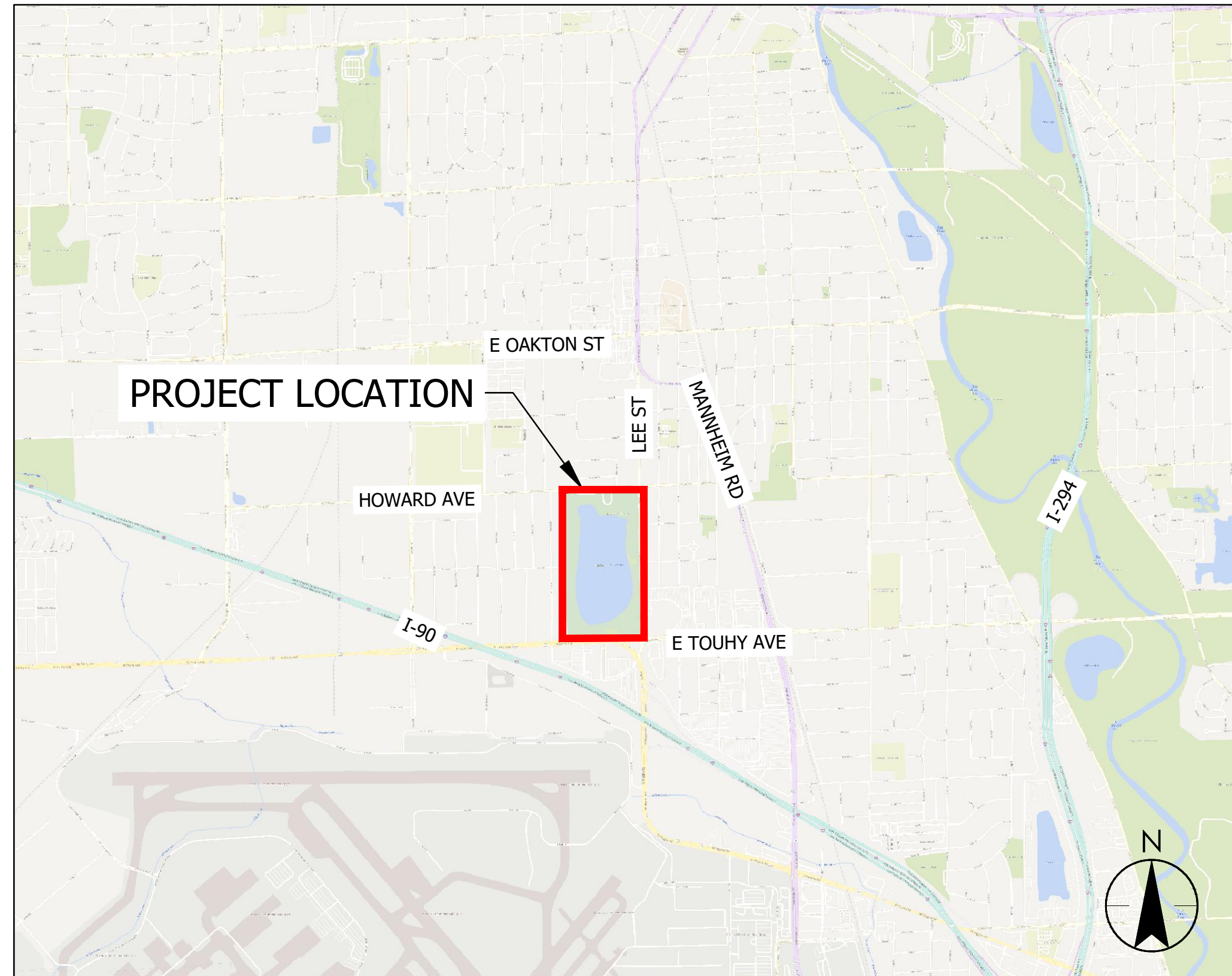


THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

# LAKE OPEKA SHORELINE RESTORATION DES PLAINES PARK DISTRICT DES PLAINES, IL



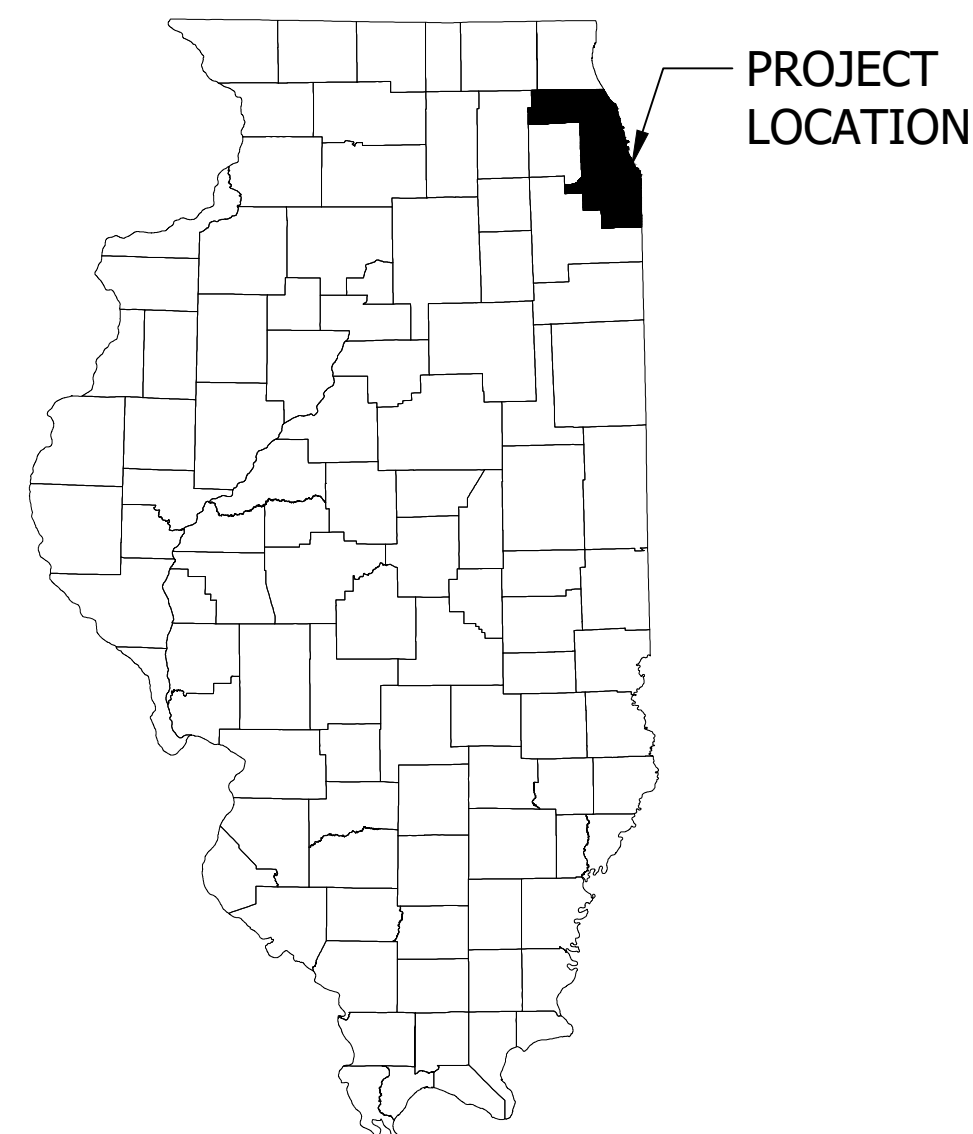
VICINITY MAP  
NO SCALE



LOCATION MAP  
NO SCALE

Sheet List Table	
Sheet Number(s)	Sheet Title
G0.01	COVER SHEET
G0.02-G0.03	GENERAL NOTES
G0.04	CONSTRUCTION STAGING
G0.05 - G0.08	TRAFFIC CONTROL PLAN
G0.09	SHEET INDEX
C0.01 - C0.08	REMOVAL & PROTECTION PLAN
C1.00	NOT USED
C2.01 - C2.04	EROSION CONTROL PLAN
C2.05	EROSION CONTROL DETAILS
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C3.09 - C3.10	GRADING ENLARGEMENT PLAN
C4.00	UTILITY PLANS (NOT USED)
C5.01 - C5.08	SITE PLAN
C6.01 - C6.08	COORDINATE PLAN
C7.01 - C7.08	TYPICAL SECTIONS
C8.01 - C8.02	SITE PLAN DETAILS
L1.01 - L1.08	LANDSCAPE PLAN NIC - FOR REFERENCE ONLY
L8.01	LANDSCAPE DETAILS

## COOK COUNTY, IL (NOT TO SCALE)



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### DRAINAGE CERTIFICATION STATEMENT:

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE DRAINAGE OF THE SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF THIS PROJECT OR ANY PART THEREOF, OR, THAT IF DRAINAGE WILL BE CHANGED, REASONABLE PROVISION HAS BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS, OR DRAINS APPROVED FOR USE BY THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING, AND THAT SUCH SURFACE WATERS ARE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO ADJOINING PROPERTIES BECAUSE OF THE CONSTRUCTION OF THIS PROJECT.

ENGINEER: *Christian N. Burnson*  
LICENSE: 062-071198 EXP. DATE: 11/30/2025

### PROJECT TEAM:

<b>OWNER:</b> DES PLAINES PARK DISTRICT LAKE PARK GOLF COURSE & MARINA TEL. 847-391-5730 1015 HOWARD AVENUE DES PLAINES, IL 60018  PAUL CATHEY DEPUTY DIRECTOR DES PLAINES PARK DISTRICT 847-391-5088 paulc@dpparks.org	<b>PROJECT MANAGER:</b> STANTEC Contact: THERA NOVOTNY, PE TEL. 1-312-831-3043 Thera.Novotny@stantec.com	<b>LANDSCAPE ARCHITECT:</b> STANTEC Contact: SARAH MCDONALD, PLA TEL. 414-279-9974 Sarah.McDonald@stantec.com	<b>CIVIL ENGINEER:</b> STANTEC Contact: CHRISTIAN BURNSON, PE TEL. 608-843-0163 Christian.Burnson@stantec.com
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THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

STANTEC ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT WRITTEN CONSENT OF STANTEC.

THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. STANTEC HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.



ISSUED FOR  
CONSTRUCTION  
SUBJECT TO ADDENDA

COVER SHEET  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE  
January 8, 2024

NO. REVISION DATE

SURVEY WT  
DRAWN KG, SW  
DESIGNED CB  
CHECKED CB  
APPROVED TN

PROJ. NO. 173420083

SHEET NUMBER  
G0.01

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**GENERAL NOTES:**

1. DETAILS AND NOTES, RELATIVE TO EXISTING SURFACE AND UNDERGROUND UTILITIES SHOWN AND LOCATED ON THE PLANS ARE NOT GUARANTEED ACCURATE BY THE DES PLAINES PARK DISTRICT. THE CONTRACTOR SHALL VERIFY SUCH DETAILS AND NOTES IN THE FIELD AND WITH, BUT NOT LIMITED TO, THE FOLLOWING:
  - A. CITY AND PARK DISTRICT OF DES PLAINES
  - B. COMED
  - C. NICOR GAS
  - D. COMCAST
  - E. AT & T
  - F. PROPERTY OWNERS WHERE CONSTRUCTION IS LOCATED
  - G. SPRINT
  - H. RCP FIBER/US XCHANGE
2. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983.
3. THE CONTRACTOR SHALL MAINTAIN IN SERVICE EXISTING SEWERS, CULVERTS, DITCHES, DRAINS, MANHOLES AND CATCH BASINS DURING CONSTRUCTION. CHANGES OR MODIFICATIONS TO THESE EXISTING FACILITIES, DUE TO CONSTRUCTION UNDER THIS CONTRACT, SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL VERIFY CONTOUR ELEVATIONS SHOWN ON THE LOCATION PLAN DRAWINGS PRIOR TO START OF WORK AT SITE. IF DISCREPANCIES BECOME APPARENT AND STRUCTURE ELEVATIONS NEED ADJUSTMENT, THE ADJUSTMENTS WILL BE MADE BY THE DISTRICT PRIOR TO START OF WORK AND AFTER SUCH DISCREPANCIES ARE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
5. DISTRICT AND OWNER ARE USED INTERCHANGEABLY FOR DES PLAINES PARK DISTRICT OR THEIR REPRESENTATIVES.
6. SURVEY DATA AND BASE MAPS FOR THE DRAWINGS WERE PREPARED IN 2022.
7. BENCHMARK LOCATIONS AND ELEVATIONS ARE SHOWN ON G0.04. NORTHING AND EASTING COORDINATES ARE SHOWN ON SHEETS C6.01 TO C6.08.
8. LOCATIONS OF UTILITIES ARE APPROXIMATE. BEFORE CONSTRUCTION ACTIVITY STARTS, CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES.
9. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES NECESSARY TO PROTECT IMPROVEMENTS, UTILITIES, AND SHORELINE AND LAKE BED OF LAKE OPEKA. DAMAGE BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
10. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY-EIGHT HOURS PRIOR TO THE START OF CONSTRUCTION.
11. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
12. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
13. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES AND SHALL STATE SUCH QUANTITIES IN THE PROPOSAL. THE CONTRACTOR SHALL BASE THEIR BID ON THEIR OWN ESTIMATE OF THE WORK REQUIRED AND SHALL NOT RELY ON THE ENGINEER'S ESTIMATE.
14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. A GEOTECHNICAL REPORT MAY BE AVAILABLE FROM THE OWNER. THE CONTRACTOR SHALL ABIDE BY THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
15. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
16. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT THE WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
17. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL JULIE AT (800)-892-0123 TO NOTIFY THE UTILITIES OF THE CONTRACTOR'S INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
18. CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES. STREET SWEEPER TO BE MADE AVAILABLE DURING CONSTRUCTION OPERATIONS TO REMOVE MUD AND DEBRIS ON ADJACENT ROADWAYS.
19. ANY ADJACENT PROPERTIES OR ROAD RIGHTS-OF-WAY WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR. THE COST OF THE RESTORATION IS CONSIDERED INCIDENTAL AND SHOULD BE INCLUDED IN THE BID PRICES. IF DAMAGES OCCUR TO CITY/PARK PROPERTY, CONTRACTOR SHALL CONDUCT REPAIRS BY REFERRING TO CITY OF DES PLAINES DETAILS FOR PAVEMENT PATCH, SIDEWALK, CURB OR OTHER PERTINENT REPAIR ITEM.
20. ANY PARKWAYS DAMAGED BY CONTRACTOR SHALL BE RESTORED WITH SOD.
21. SHOULD A CONFLICT ARISE IN STANDARDS USED ON THE PROJECT, CITY STANDARDS SHALL SUPERSEDE ALL OTHERS.

**GRADING:**

1. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE ILLINOIS D.O.T. STANDARD SPECIFICATIONS, LOCAL ORDINANCES AND SPECIFICATIONS, AND RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
2. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING.
3. SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY.
4. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT.
5. GRADING SHALL CONSIST OF CLEARING AND GRUBBING EXISTING VEGETATION, STRIPPING TOPSOIL, REMOVAL OF THE EXISTING PAVEMENT OR FOUNDATIONS, IMPORTING OR EXPORTING MATERIAL TO ACHIEVE AN ON-SITE EARTHWORK BALANCE, GRADING THE PROPOSED BUILDING PADS AND PAVEMENT AREAS, SCARIFYING AND FINAL COMPACTION OF THE PAVEMENT SUBGRADE, AND PLACEMENT OF TOPSOIL.
6. NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE. THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY THE GEOTECHNICAL ENGINEER BEFORE ANY MATERIAL IS PLACED.
7. ALL FILL SHALL BE CONSIDERED STRUCTURAL FILL AND SHALL BE PLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
8. ALL SIDEWALKS AND BITUMINOUS PATHS SHALL HAVE A MAXIMUM 2.0% CROSS SLOPE.

**EROSION CONTROL NOTES:**

1. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED BEFORE CONSTRUCTION ACTIVITIES BEGIN IN EACH REPRESENTATIVE PROJECT PHASE. PRACTICES SHALL BE CHECKED FOR EFFECTIVENESS WEEKLY AND FOLLOWING RAINFALL EVENTS 0.5 INCHES OR GREATER. ANY DEVICES NEEDING REPAIR SHALL BE ADDRESSED IMMEDIATELY. THE INSPECTIONS SHALL BE RECORDED AND KEPT ON FILE ONSITE WITH THE STORMWATER POLLUTION PREVENTION PLAN.
2. STORM DRAIN INLET PROTECTION SHALL BE REPLACED OR CLEANED WHEN SEDIMENT COLLECTED IN THE DEVICE HAS REDUCED THE CAPACITY BY HALF. ACCUMULATED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
3. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD OR SIDEWALK SHALL BE REMOVED BY STREET CLEANING, OTHER THAN FLUSHING, IMMEDIATELY.
4. SILT FENCES SHALL BE REPAIRED WHEN SEDIMENT HAS REACHED HALF THE HEIGHT OF THE FENCE. SILT FENCE HAVE A MAXIMUM LIFE SPAN OF ONE YEAR, AND SHALL BE REPLACED WHEN WORN OUT. DAMAGED OR DECOMPOSED EROSION CONTROL PRACTICES, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.
5. SEEDED AREAS SHALL BE FERTILIZED, RESEDED AND MULCHED AS NECESSARY. INSPECT SEEDED AREAS WEEKLY AFTER PLANTING TO ENSURE THAT VEGETATION IS ADEQUATELY ESTABLISHED. LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEEDED.
6. ALL EXPOSED SOIL AREAS NOT DISTURBED FOR UP TO SEVEN DAYS SHALL BE IMMEDIATELY COVERED WITH EROSION CONTROL BLANKET.
7. MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.
8. EROSION MATTING, SILT FENCE, STRAW WATTLES, TEMPORARY DITCH CHECKS, STONE OUTLET PROTECTION, ETC. SHALL BE REPLACED AS NECESSARY.
9. STONE TRACKING PAD SHALL BE SCRAPED AND CLEANED WHEN EXISTING STONE BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM TIRES. SEDIMENT THAT IS TRACKED ONTO THE PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. A MINIMUM 12-INCH THICK PAD SHALL BE MAINTAINED.
10. DEWATERING AS NEEDED TO BE DONE ACCORDING TO ILLINOIS URBAN MANUAL (IUM).
11. ALL EROSION CONTROL METHODS SHALL BE IN ACCORDANCE WITH IUM (ILLINOIS URBAN MANUAL) TECHNICAL STANDARDS AND CITY OF DES PLAINES AND DES PLAINES PARK DISTRICT REQUIREMENTS AND STANDARDS.
12. CONTRACTOR SHALL KEEP A COPY OF THE EROSION CONTROL PLANS AT THE PROJECT SITE AND PROVIDE COMPLETED INSPECTION FORMS TO DES PLAINES PARK DISTRICT. THE DES PLAINES PARK DISTRICT AND SOIL AND WATER CONSERVATION DISTRICT OF COOK COUNTY MAY REQUEST INSPECTION REPORTS AT ANY TIME.
13. COPIES OF THE INSPECTION REPORTS SHALL BE KEPT AT THE PROJECT SITE FOR THE PARK DISTRICT AND SOIL AND WATER CONSERVATION DISTRICT OF COOK COUNTY ACCESS.
14. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL MEASURES AND PERFORMING MAINTENANCE THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.
15. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EROSION CONTROL MEASURES WITH LANDSCAPE CONTRACTOR.

THE FOLLOWING CONSTRUCTION SITE INSPECTIONS SHALL BE PERFORMED BY THE CONTRACTOR, AND ARE REQUIRED PER THE IPDES GENERAL PERMIT:

1. STONE TRACKING PAD SHALL BE SCRAPED AND CLEANED WHEN EXISTING STONE BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM TIRES. SEDIMENT THAT IS TRACKED ONTO THE PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. A MINIMUM 12-INCH THICK PAD SHALL BE MAINTAINED.
2. CONDUCT WEEKLY INSPECTIONS OF IMPLEMENTED EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES, AND REPORTING.
3. INSPECTIONS OF EROSION AND SEDIMENT CONTROL WITHIN 24 HOURS AFTER A PRECIPITATION EVENT OF 0.5 INCHES OR GREATER, AND REPORTING.
4. REPAIR OR REPLACE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR DEPARTMENT NOTIFICATION THAT A REPAIR OR REPLACEMENT IS NEEDED.
5. MAINTAIN WEEKLY WRITTEN REPORTS OF ALL INSPECTIONS CONDUCTED AT THE CONSTRUCTION SITE. WEEKLY INSPECTION REPORTS SHALL INCLUDE ALL OF THE FOLLOWING:
  - DATE, TIME AND LOCATION OF THE CONSTRUCTION SITE INSPECTION.
  - NAME OF THE INDIVIDUAL WHO PERFORMED THE INSPECTION.
  - ASSESSMENT OF THE CONDITION OF EROSION AND SEDIMENT CONTROLS.
  - DESCRIPTION OF ANY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE IMPLEMENTATION, FAILURE AND MAINTENANCE PERFORMED.
  - DESCRIPTION OF THE PRESENT PHASE OF LAND DISTURBING ACTIVITY AT THE CONSTRUCTION SITE.

**UTILITY NOTES**

1. BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES. IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSSIBLE REDESIGN.

**INSTRUMENTATION AND MONITORING**

1. ANY MAJOR UTILITY AND STRUCTURES THAT COULD BE IMPACTED BY CONSTRUCTION SHALL MOCE MONITORED FOR SETTLEMENT OR MOVEMENT DURING CONSTRUCTION.

**GENERAL LANDSCAPE NOTES:**

1. CONTRACTOR RESPONSIBLE TO VERIFY THE EXACT LOCATION AND DEPTH OF ALL UTILITIES INCLUDING ALL PRIVATE UTILITIES PRIOR TO COMMENCING WORK. CONTACT JULIE AT (800)-892-0123.
2. PLACE PLANTING SOIL IN SHRUB AND PERENNIAL PLANTING AREAS. SEE SPEC FOR PLANTING SOIL TYPE.
3. DAMAGE TO PROPERTY OR OTHER WORK RESULTING FROM THE LANDSCAPE WORK MUST BE REPAIRED AT NO COST TO THE OWNER.
4. PLACE DEPTH OF 6" TOP SOIL IN ALL LAWN AREAS AND 12" IN ALL PLANTING BEDS.

**MAINTENANCE:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF ALL PLANT AND SCREENING MATERIAL FOR THE DURATION OF THE PROJECT.
2. ALL LANDSCAPE MATERIAL, MAINTENANCE, AND MANAGEMENT SHALL CONFORM TO THE MINIMUM STANDARDS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 STANDARDS FOR TREE CARE OPERATIONS.

**SOIL COMPACTION AND AMENDMENTS:**

1. CONTRACTOR TO DE-COMPACT SOILS IN LANDSCAPE BEDS AND SEEDING AREAS BY ROTO-TILLING, DISKING OR RIPPING TO A DEPTH OF 18". DE-COMPACTION OF SMALL PLANTER BEDS MAY REQUIRE REMOVAL OF COMPACTED SOIL TO A DEPTH OF 18" OR MORE AND RE-INSTALLED LOOSELY WITH REQUIRED AMENDMENTS. REMOVE DEBRIS OVER 2" IN SIZE FROM THE SOIL. DO NOT PERFORM DE-COMPACTION IN THE AQUATIC PLANTING SHELVES.
2. WHEN PERFORMING SOIL DE-COMPACTION INCORPORATE MULTIPLE PASSES ACROSS THE PLANTING AREA. DO NOT DISTURB THE TURF AREA AT PERIMETER TO REMAIN. WHEN USING DISC OR RIPPING EQUIPMENT, IT IS REQUIRED THAT THE FINAL PASSES OVER THE AREA BE MADE WITH A ROTO-TILLER TO BREAK UP ANY LARGE CLUMPS TO MAKE FINAL GRADING EASIER.
3. AFTER INITIAL SOIL DE-COMPACTION PROCEDURES ARE PERFORMED, SOIL AMENDMENTS SHALL BE ADDED. SOIL AMENDMENT MAY INCLUDE INORGANIC MATERIAL SUCH AS SAND, SILT OR CLAY, WHICH HELP IMPROVE SOIL TEXTURE. ORGANIC MATERIAL SUCH AS COMPOST, MANURE, AND PEAT MOSS MAY ALSO BE USED AND HELP IMPROVE SOIL STRUCTURE. OTHER AMENDMENTS SUCH AS FERTILIZER IMPROVE NUTRIENT CONTENT AND SULFUR ADJUSTS THE SOIL PH LEVEL. SULFUR SHALL BE INCORPORATED AT THE RATE OF ONE POUND OF SULFUR PER 100 SQUARE FEET. PRODUCTS SUCH AS COTTON BURR COMPOST IS RECOMMENDED.
4. ALL AMENDMENTS SHALL BE MIXED THOROUGHLY WITH EXISTING SOIL. THE PARK DISTRICT MAY PERFORM RANDOM SOIL TEST TO ENSURE PROPER SOIL CONDITIONS PRIOR TO PLANTING.

**SUMMARY OF WORK:**

Drawings	Work Categories
G0.02 - C2.05; and L8.01	Site Preparation: <ul style="list-style-type: none"> <li>• Mobilization of Construction Support Facilities</li> <li>• Protection of Existing Utilities &amp; Park Features</li> <li>• Tree Protection</li> <li>• Soil Erosion &amp; Sediment Control Measures</li> <li>• Clearing, Grubbing, &amp; Disposal</li> <li>• Removal, Disposal, &amp; Replacement of Existing Fencing</li> </ul>
C3.01 - C8.02; and L8.01	Shoreline Restoration: <ul style="list-style-type: none"> <li>• Earthwork &amp; Final Site Grading</li> <li>• Locations of Rip Rap, Sheet Pile Wall, Fishing Access Nodes, Fishing Plaza, &amp; Backfill Material</li> <li>• Locations of Hardscape Improvements &amp; associated materials</li> <li>• Removal of Temporary Utilities &amp; Demobilization</li> </ul>
L1.01 - L1.08	Site Restoration & Landscaping (To Be Performed Under Separate Contract): <ul style="list-style-type: none"> <li>• Supply, Delivery, Handling, Construction, &amp; Installation of Landscaping Materials</li> </ul>



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DES PLAINES PARK DISTRICT  
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DRAWN KG, SW

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APPROVED TN

PROJ. NO. 1742420083

SHEET NUMBER

G0.02

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## LEGAL / BOUNDARY LEGEND

EXISTING	DESCRIPTION	PROPOSED
	PROPERTY BOUNDARY	

## SITE / MISC. LEGEND

EXISTING	DESCRIPTION	PROPOSED
	CHAIN LINK FENCE LINE	
	GUARD RAIL	
	SHEET PILE WALL	
	BUILDING	
	NWL	
	CONSTRUCTION STAGING	
	LIMESTONE FISHING OUTCROP	
	LIMESTONE WALL	
	SIGN	
	UTILITY POLE	
	GUY WIRE ANCHOR	
	LIGHT POLE	
	POST LIGHT/GROUND LIGHT	
	BENCH	
	SOIL BORING	
	MAILBOX	
	HAND HOLE (ELECTRIC/TRAFFIC)	
	FLAG POLE	

## GRADING / TOPOGRAPHY LEGEND

EXISTING	DESCRIPTION	PROPOSED
	MINOR CONTOUR	
	MAJOR CONTOUR	
	GRADING LIMITS	
	CONSTRUCTION LIMITS	
	SPOT ELEVATION	
	SURFACE GRADE & FLOW DIRECTION	
	SURFACE SLOPE (H:V) & FLOW DIRECTION	

## PAVEMENT LEGEND

EXISTING	DESCRIPTION	PROPOSED
	EDGE OF PAVEMENT / GRAVEL	
	ROAD CENTERLINE	
	CURB AND GUTTER	
	CONCRETE PAVEMENT	
	BITUMINOUS PAVEMENT	
	BONDED LIMESTONE AGGREGATE SURFACING	
	BRICK	

## REMOVALS LEGEND

DESCRIPTION	PROPOSED
CLEAR AND GRUB AREA	
REMOVE TREE/SHRUB/STUMP	
REMOVE CURB AND GUTTER	
REMOVE CONCRETE PAVEMENT	
REMOVE BITUMINOUS PAVEMENT	
RUBBLIZE EXISTING SLURRY MIX	
PROTECT IN PLACE	

## UTILITY LEGEND

EXISTING	DESCRIPTION	PROPOSED
	STORM SEWER	
	SANITARY SEWER	
	FORCEMAIN	
	WATERMAIN	
	UNDERGROUND GAS LINE	
	UNDERGROUND TELECOMMUNICATION LINE	
	UNDERGROUND FIBER OPTIC LINE	
	UNDERGROUND ELECTRIC LINE	
	OVERHEAD UTILITY LINE	
	CLOSED MANHOLE	
	OPEN GRATE MANHOLE	
	BEEHIVE GRATE MANHOLE	
	GUTTER FRAME MANHOLE	
	FLARED END SECTION	
	HYDRANT	
	VALVE VAULT	
	B-BOX / SERVICE VALVE	
	MONITOR WELL	
	UTILITY MARKINGS (TEL, WATER, GAS)	
	UTILITY MARKINGS (CABLE, ELEC, FIBER)	
	GAS VALVE	
	GAS METER	
	TELEPHONE MANHOLE	
	PEDESTAL (TEL, ELEC, CABLE)	
	ELECTRIC METER	
	ELECTRIC MANHOLE	

## VEGETATION / LANDSCAPING LEGEND

EXISTING	DESCRIPTION	PROPOSED (NIC)
	TREE LINE	
	STUMP	
	SHRUB/SHRUB LINE	
	DECIDUOUS TREE	
	CONIFEROUS TREE	
	LOW GROWING SHRUB/PERENNIAL MASSINGS	
	AQUATIC PLANTING SHELF	
	TURF SEED MIX	
	PRAIRIE BUFFER SEED MIX	

## EROSION CONTROL LEGEND

DESCRIPTION	PROPOSED
ROCK CONSTRUCTION EXIT	
EROSION CONTROL BLANKET	
TURF REINFORCEMENT MAT	
SEED	
SOD	
RIPRAP	
SEDIMENT FOREBAY	
SILT FENCE	
FLOTATION SILT CURTAIN	
STRAW WATTLE	
INLET PROTECTION	
HAY BALES	
CULVERT PROTECTION	
TREE PROTECTION	
TEMPORARY DIVERSION DITCH	
TEMPORARY SEDIMENT TRAP DISCHARGE	

## ABBREVIATIONS

BV	BUTTERFLY VALVE	OC	ON CENTER
BW	BOTTOM OF WALL (AT GRADE)	OCS	OUTLET CONTROL STRUCTURE
BVC	BEGIN VERTICAL CURVE	MAX	MAXIMUM
BOT	BOTTOM	MH	MANHOLE
CB	CATCH BASIN	ME	MATCH EXISTING
CBMH	CATCH BASIN MANHOLE	MIN	MINIMUM
CO	CLEANOUT	NWL	NORMAL WATER LEVEL
CF	CUBIC FEET	OFF	OFFSET
CFS	CUBIC FEET PER SECOND	PC	POINT OF CURVATURE
CL	CENTERLINE	PI	POINT OF INTERSECTION
CL	CLASS	PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	PR	PROPOSED
CY	CUBIC YARDS	PT	POINT OF TANGENCY
DIP	DUCTILE IRON PIPE	PVC	POLYVINYL CHLORIDE
EG	EXISTING GRADE	PVI	POINT OF VERTICAL INTERSECTION
EOF	EMERGENCY OVERFLOW	R	RADIUS
EL	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EP	EDGE OF PAVEMENT	RIM	STRUCTURE TOP OF CASTING/GRATE
EVC	END VERTICAL CURVE	ROW	RIGHT OF WAY
EX	EXISTING	SF	SQUARE FEET
F/F	FACE TO FACE	SS	SANITARY SEWER
FFE	FINISHED FLOOR ELEVATION	SSMH	SANITARY SEWER MANHOLE
FES	FLARED END SECTION	ST	STORM SEWER
FM	FORCEMAIN	STA	STATION
FNH	FRONT NOZZLE OF HYDRANT	STD	STANDARD
FG	FINISHED GRADE	STMH	STORM SEWER MANHOLE
FL	FLOW LINE	SW	SIDEWALK
GV	GATE VALVE	SY	SQUARE YARDS
GPM	GALLONS PER MINUTE	TC	TOP OF CURB
HDPE	HIGH-DENSITY POLYETHYLENE	TNH	TOP NUT OF HYDRANT
HP	HIGH POINT	TOE	TOE OF DITCH
HYD	HYDRANT	TOP	TOP OF DITCH
HWL	HIGH WATER LEVEL	TP	TOP OF PIPE
INV	INVERT	TW	TOP OF WALL
LF	LINEAL FEET	TYP	TYPICAL
LFE	LOW FLOOR ELEVATION	VCP	VITRIFIED CLAY PIPE
LP	LOW POINT	WM	WATERMAIN
LVC	LENGTH OF VERTICAL CURVE		

