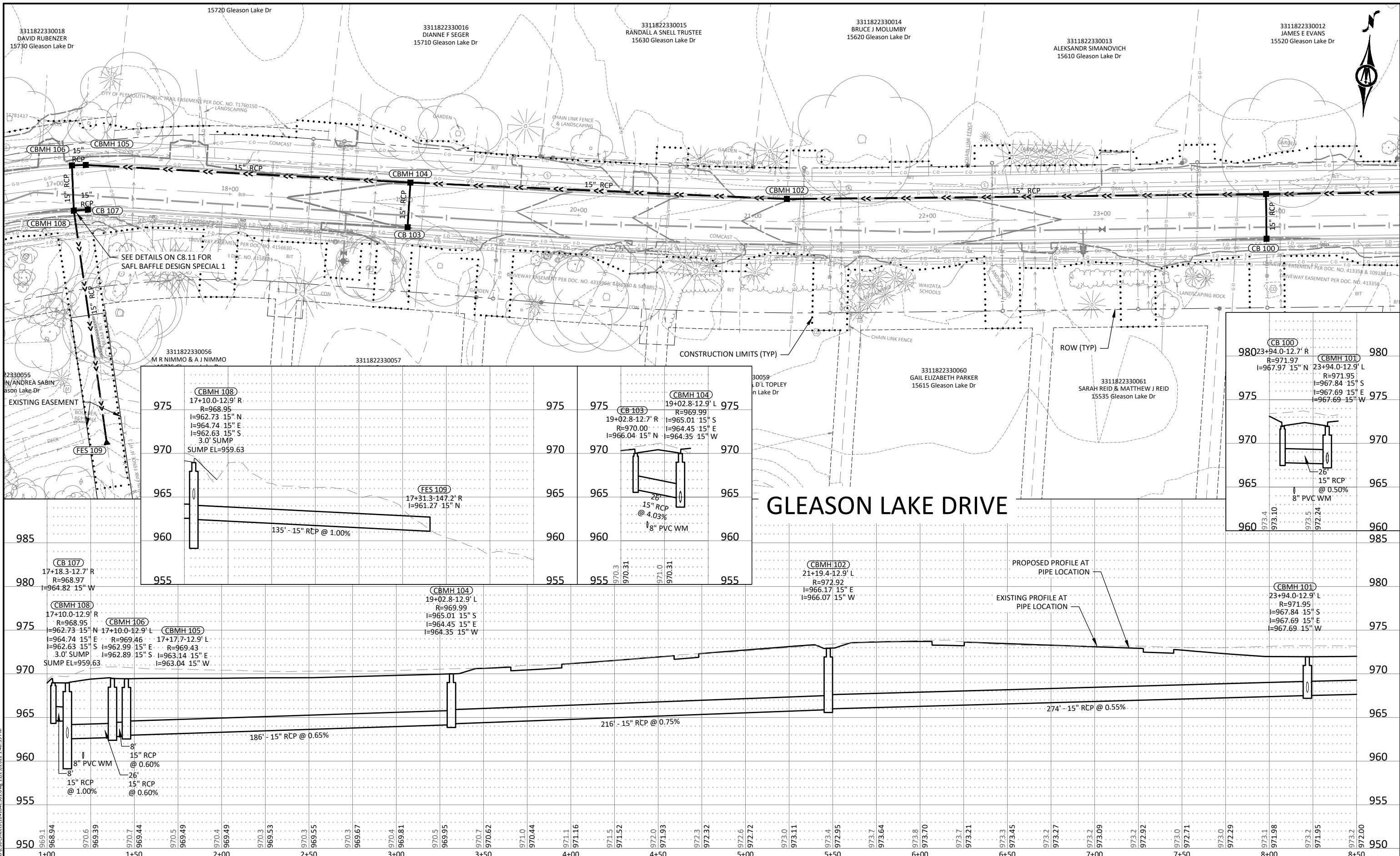
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SHEET
C5.01



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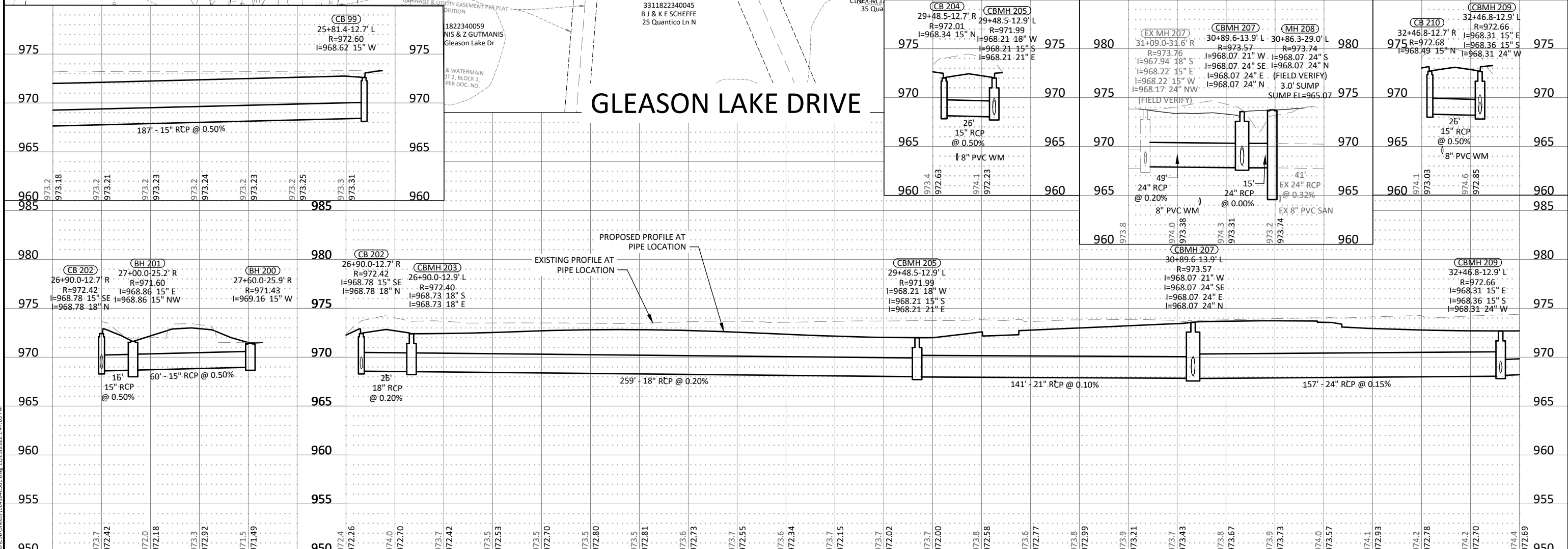
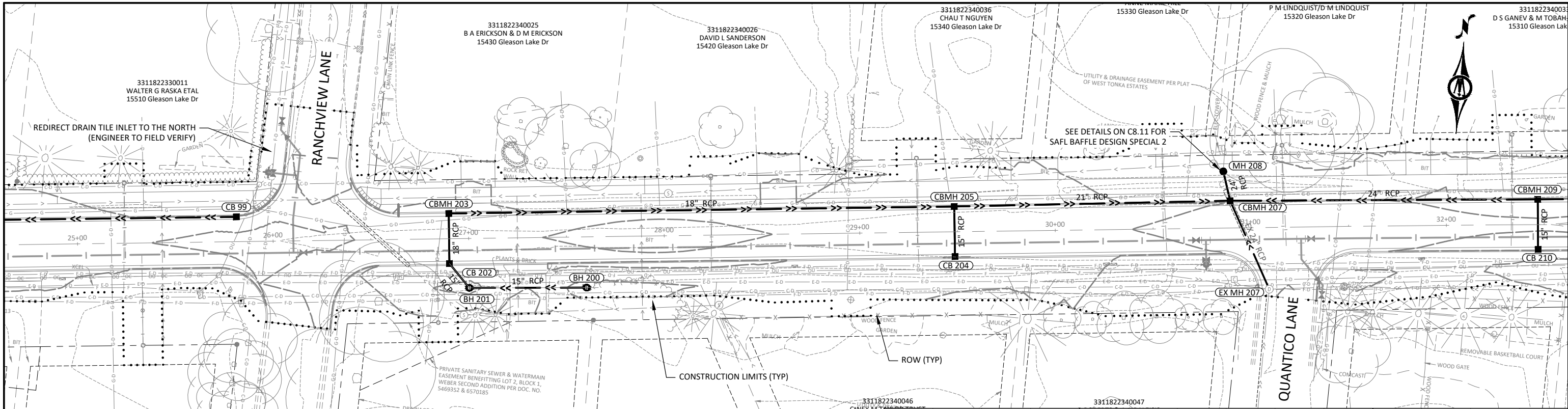
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GLEASON LAKE DRIVE

PROPOSED PROFILE AT PIPE LOCATION
EXISTING PROFILE AT PIPE LOCATION

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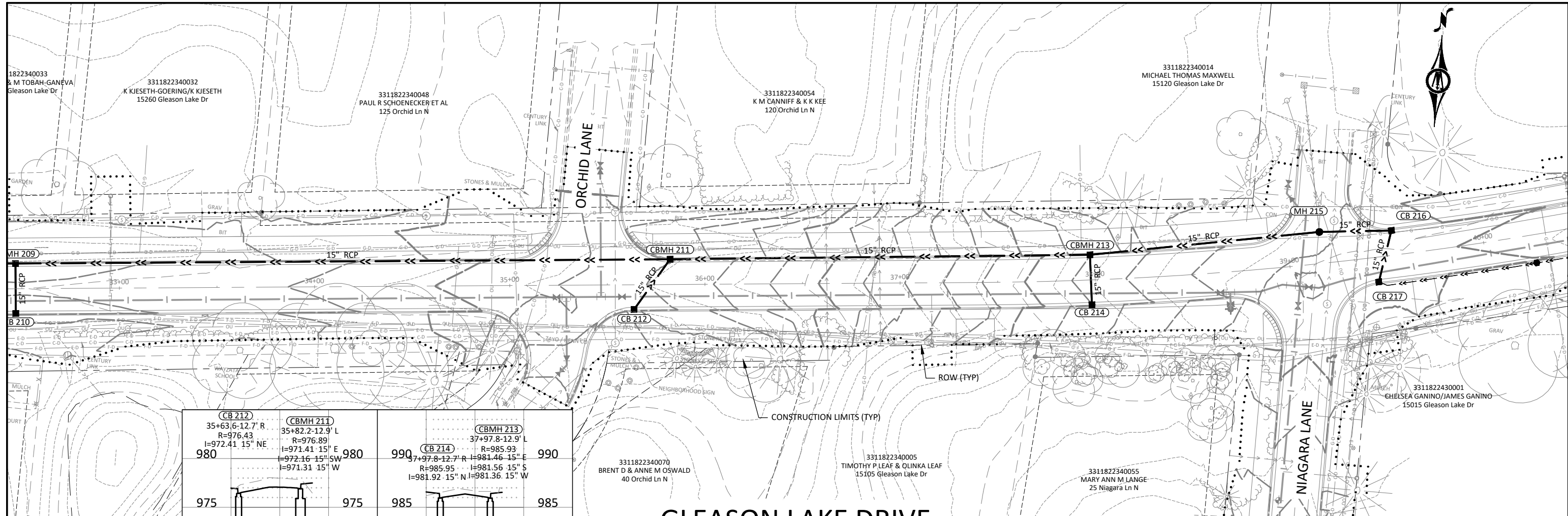
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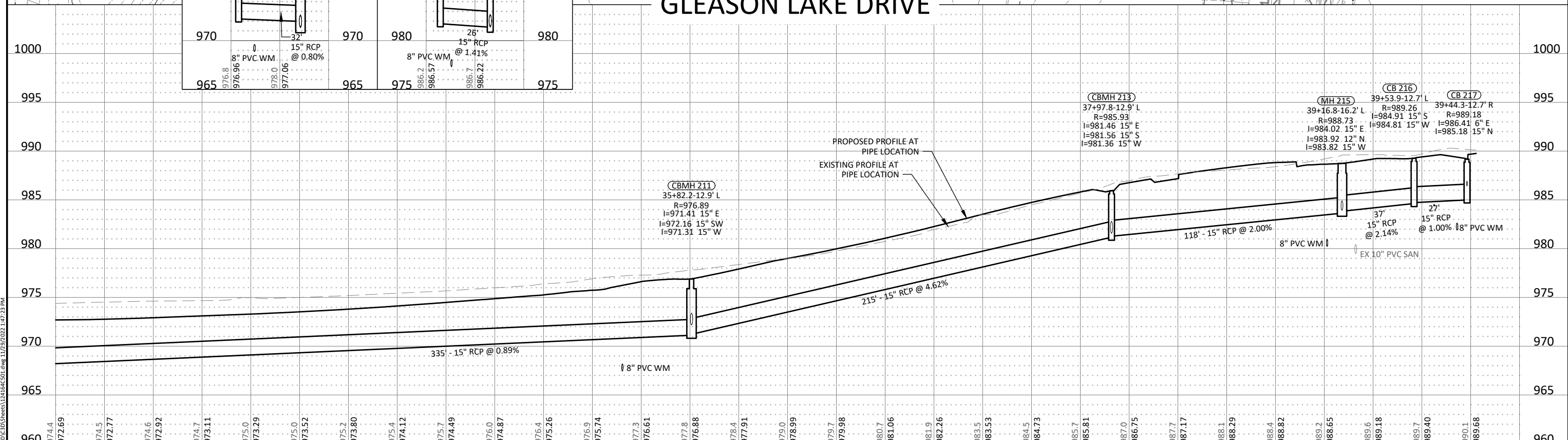
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C5.03