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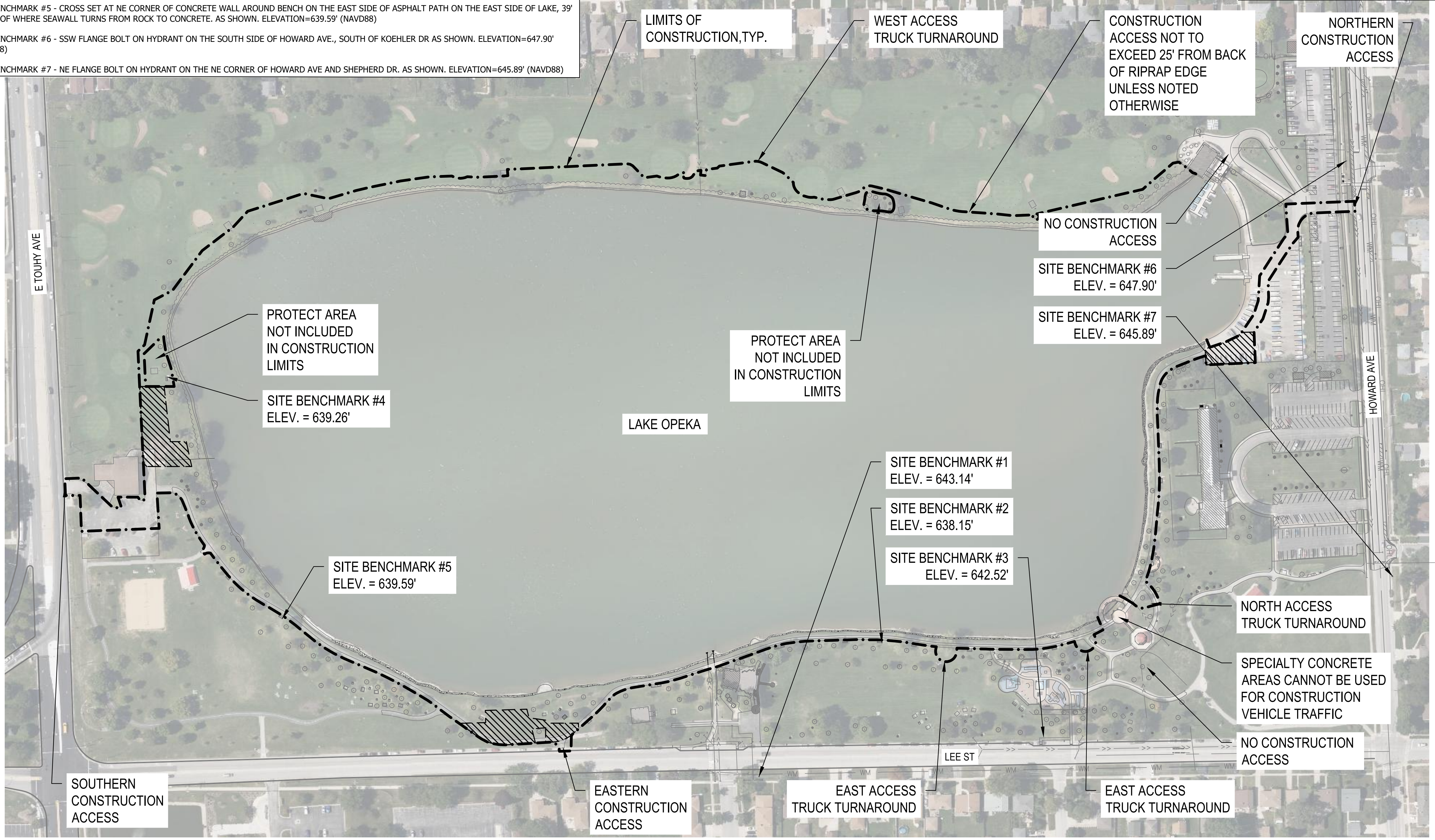
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**BENCHMARKS**  
 SITE BENCHMARK #1 - ARROW BOLT ON HYDRANT AT THE NE CORNER OF LEE ST. & FARGO AVE. ELEVATION=643.14' (NAVD88)  
 SITE BENCHMARK #2 - CROSS SET AT NE CORNER OF CONCRETE WALL AROUND BENCH ON THE EAST SIDE OF ASPHALT PATH ON THE EAST SIDE OF LAKE, 299' NORTH OF 1 STORY BRICK BUILDING & 217' SOUTH OF PLAYGROUND AS SHOWN. ELEVATION=638.15' (NAVD88)  
 SITE BENCHMARK #3 - CROSS SET ON ELEC. MANHOLE ON WEST SIDE OF LEE ST. ACROSS FROM HIGHLAND DR. ELEVATION=642.52' (NAVD88)  
 SITE BENCHMARK #4 - CROSS SET AT NE CORNER OF CONCRETE WALL AROUND BENCH ON THE SOUTH SIDE OF LAKE, 207' NW OF BUILDING OFF TOUHY AVE. AS SHOWN. ELEVATION=639.26' (NAVD88)  
 SITE BENCHMARK #5 - CROSS SET AT NE CORNER OF CONCRETE WALL AROUND BENCH ON THE EAST SIDE OF ASPHALT PATH ON THE EAST SIDE OF LAKE, 39' SOUTH OF WHERE SEAWALL TURNS FROM ROCK TO CONCRETE. AS SHOWN. ELEVATION=639.59' (NAVD88)  
 SITE BENCHMARK #6 - SSW FLANGE BOLT ON HYDRANT ON THE SOUTH SIDE OF HOWARD AVE., SOUTH OF KOEHLER DR AS SHOWN. ELEVATION=647.90' (NAVD88)  
 SITE BENCHMARK #7 - NE FLANGE BOLT ON HYDRANT ON THE NE CORNER OF HOWARD AVE AND SHEPHERD DR. AS SHOWN. ELEVATION=645.89' (NAVD88)

**LEGEND**

————— LIMITS OF CONSTRUCTION

▨▨▨▨▨ CONTRACTOR STAGING AREA



**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

**CONSTRUCTION STAGING**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

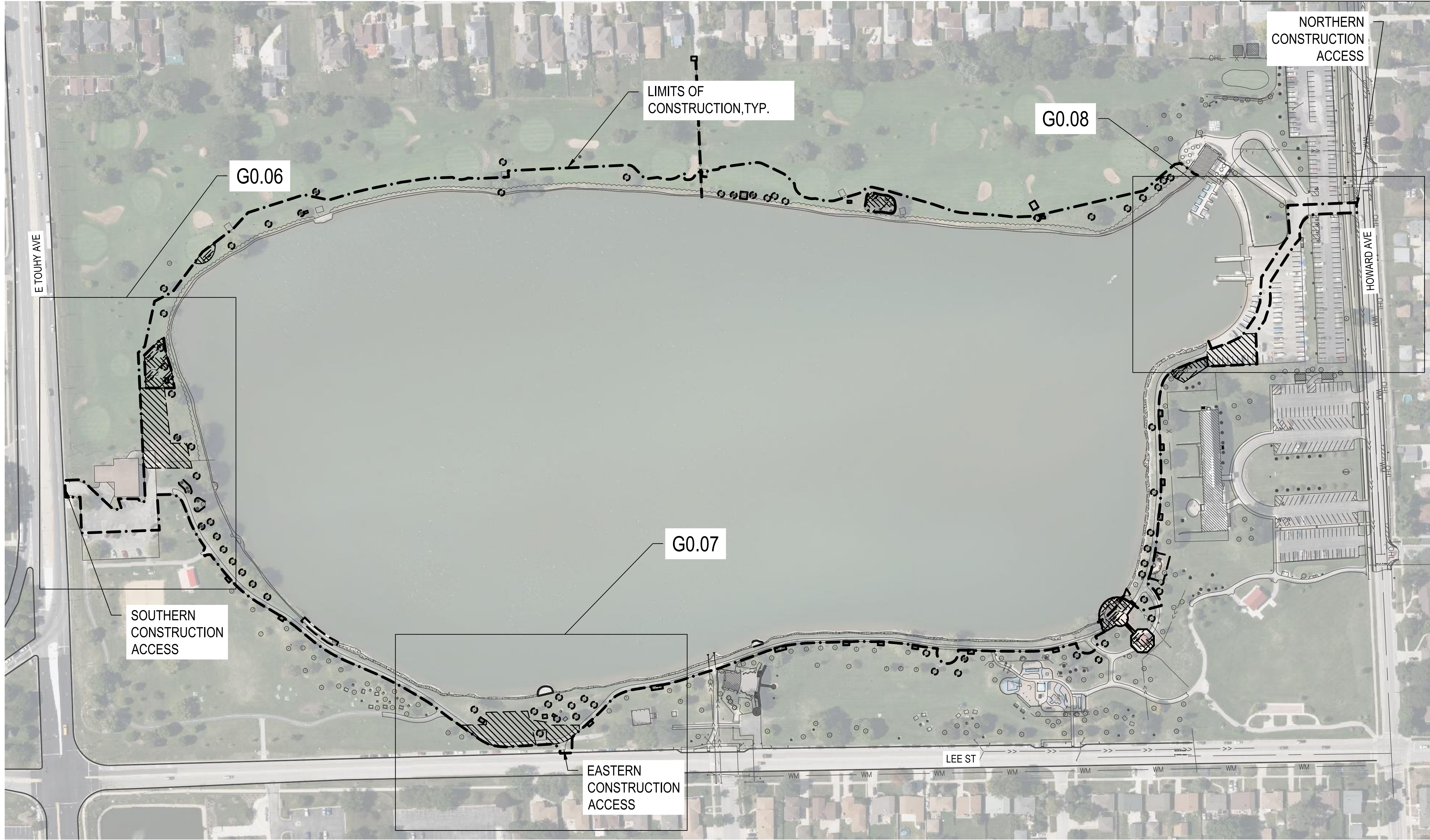
DATE OF ISSUANCE  
 January 8, 2024

NO	REVISION	DATE

SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

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**LEGEND**

- PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
- CONTRACTOR STAGING AREA
- LIMITS OF CONSTRUCTION

N

0    100'    200'

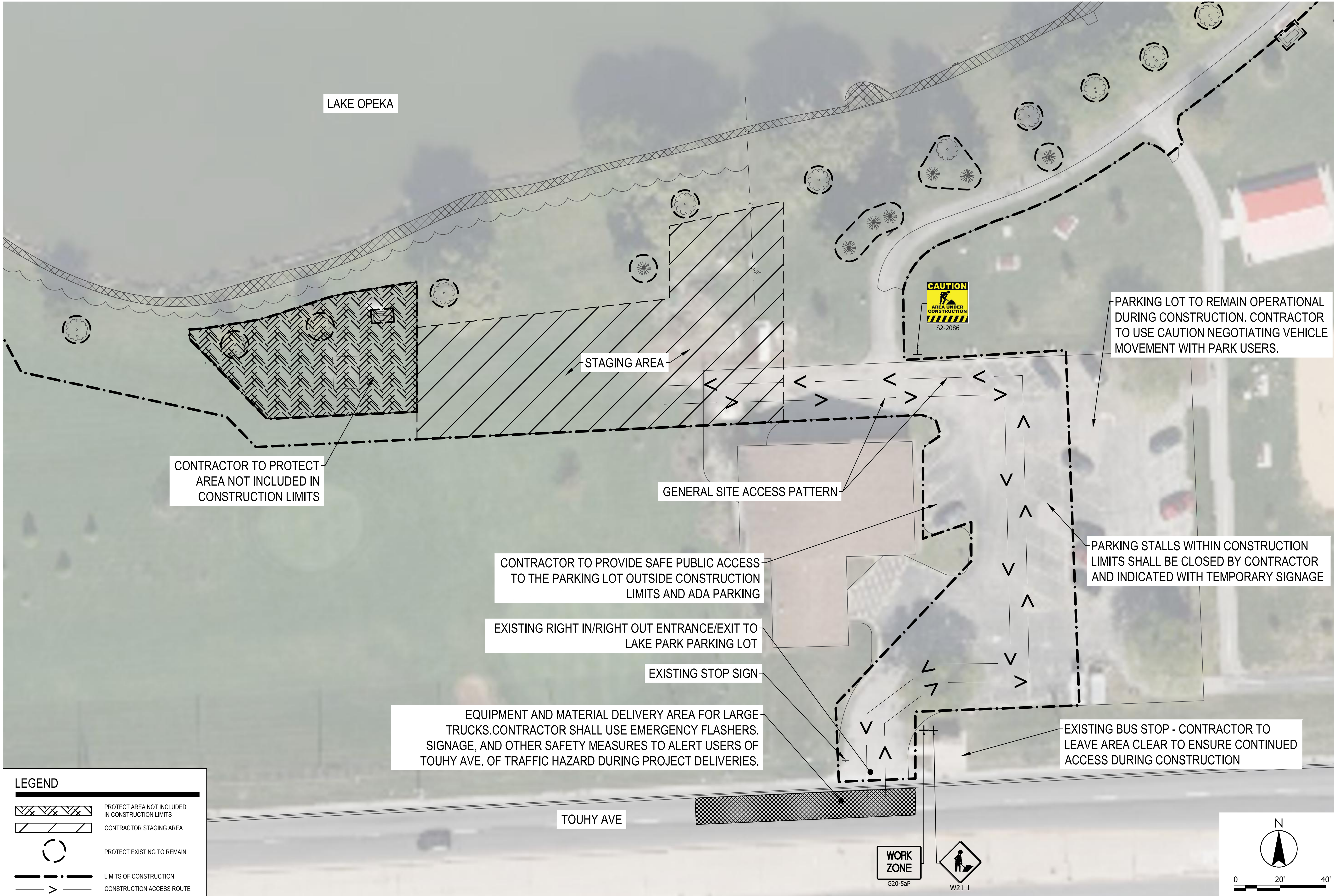
**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

**TRAFFIC CONTROL OVERALL PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO.	REVISION DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>G0.05</b>

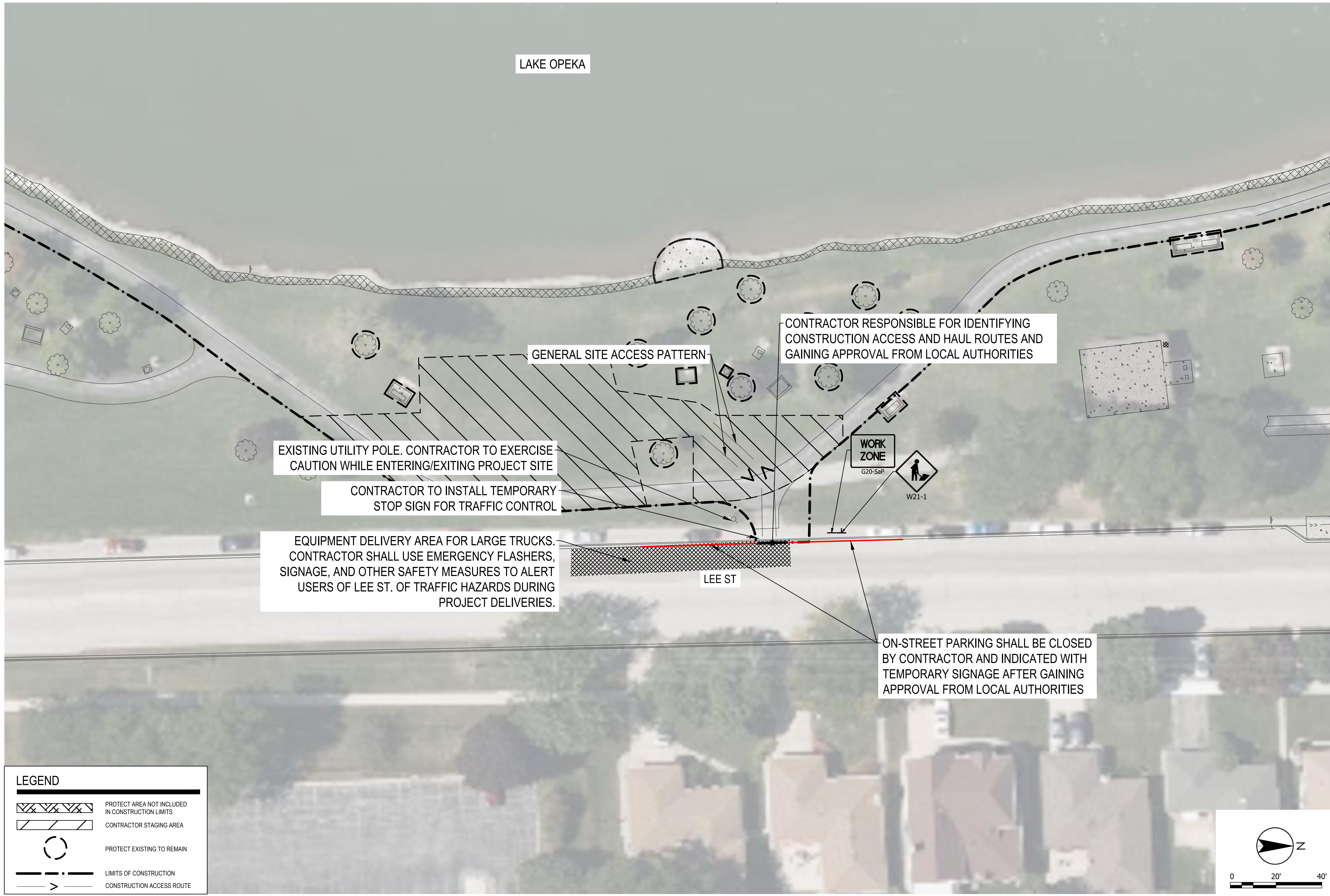
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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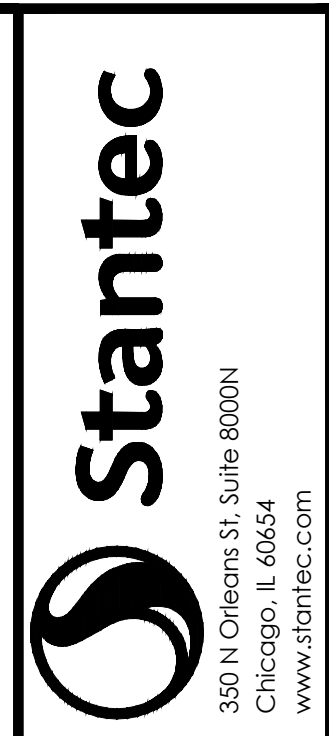
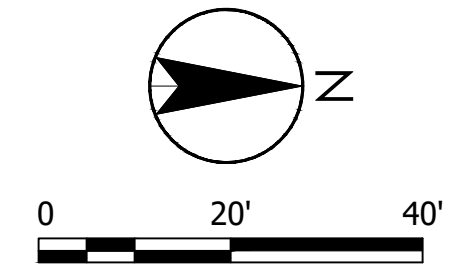


THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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LEGEND	
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	CONTRACTOR STAGING AREA
	PROTECT EXISTING TO REMAIN
	LIMITS OF CONSTRUCTION
	CONSTRUCTION ACCESS ROUTE



**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

**EASTERN CONSTRUCTION ACCESS PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024	
NO	REVISION	DATE
SURVEY	WT	
DRAWN	KG, SW	
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APPROVED	TN	
PROJ. NO.	173420083	

SHEET NUMBER  
**G0.07**

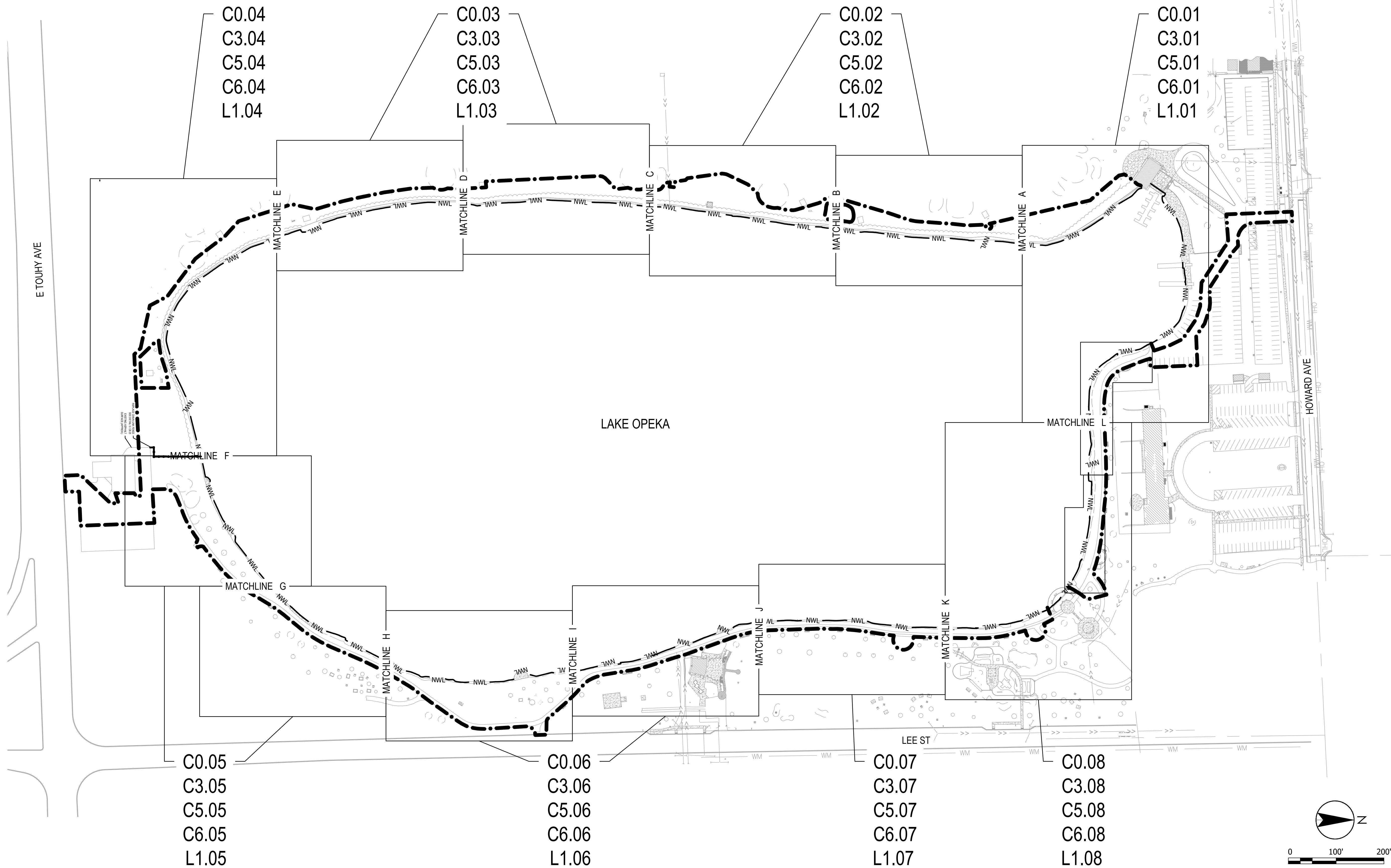




THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. STANTEC SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS MADE BY THE CONTRACTOR OR FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC'S FORFEITURE.

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C0.01 - C0.08	REMOVAL & PROTECTION PLAN
C3.01 - C3.08	GRADING PLAN
C5.01 - C5.08	SITE PLAN
C6.01 - C6.08	COORDINATE PLAN
L1.01 - L1.08	LANDSCAPE PLAN

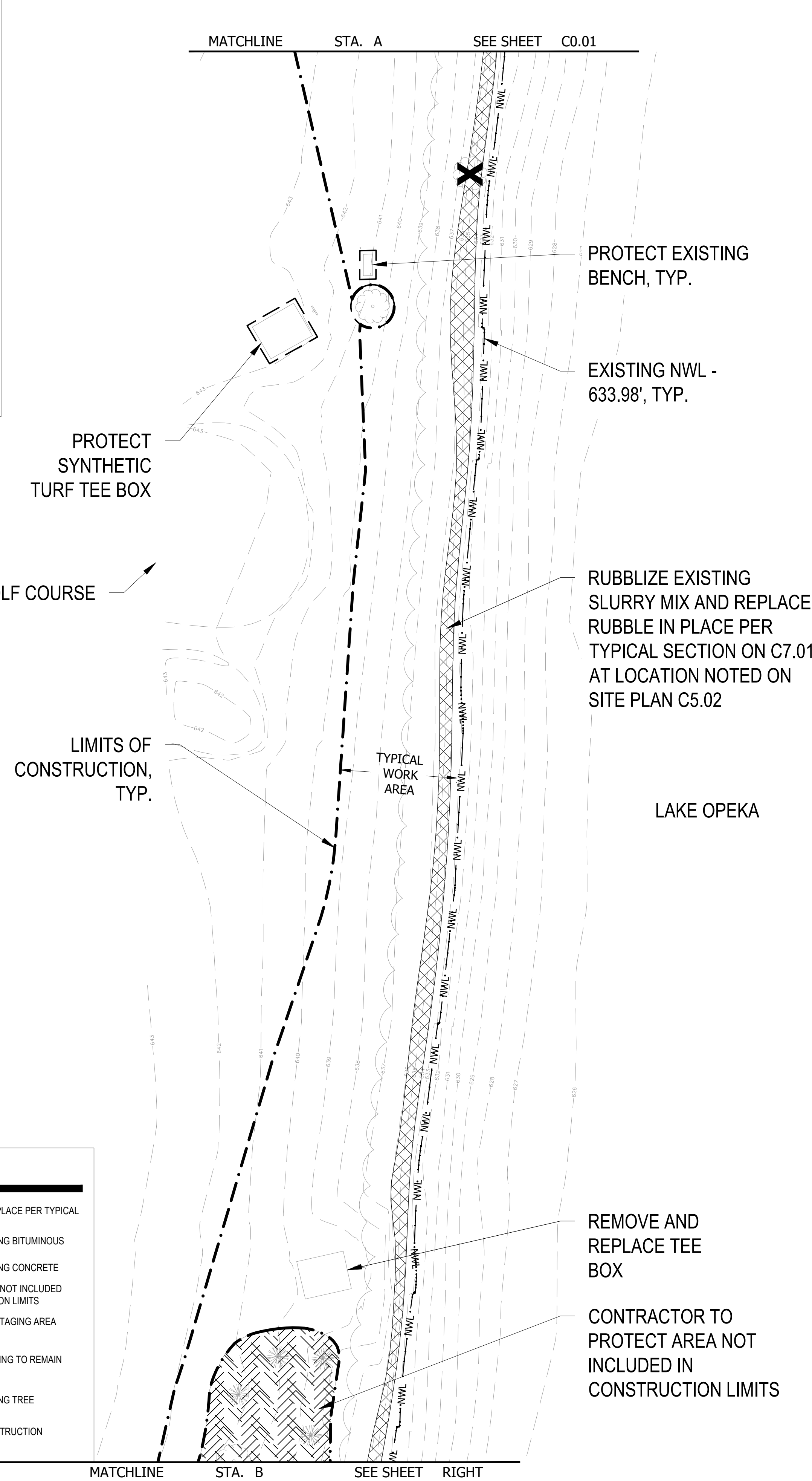
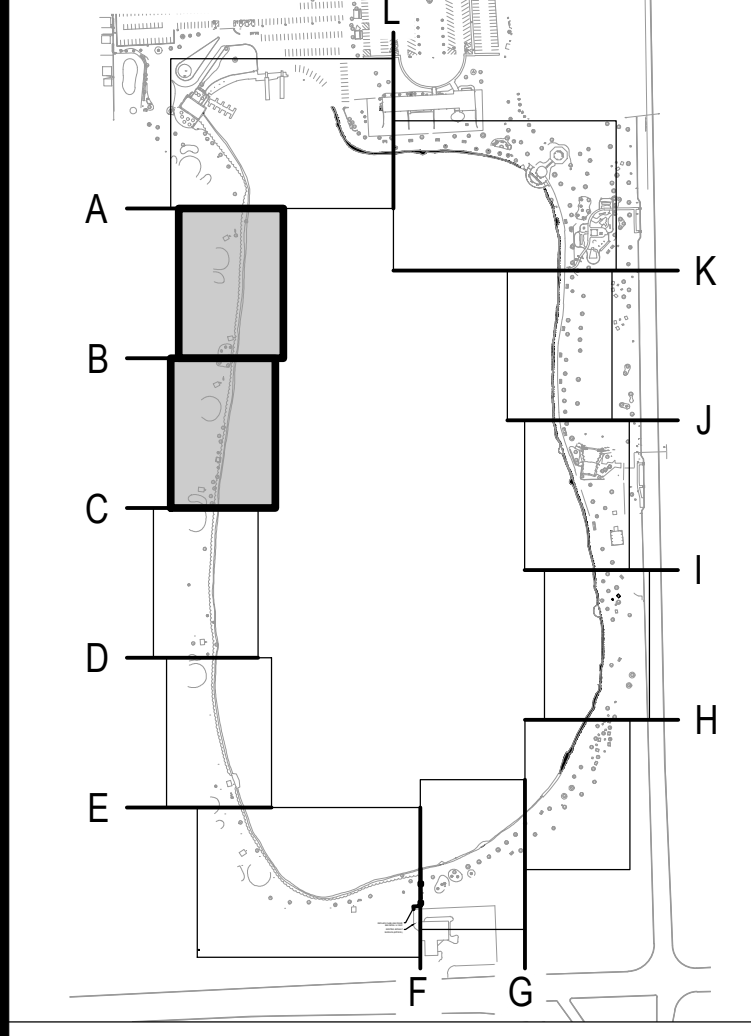




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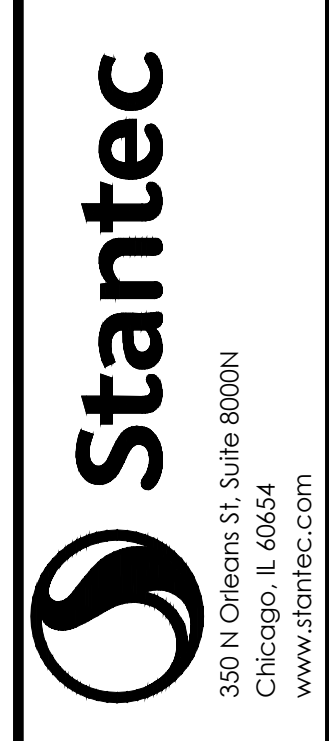
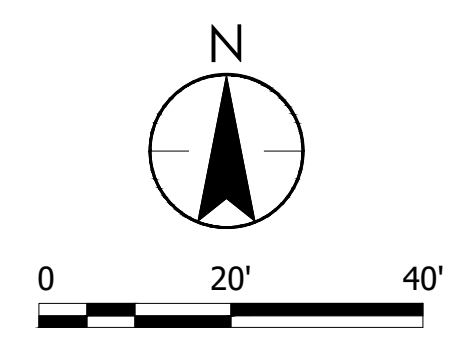
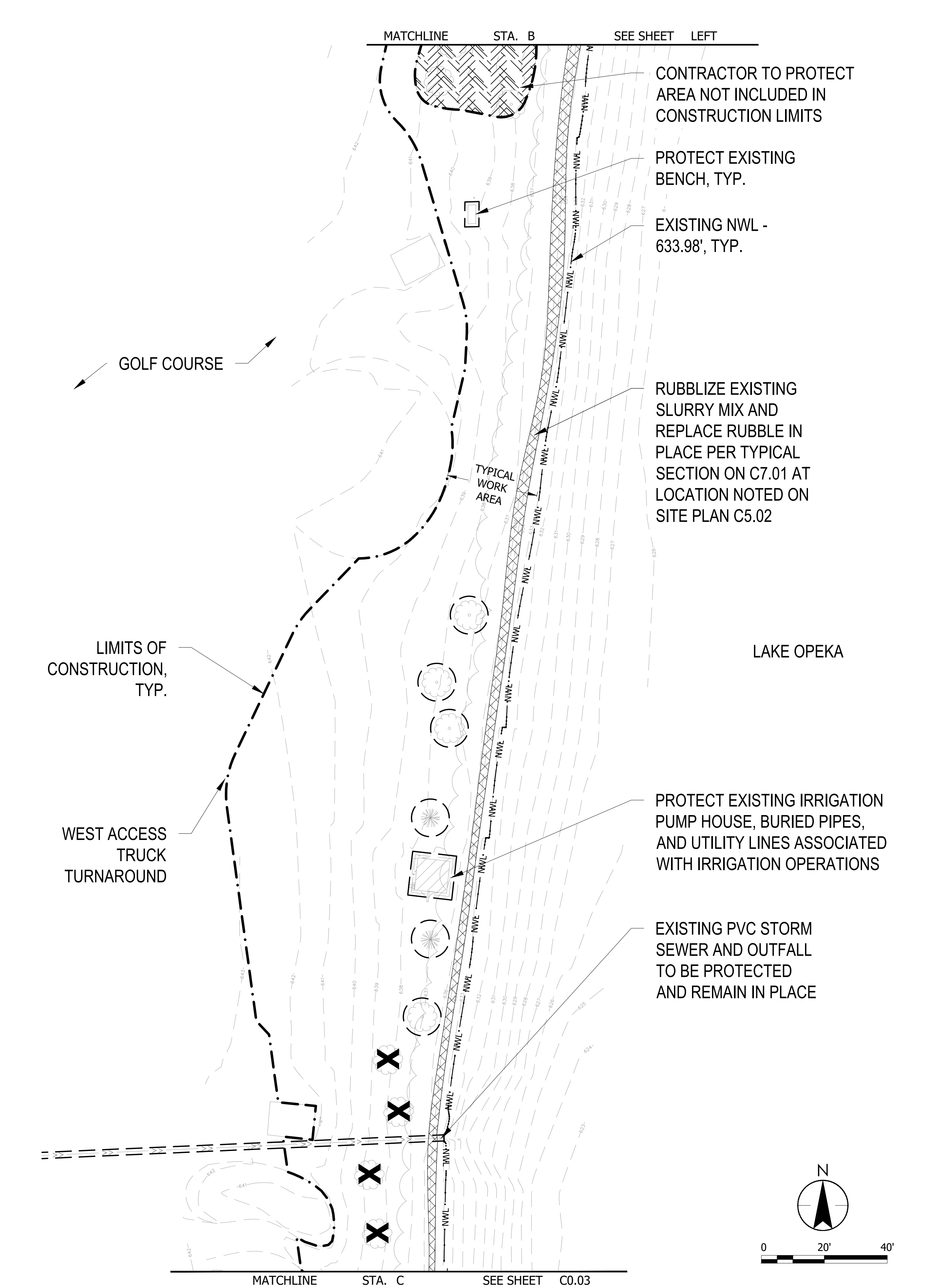
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**KEY MAP**



**LEGEND**

	RUBBLIZE AND PLACE PER TYPICAL SECTION
	REMOVE EXISTING BITUMINOUS
	REMOVE EXISTING CONCRETE
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	CONTRACTOR STAGING AREA
	PROTECT EXISTING TO REMAIN
	REMOVE EXISTING TREE
	LIMITS OF CONSTRUCTION
	EXISTING NWL



**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

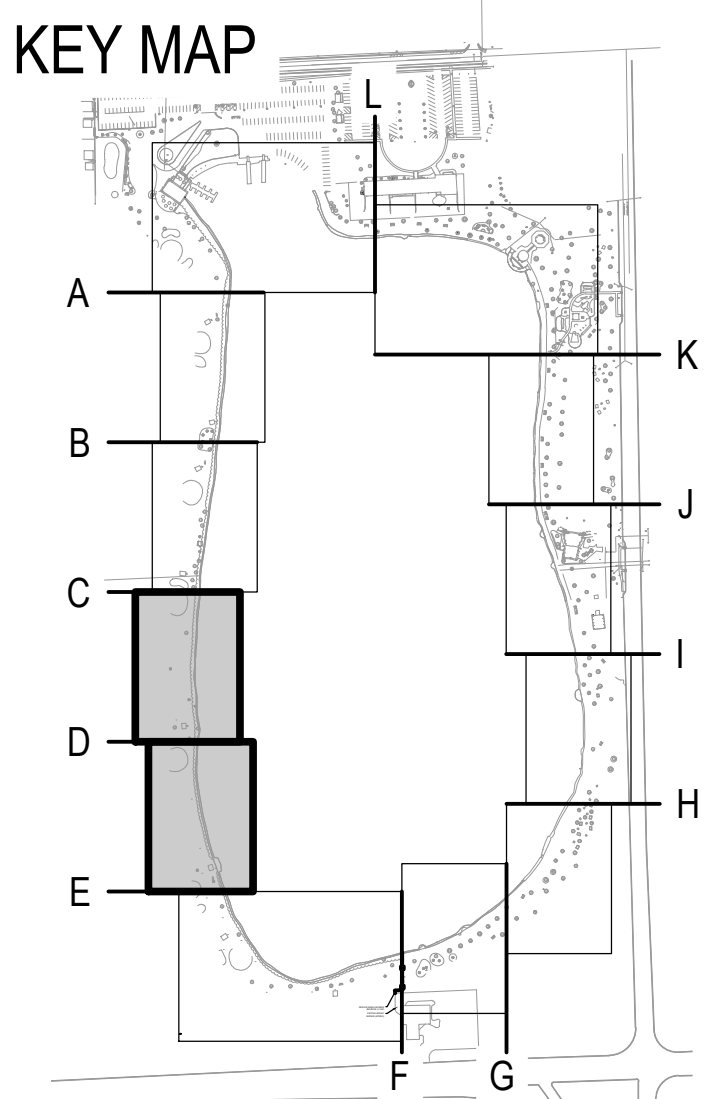
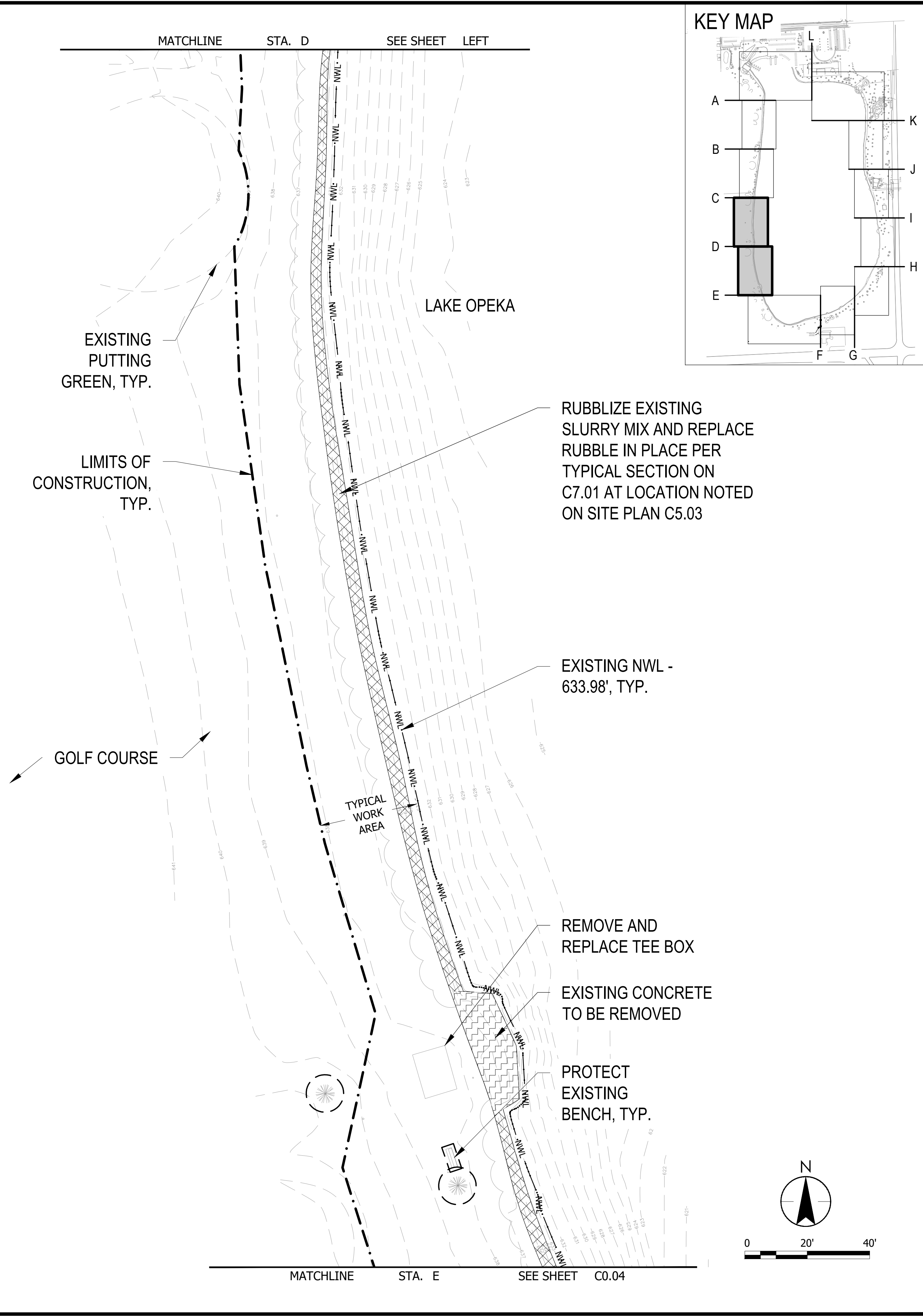
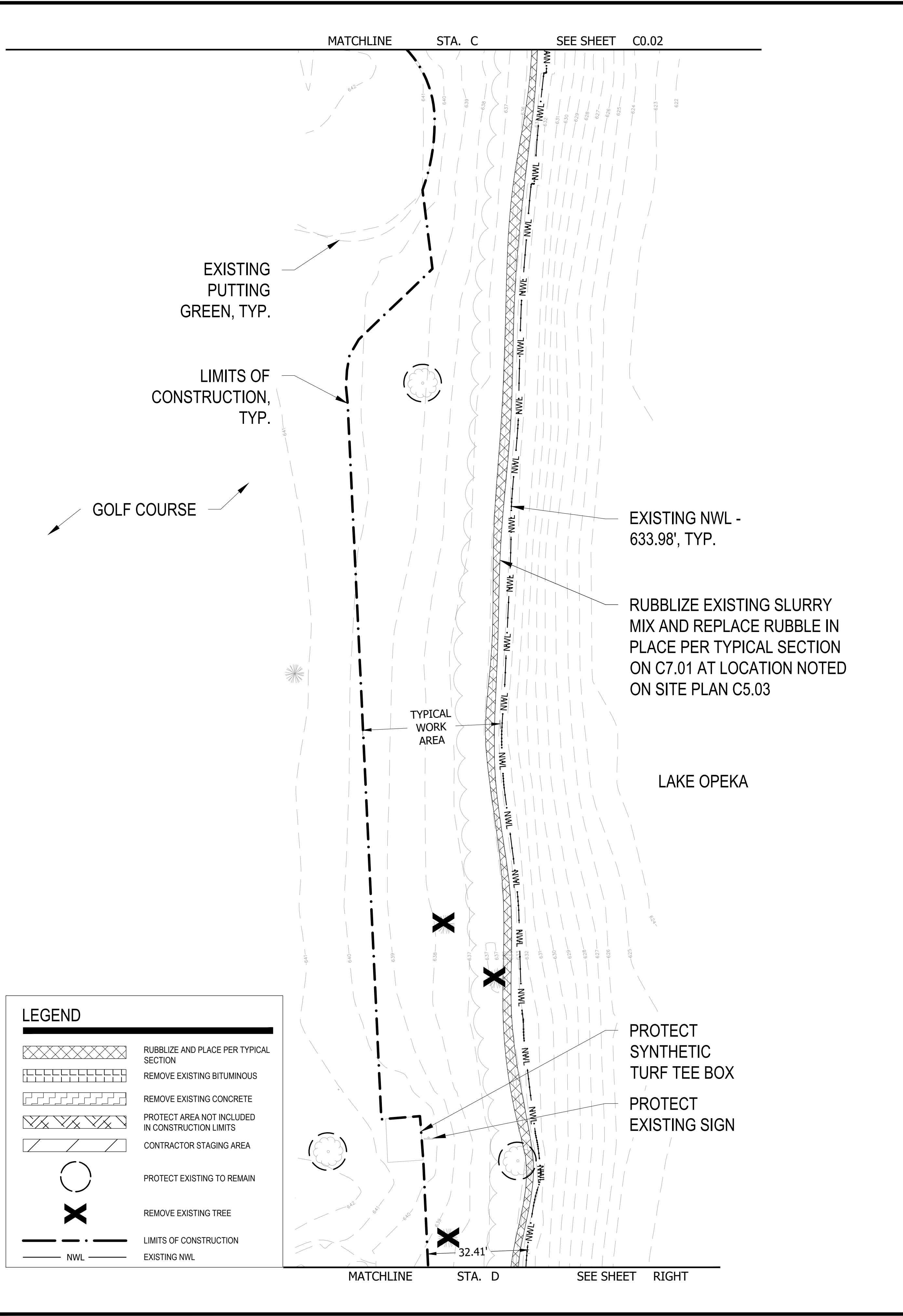
**REMOVAL & PROTECTION PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO/REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

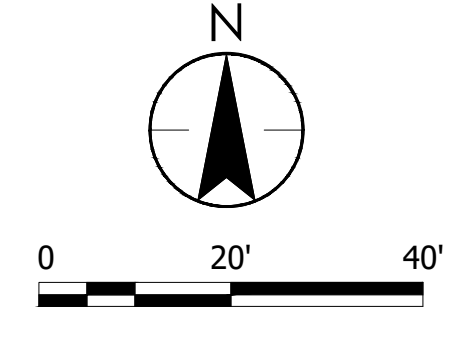
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**C0.02**

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LEGEND	
	RUBBLIZE AND PLACE PER TYPICAL SECTION
	REMOVE EXISTING BITUMINOUS
	REMOVE EXISTING CONCRETE
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	CONTRACTOR STAGING AREA
	PROTECT EXISTING TO REMAIN
	REMOVE EXISTING TREE
	LIMITS OF CONSTRUCTION
	EXISTING NWL



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ISSUED FOR  
CONSTRUCTION

SUBJECT TO ADDENDA

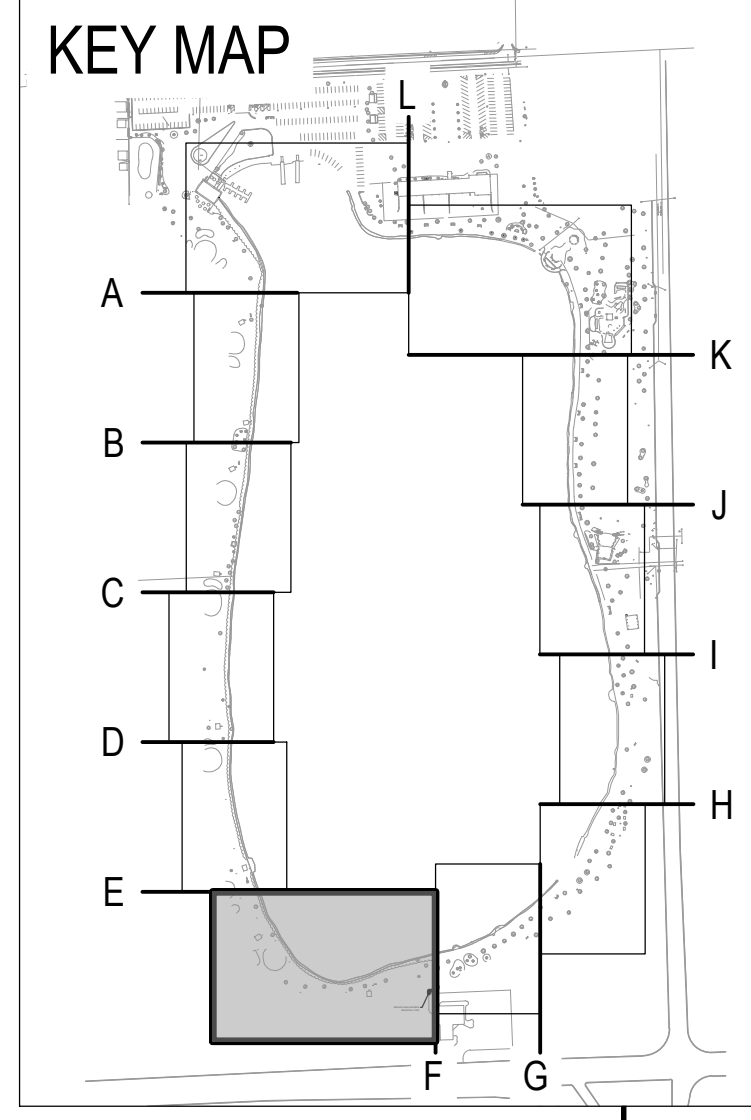
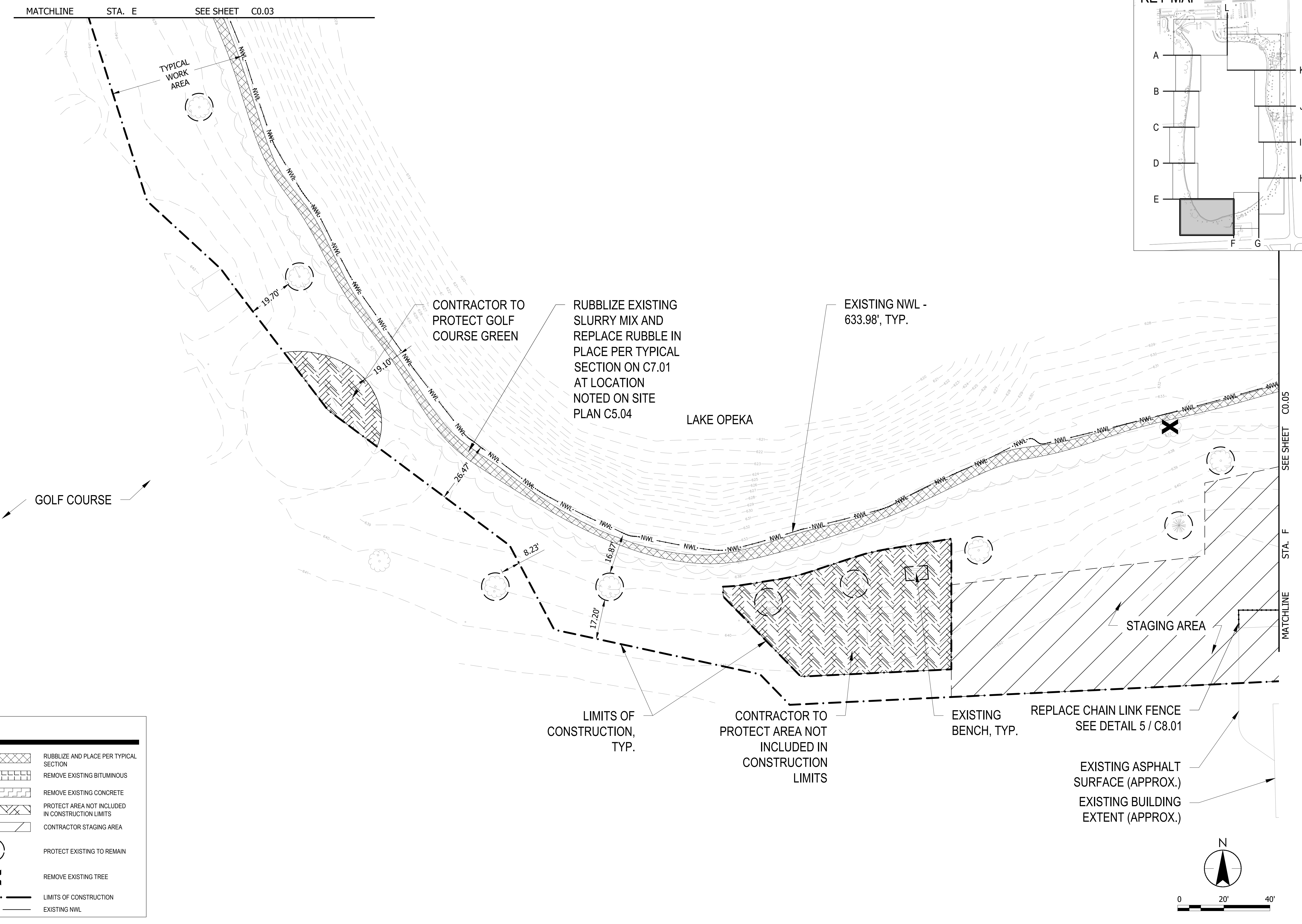
REMOVAL & PROTECTION PLAN

LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO. REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	C0.03

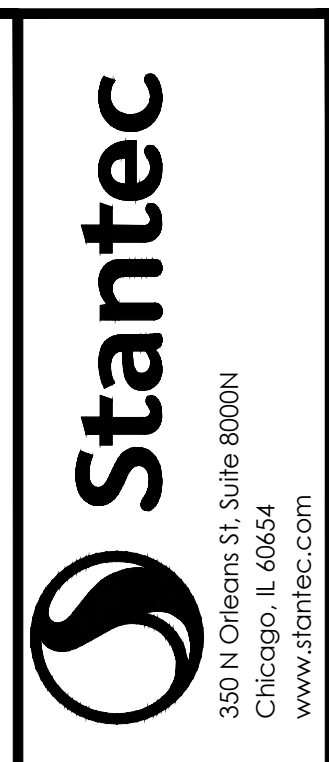
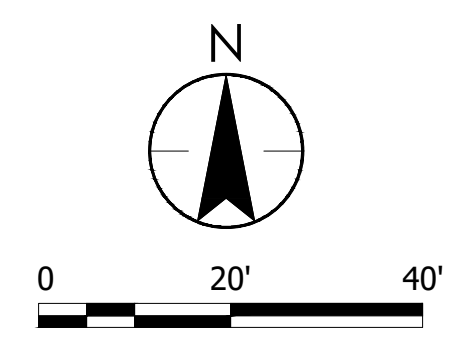
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**LEGEND**

	RUBBLIZE AND PLACE PER TYPICAL SECTION
	REMOVE EXISTING BITUMINOUS
	REMOVE EXISTING CONCRETE
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	CONTRACTOR STAGING AREA
	PROTECT EXISTING TO REMAIN
	REMOVE EXISTING TREE
	LIMITS OF CONSTRUCTION
	EXISTING NWL



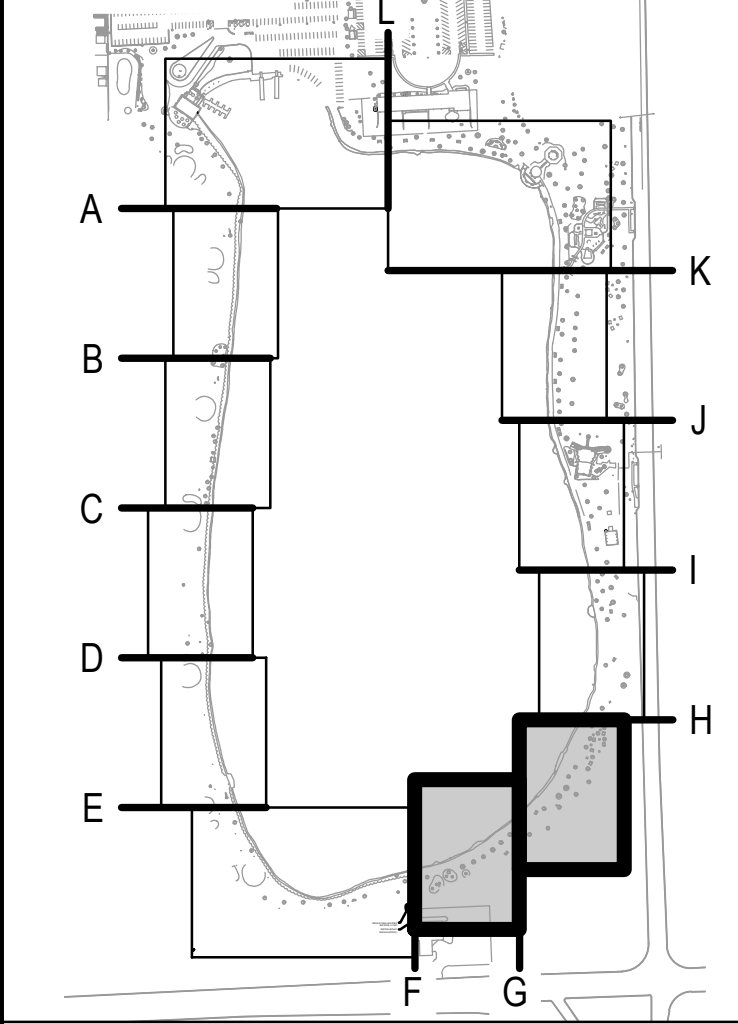
**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

**REMOVAL & PROTECTION PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO. / REVISION	DATE
SURVEY	WT
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APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>C0.04</b>

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### KEY MAP



EXISTING NWL - 633.98', TYP.

RUBBLIZE EXISTING SLURRY MIX AND REPLACE RUBBLE IN PLACE PER TYPICAL SECTION ON C7.02 AT LOCATION NOTED ON SITE PLAN C5.05

SEE SHEET C0.04

STA. F

CHAIN LINK FENCE TO BE REMOVED & REPLACED

STAGING AREA

CONSTRUCTION ACCESS ROUTE

LAKE OPEKA

SEE SHEET RIGHT

MATCHLINE

STA. G

LIMITS OF CONSTRUCTION, TYP.

EXISTING BENCH, TYP.

TYPICAL WORK AREA

EXISTING TRAIL TO BE REPLACED

RUBBLIZE EXISTING SLURRY MIX AND REPLACE RUBBLE IN PLACE PER TYPICAL SECTION ON C7.02 AT LOCATION NOTED ON SITE PLAN C5.05

LAKE OPEKA

EXISTING NWL - 633.98', TYP.

PROTECT EXISTING HARDENED EDGE TO REMAIN

SEE SHEET LEFT

STA. G

MATCHLINE

MATCHLINE STA. H

SEE SHEET C0.06

EXISTING GRILL, TYP.


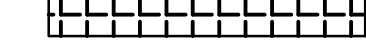

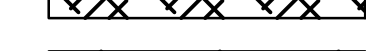

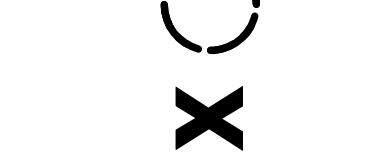



EXISTING PICNIC TABLE, TYP.

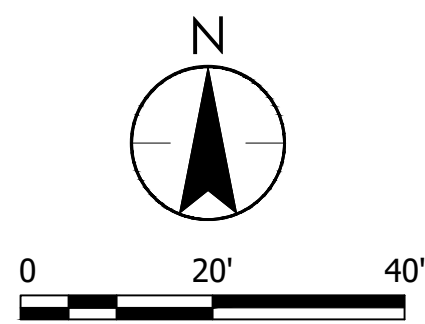
EXISTING TRASH CAN, TYP.

EXISTING CONCRETE WALL TO REMAIN

LIMITS OF CONSTRUCTION, TYP.