(CB 212) 35+63.6-12.7' R R=976.43 I=972.41 15" NE 980		(CBMH 211) 35+82.2-12.9' L R=976.89 I=971.41 15" E I=972.16 15" SW I=971.31 15" W 975		(CBMH 213) 37+97.8-12.9' L R=985.93 I=981.46 15" E I=981.56 15" S I=981.92 15" N I=981.36 15" W 990	
975	975	985	985	985	985
970	970	980	980	980	980
965	965	975	975	980	975

GLEASON LAKE DRIVE



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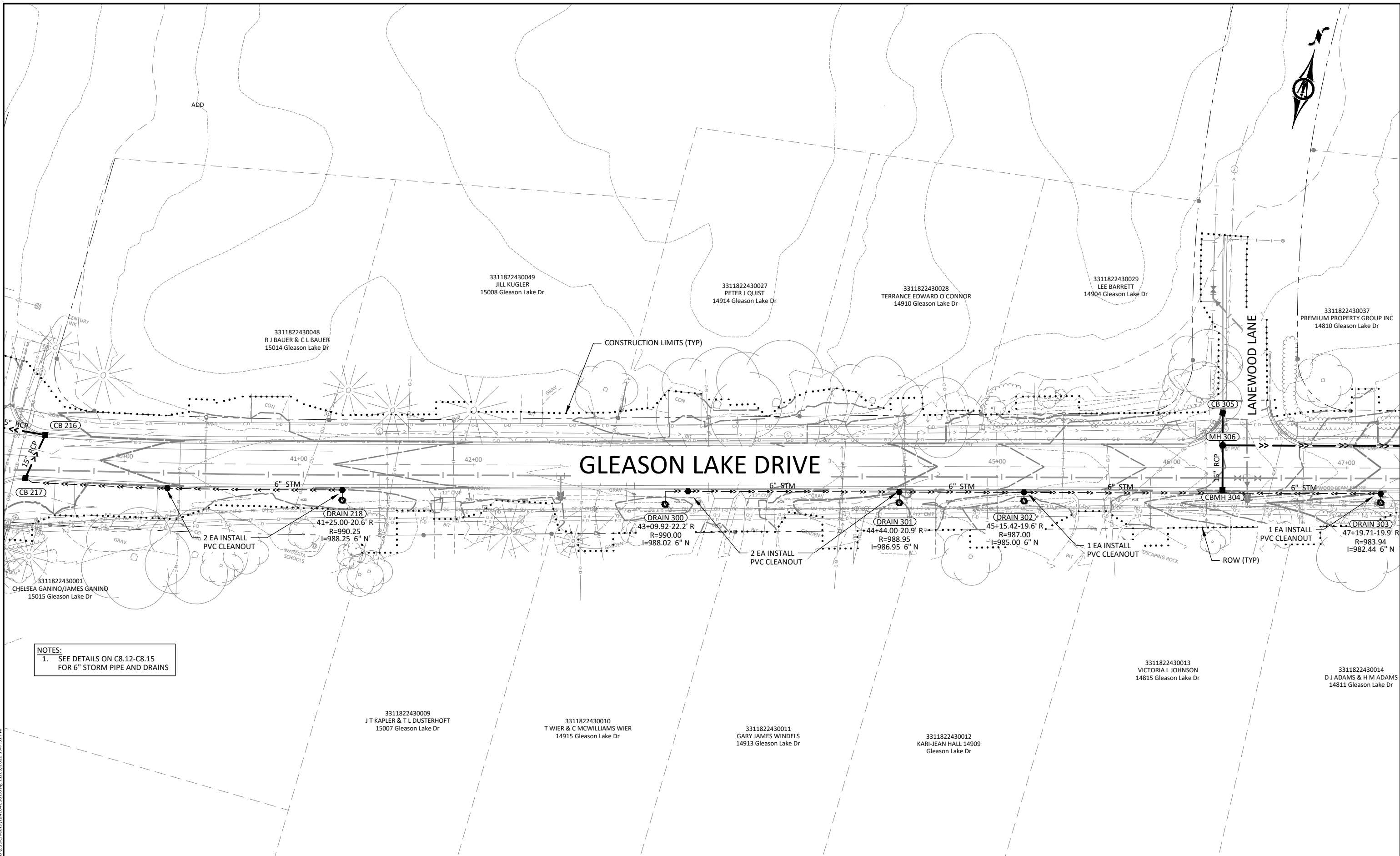
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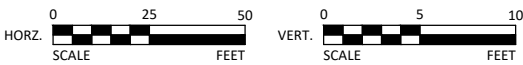
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GLEASON LAKE DRIVE

NOTES:
1. SEE DETAILS ON C8.12-C8.15 FOR 6" STORM PIPE AND DRAINS



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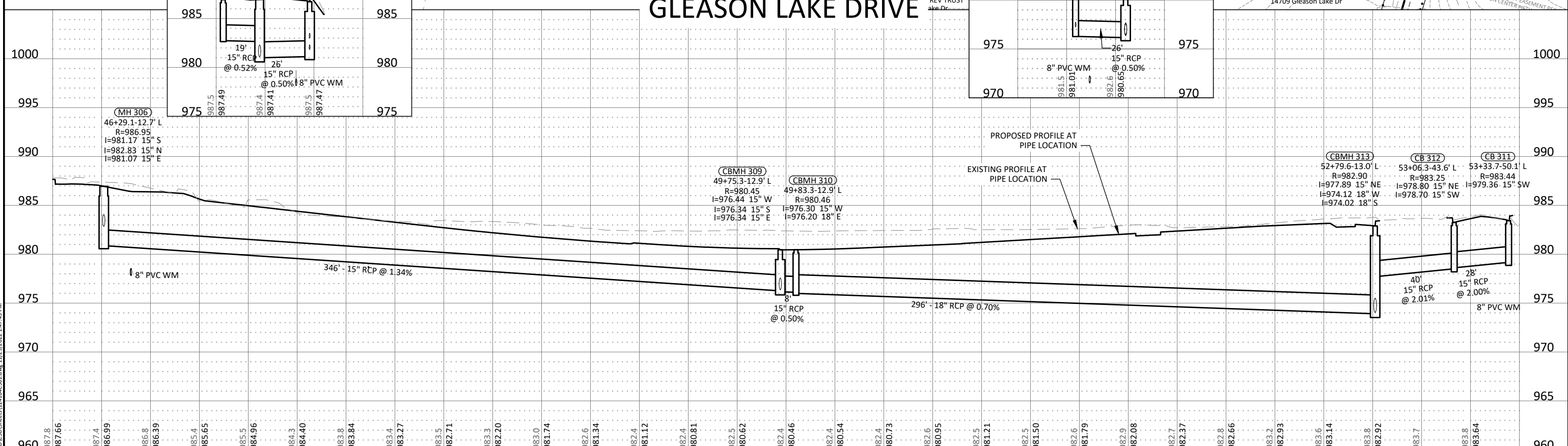
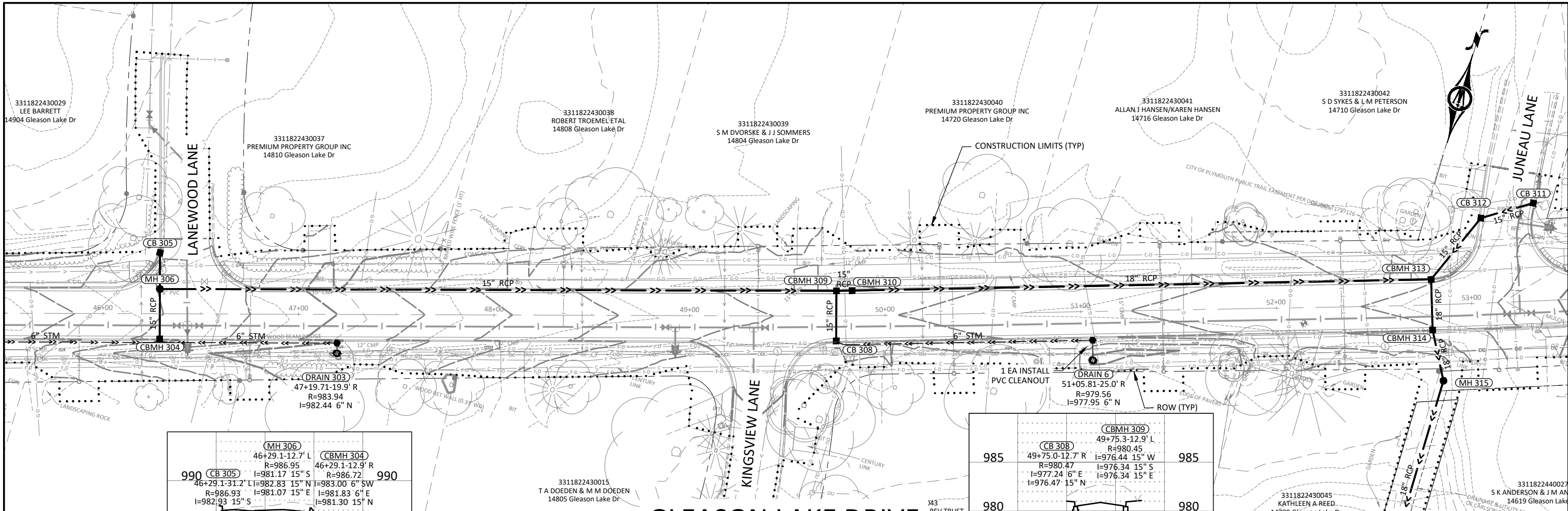


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990	(MH 306) 46+29.1-12.7' L R=986.95 I=981.17 15" S 46+29.1-31.2' L R=986.93 I=981.07 15" E I=982.93 15" S	(CB 305) 46+29.1-12.7' L R=986.95 I=981.17 15" S 46+29.1-31.2' L R=986.93 I=981.07 15" E I=982.93 15" S	(CBMH 304) 46+29.1-12.9' R R=986.72 I=983.00 6" SW I=981.83 6" E I=981.30 15" N	990
985				985
980				980
975				975

985	(CB 308) 49+75.0-12.7' R R=980.47 I=977.24 6" E I=976.47 15" N	(CBMH 309) 49+75.3-12.9' L R=980.45 I=976.44 15" W I=976.34 15" S I=976.47 15" N	985
980			980
975			975
970			970