### LEGEND

-  RUBBLIZE AND PLACE PER TYPICAL SECTION
-  REMOVE EXISTING BITUMINOUS
-  REMOVE EXISTING CONCRETE
-  PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
-  CONTRACTOR STAGING AREA
-  PROTECT EXISTING TO REMAIN
-  REMOVE EXISTING TREE
-  LIMITS OF CONSTRUCTION
-  EXISTING NWL

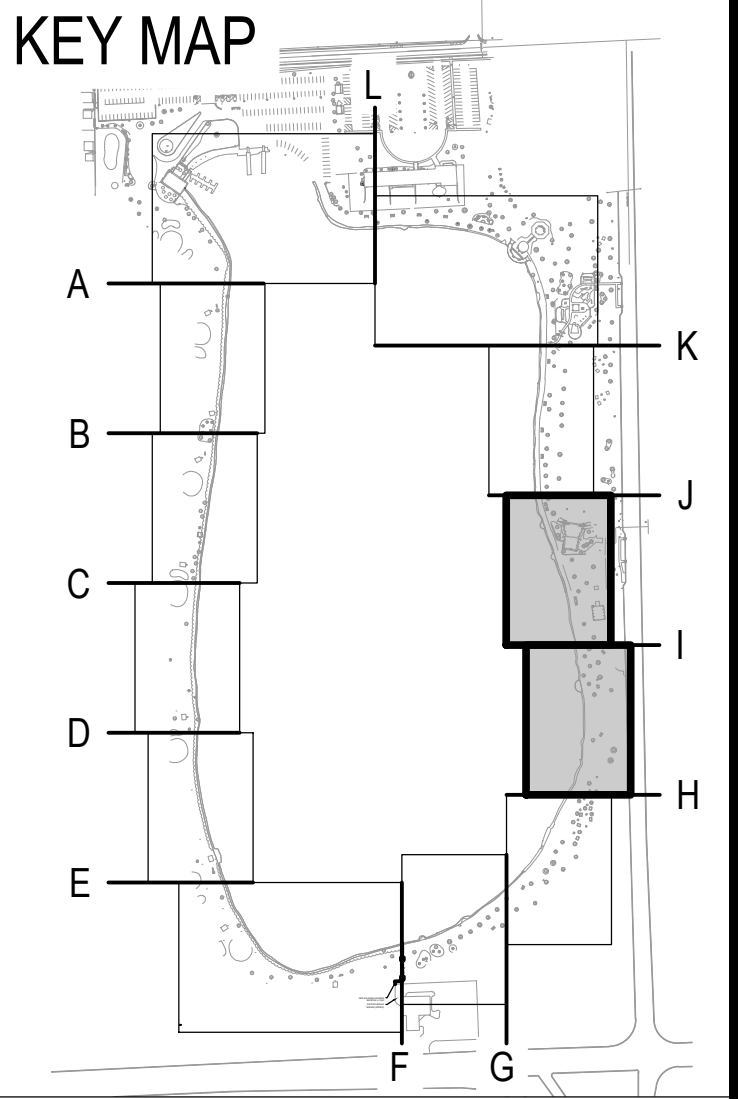
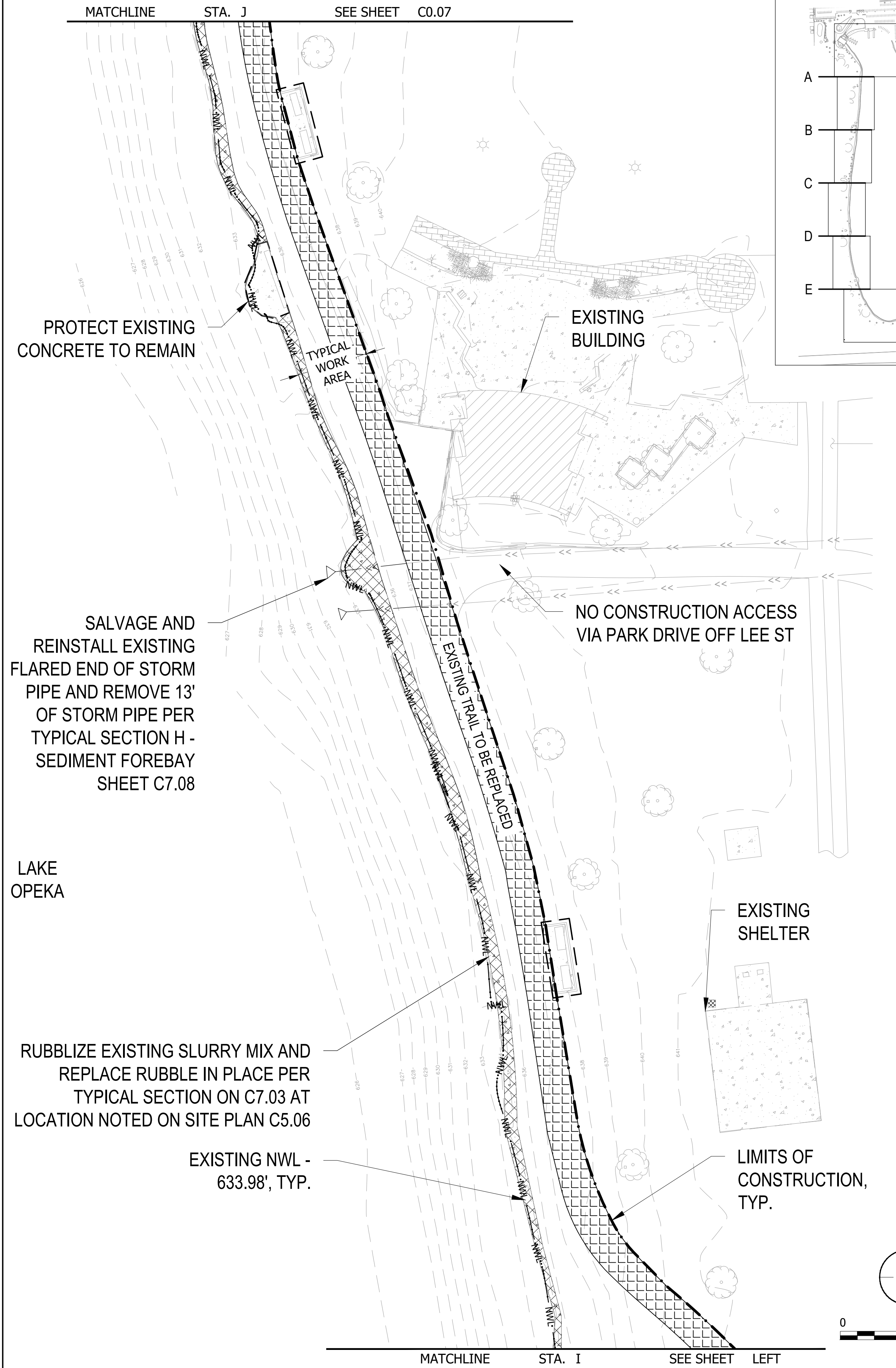
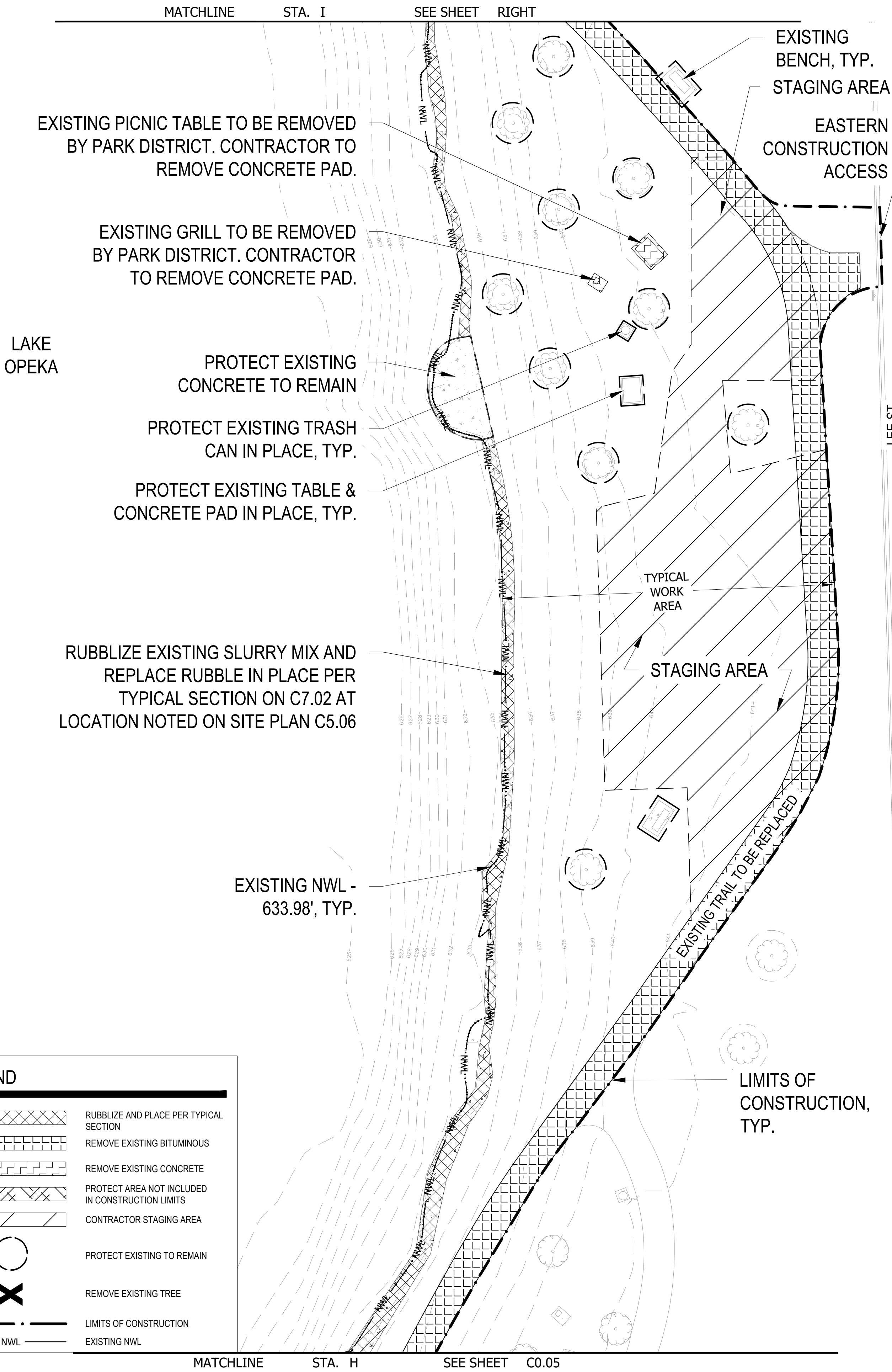


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NO.	REVISION	DATE

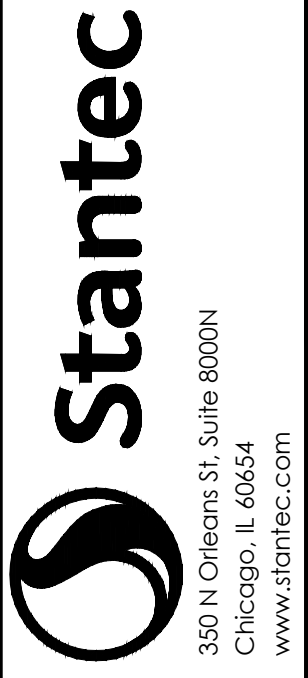
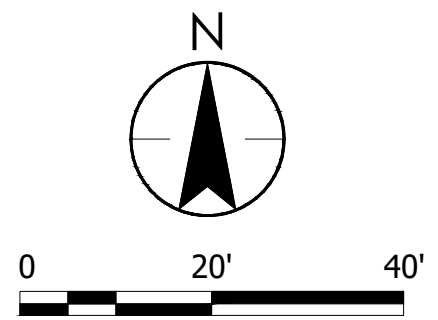
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Plot Date: 01/03/2024 - 4:51 pm  
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**LEGEND**

[Cross-hatch pattern]	RUBBLIZE AND PLACE PER TYPICAL SECTION
[Stippled pattern]	REMOVE EXISTING BITUMINOUS
[Diagonal lines]	REMOVE EXISTING CONCRETE
[Dotted pattern]	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
[Diagonal lines]	CONTRACTOR STAGING AREA
[Circle]	PROTECT EXISTING TO REMAIN
[X]	REMOVE EXISTING TREE
[Dashed line]	LIMITS OF CONSTRUCTION
[Solid line]	EXISTING NWL



ISSUED FOR CONSTRUCTION SUBJECT TO ADDENDA

REMOVAL & PROTECTION PLAN  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

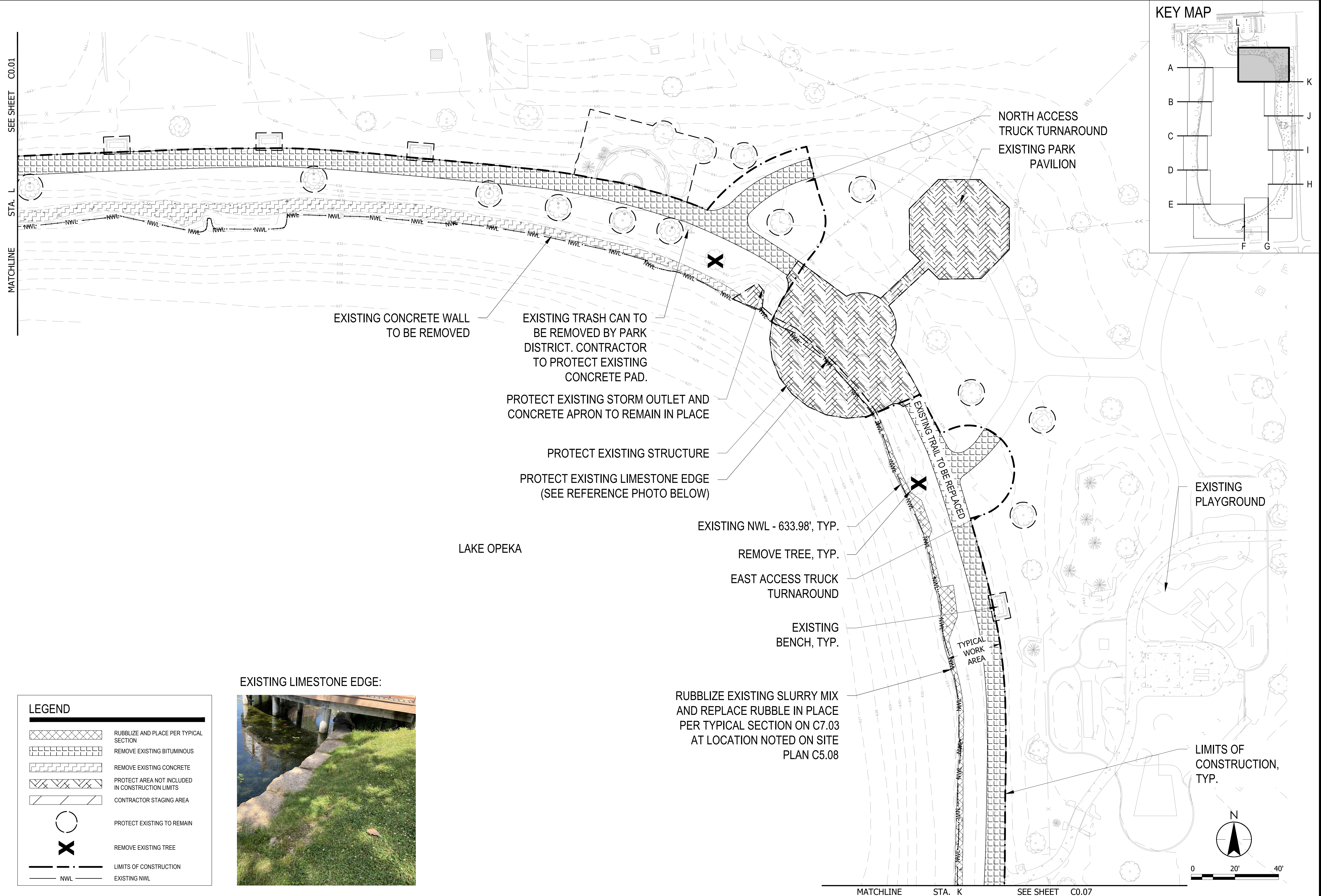
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EXISTING LIMESTONE EDGE:



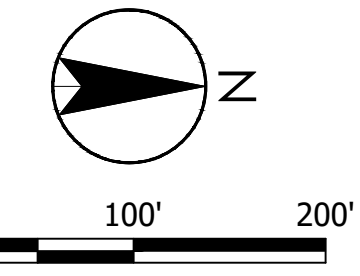
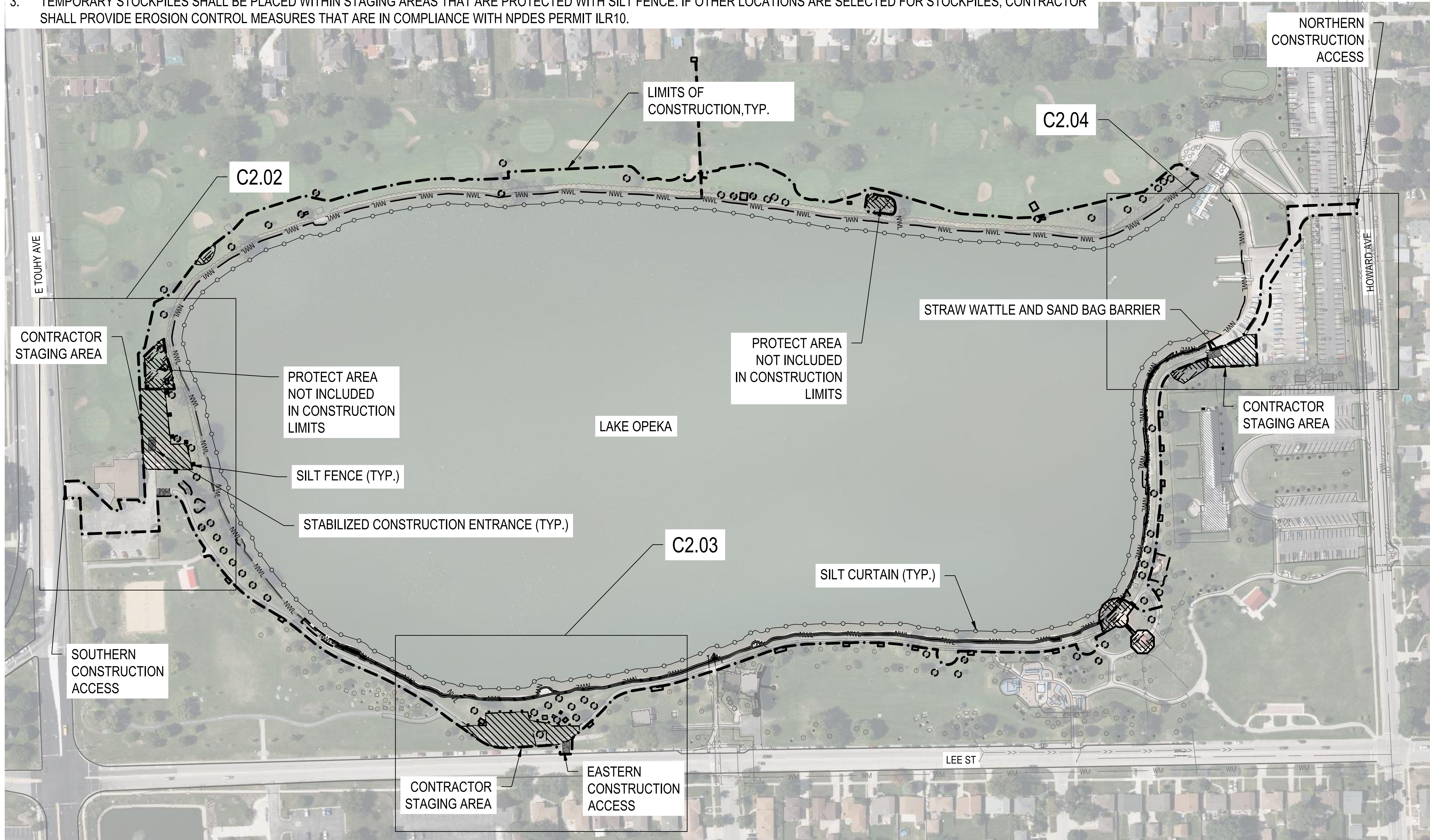
LEGEND	
	RUBBLIZE AND PLACE PER TYPICAL SECTION
	REMOVE EXISTING BITUMINOUS
	REMOVE EXISTING CONCRETE
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	CONTRACTOR STAGING AREA
	PROTECT EXISTING TO REMAIN
	REMOVE EXISTING TREE
	LIMITS OF CONSTRUCTION
	EXISTING NWL

DATE OF ISSUANCE	January 8, 2024
NO. REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	C0.08

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

**NOTES:**

1. STRETCHES OF SHORELINE THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE PROTECTED WITH NEAR SHORE FLOATING SILT CURTAINS UNTIL STABILIZED. SEE DETAIL 4 AND 5 ON SHEET C2.05. FLOATING SILT CURTAIN SHALL BE INSTALLED BEFORE CONSTRUCTION ACTIVITIES BEGIN. EXTENTS OF FLOATING SILT CURTAIN CAN BE LIMITED TO EXTENTS OF THE ACTIVE CONSTRUCTION AREA(S). CONTRACTOR TO MAINTAIN SILT CURTAIN AND REMOVE AFTER THE COMPLETION OF FINAL GRADING AND TRAIL REPLACEMENT.
2. EROSION CONTROL BLANKETS SHALL BE USED ON SLOPES UP TO 1.5H:1V. EROSION CONTROL BLANKET SHALL BE PLACED ON EXPOSED SOIL AREAS IF LANDSCAPE WINDOW IS MORE THAN SEVEN DAYS AFTER COMPLETION OF FINAL GRADING.
3. TEMPORARY STOCKPILES SHALL BE PLACED WITHIN STAGING AREAS THAT ARE PROTECTED WITH SILT FENCE. IF OTHER LOCATIONS ARE SELECTED FOR STOCKPILES, CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES THAT ARE IN COMPLIANCE WITH NPDES PERMIT ILR10.



DATE OF ISSUANCE	January 8, 2024
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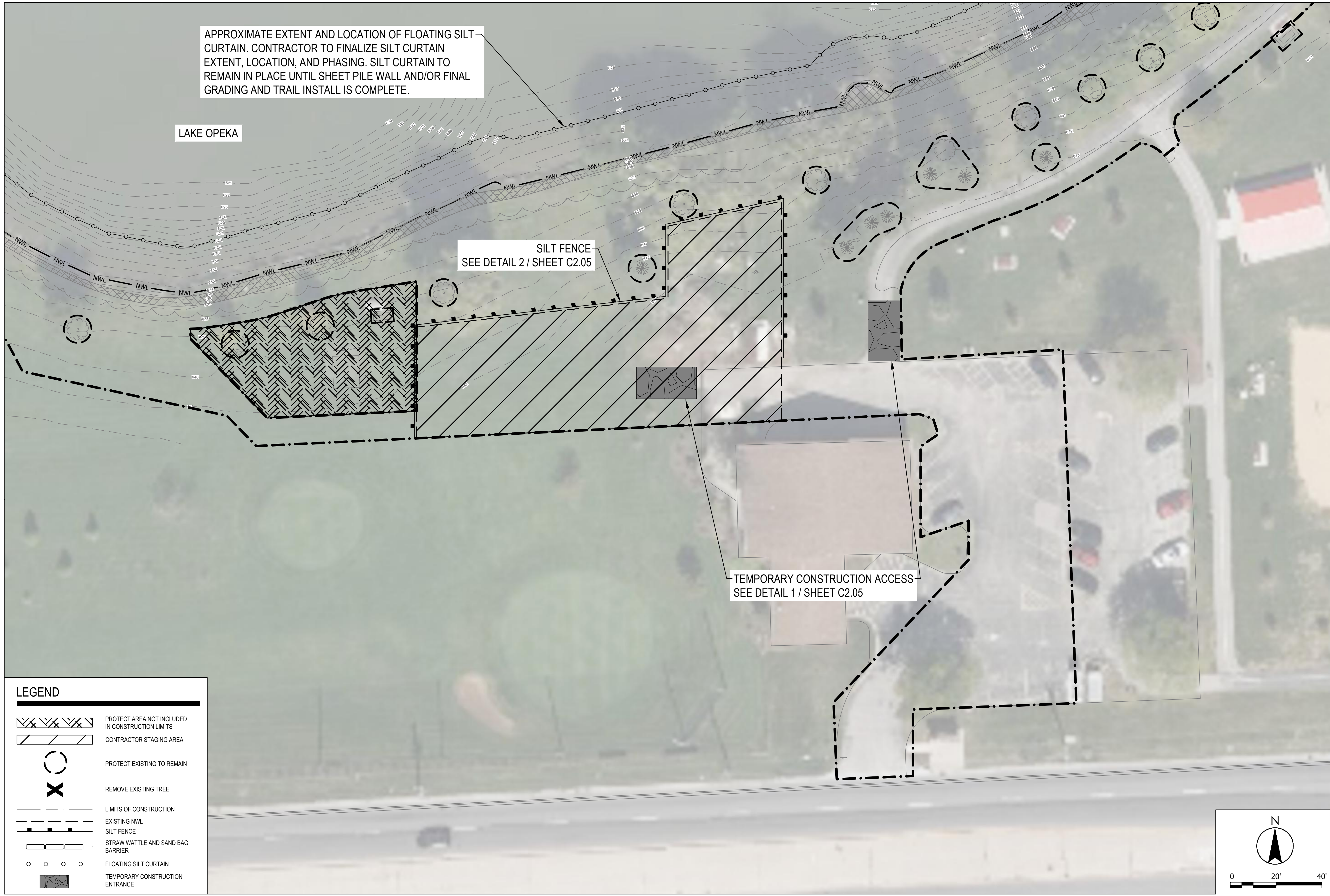
NO.	REVISION	DATE

SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN


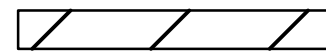





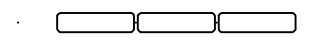
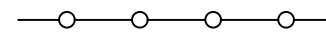

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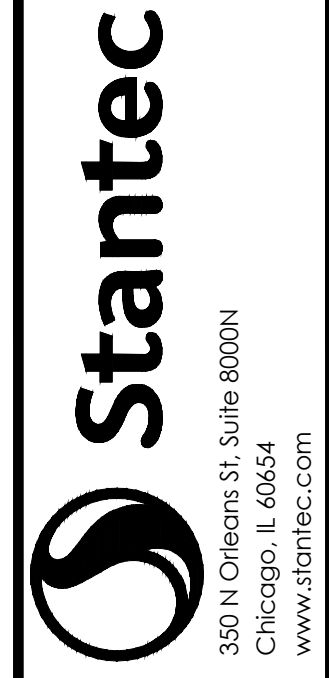
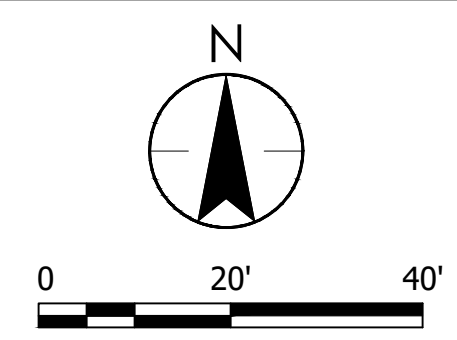
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 4:55pm  
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**LEGEND**

-  PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
-  CONTRACTOR STAGING AREA
-  PROTECT EXISTING TO REMAIN
-  REMOVE EXISTING TREE
-  LIMITS OF CONSTRUCTION
-  EXISTING NWL
-  SILT FENCE
-  STRAW WATTLE AND SAND BAG BARRIER
-  FLOATING SILT CURTAIN
-  TEMPORARY CONSTRUCTION ENTRANCE



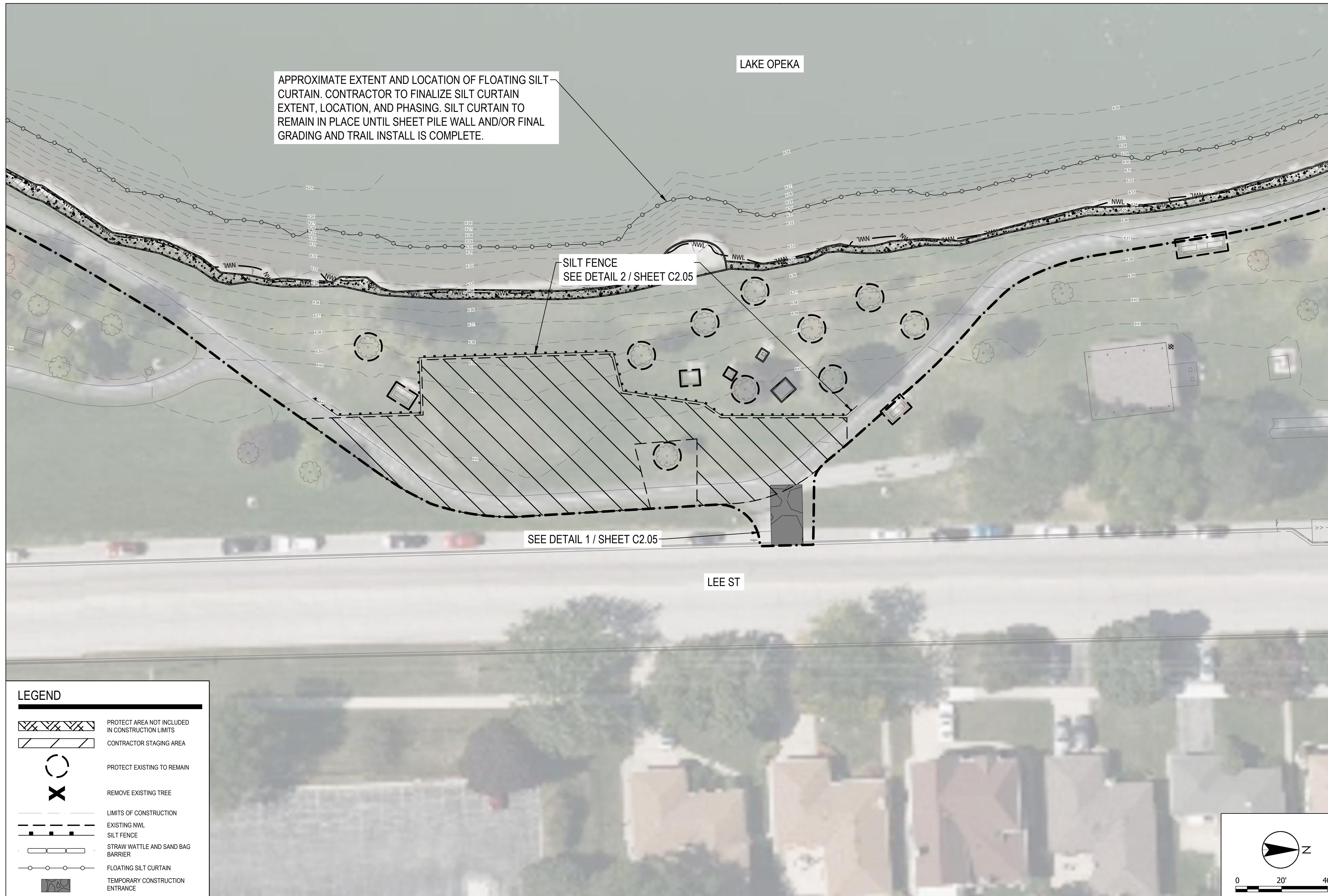
**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

**EROSION CONTROL PLAN - SOUTHERN ACCESS**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO.	REVISION DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>C2.02</b>

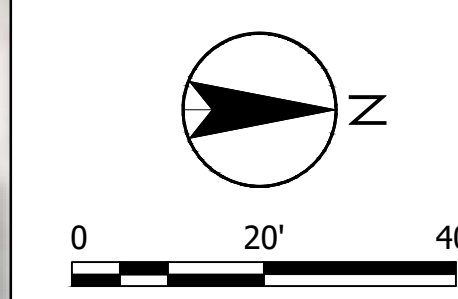
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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**LEGEND**

- PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
- CONTRACTOR STAGING AREA
- PROTECT EXISTING TO REMAIN
- REMOVE EXISTING TREE
- LIMITS OF CONSTRUCTION
- EXISTING NWL
- SILT FENCE
- STRAW WATTLE AND SAND BAG BARRIER
- FLOATING SILT CURTAIN
- TEMPORARY CONSTRUCTION ENTRANCE



**Stantec**

352 N Orleans St, Suite 800N  
Chicago, IL 60654  
www.stantec.com

ISSUED FOR CONSTRUCTION

SUBJECT TO ADDENDA

EROSION CONTROL PLAN - EASTERN ACCESS

LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE		
January 8, 2024		
NO.	REVISION	DATE

SURVEY

WT

DRAWN

KG, SW

DESIGNED

CB

CHECKED

CB

APPROVED

TN

PROJ. NO.