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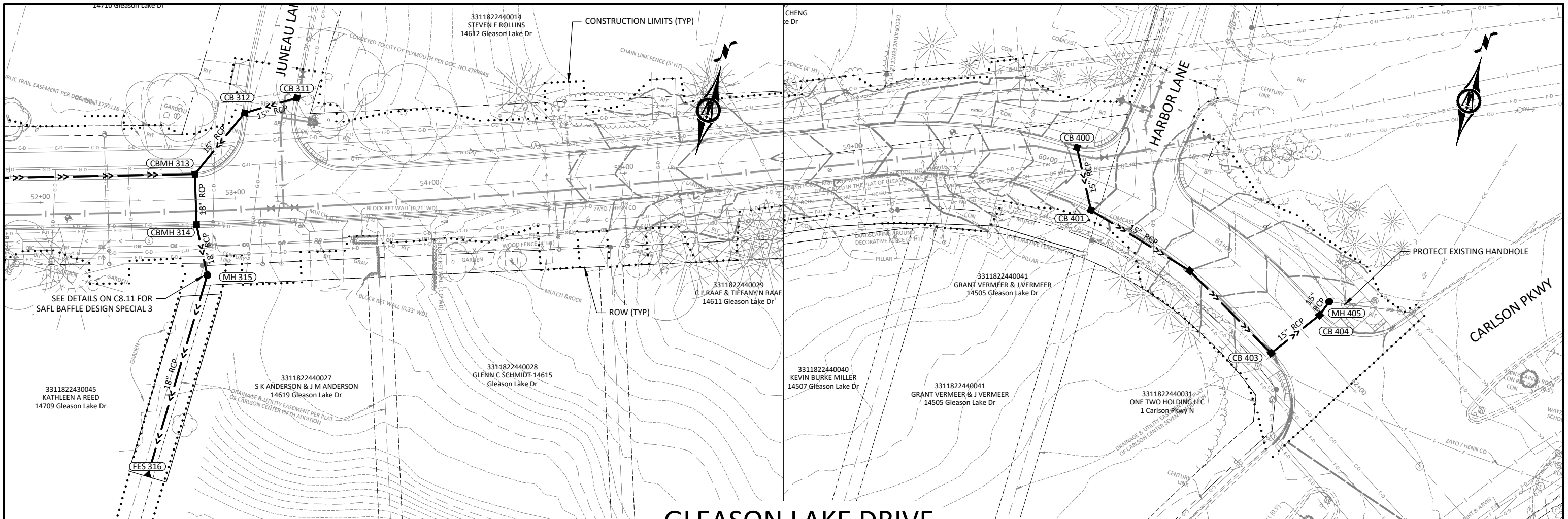
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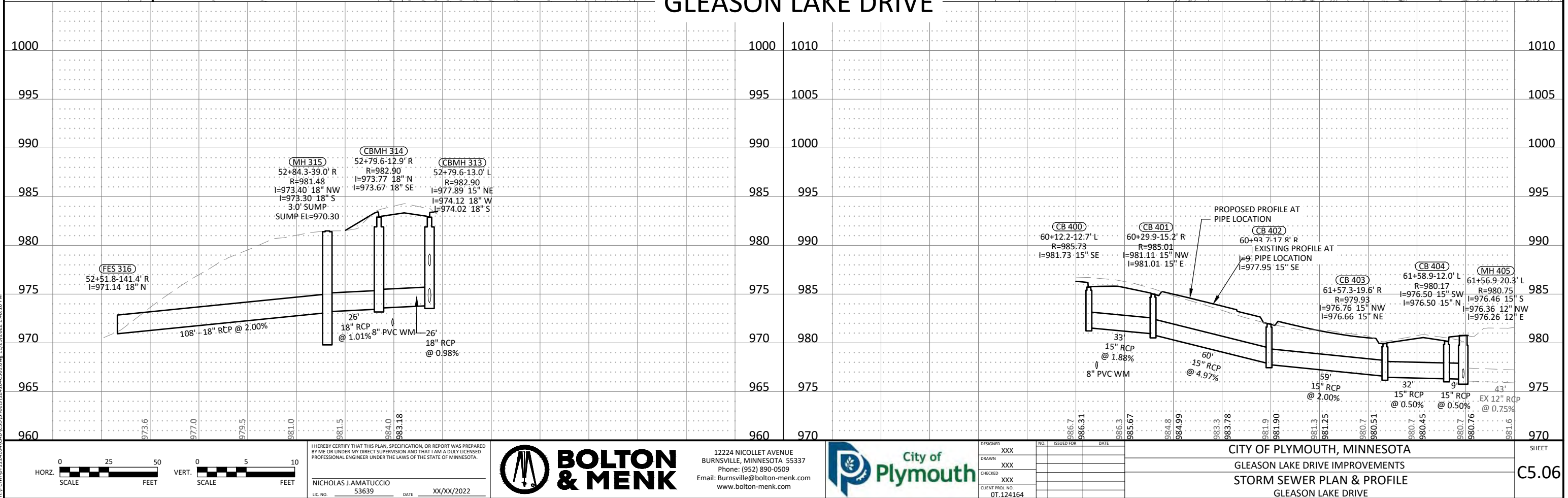
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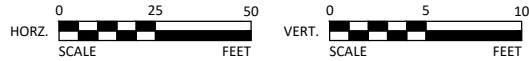
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GLEASON LAKE DRIVE



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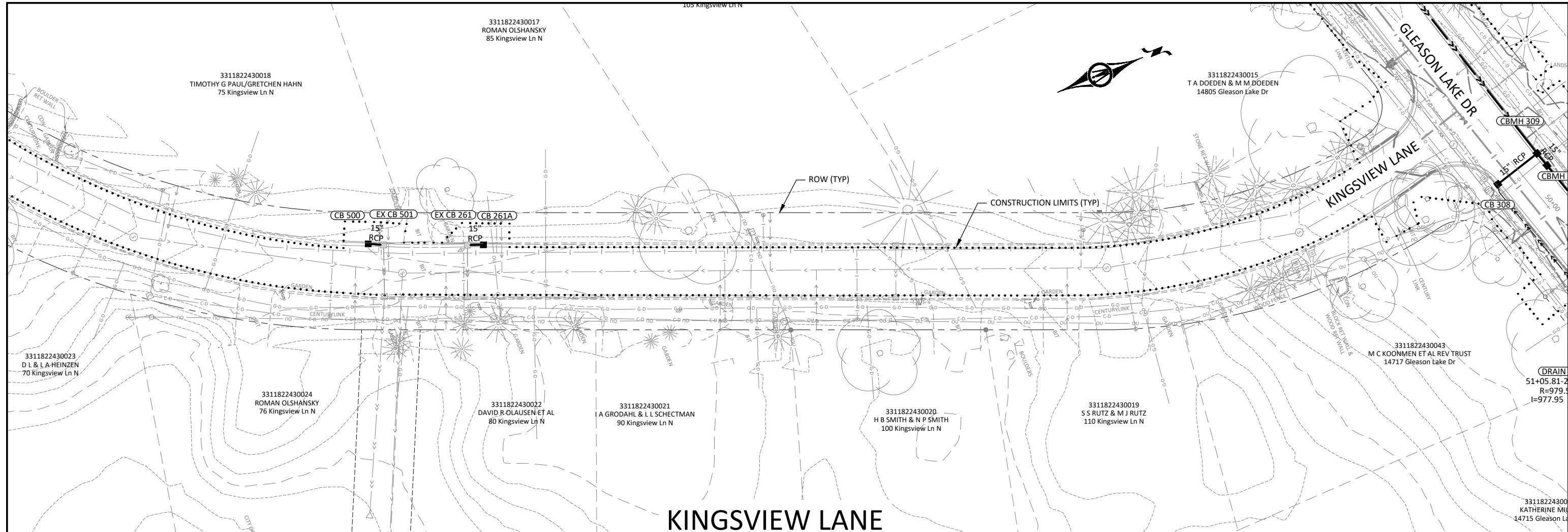
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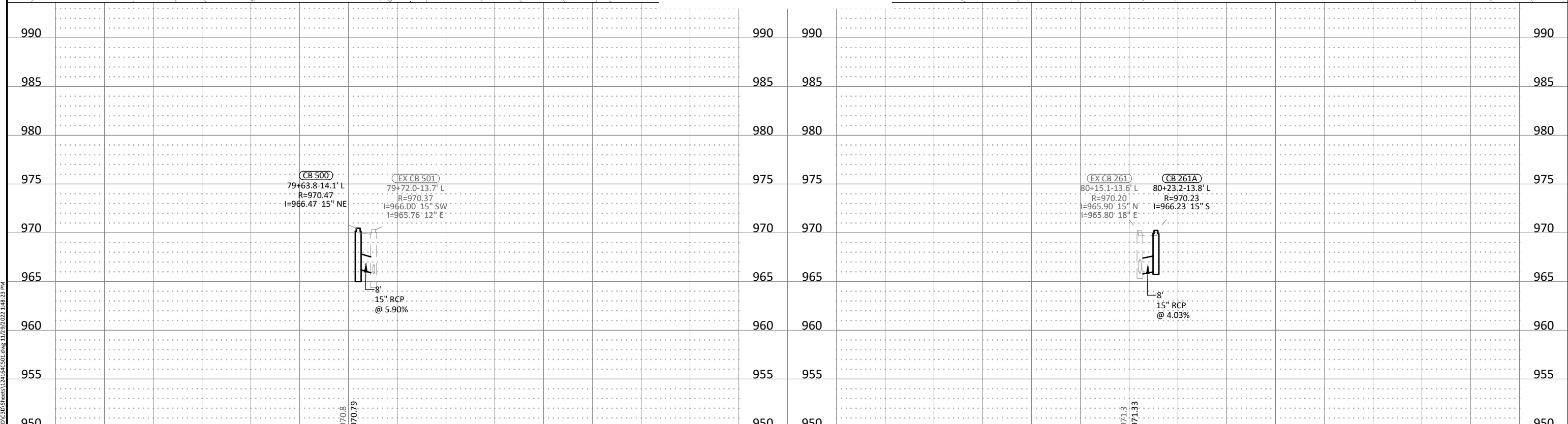
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KINGSVIEW LANE



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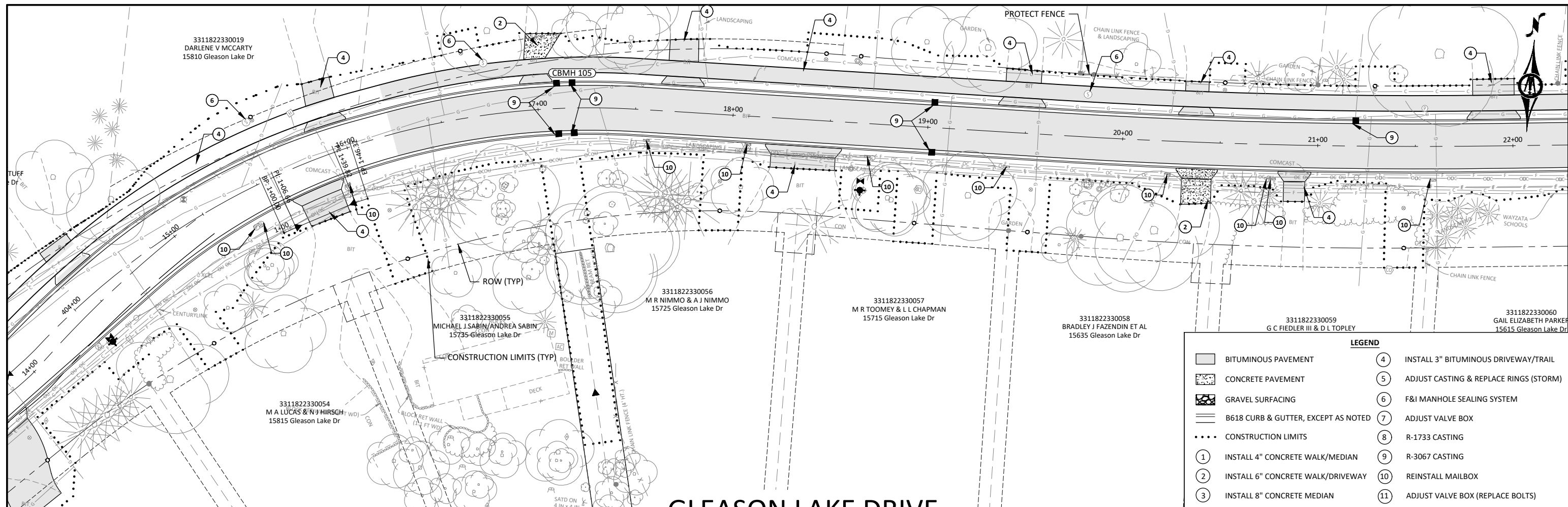
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KINGSVIEW LANE