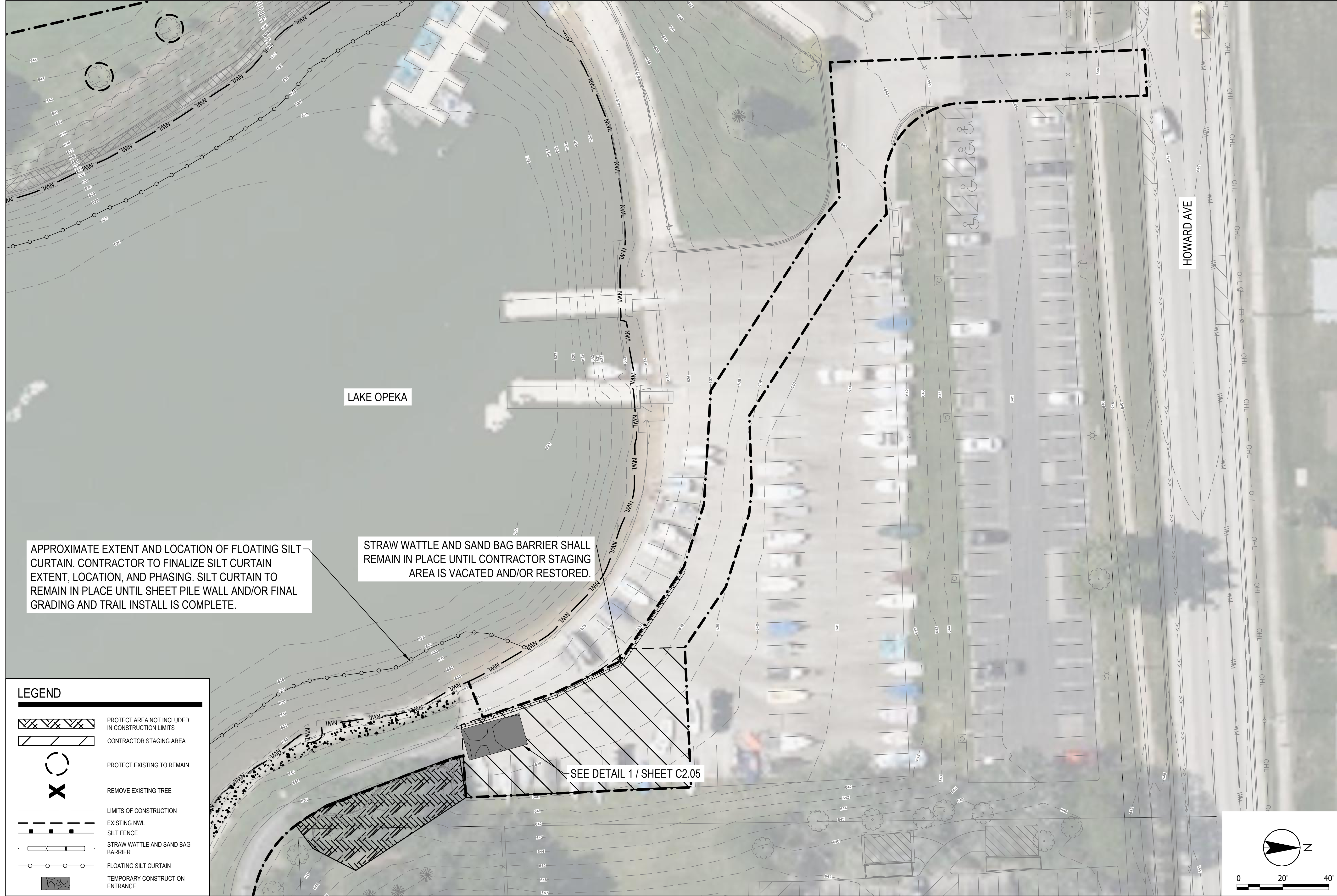
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SHEET NUMBER







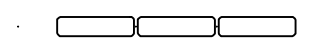
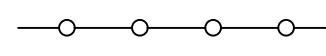

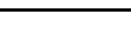
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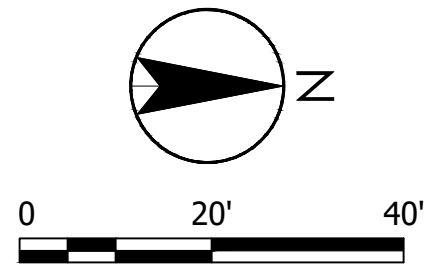
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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**LEGEND**

-  PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
-  CONTRACTOR STAGING AREA
-  PROTECT EXISTING TO REMAIN
-  REMOVE EXISTING TREE
-  LIMITS OF CONSTRUCTION
-  EXISTING NWL
-  SILT FENCE
-  STRAW WATTLE AND SAND BAG BARRIER
-  FLOATING SILT CURTAIN
-  TEMPORARY CONSTRUCTION ENTRANCE



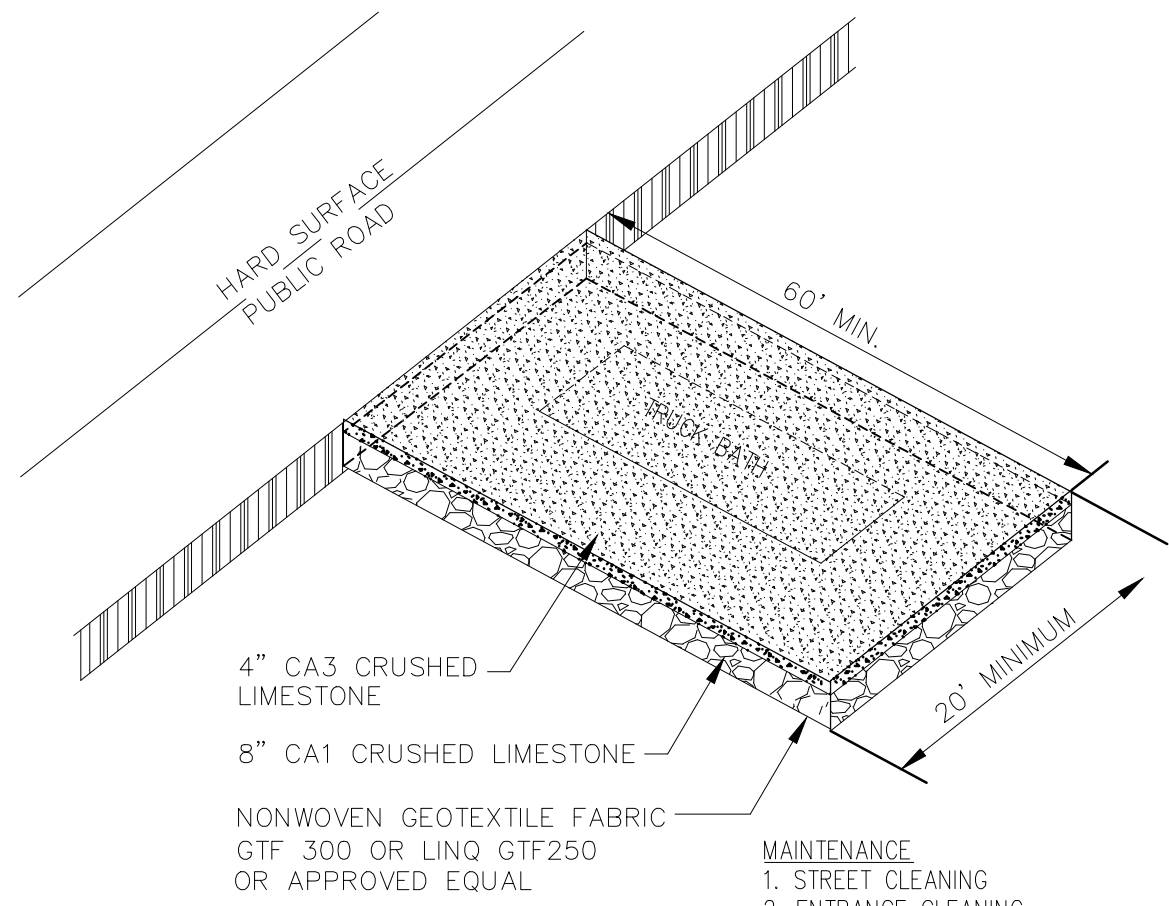
**EROSION CONTROL PLAN - NORTHERN ACCESS**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO	REVISION DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

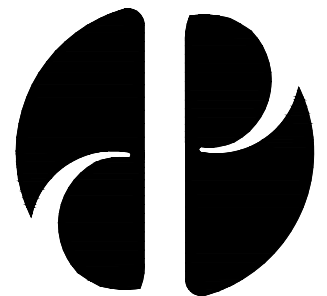
SHEET NUMBER  
**C2.04**

**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

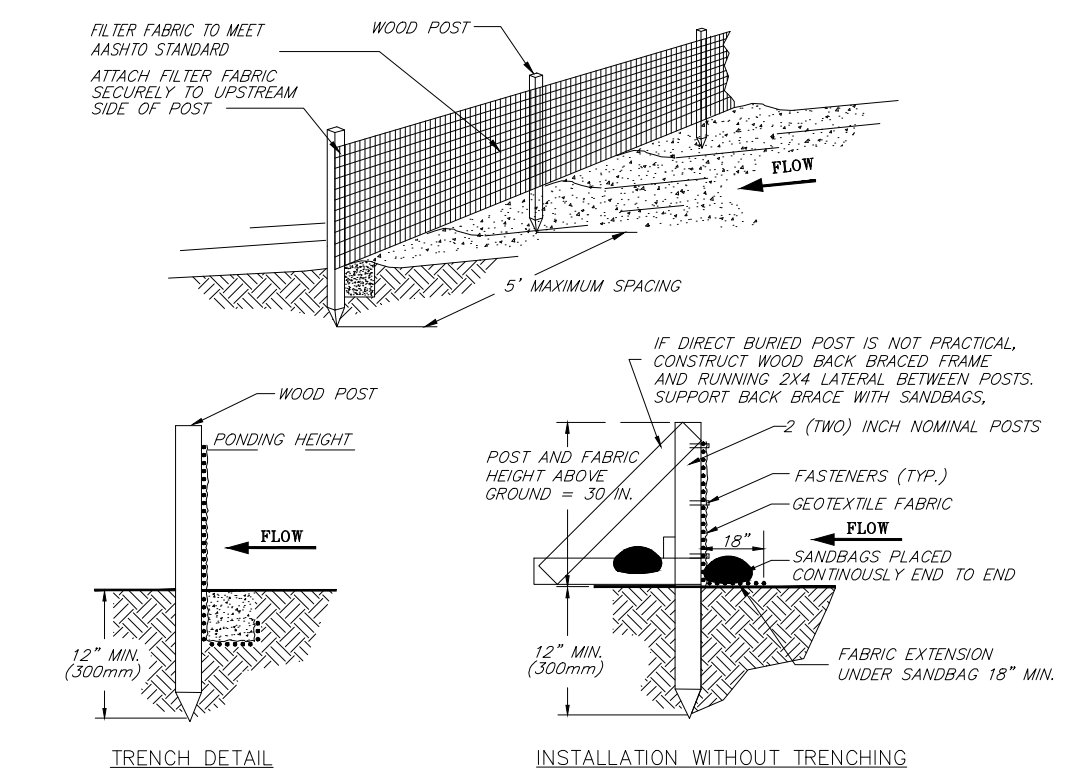


**TEMPORARY CONSTRUCTION ENTRANCE**



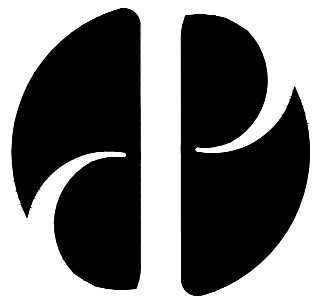
**CITY OF DES PLAINES**  
PUBLIC WORKS AND ENGINEERING DEPARTMENT  
1420 MINER STREET  
DES PLAINES, IL 60016  
PHONE-847-391-5390 FAX 847-391-5619  
WWW.DESPLAINES.ORG

1  
C2.05 TEMPORARY CONSTRUCTION ENTRANCE  
NTS



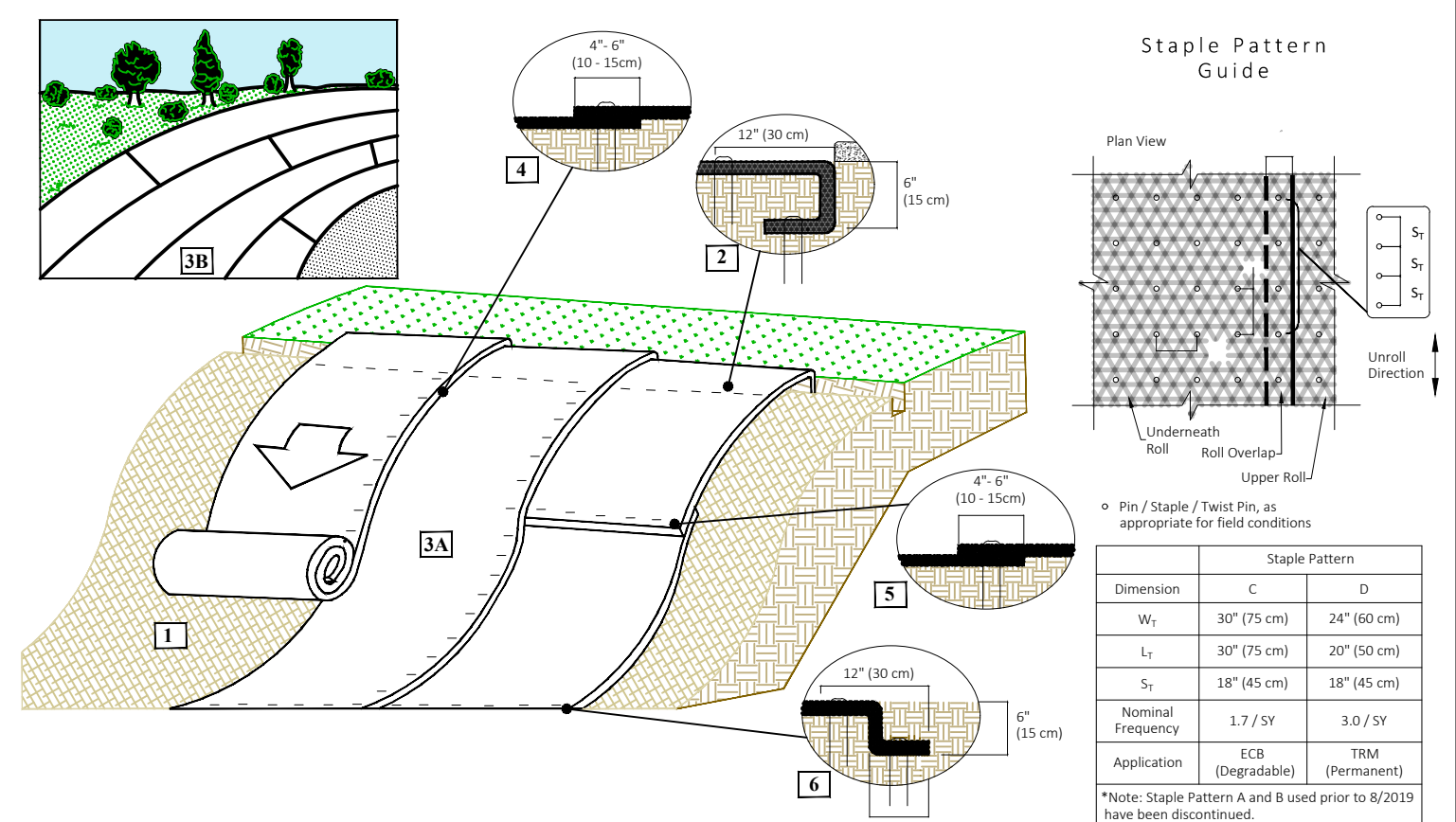
- SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF THE POST.
  - ATTACH GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF THREE FASTENERS PER POST AND EXTEND TO THE BOTTOM OF THE TRENCH. ACCEPTABLE FASTENERS INCLUDE STAPLES, ZIP-TIES, OR WIRE TIES.
  - BACKFILL AND COMPACT THE EXCAVATED SPILL MATERIALS.
- NOTES:  
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.  
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.  
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.  
4. FABRIC AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ASSHTO STANDARD SPECIFICATION M-288-00.

**SILT FENCE INSTALLATION DETAIL**



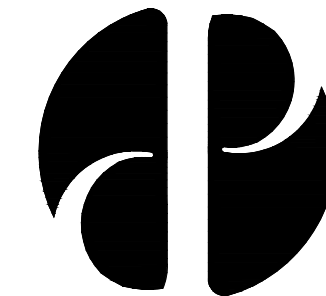
**CITY OF DES PLAINES**  
PUBLIC WORKS AND ENGINEERING DEPARTMENT  
1420 MINER STREET  
DES PLAINES, IL 60016  
PHONE-847-391-5390 FAX 847-391-5619  
WWW.DESPLAINES.ORG

2  
C2.05 SILT FENCE  
NTS



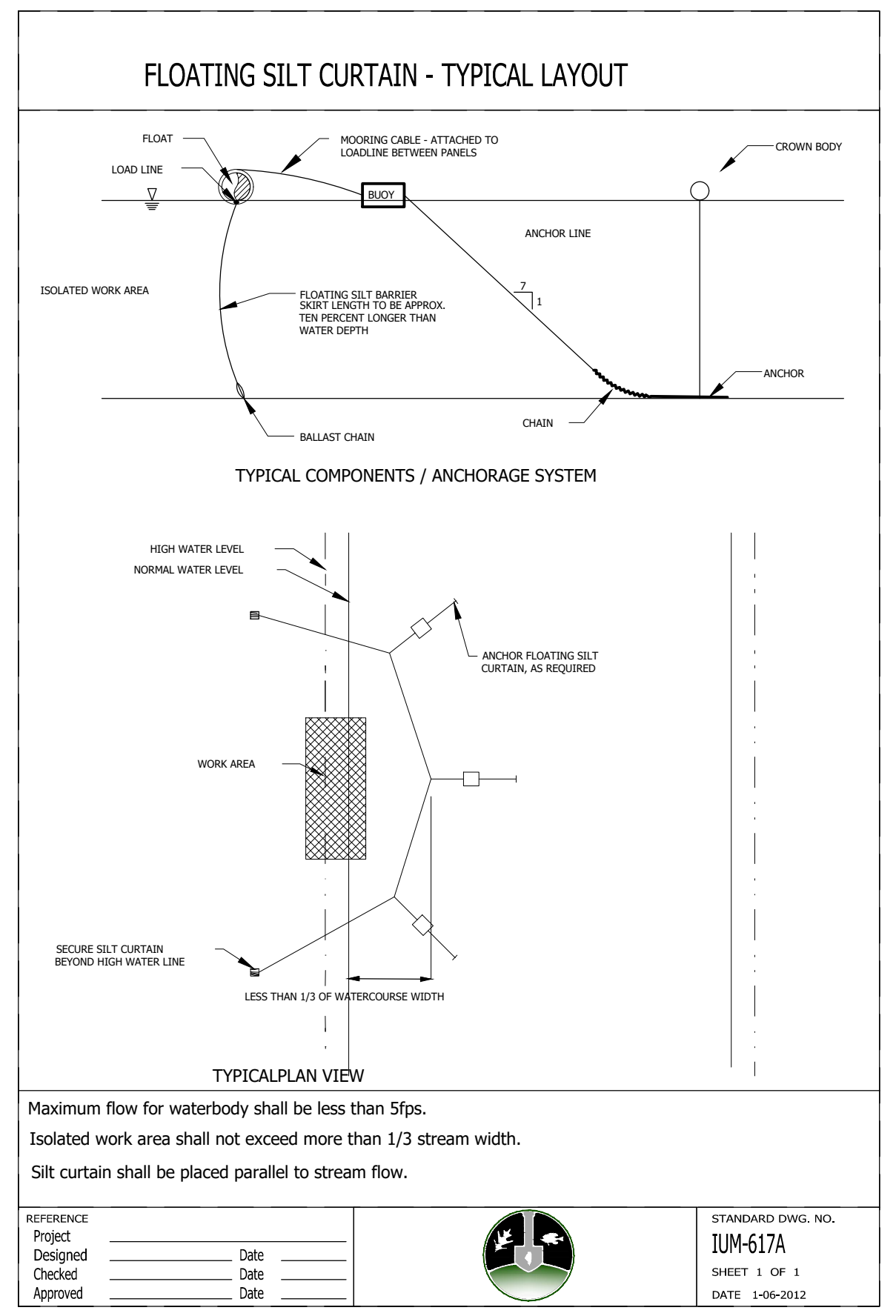
- Instructions**
- Prepare soil before installing rolled erosion control products (RECP), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.
  - Begin at the top of the slope by anchoring the RECPs in a 4" (10 cm) deep x 4" (10 cm) wide trench. Anchor the RECPs with a row of staples/staples/pins spaced at 5' apart in the bottom of the trench. Backfill and compact the trench after stapling and fold the roll over downslope. Secure RECPs over compacted soil with a row of staples/staples/pins spaced at 5' apart across the width of the RECPs.
  - Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/staples/pins in appropriate locations as shown in the staple pattern guide. RollMax RECPs and ECs should utilize Staple Pattern C, TRMs and VMMax materials should utilize Staple Pattern D.
  - The edges of parallel RECPs must be stapled with approximately 4" (10 - 15 cm) overlap.
  - Consecutive RECPs spliced down the slope must overlap with the upstream mat along the downstream mat (shingle style). The overlap should be 4" (10 - 15 cm).
  - At the terminal end, secure each mat across the width with a row of staples/staples/pins spaced at 5'. If exposed to flow, foot traffic, wind uplift or other disruption, trench the terminal end in as shown in detail.
  - Fasteners should provide a minimum of twenty pounds of pullout resistance. Six inch (15 cm) 9 one-inch (2.5 cm) eleven gauge staples are typically adequate. In loose soil, larger staples may be necessary. Twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may be used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMMax (TRM) or TRMax (PFRM) materials.

**EROSION CONTROL BLANKET SLOPE INSTALLATION**

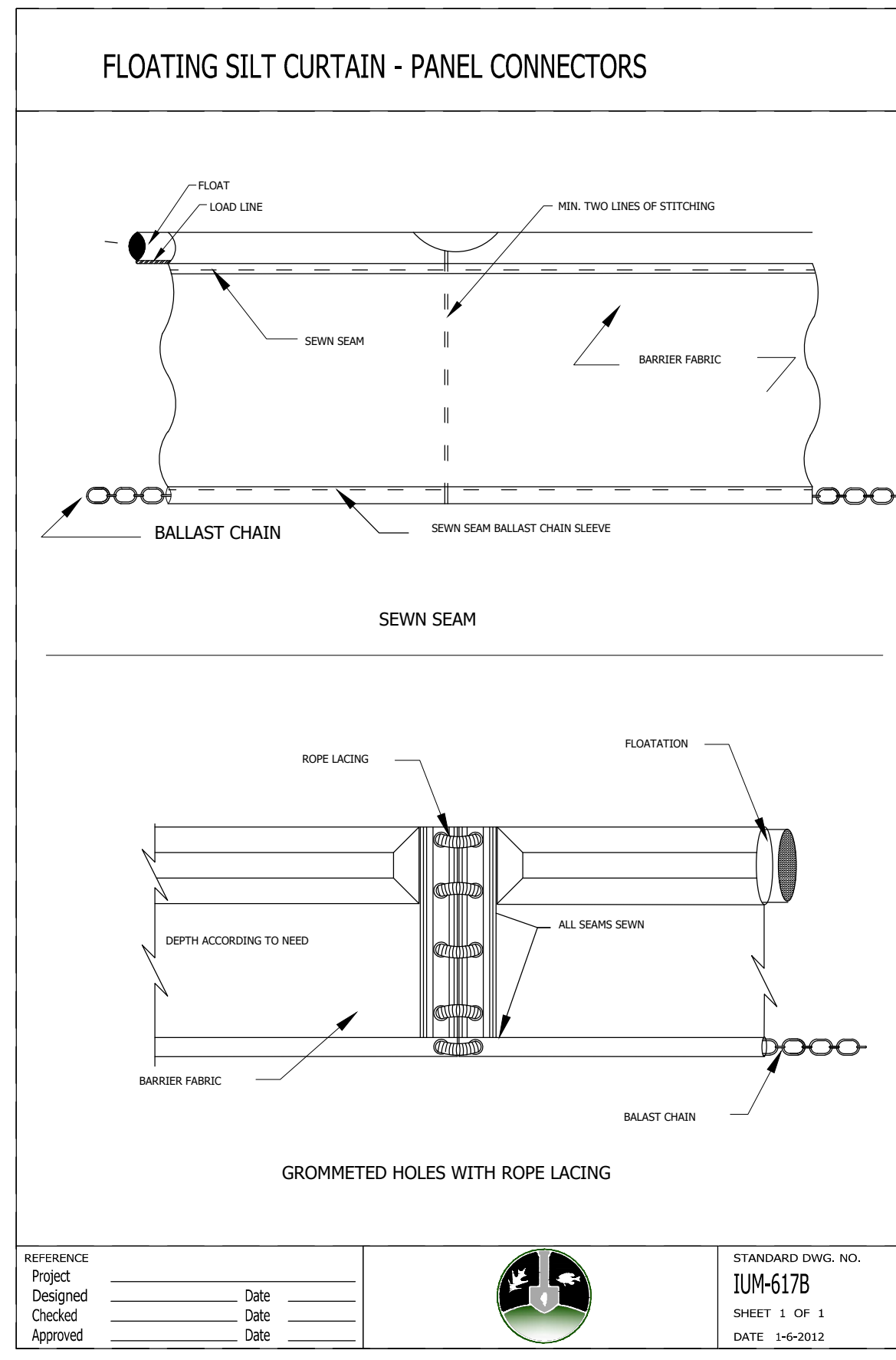


**CITY OF DES PLAINES**  
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1420 MINER STREET  
DES PLAINES, IL 60016  
PHONE-847-391-5390 FAX 847-391-5619  
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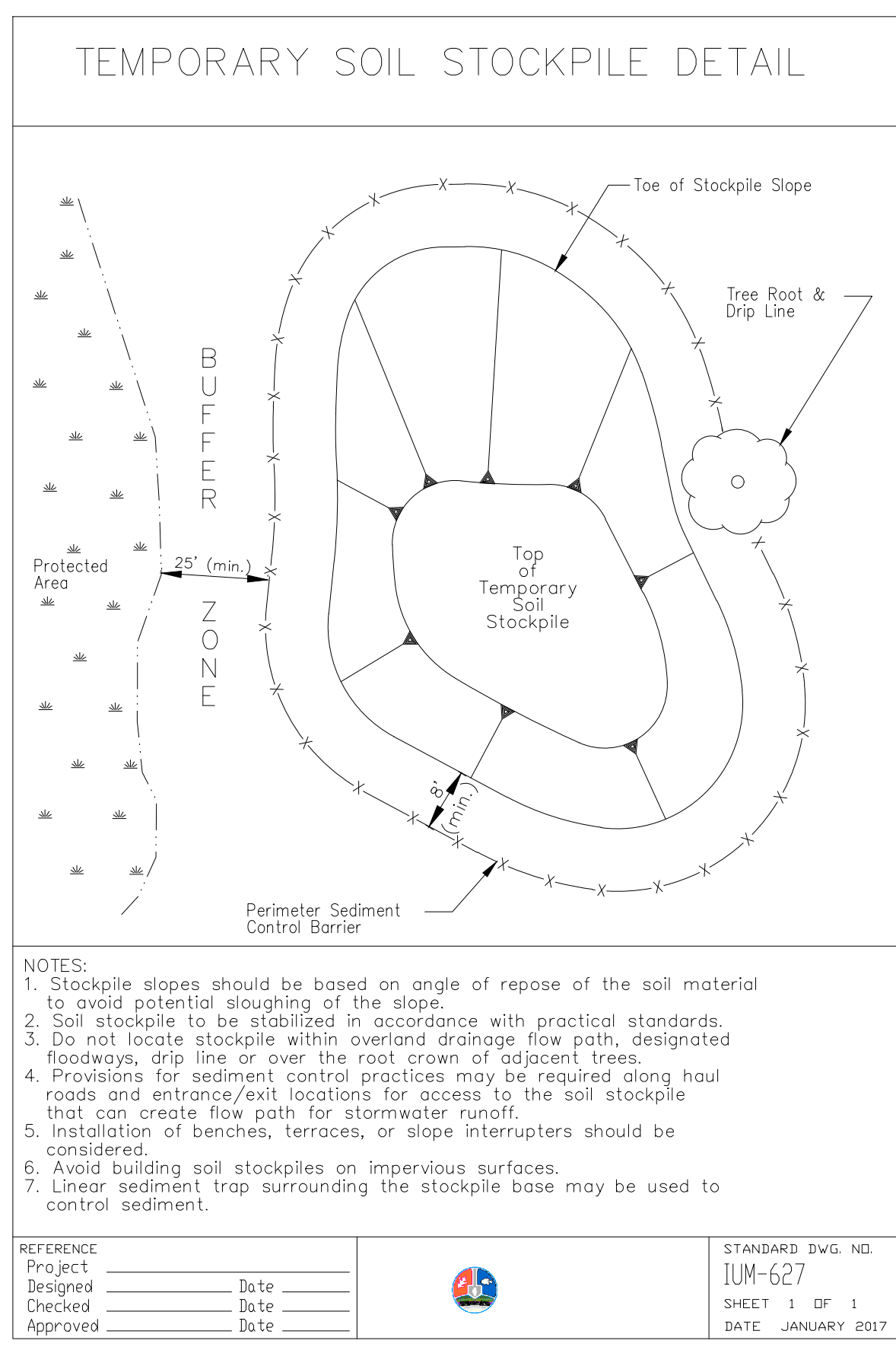
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C2.05 EROSION CONTROL BLANKET  
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4  
C2.05 FLOATING SILT CURTAIN  
NTS

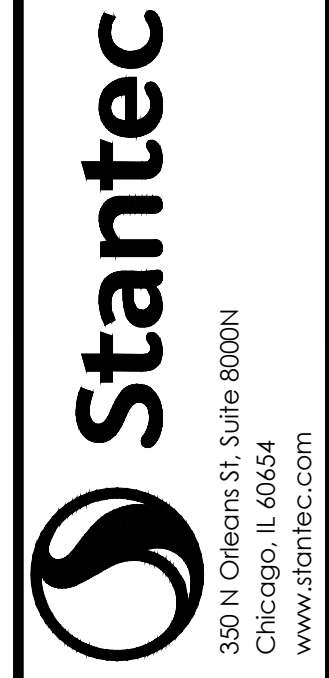


5  
C2.05 FLOATING SILT CURTAIN - PANEL CONNECTORS  
NTS



6  
C2.05 TEMPORARY SOIL STOCKPILE  
NTS

Plot Date: 01/03/2024 - 4:58pm  
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User: B-2622-ME@173420083.WIN.DOWNS



**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

**EROSION CONTROL DETAILS**  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO. REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	C2.05

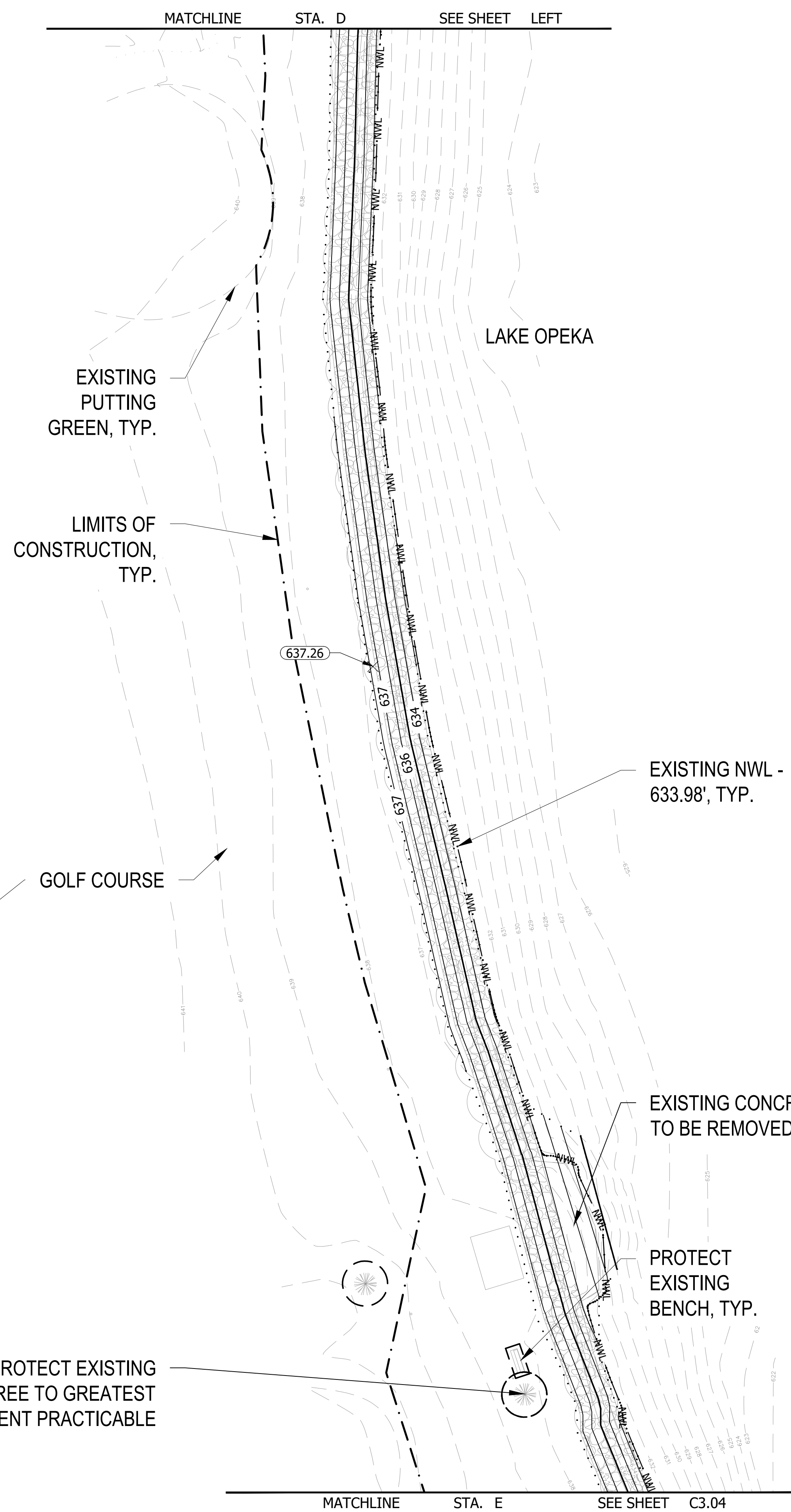
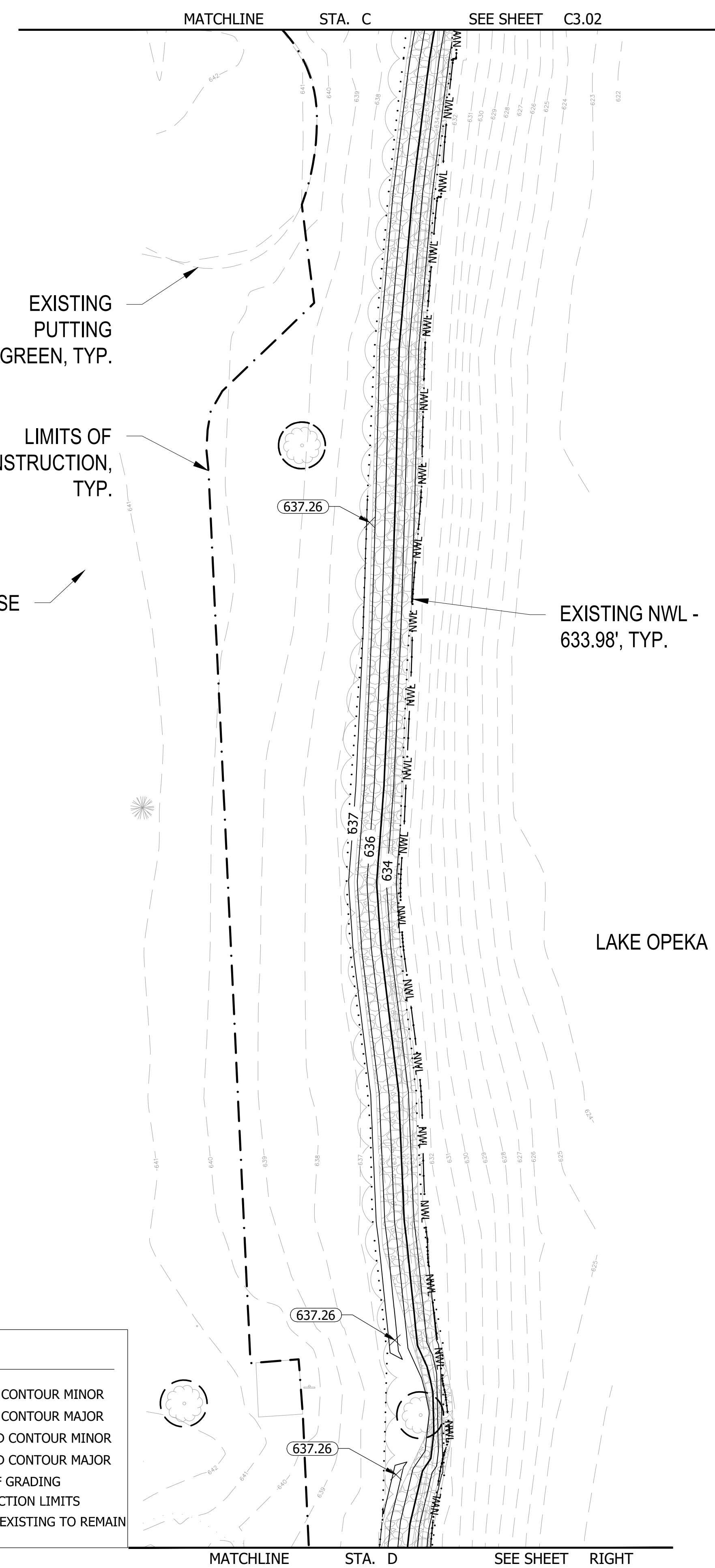




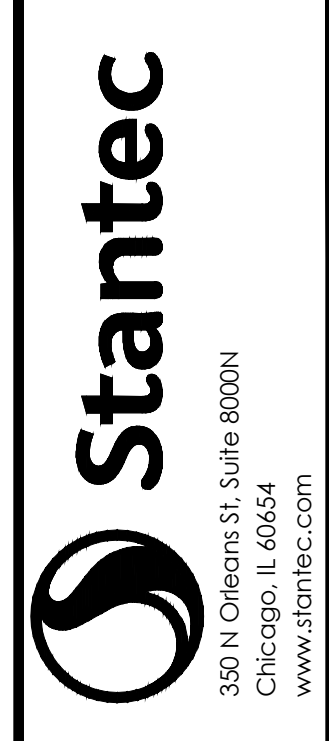
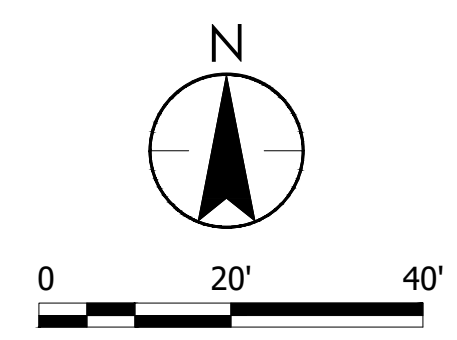
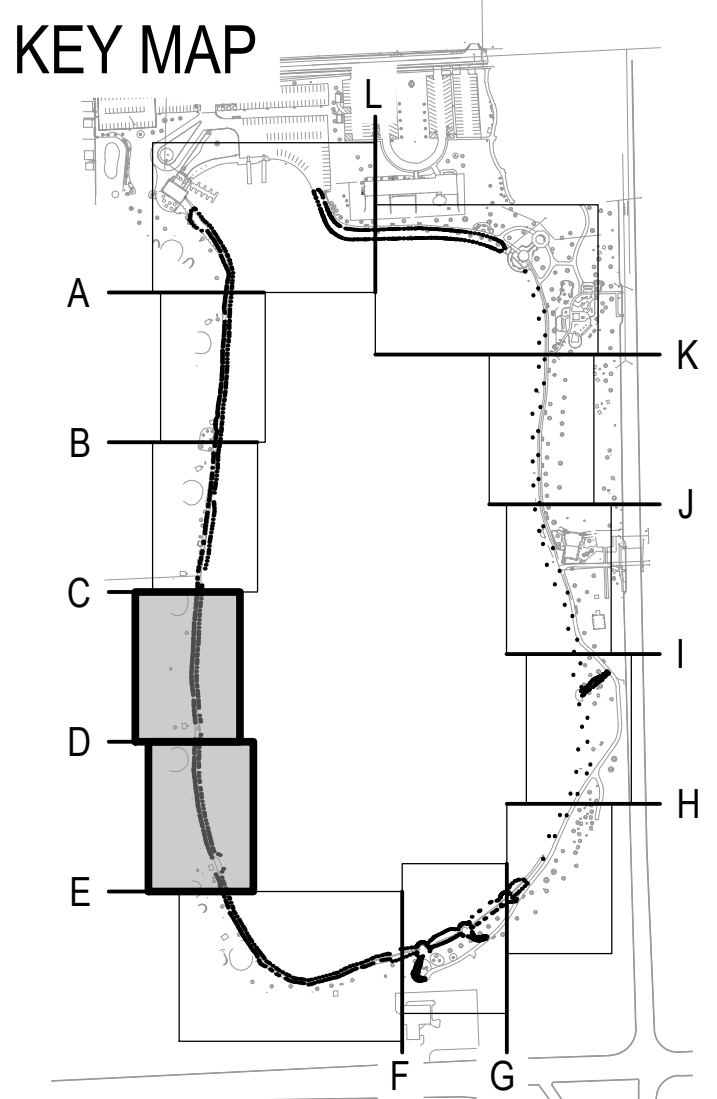


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 OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:03pm  
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GRADING LEGEND	
--- 952 ---	EXISTING CONTOUR MINOR
— 950 —	EXISTING CONTOUR MAJOR
— 952 —	PROPOSED CONTOUR MINOR
— 950 —	PROPOSED CONTOUR MAJOR
.....	LIMITS OF GRADING
- - - - -	CONSTRUCTION LIMITS
- - - - -	PROTECT EXISTING TO REMAIN



**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

**GRADING PLAN**  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

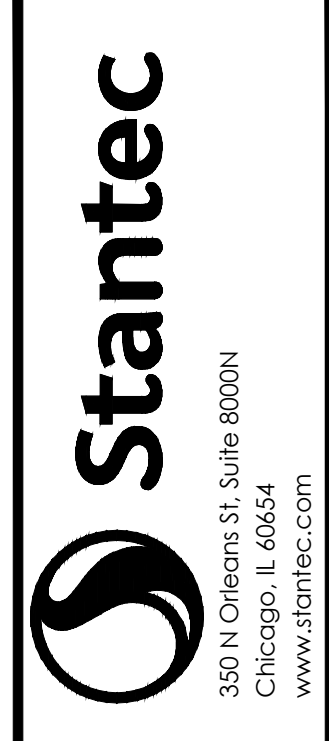
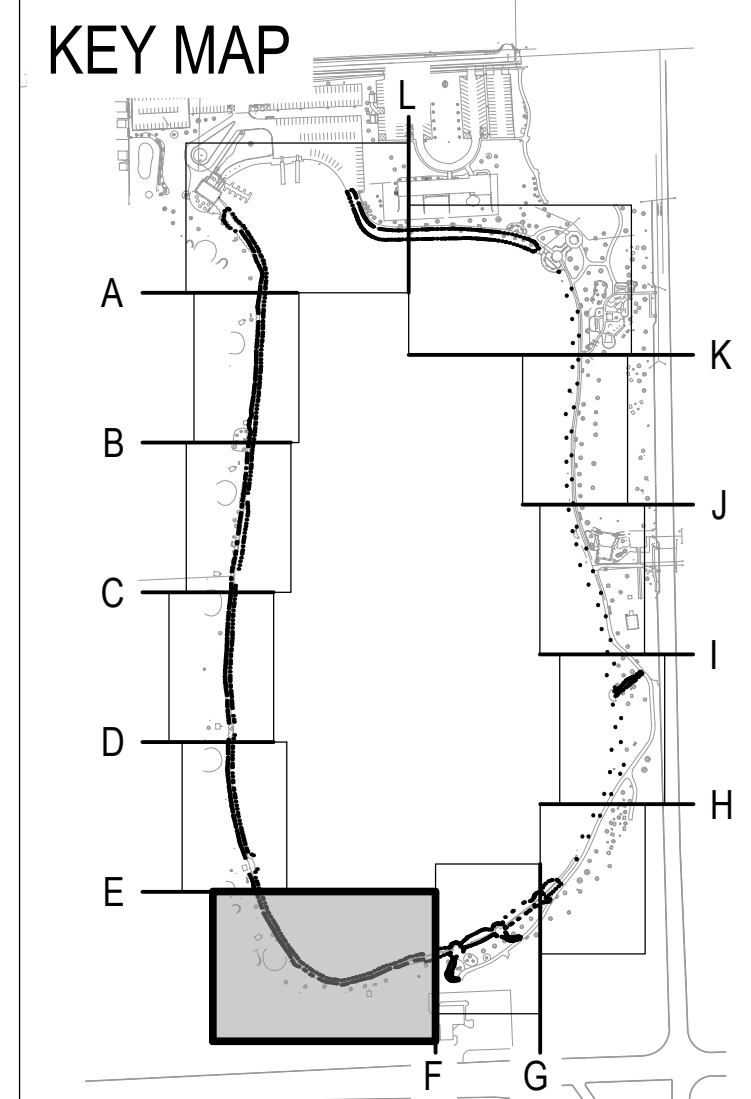
DATE OF ISSUANCE	January 8, 2024
NO. / REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>C3.03</b>

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:04pm  
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MATCHLINE STA. E SEE SHEET C3.03

MATCHLINE STA. F SEE SHEET C3.05



ISSUED FOR CONSTRUCTION SUBJECT TO ADDENDA

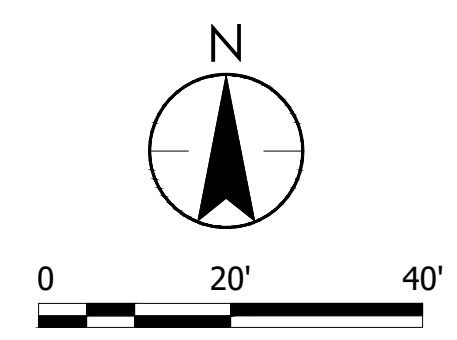
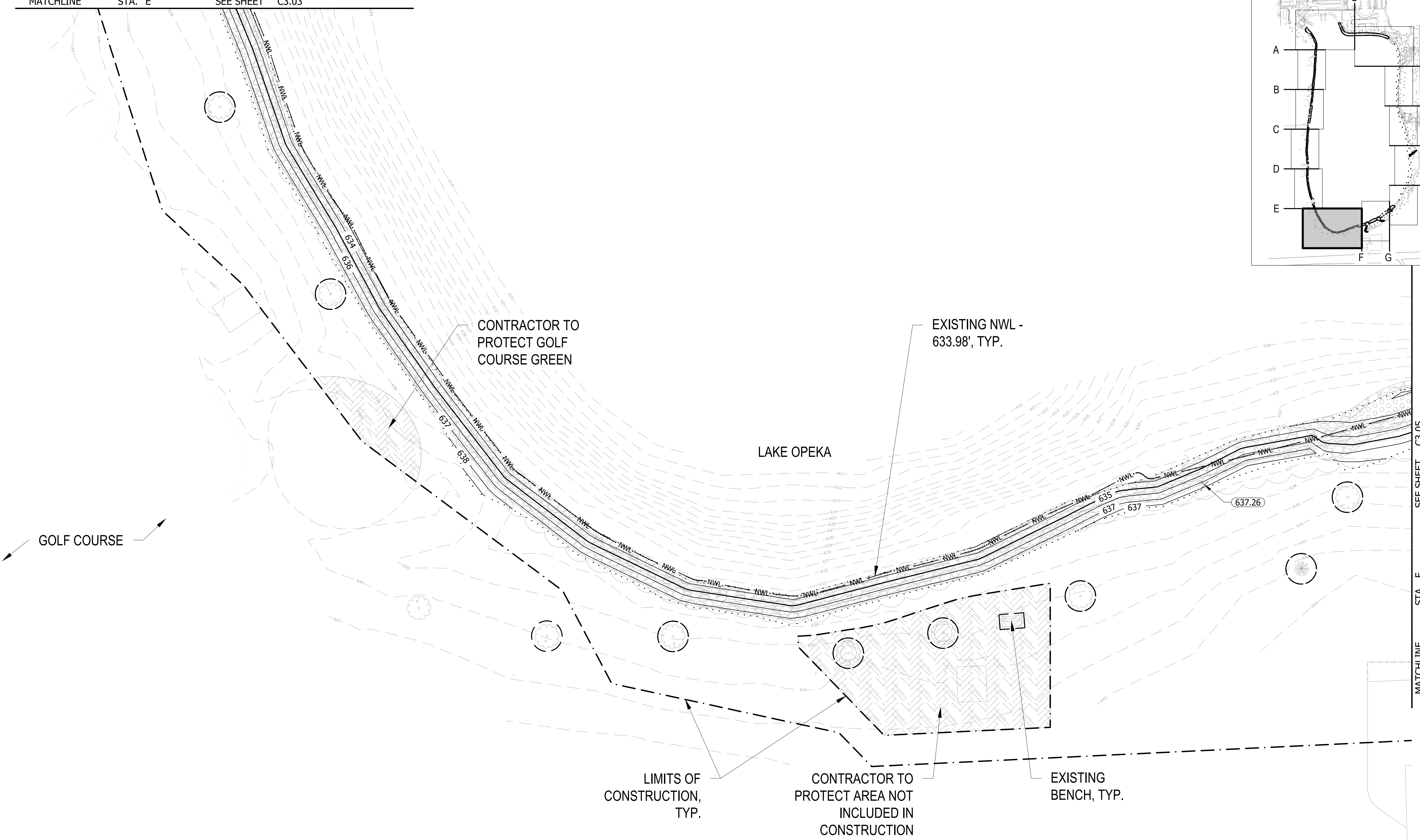
GRADING PLAN  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO. REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

SHEET NUMBER  
**C3.04**

**GRADING LEGEND**

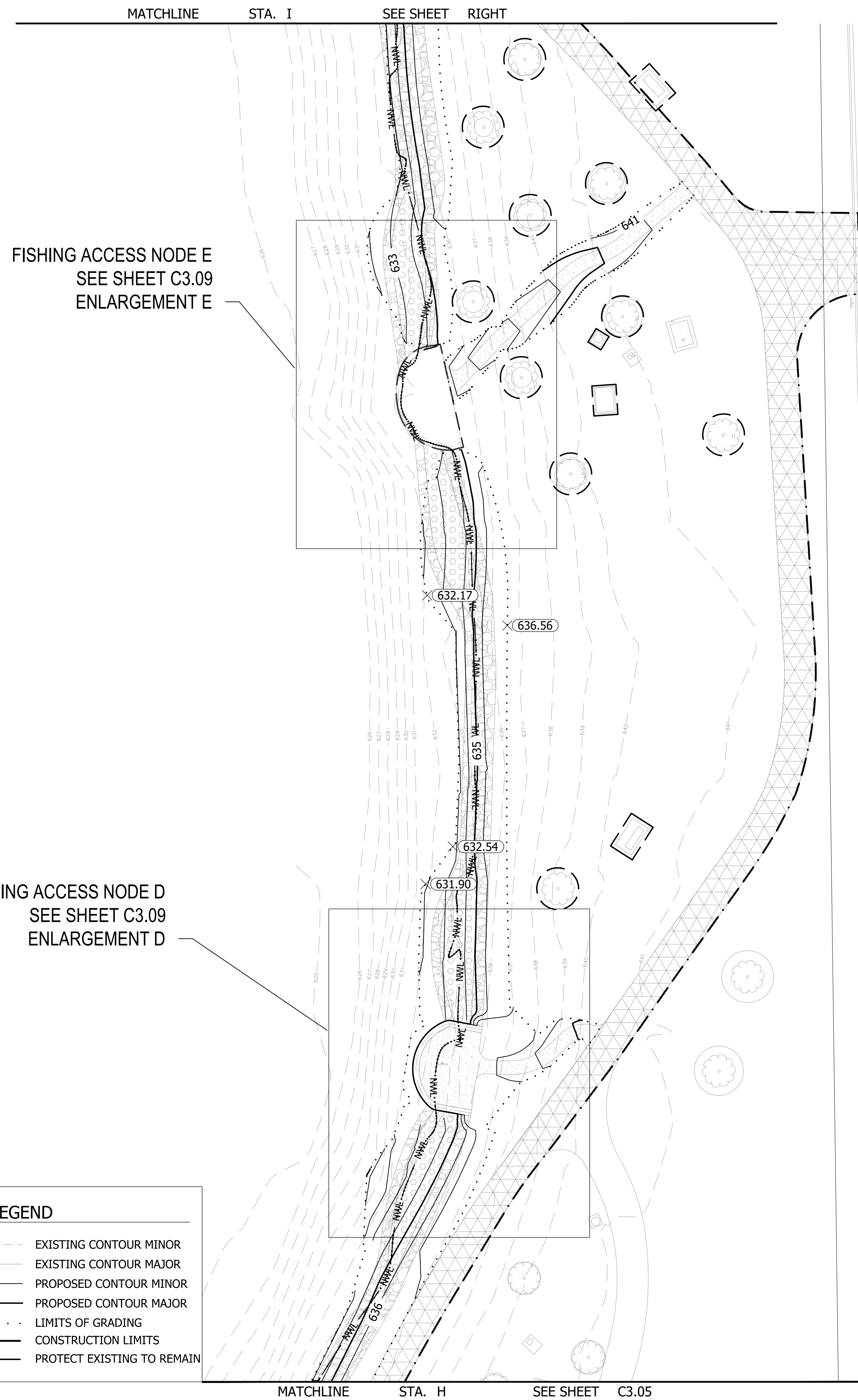
--- 952 ---	EXISTING CONTOUR MINOR
--- 950 ---	EXISTING CONTOUR MAJOR
--- 952 ---	PROPOSED CONTOUR MINOR
--- 950 ---	PROPOSED CONTOUR MAJOR
.....	LIMITS OF GRADING
---	CONSTRUCTION LIMITS
---	PROTECT EXISTING TO REMAIN





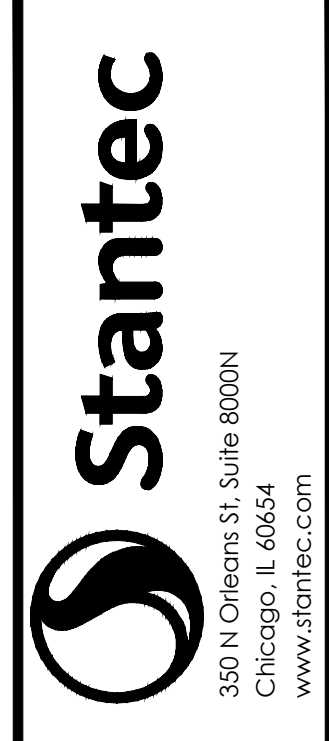
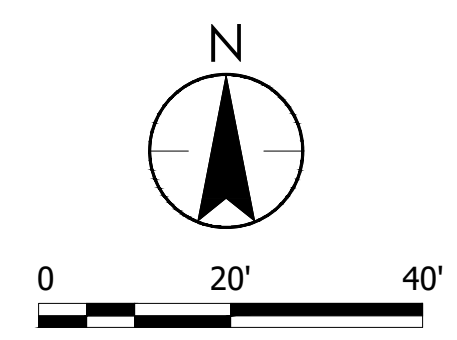
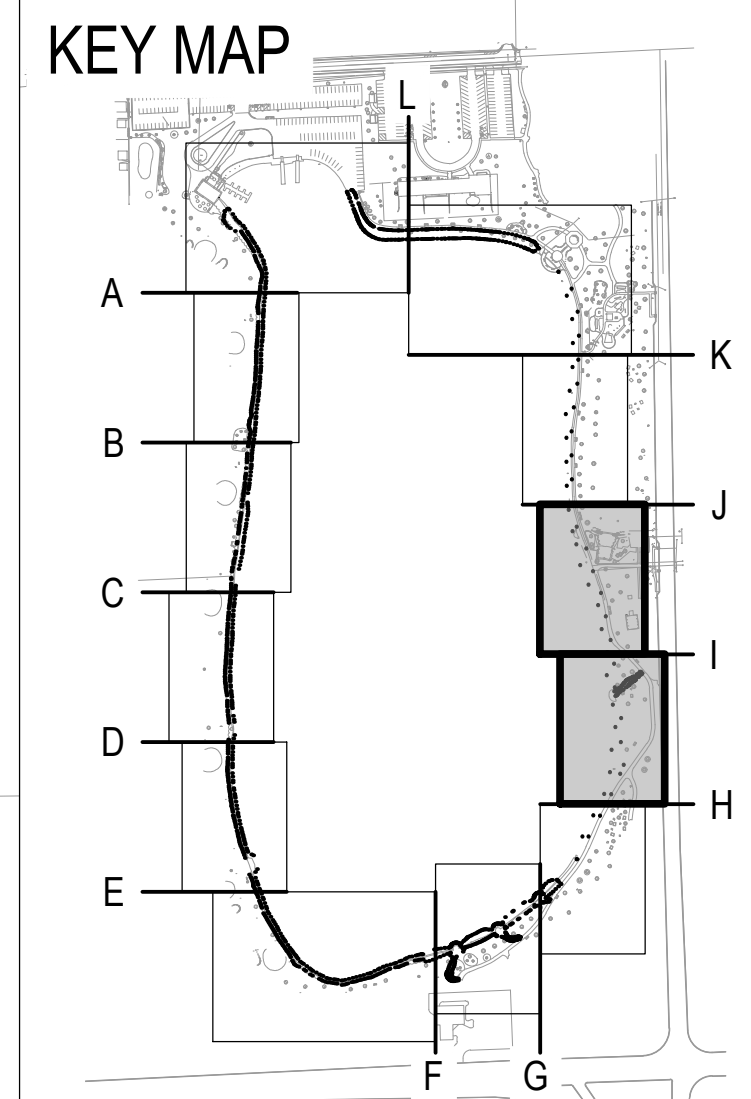
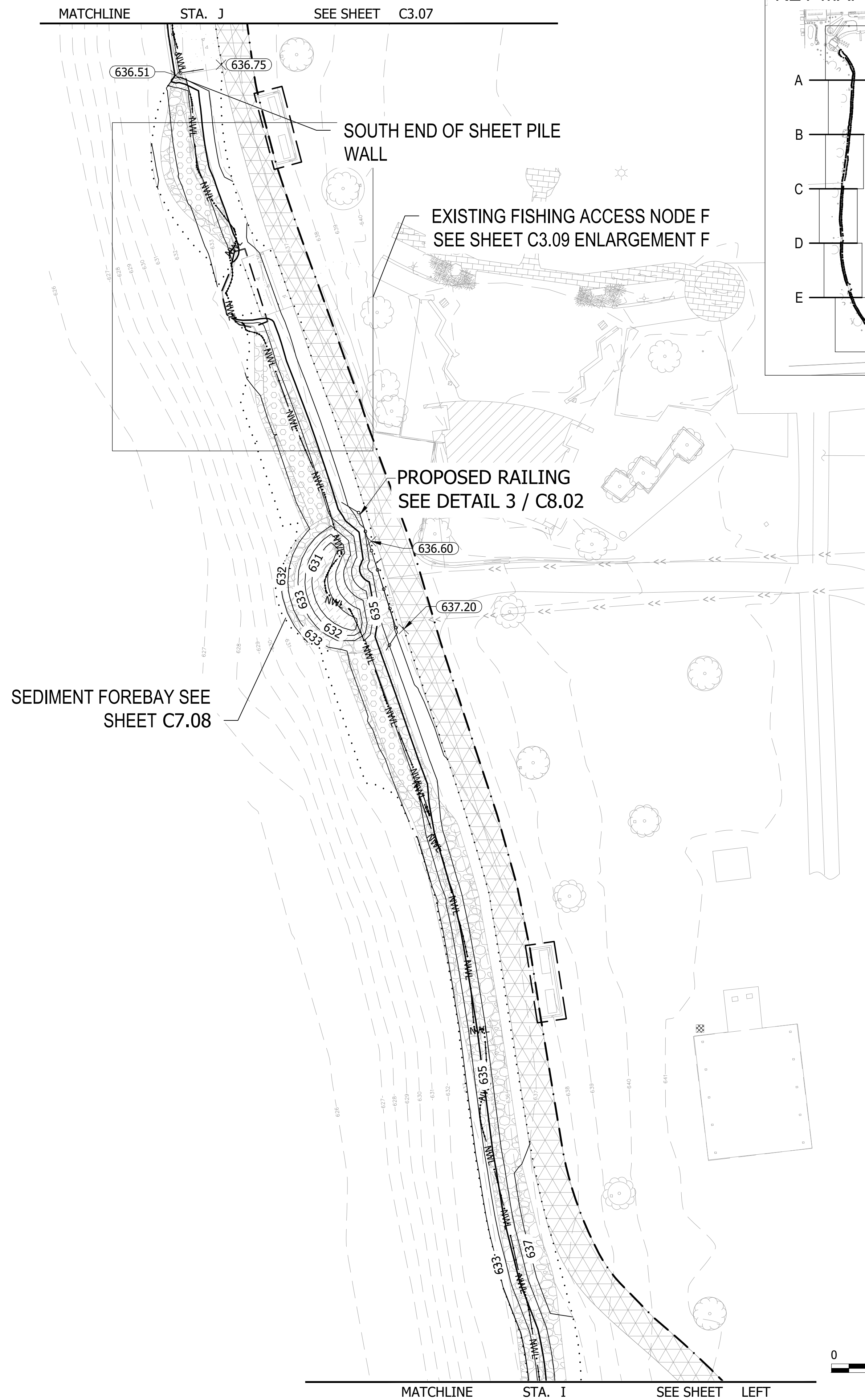
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:04pm  
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**GRADING LEGEND**

--- 952 ---	EXISTING CONTOUR MINOR
--- 950 ---	EXISTING CONTOUR MAJOR
--- 952 ---	PROPOSED CONTOUR MINOR
--- 950 ---	PROPOSED CONTOUR MAJOR
.....	LIMITS OF GRADING
---	CONSTRUCTION LIMITS
---	PROTECT EXISTING TO REMAIN



**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

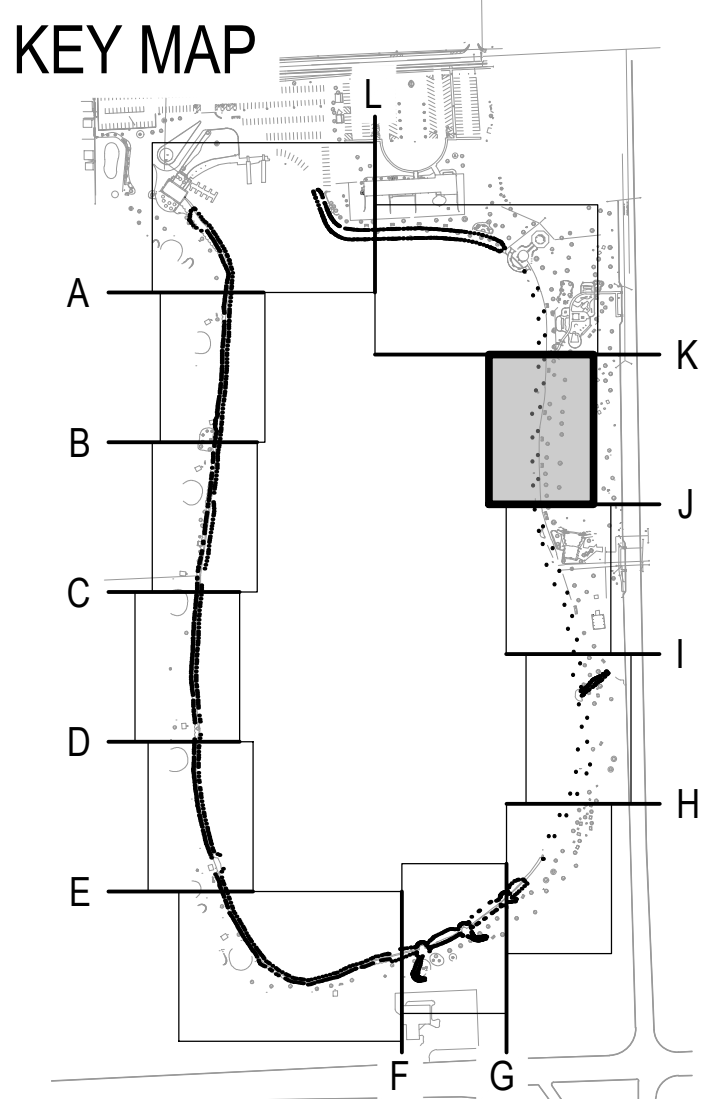
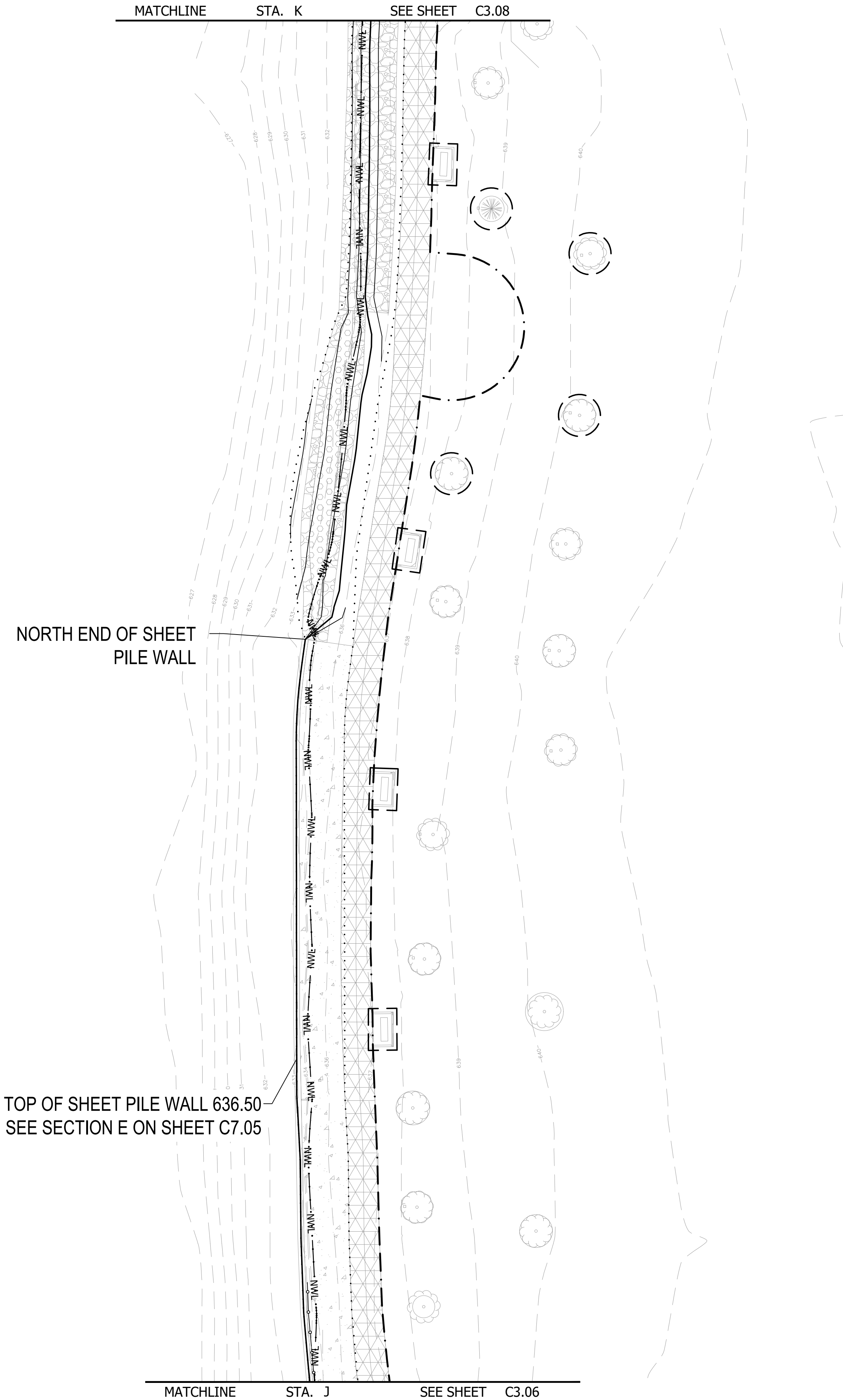
**GRADING PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO	REVISION DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