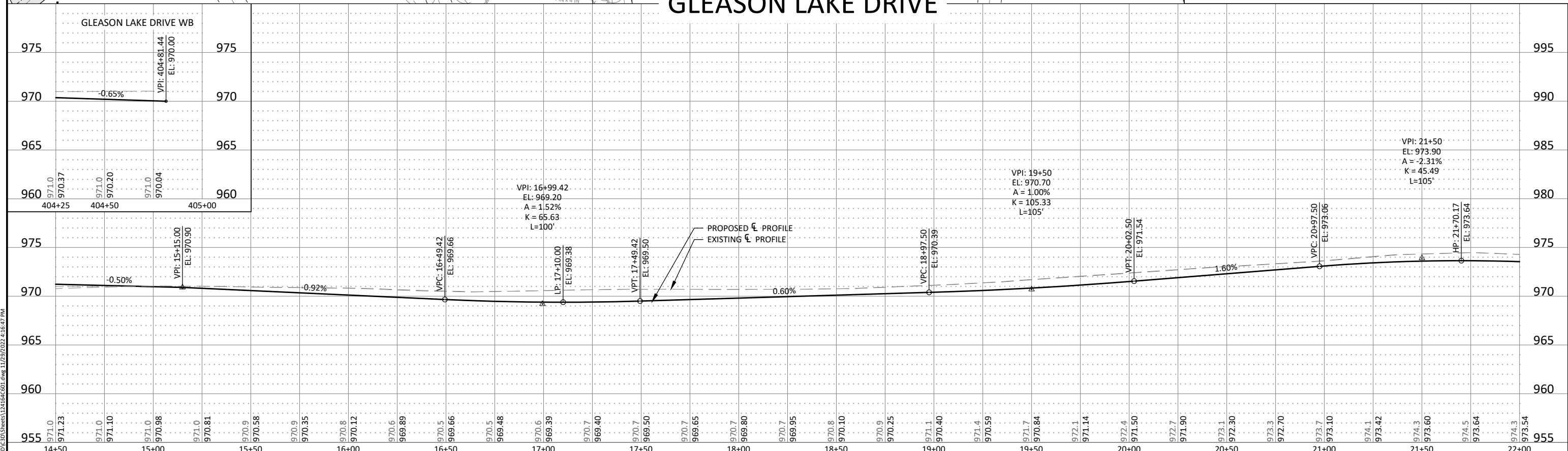
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LEGEND

	BITUMINOUS PAVEMENT	④	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	CONCRETE PAVEMENT	⑤	ADJUST CASTING & REPLACE RINGS (STORM)
	GRAVEL SURFACING	⑥	F&I MANHOLE SEALING SYSTEM
	B618 CURB & GUTTER, EXCEPT AS NOTED	⑦	ADJUST VALVE BOX
	CONSTRUCTION LIMITS	⑧	R-1733 CASTING
①	INSTALL 4" CONCRETE WALK/MEDIAN	⑨	R-3067 CASTING
②	INSTALL 6" CONCRETE WALK/DRIVEWAY	⑩	REINSTALL MAILBOX
③	INSTALL 8" CONCRETE MEDIAN	⑪	ADJUST VALVE BOX (REPLACE BOLTS)

GLEASON LAKE DRIVE



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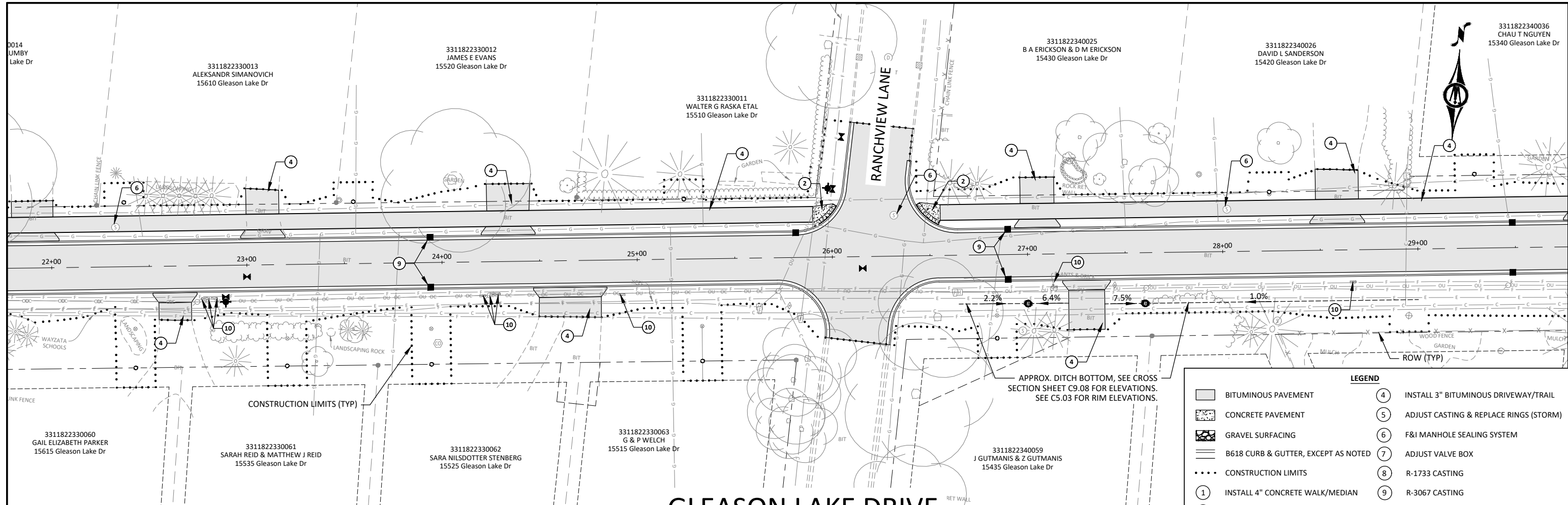
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GLEASON LAKE DRIVE

SHEET
C6.04



GLEASON LAKE DRIVE

LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	ADJUST CASTING & REPLACE RINGS (STORM)
	F&I MANHOLE SEALING SYSTEM
	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)

APPROX. DITCH BOTTOM, SEE CROSS SECTION SHEET C9.08 FOR ELEVATIONS. SEE C5.03 FOR RIM ELEVATIONS.

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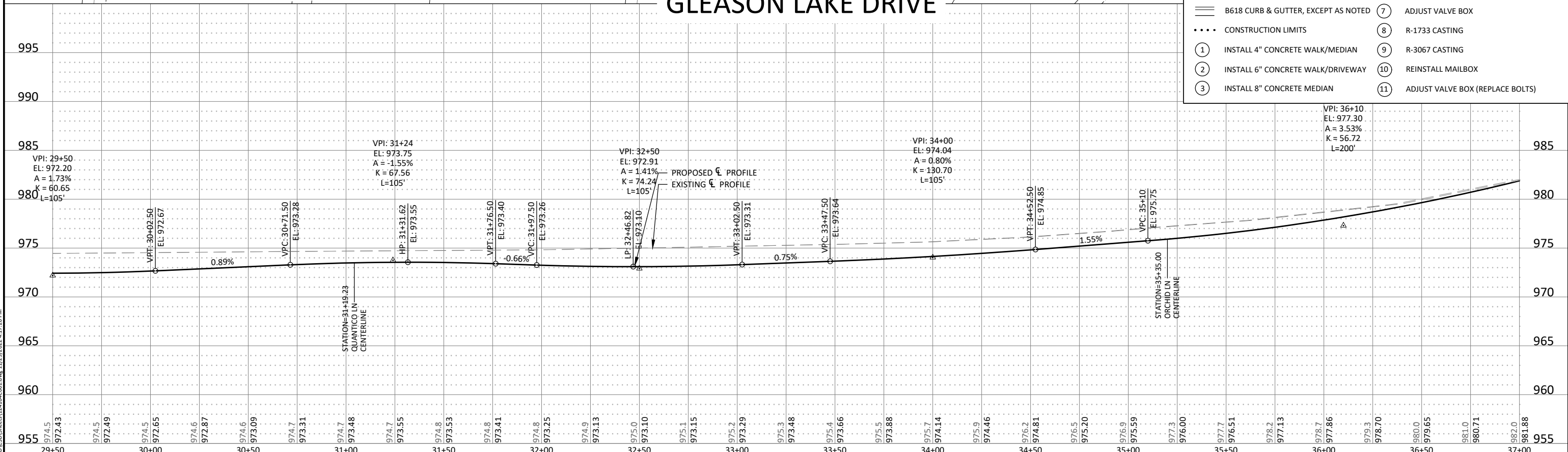
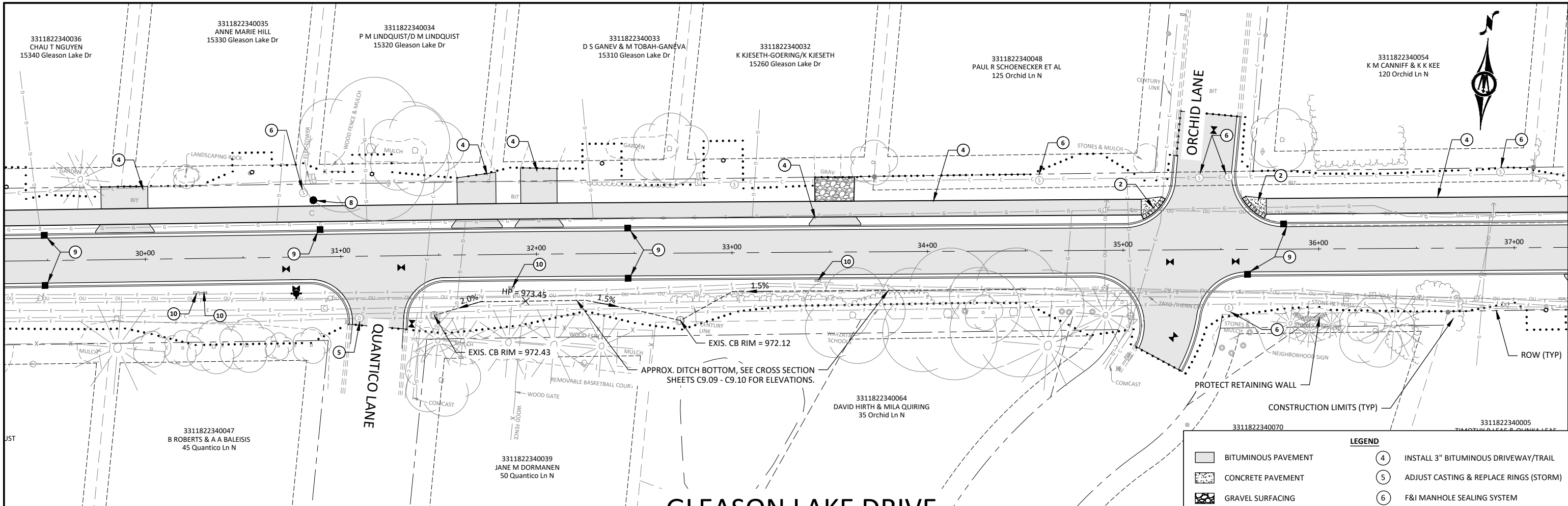
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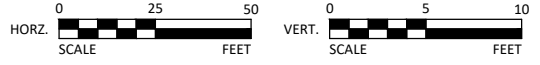
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LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	ADJUST CASTING & REPLACE RINGS (STORM)
	F&I MANHOLE SEALING SYSTEM
	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)