SHEET NUMBER  
**C3.06**

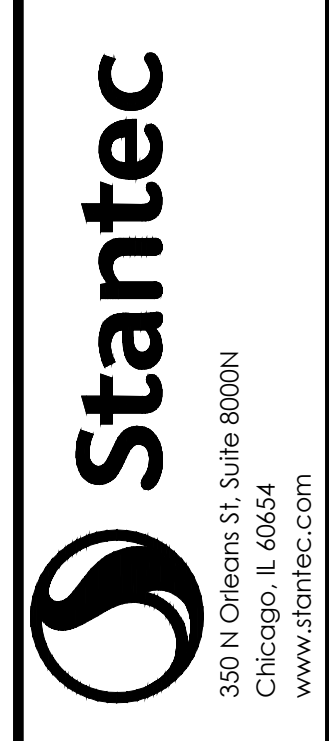
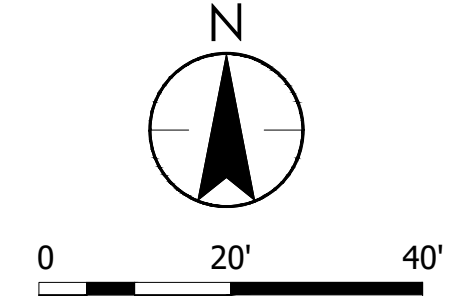
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. THIS DRAWING IS THE PROPERTY OF STANTEC AND IS TO BE USED ONLY FOR THE PROJECT AND PURPOSE FOR WHICH IT WAS AUTHORIZED BY STANTEC. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:07pm  
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**GRADING LEGEND**

	952	EXISTING CONTOUR MINOR
	950	EXISTING CONTOUR MAJOR
	952	PROPOSED CONTOUR MINOR
	950	PROPOSED CONTOUR MAJOR
		LIMITS OF GRADING
		CONSTRUCTION LIMITS
		PROTECT EXISTING TO REMAIN



ISSUED FOR CONSTRUCTION SUBJECT TO ADDENDA

GRADING PLAN  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

NO	REVISION	DATE

DATE OF ISSUANCE  
 January 8, 2024

SURVEY WT  
 DRAWN KG, SW  
 DESIGNED CB  
 CHECKED CB  
 APPROVED TN

PROJ. NO. 173420083

SHEET NUMBER  
**C3.07**

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:08pm  
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 User: jls  
 Plot Date: 01/03/2024 - 5:08pm

SEE SHEET C3.01

STA. L

MATCHLINE

SEE SHEET C3.10

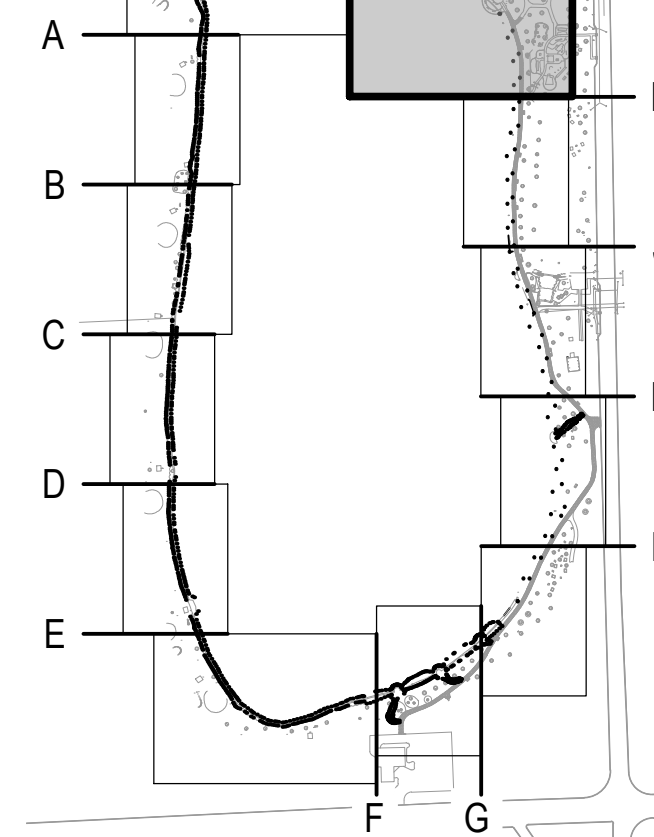
TOP OF CAP OF SHEET PILE WALL  
636.66' SEE SECTION F ON SHEET C7.06

MATCH EXISTING

MATCH EXISTING

EXISTING PARK PAVILION

KEY MAP



PIPE INVERT ELEVATION  
634.34

LIMESTONE WALL

EXISTING PIPE OUTFALL  
SEE SHEET C3.10  
ENLARGEMENT B

EXISTING TRAIL TO BE REPLACED

EXISTING PLAYGROUND

EXISTING NWL - 633.98', TYP.

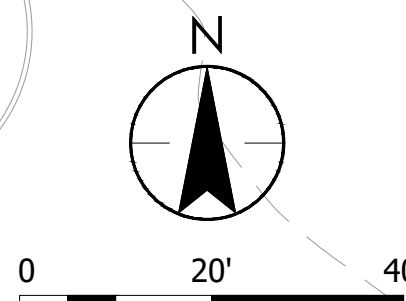
LAKE OPEKA

EXISTING BENCH, TYP.

GRADING LEGEND

- - - - 952 - - - - EXISTING CONTOUR MINOR
- 950 — EXISTING CONTOUR MAJOR
- - - - 952 - - - - PROPOSED CONTOUR MINOR
- 950 — PROPOSED CONTOUR MAJOR
- ..... LIMITS OF GRADING
- - - - CONSTRUCTION LIMITS
- - - - PROTECT EXISTING TO REMAIN

LIMITS OF CONSTRUCTION, TYP.



MATCHLINE

STA. K

SEE SHEET C3.07



350 N Orleans St., Suite 800N  
Chicago, IL 60654  
www.stantec.com

ISSUED FOR  
CONSTRUCTION  
SUBJECT TO ADDENDA

GRADING PLAN  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE  
January 8, 2024

NO REVISION DATE

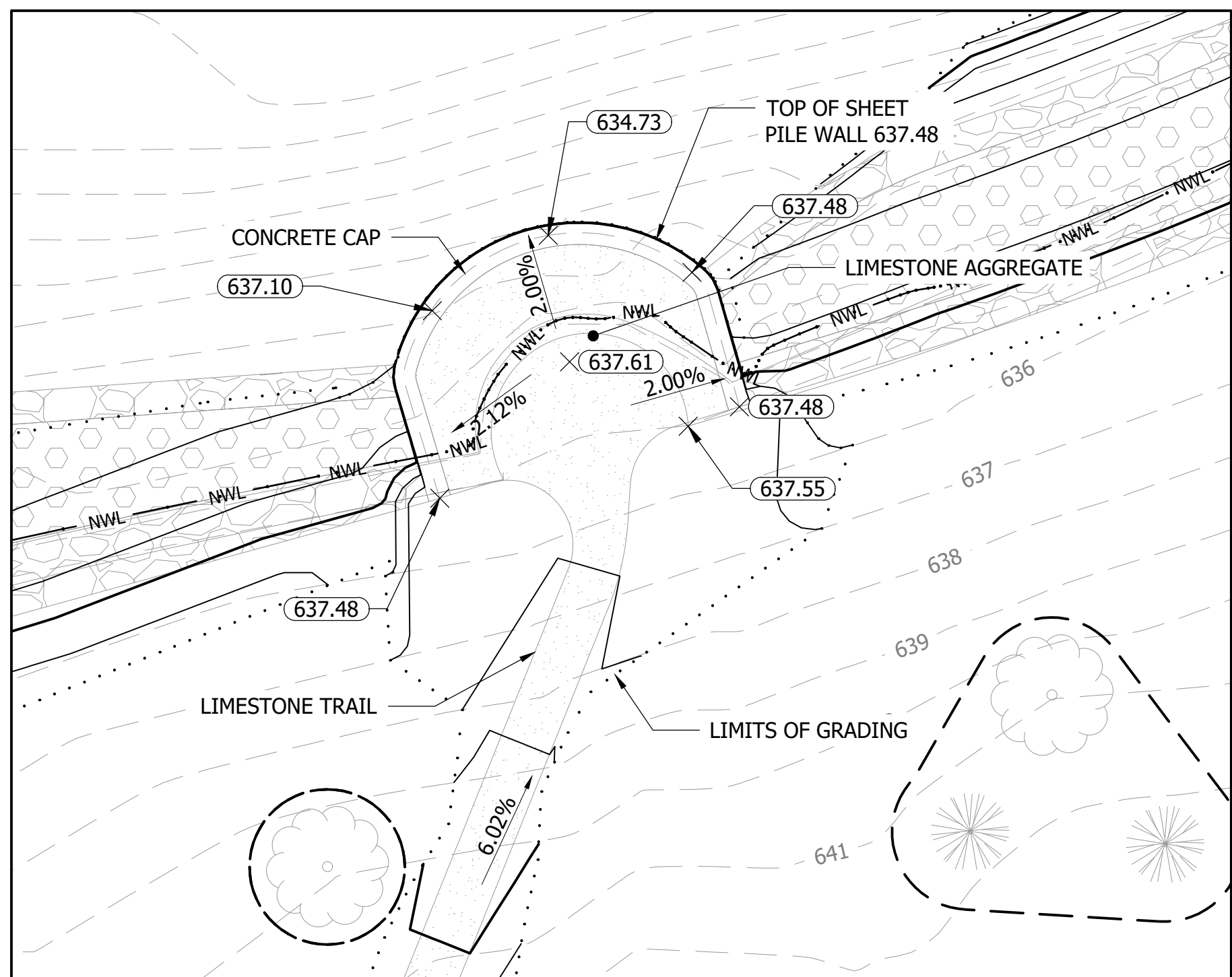
NO	REVISION	DATE

SURVEY WJF  
 DRAWN KG, XXX  
 DESIGNED XXX  
 CHECKED XXX  
 APPROVED XXX  
 PROJ. NO. 173420083

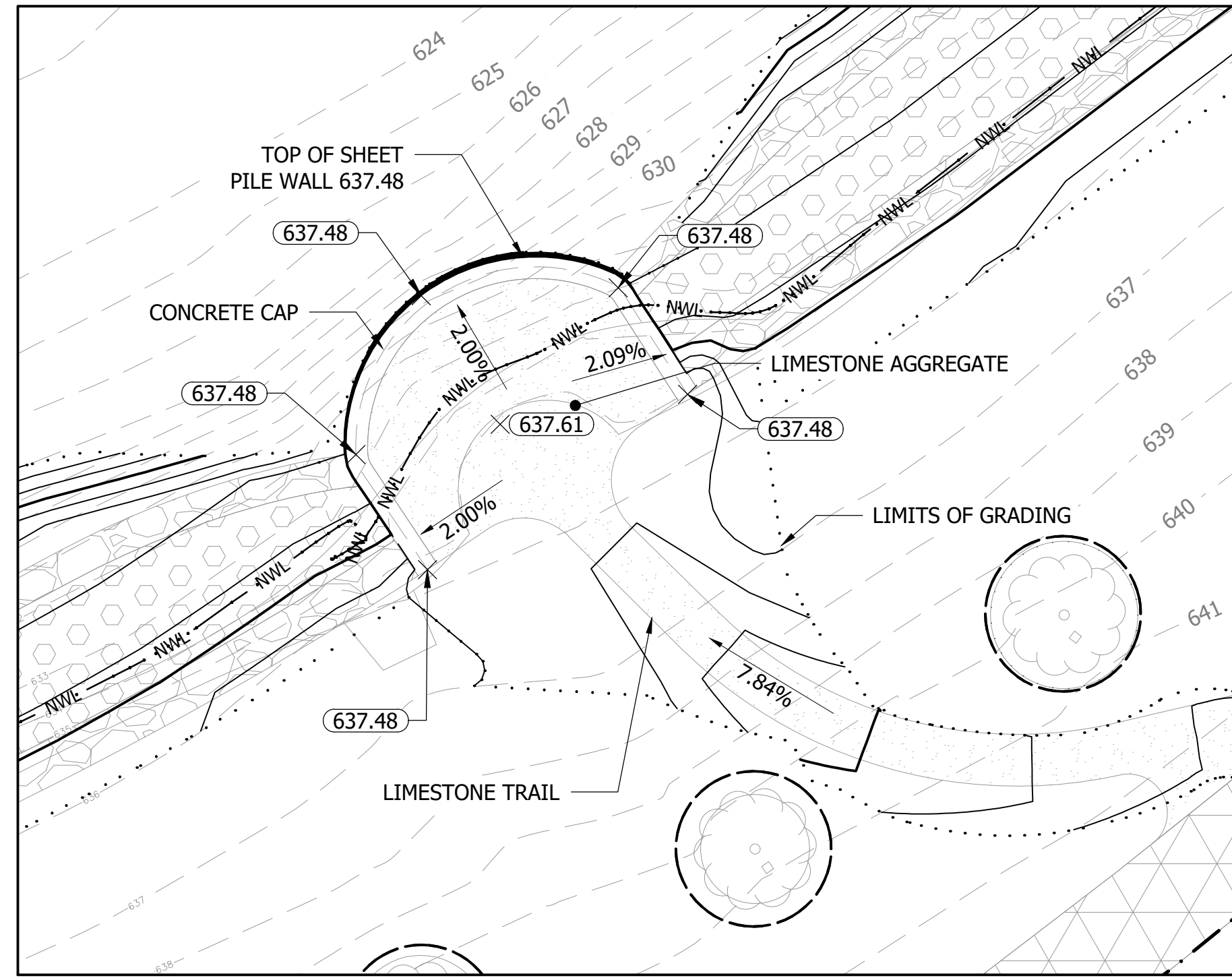
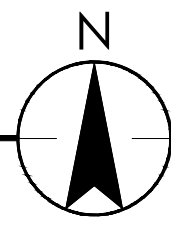
SHEET NUMBER  
C3.08

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

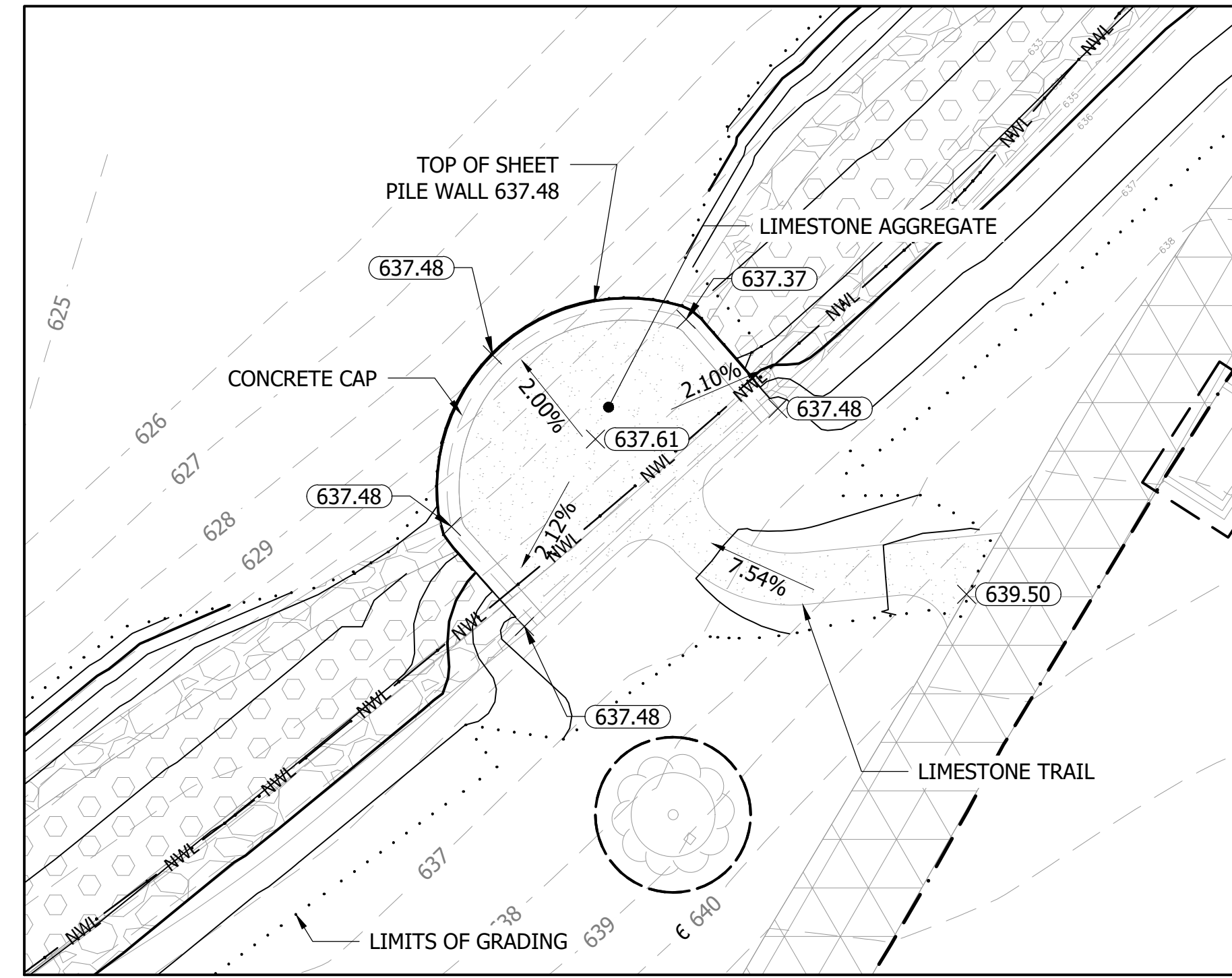
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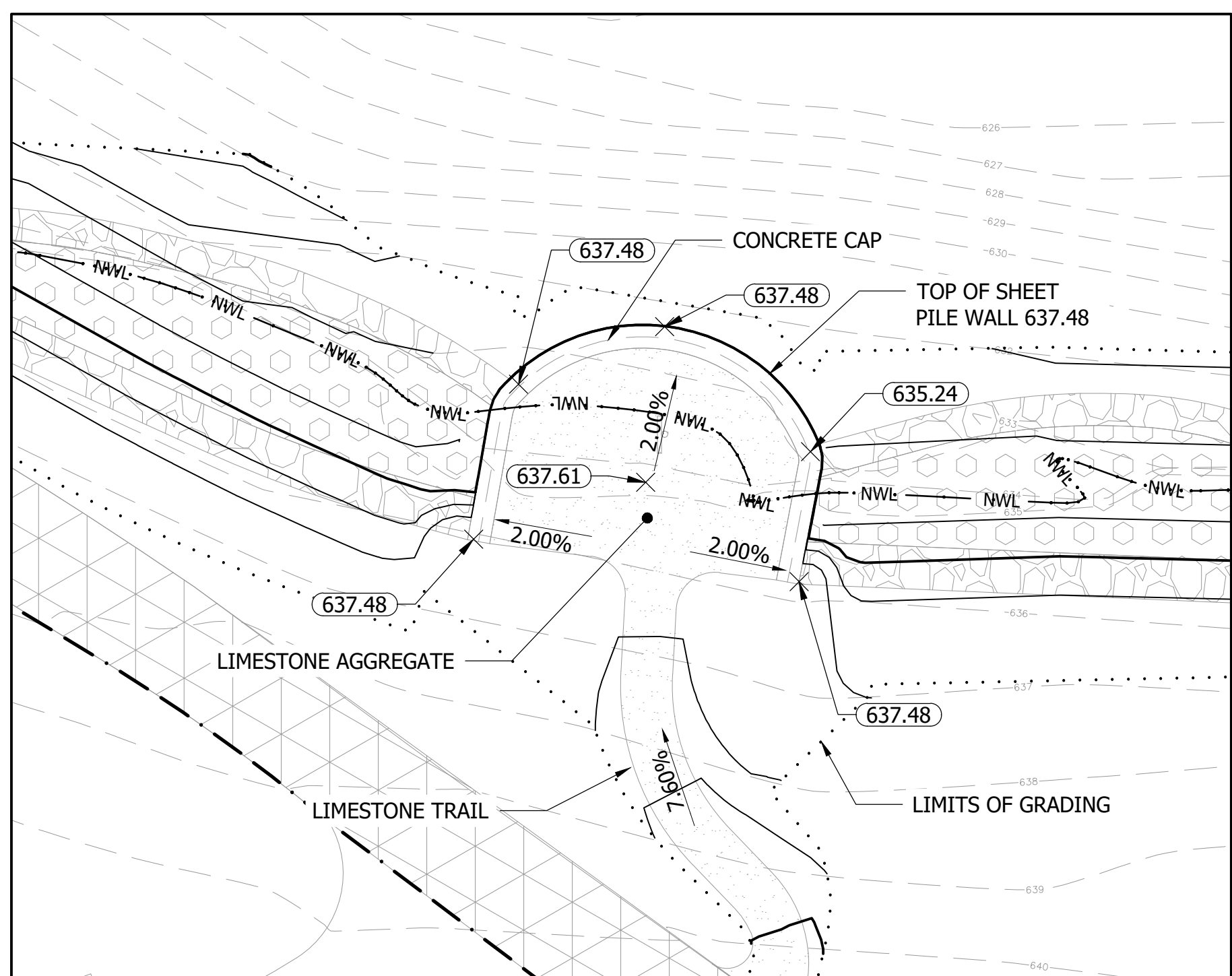
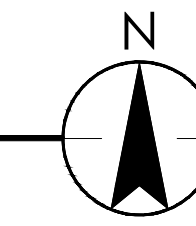
**A** FISHING ACCESS NODE A  
 1" = 10'



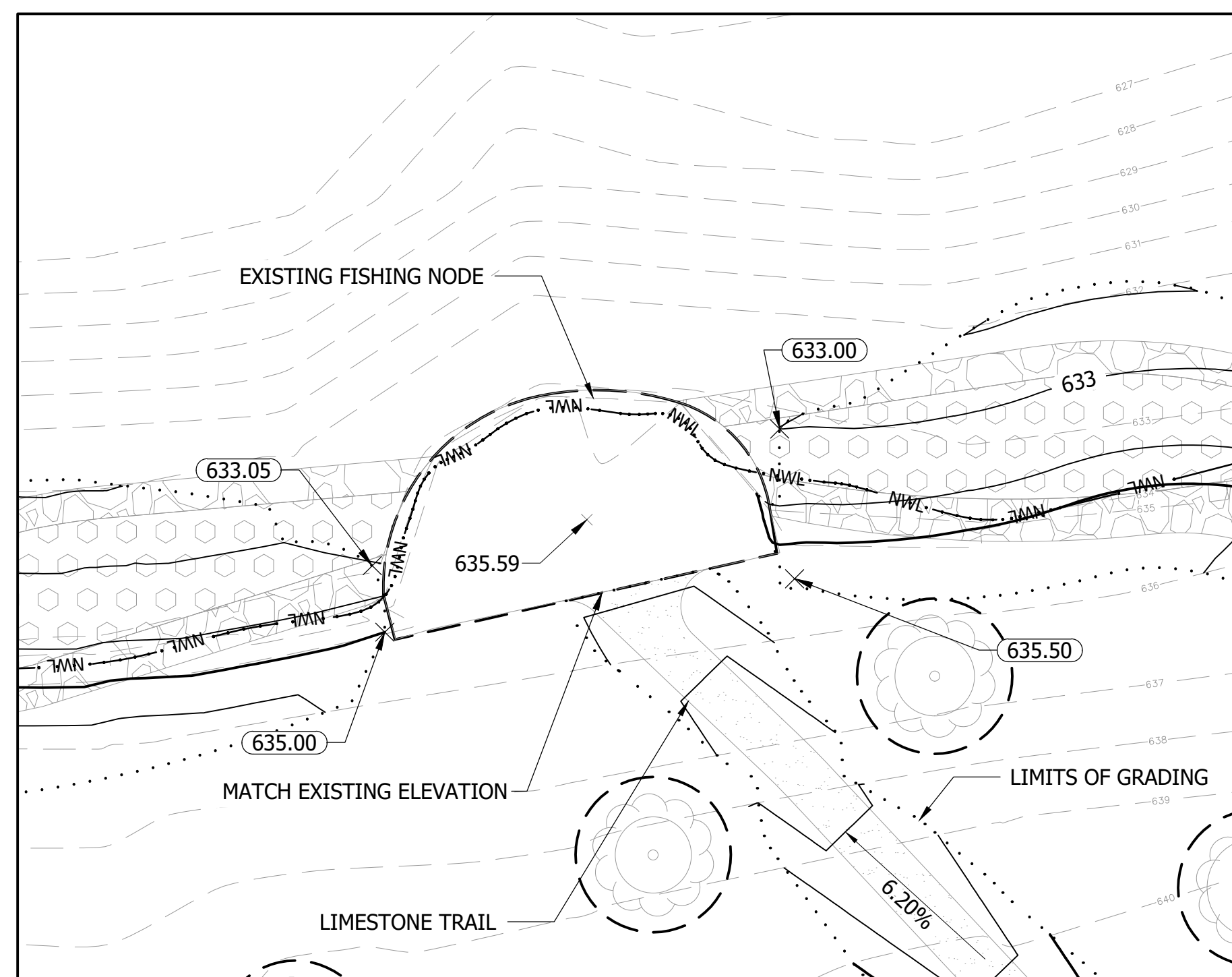
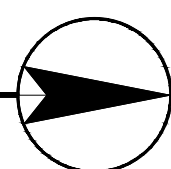
**B** FISHING ACCESS NODE B  
 1" = 10'



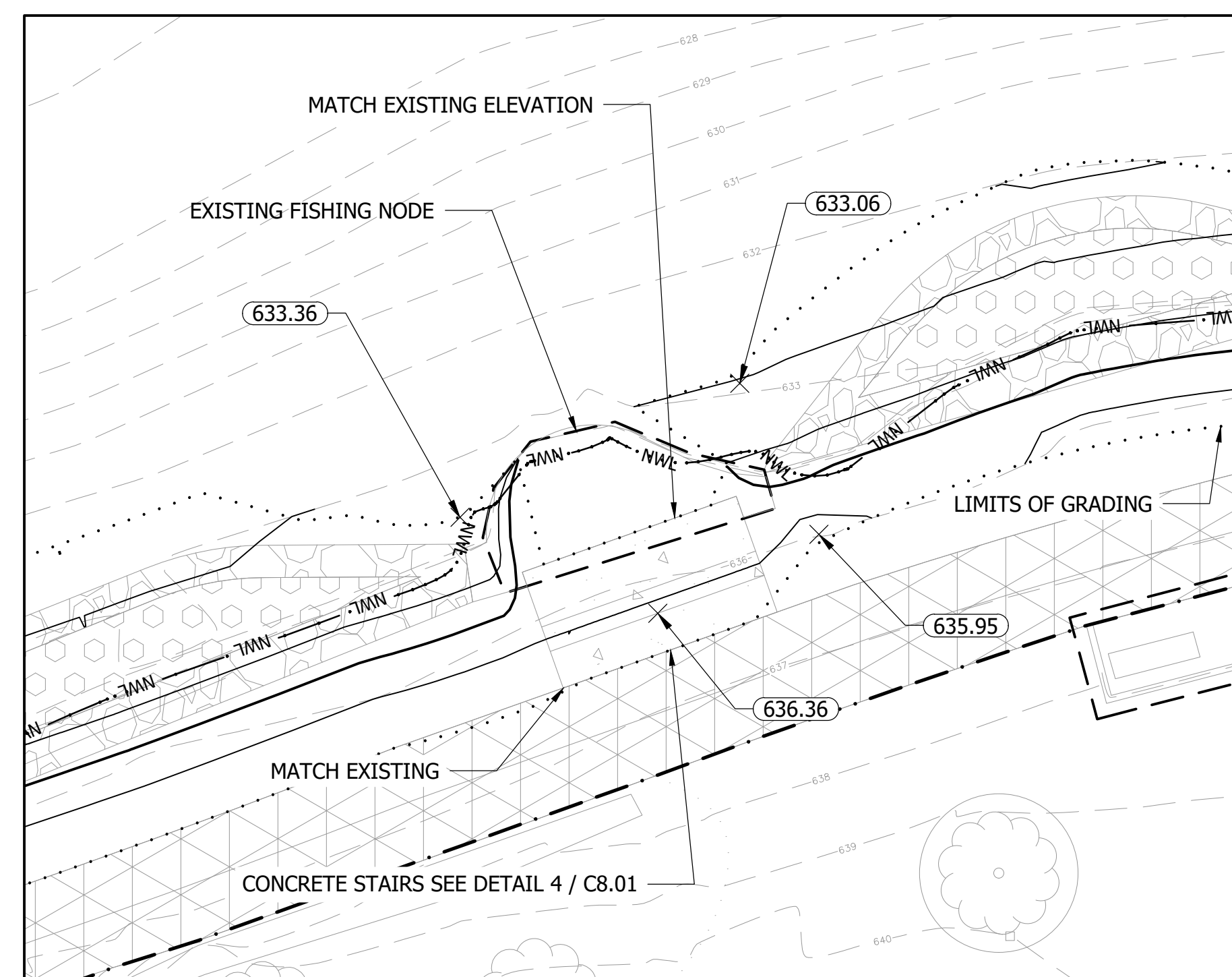
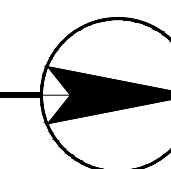
**C** FISHING ACCESS NODE C  
 1" = 10'