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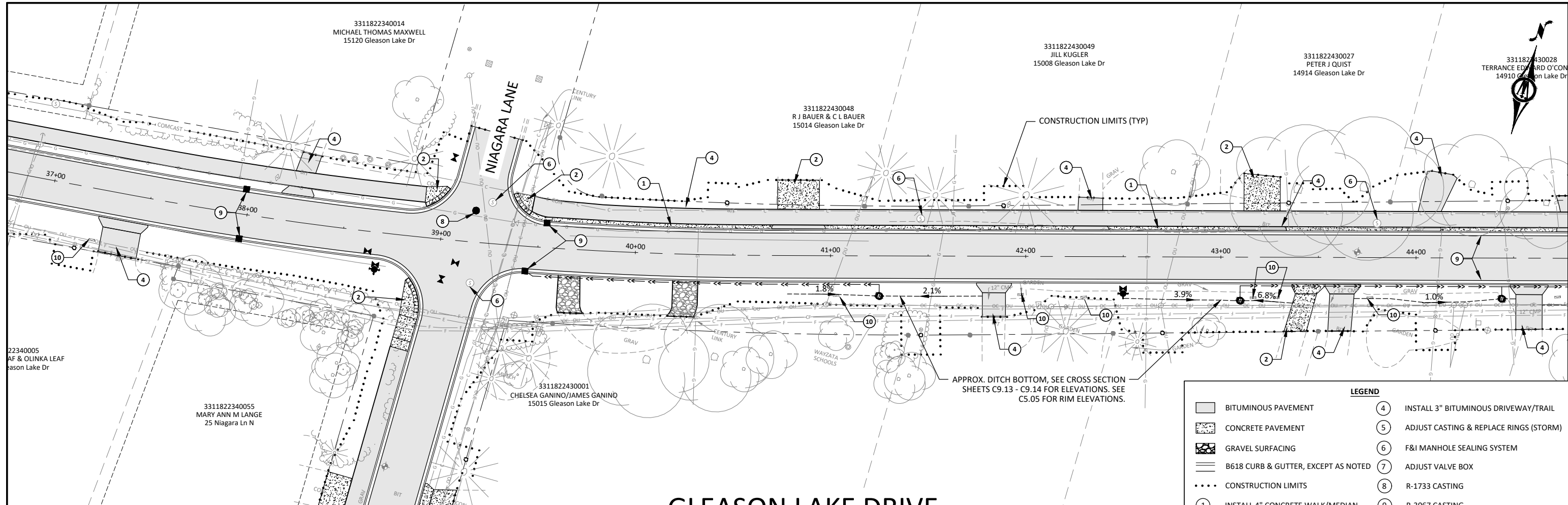
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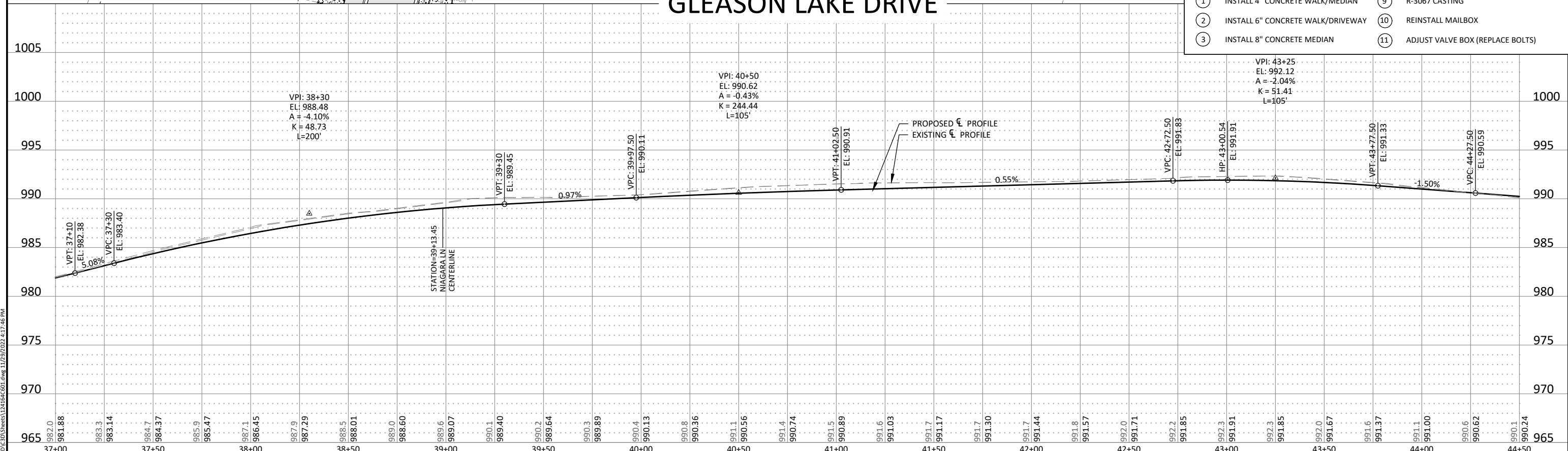
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GLEASON LAKE DRIVE

LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	ADJUST CASTING & REPLACE RINGS (STORM)
	F&I MANHOLE SEALING SYSTEM
	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)



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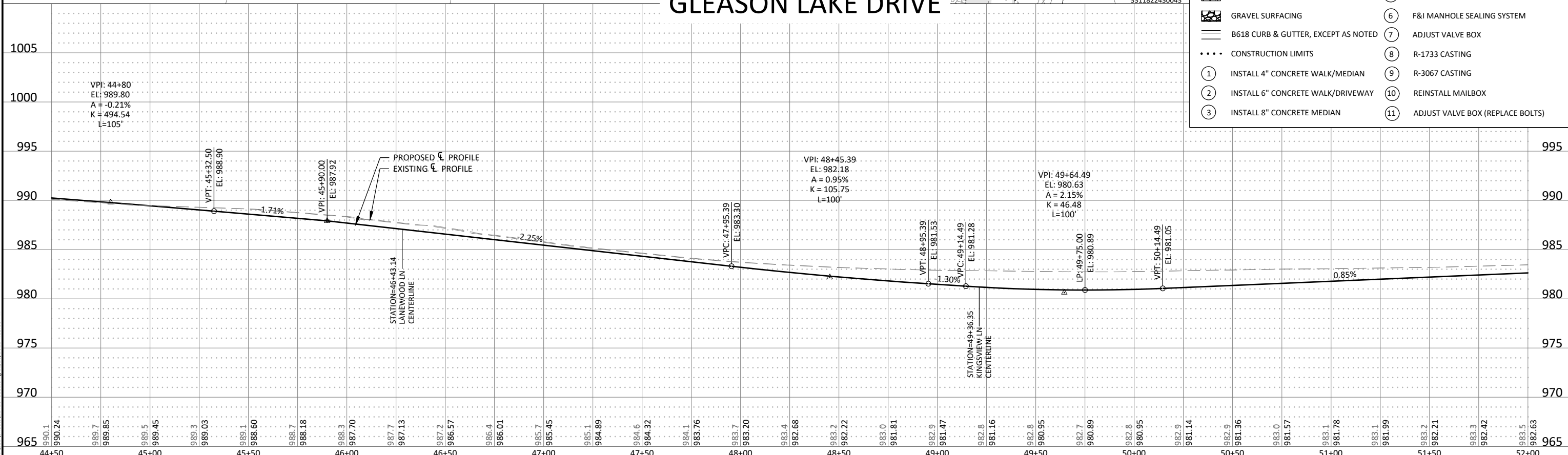
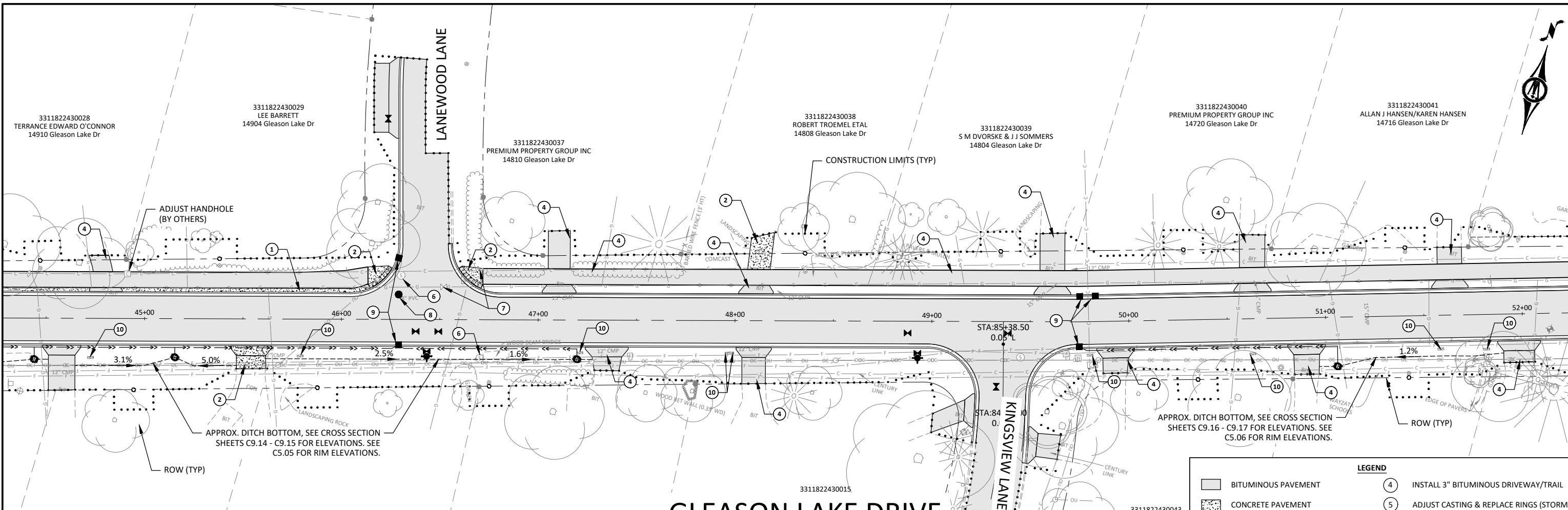
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SHEET
C6.07



LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	ADJUST CASTING & REPLACE RINGS (STORM)
	F&I MANHOLE SEALING SYSTEM
	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)

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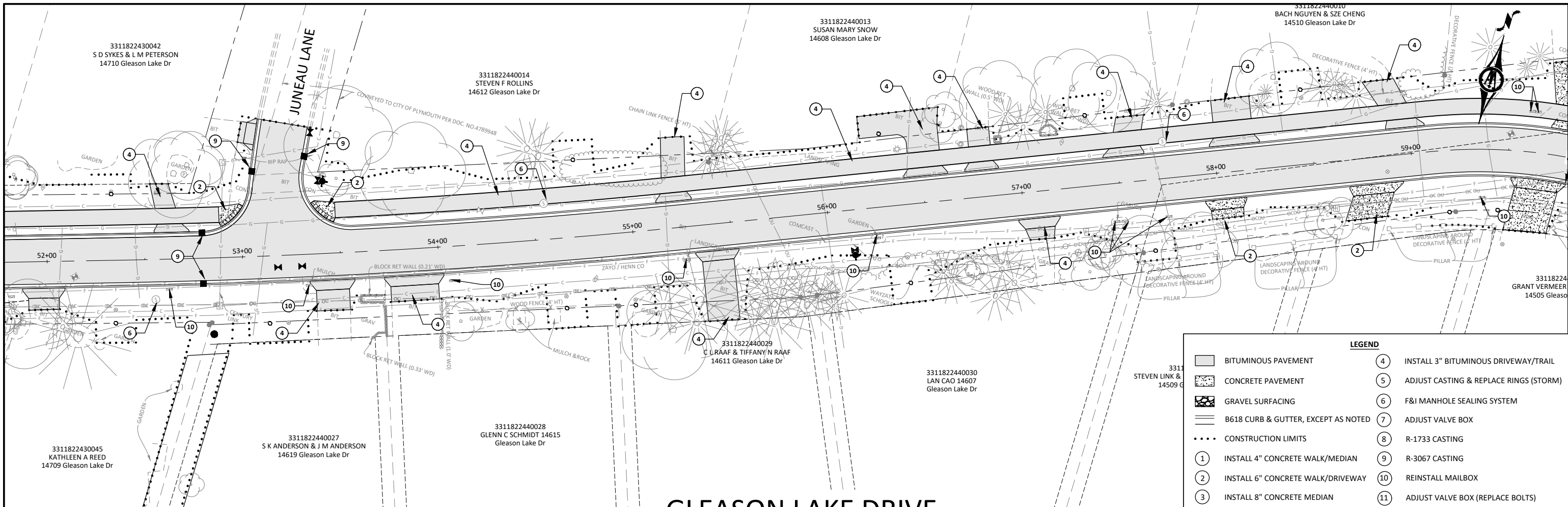
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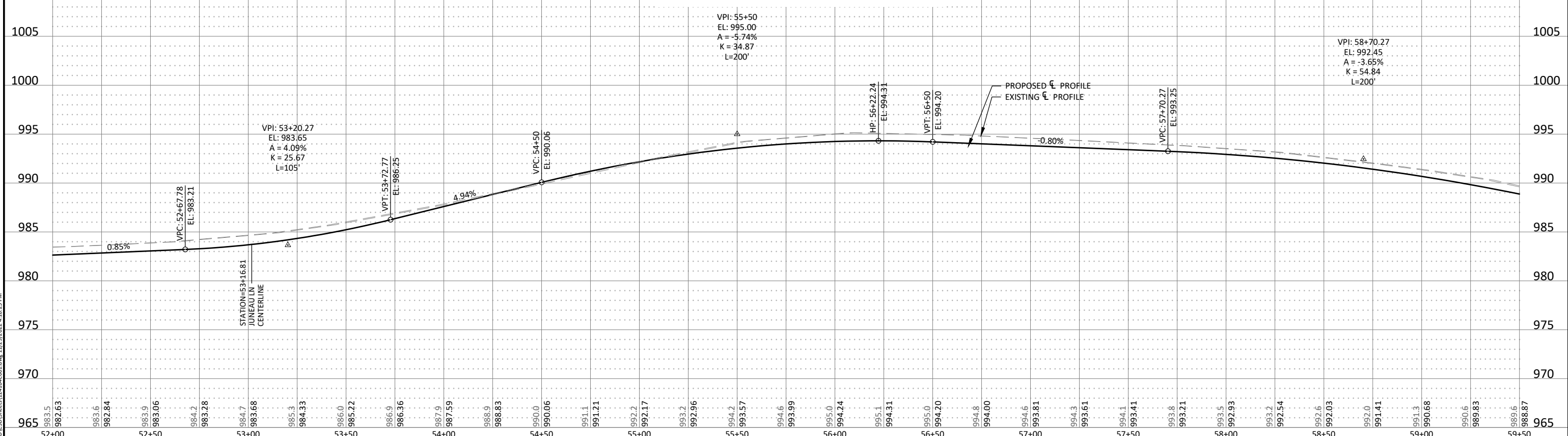
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C6.08



LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	ADJUST CASTING & REPLACE RINGS (STORM)
	F&I MANHOLE SEALING SYSTEM
	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)

GLEASON LAKE DRIVE



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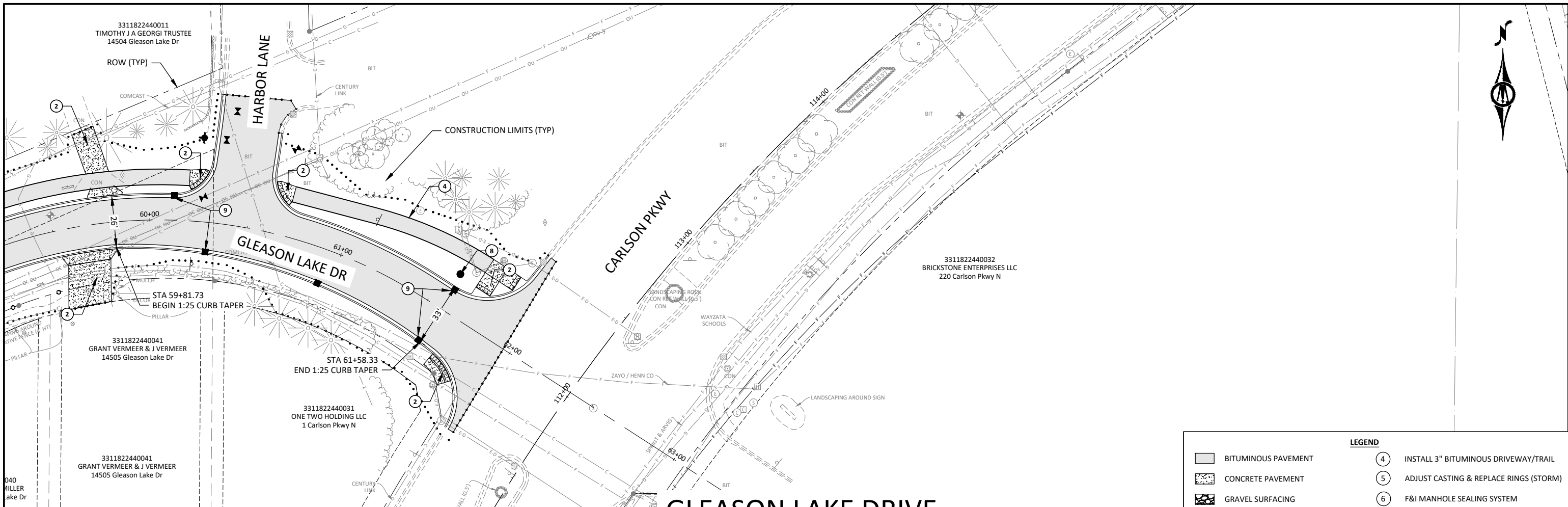
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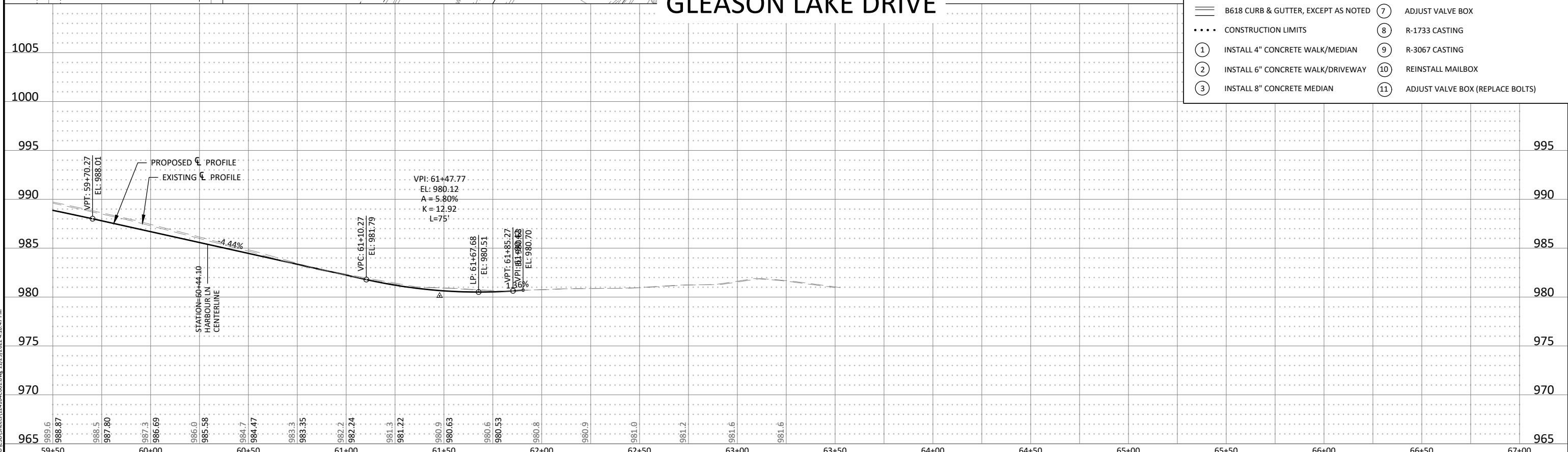
CITY OF PLYMOUTH, MINNESOTA
 GLEASON LAKE DRIVE IMPROVEMENTS
 STREET PLAN & PROFILE
 GLEASON LAKE DRIVE

SHEET
C6.09



GLEASON LAKE DRIVE

LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	ADJUST CASTING & REPLACE RINGS (STORM)
	F&I MANHOLE SEALING SYSTEM
	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)



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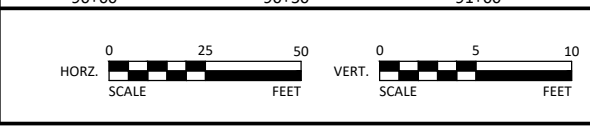
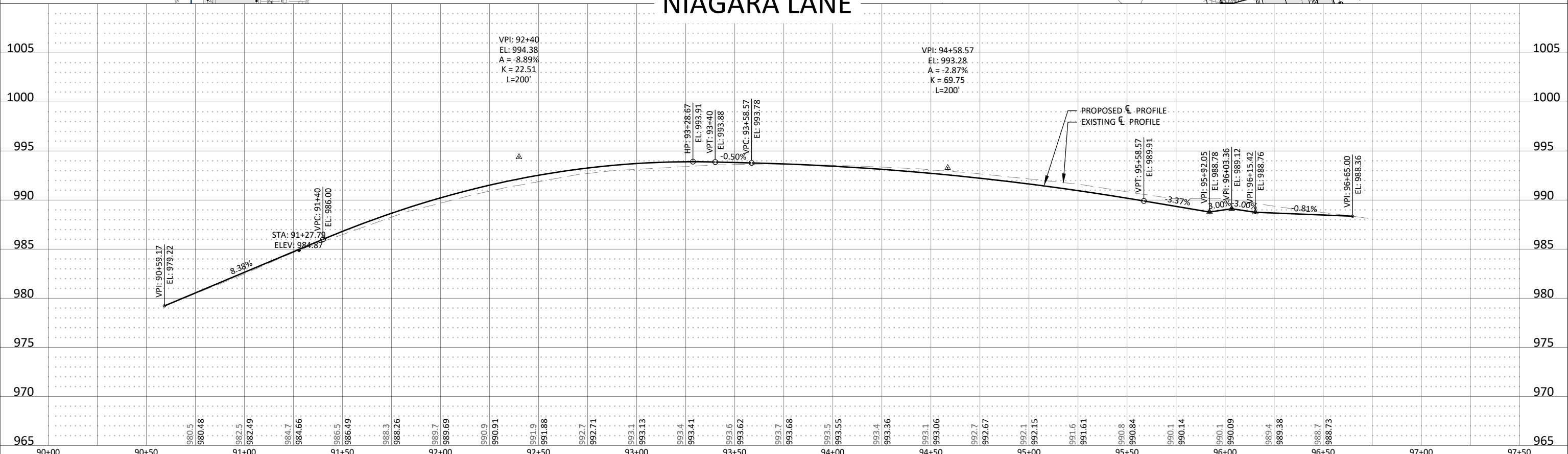
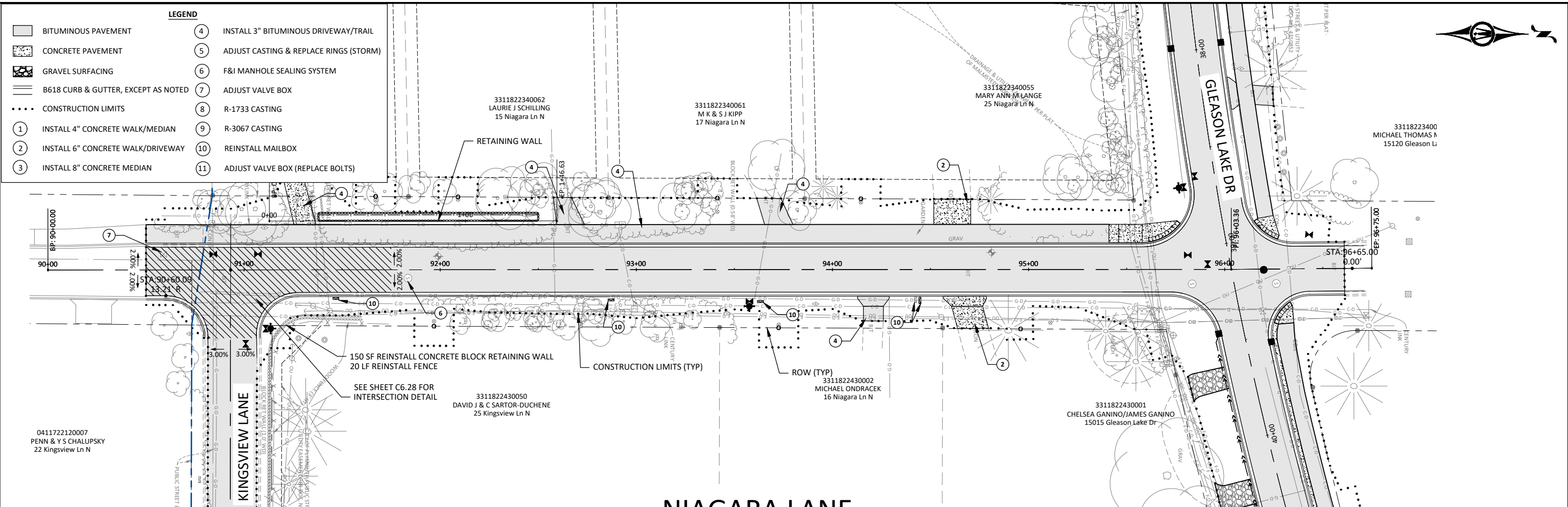
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 STREET PLAN & PROFILE
 GLEASON LAKE DRIVE

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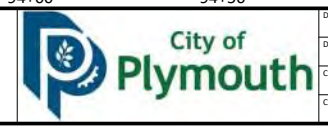


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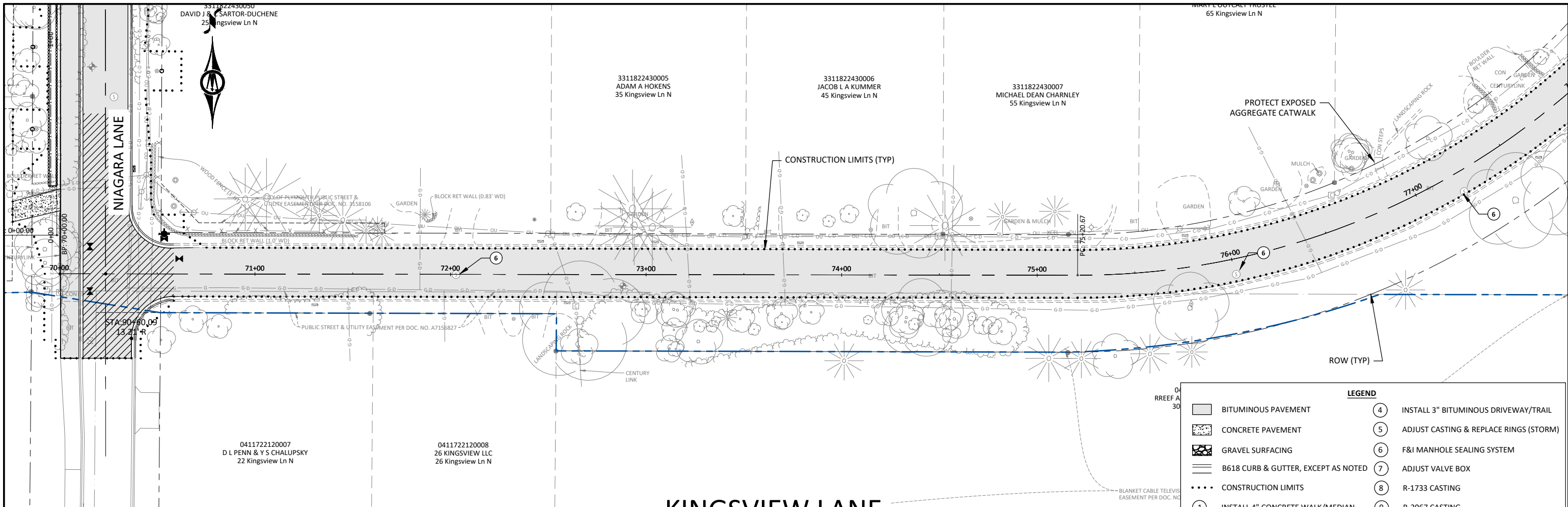


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CITY OF PLYMOUTH, MINNESOTA
GLEASON LAKE DRIVE IMPROVEMENTS
STREET PLAN & PROFILE
NIAGARA LANE

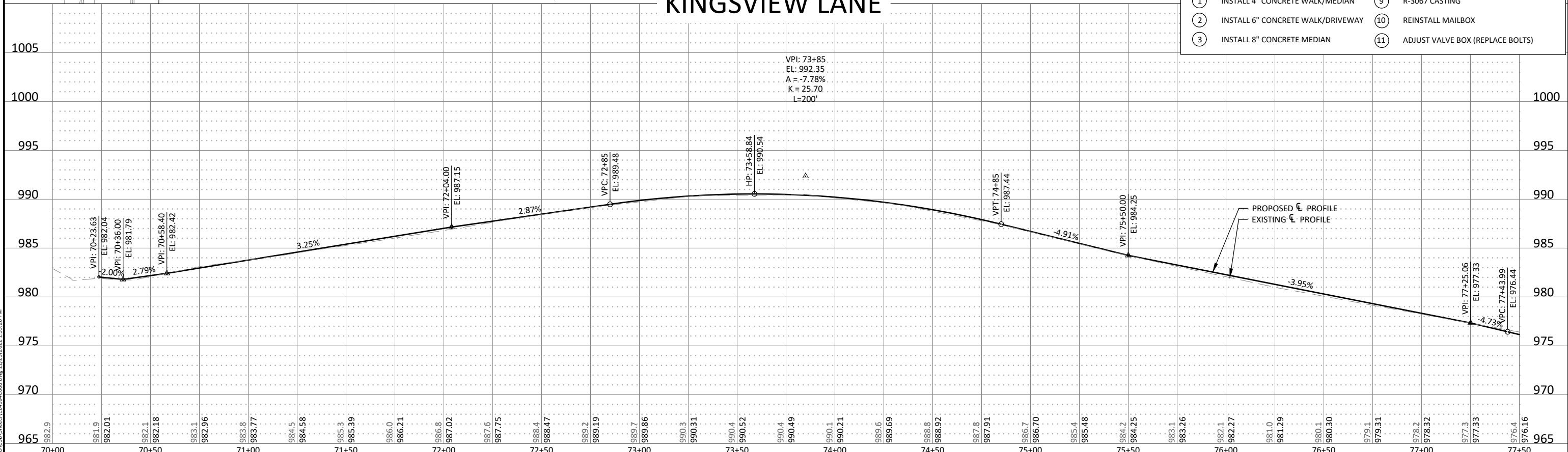
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KINGSVIEW LANE

LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
	INSTALL 3" BITUMINOUS DRIVEWAY/TRAIL
	ADJUST CASTING & REPLACE RINGS (STORM)
	F&I MANHOLE SEALING SYSTEM
	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)



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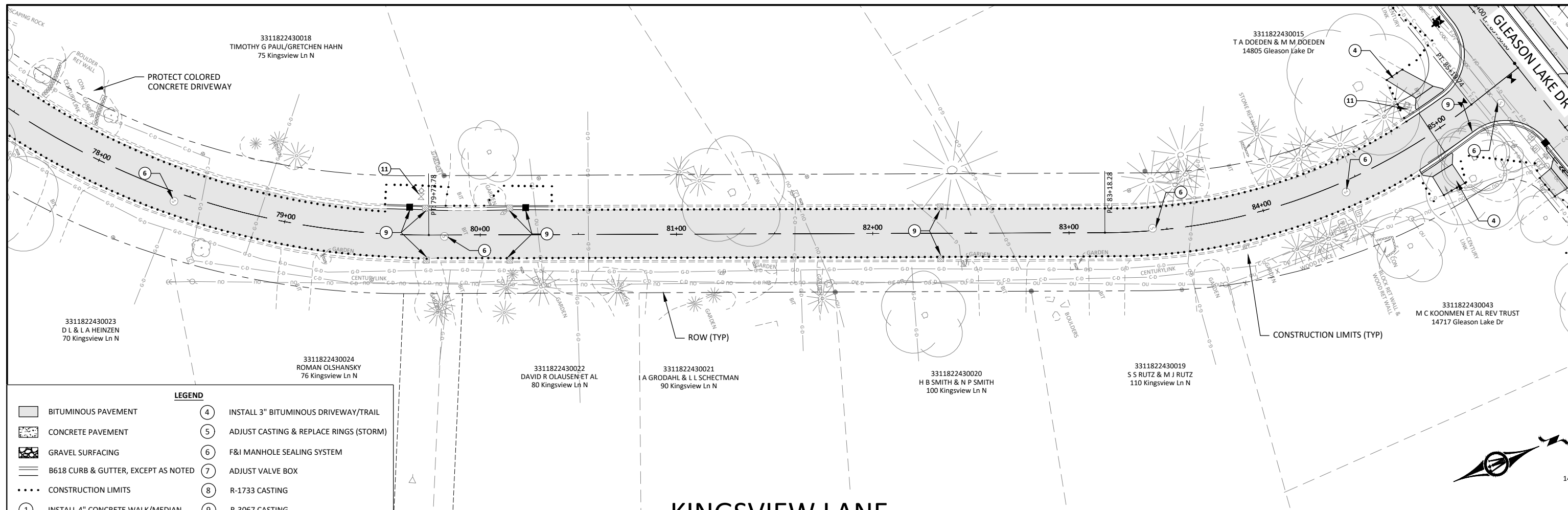
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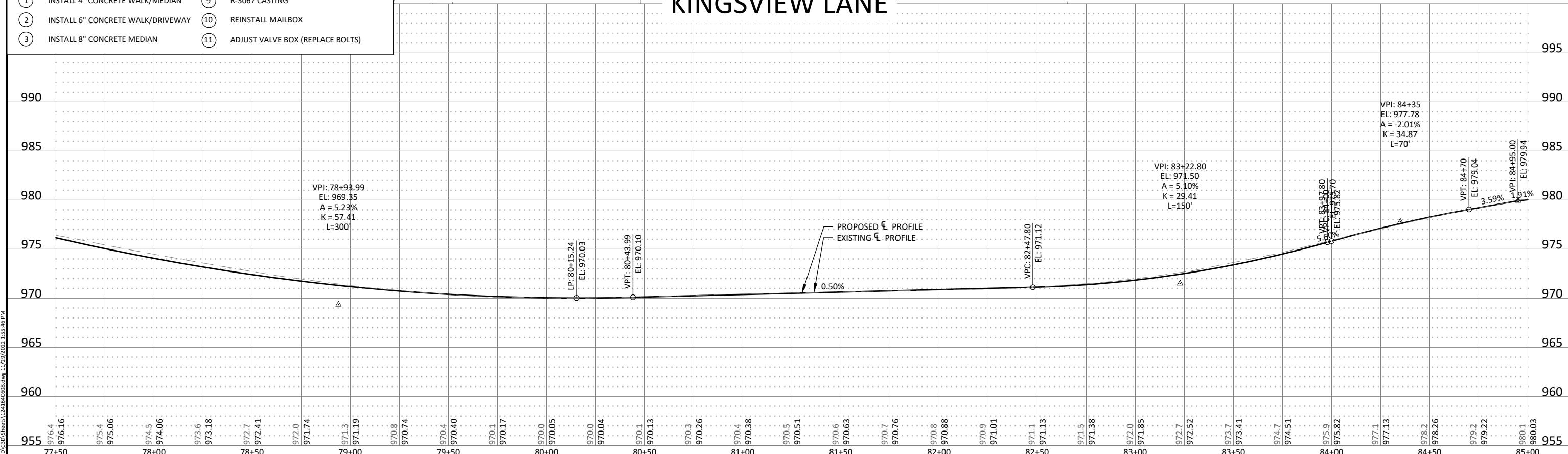
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GLEASON LAKE DRIVE IMPROVEMENTS
STREET PLAN & PROFILE
KINGSVIEW LANE

SHEET
C6.12



KINGSVIEW LANE

LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
	CONSTRUCTION LIMITS
	INSTALL 4" CONCRETE WALK/MEDIAN
	INSTALL 6" CONCRETE WALK/DRIVEWAY
	INSTALL 8" CONCRETE MEDIAN
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	ADJUST VALVE BOX
	R-1733 CASTING
	R-3067 CASTING
	REINSTALL MAILBOX
	ADJUST VALVE BOX (REPLACE BOLTS)



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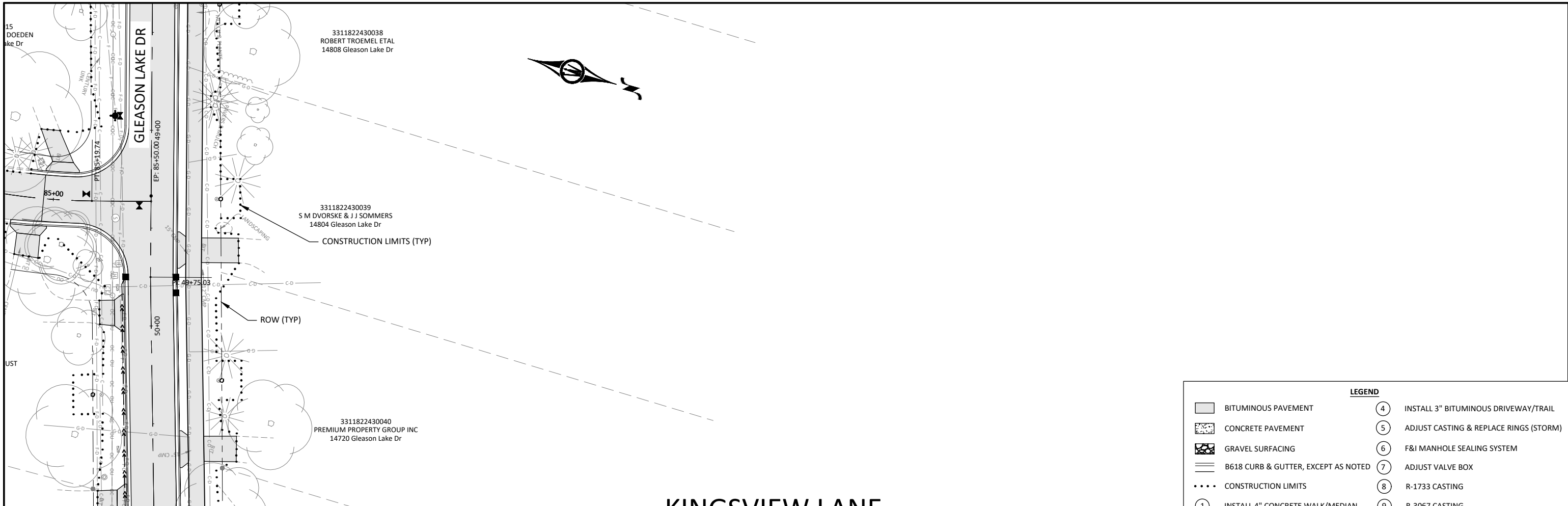
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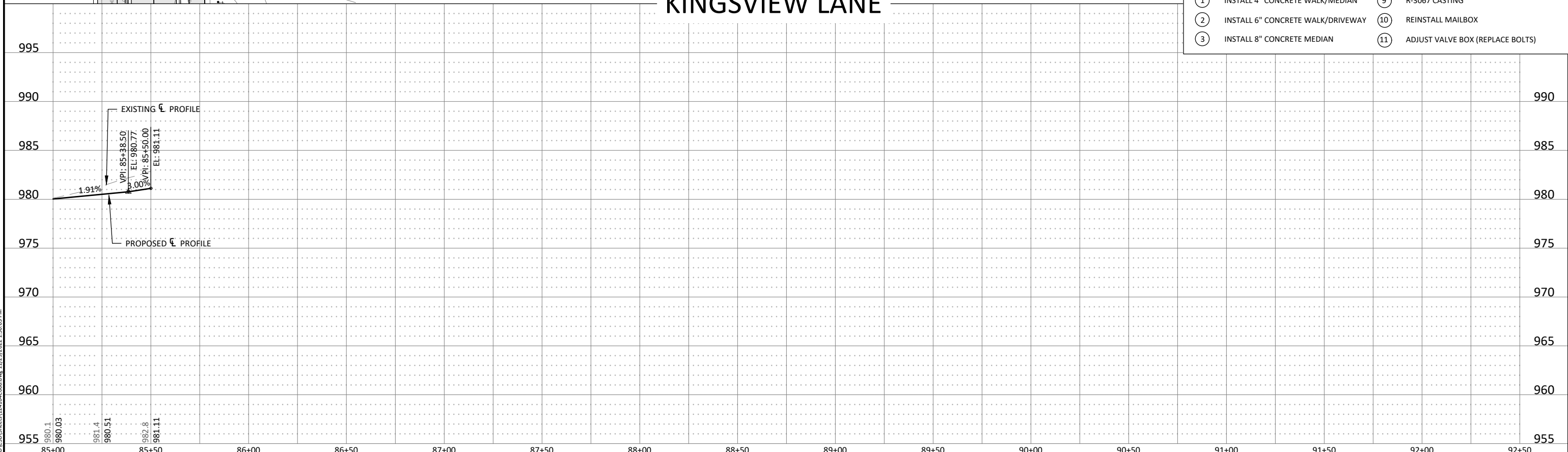
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STREET PLAN & PROFILE
KINGSVIEW LANE

SHEET
C6.13



KINGSVIEW LANE

LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	GRAVEL SURFACING
	B618 CURB & GUTTER, EXCEPT AS NOTED
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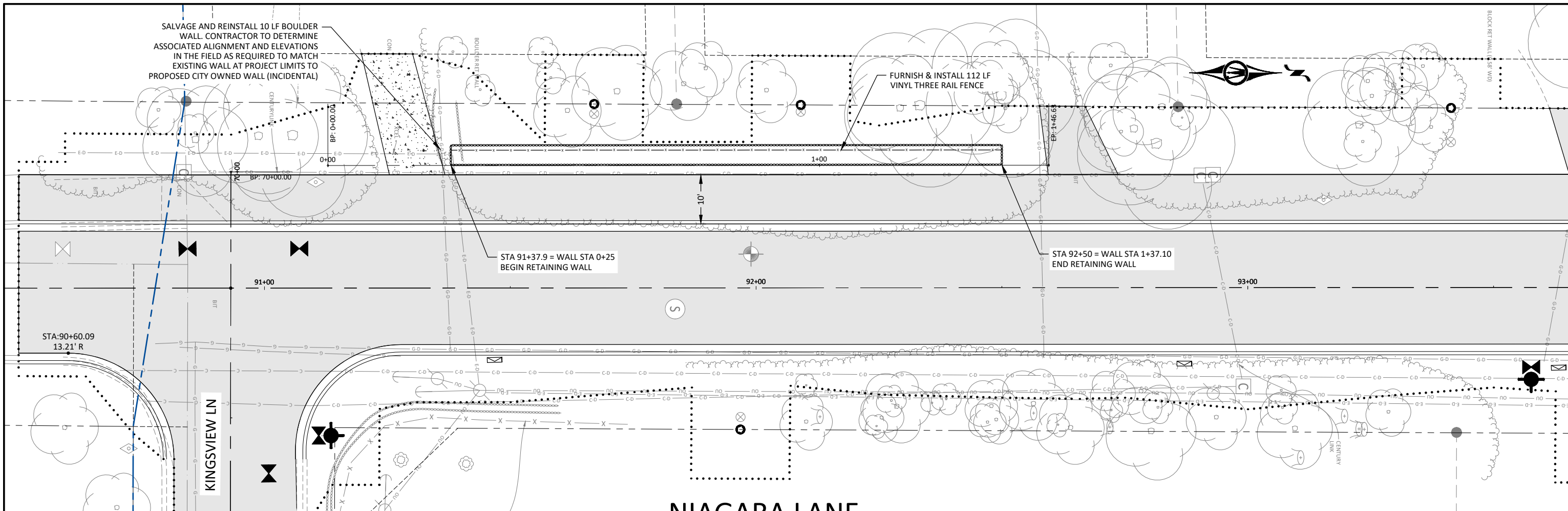
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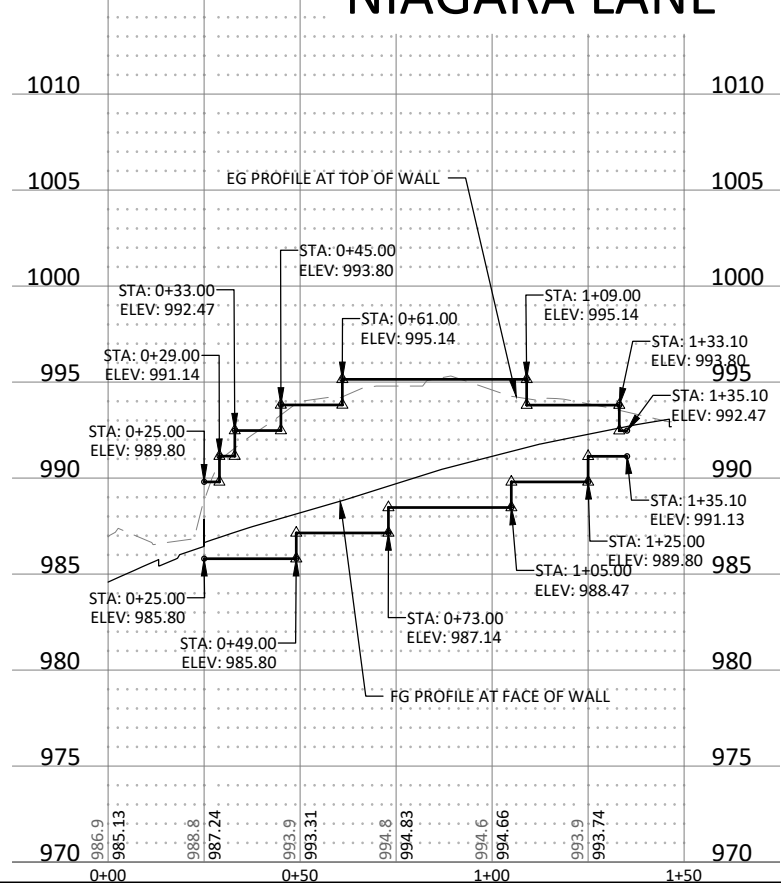
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 GLEASON LAKE DRIVE IMPROVEMENTS
 STREET PLAN & PROFILE
 KINGSVIEW LANE

SHEET
C6.14



NIAGARA LANE



CONSTRUCTION NOTES:

1. SEE CITY STANDARD DETAIL STRT-26 FOR ADDITIONAL REQUIREMENTS. WALL MUST BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER SECURED BY THE CONTRACTOR. ALL ASSOCIATED COSTS FOR RETAINING WALL REQUIREMENTS AND MATERIALS FOR WHICH NO BID ITEM IS PROVIDED SHALL BE CONSIDERED INCIDENTAL.
2. CONTRACTOR MUST NOTIFY ENGINEER IMMEDIATELY OF CHANGES TO WALL LAYOUT NECESSARY TO MATCH EXISTING CONDITIONS AND IMPROVEMENTS.

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GLEASON LAKE DRIVE IMPROVEMENTS
RETAINING WALL PLAN
NIAGARA LANE N

SHEET
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