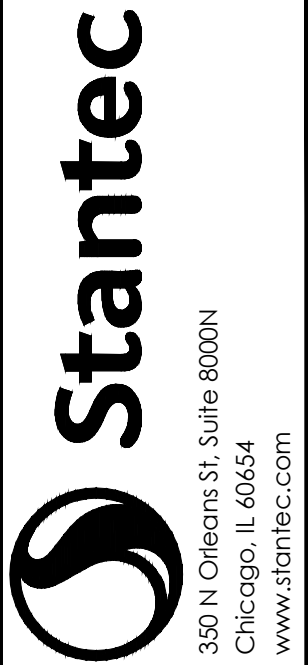
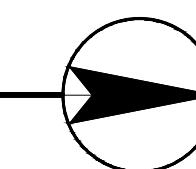
**D** FISHING ACCESS NODE D  
 1" = 10'



**E** EXISTING FISHING ACCESS NODE E  
 1" = 10'



**F** EXISTING FISHING ACCESS NODE F  
 1" = 10'



ISSUED FOR  
 CONSTRUCTION  
 SUBJECT TO ADDENDA

GRADING ENLARGEMENT PLAN  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

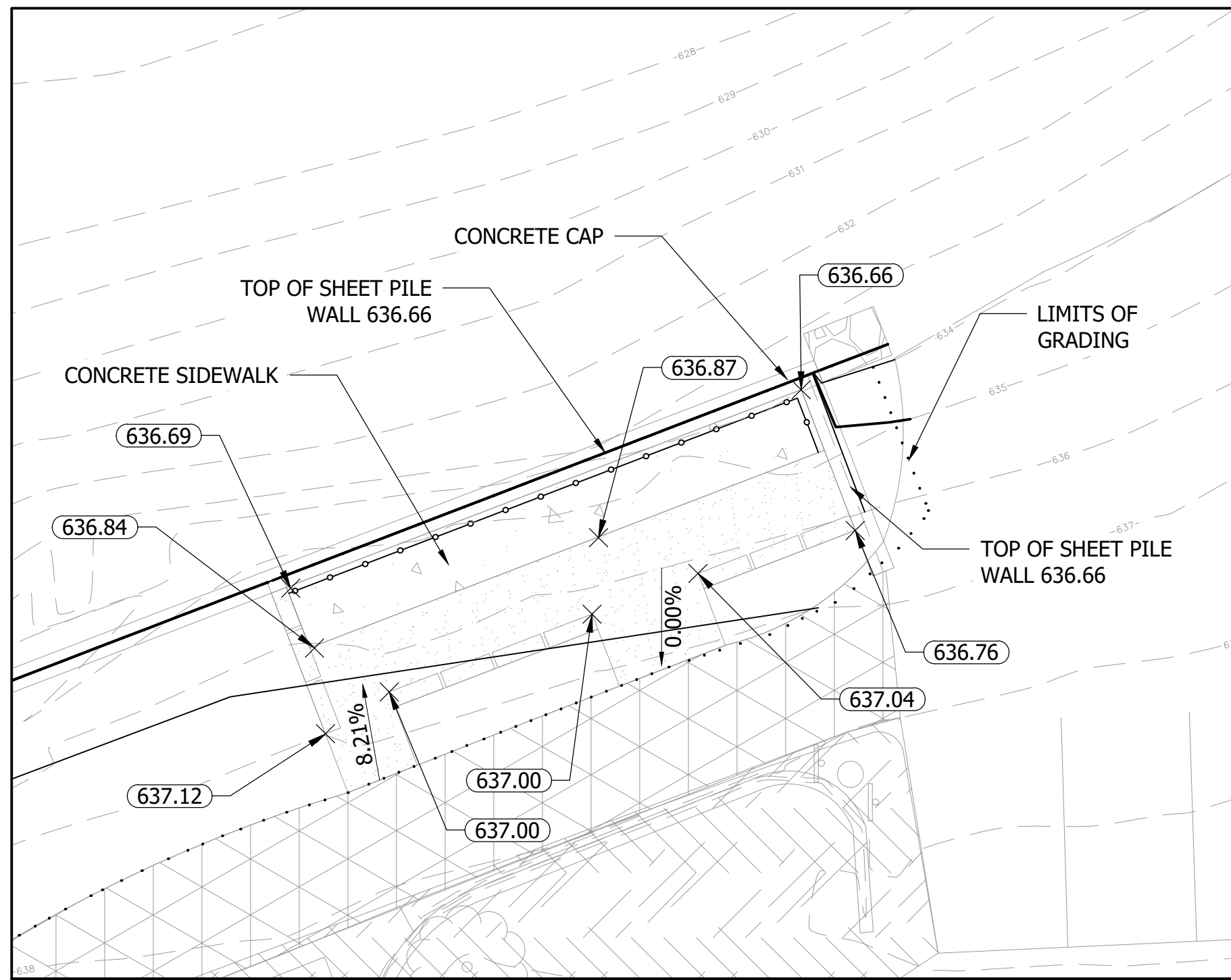
DATE OF ISSUANCE  
 January 8, 2024

NO REVISION DATE

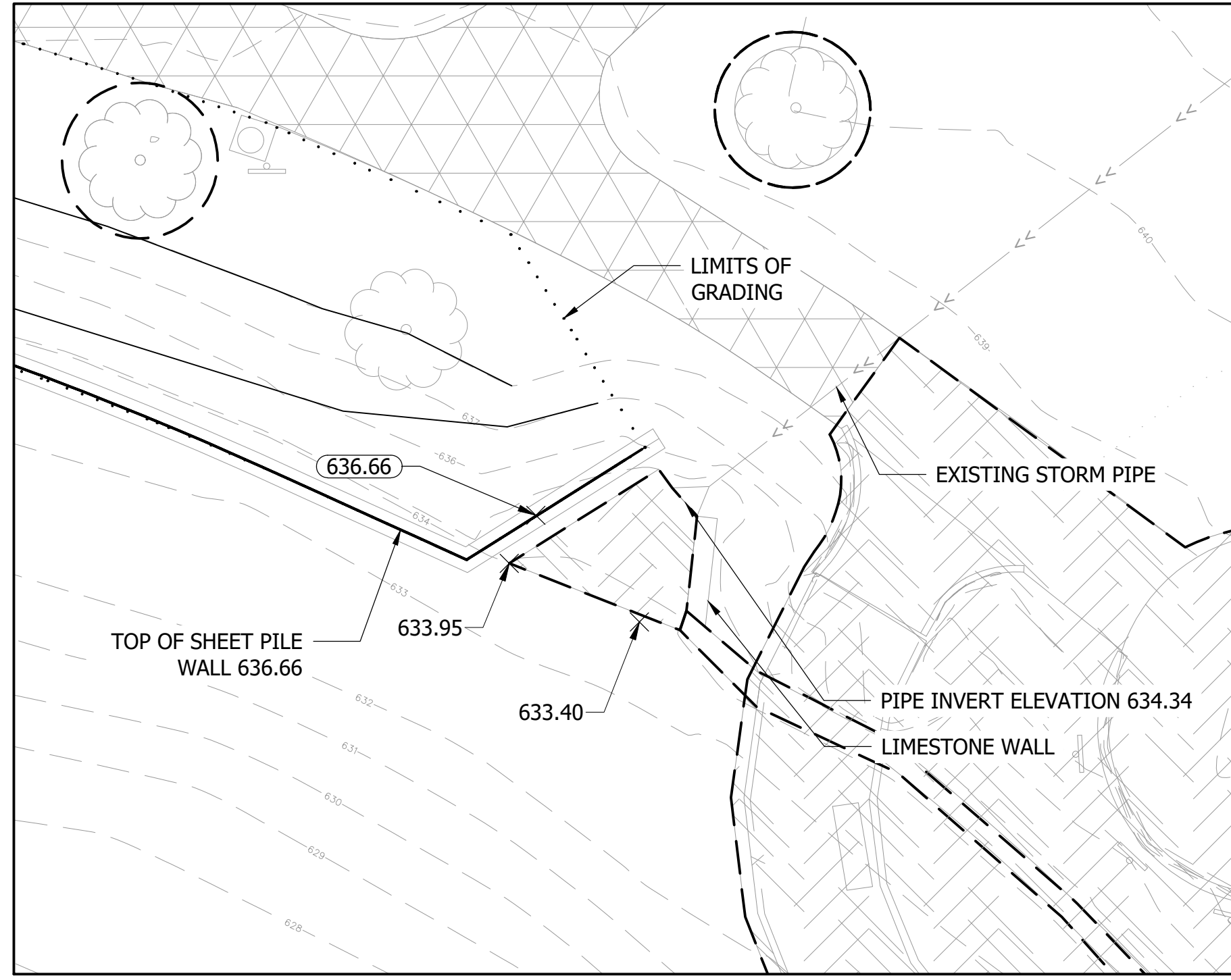
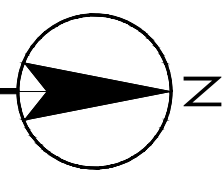
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

SHEET NUMBER  
**C3.09**

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.



**A** FISHING PLAZA  
1" = 10'



**B** EXISTING PIPE OUTFALL  
1" = 10'



Plot Date: 01/03/2024 - 5:12pm  
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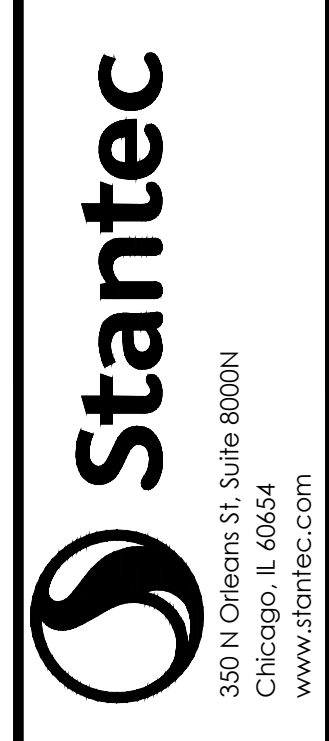
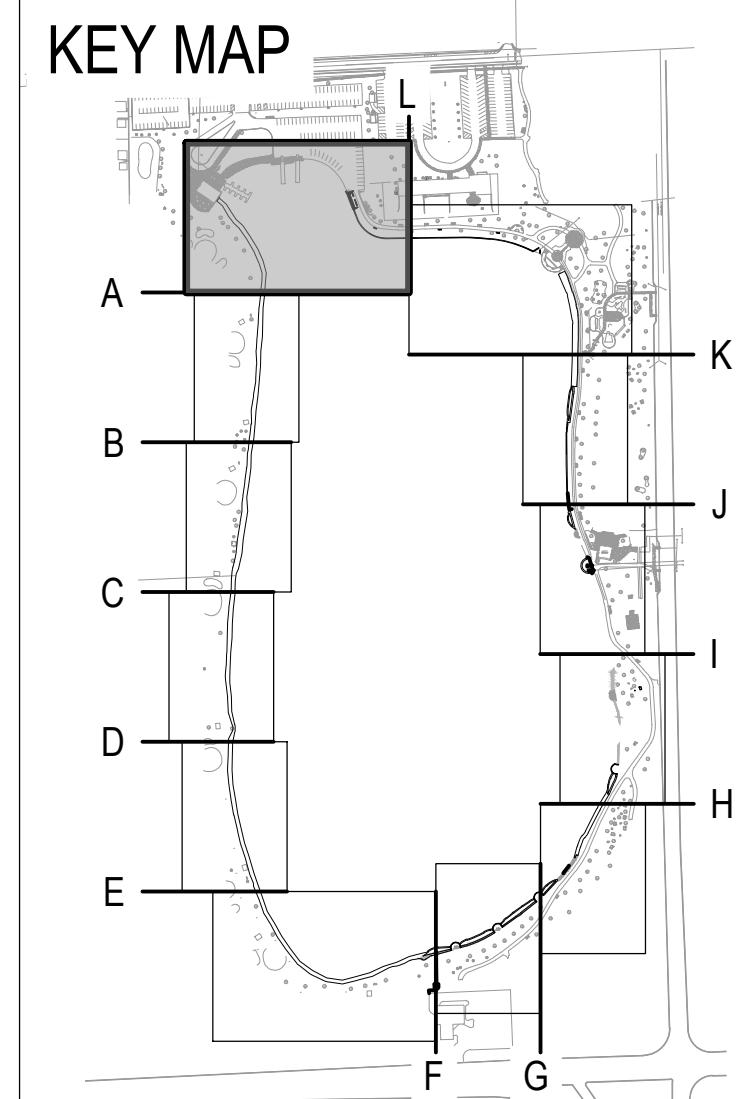
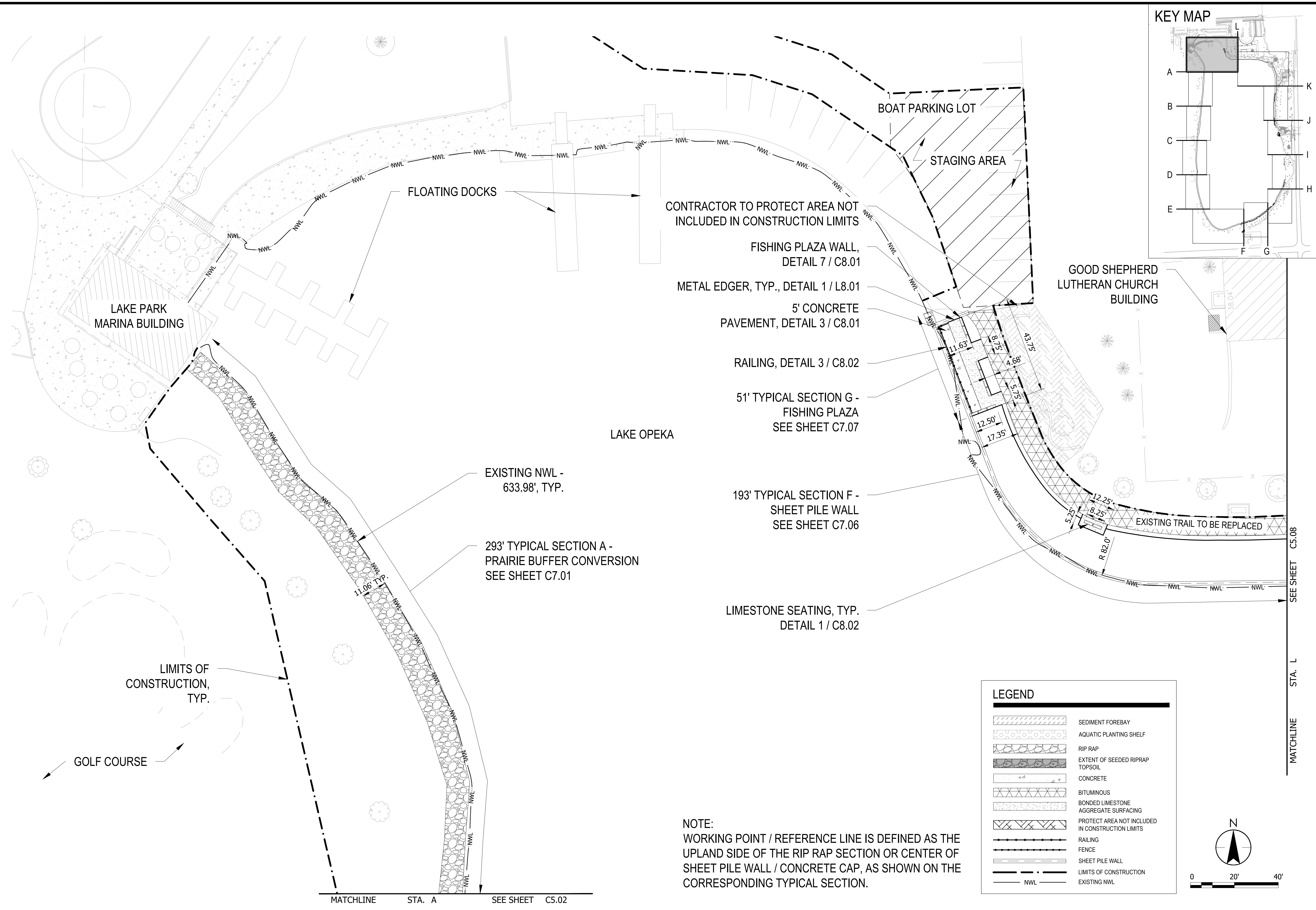
NO	REVISION	DATE

SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN



THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:14pm  
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**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

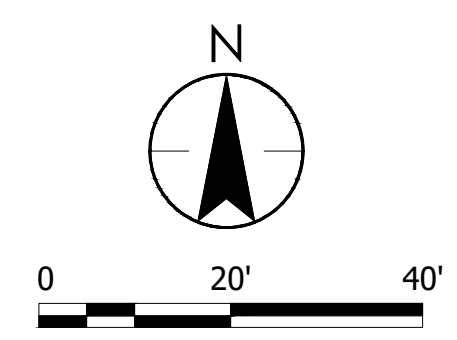
**SITE PLAN**  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO. REVISION	DATE
SURVEY	WT
DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083

SHEET NUMBER  
**C5.01**

**LEGEND**

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP
	TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



**NOTE:**  
WORKING POINT / REFERENCE LINE IS DEFINED AS THE UPLAND SIDE OF THE RIP RAP SECTION OR CENTER OF SHEET PILE WALL / CONCRETE CAP, AS SHOWN ON THE CORRESPONDING TYPICAL SECTION.

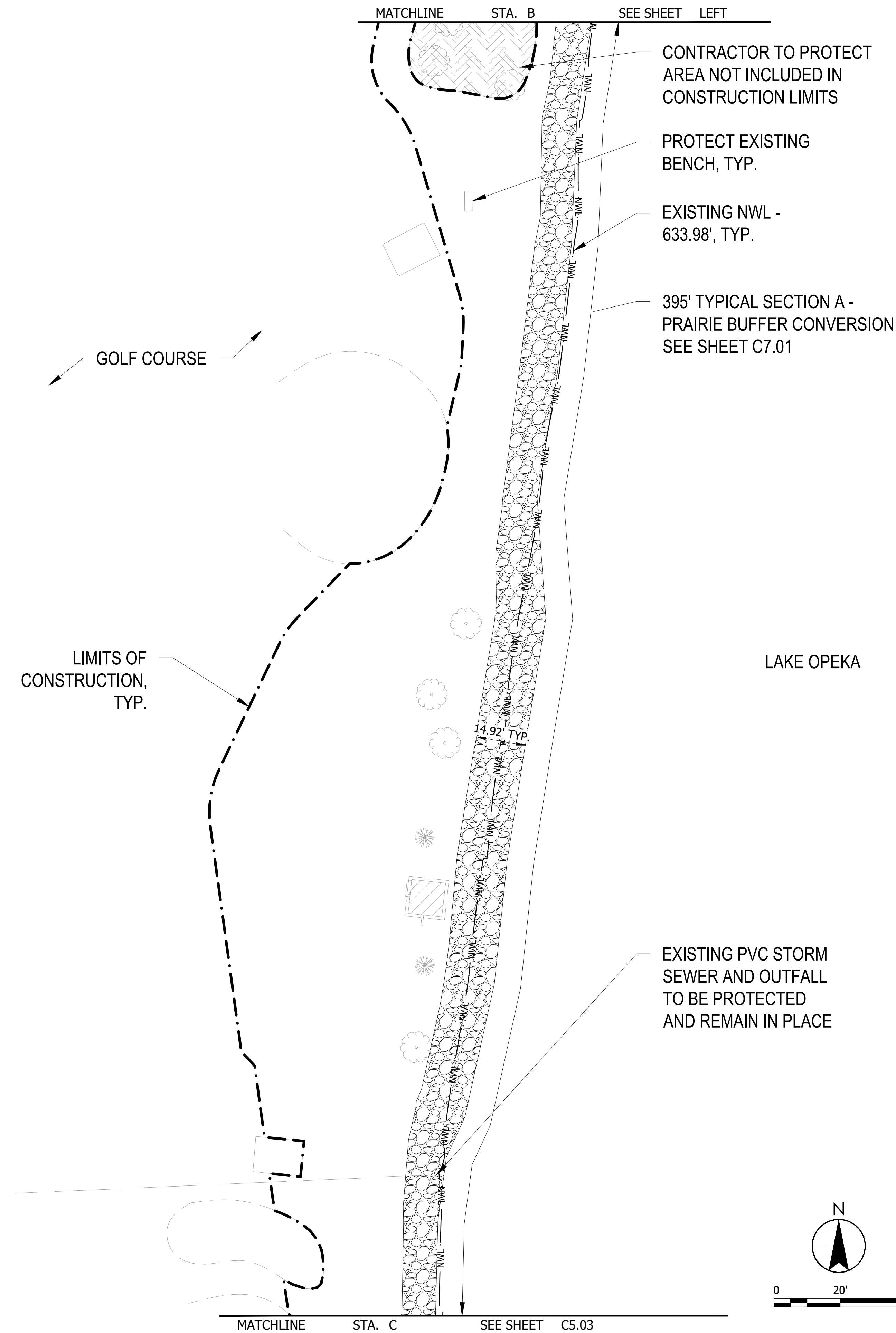
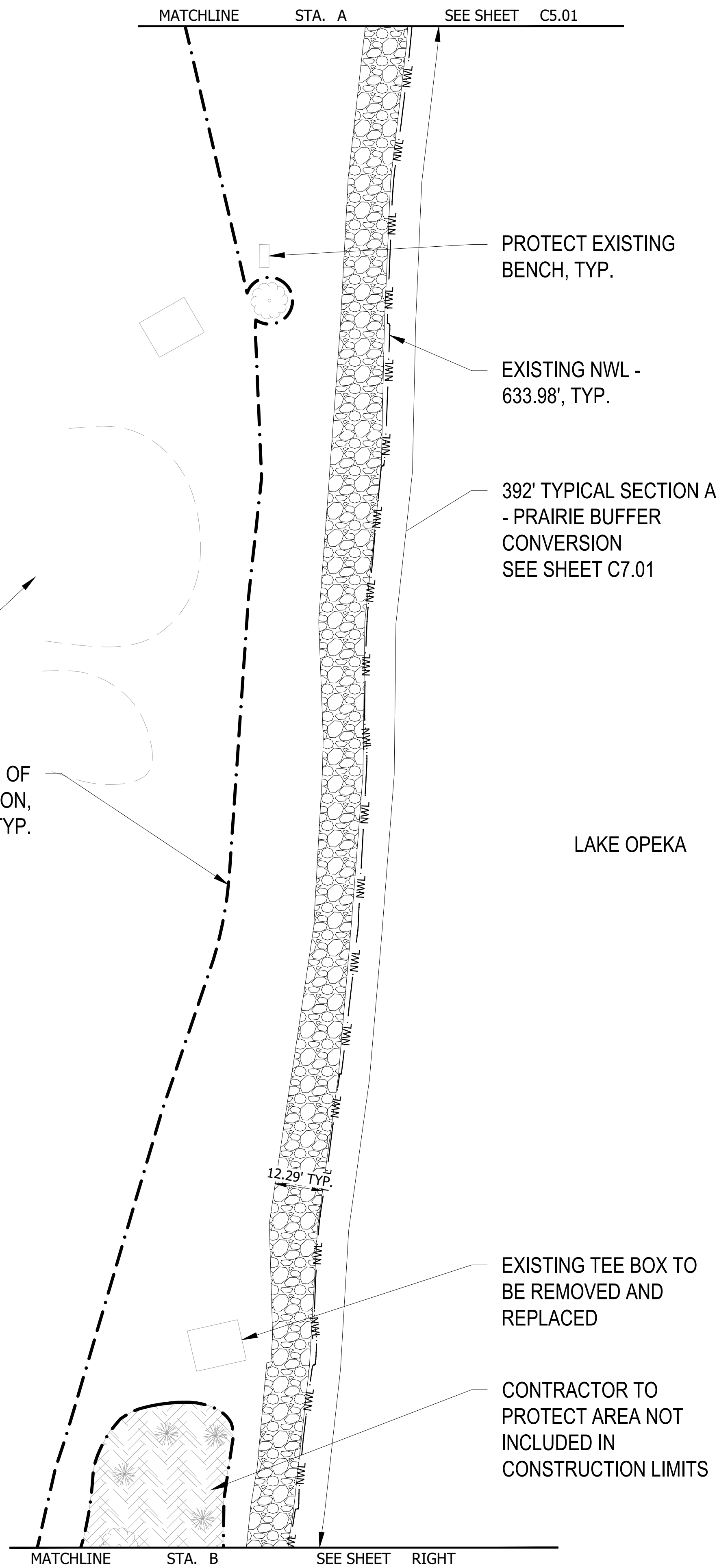
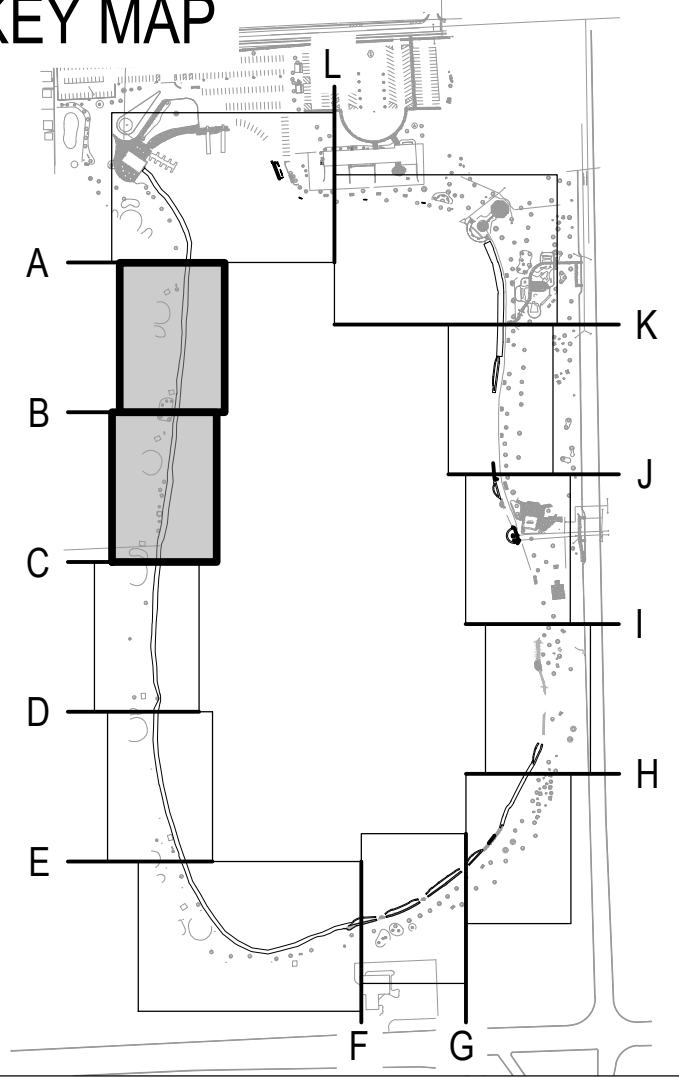
MATCHLINE STA. L SEE SHEET C5.08

MATCHLINE STA. A SEE SHEET C5.02

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. STANTEC SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS MADE BY THE CONTRACTOR OR FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC'S FORFEITURE.

Plot Date: 01/03/2024 - 5:16pm  
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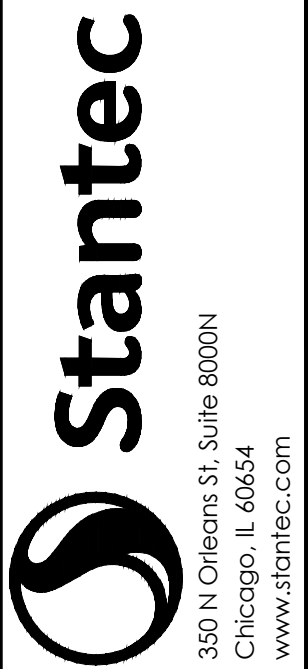
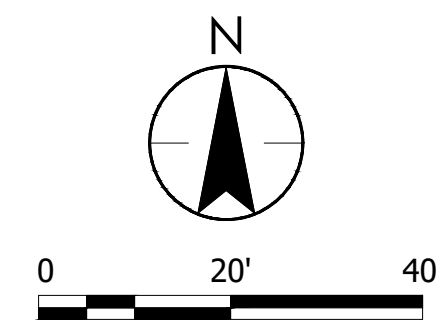
**KEY MAP**



**NOTE:**  
 WORKING POINT / REFERENCE LINE IS DEFINED AS THE UPLAND SIDE OF THE RIP RAP SECTION OR CENTER OF SHEET PILE WALL / CONCRETE CAP, AS SHOWN ON THE CORRESPONDING TYPICAL SECTION.

**LEGEND**

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

**SITE PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO. / REVISION	DATE
SURVEY	WT
DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083

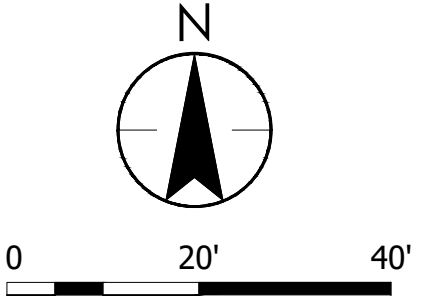
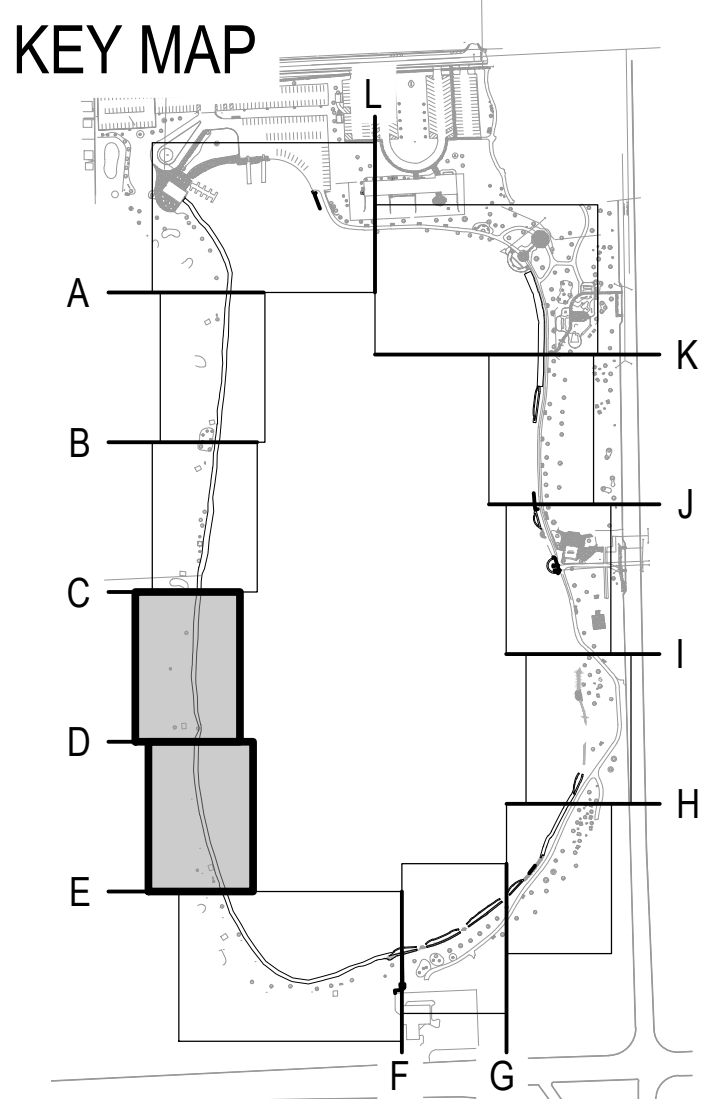
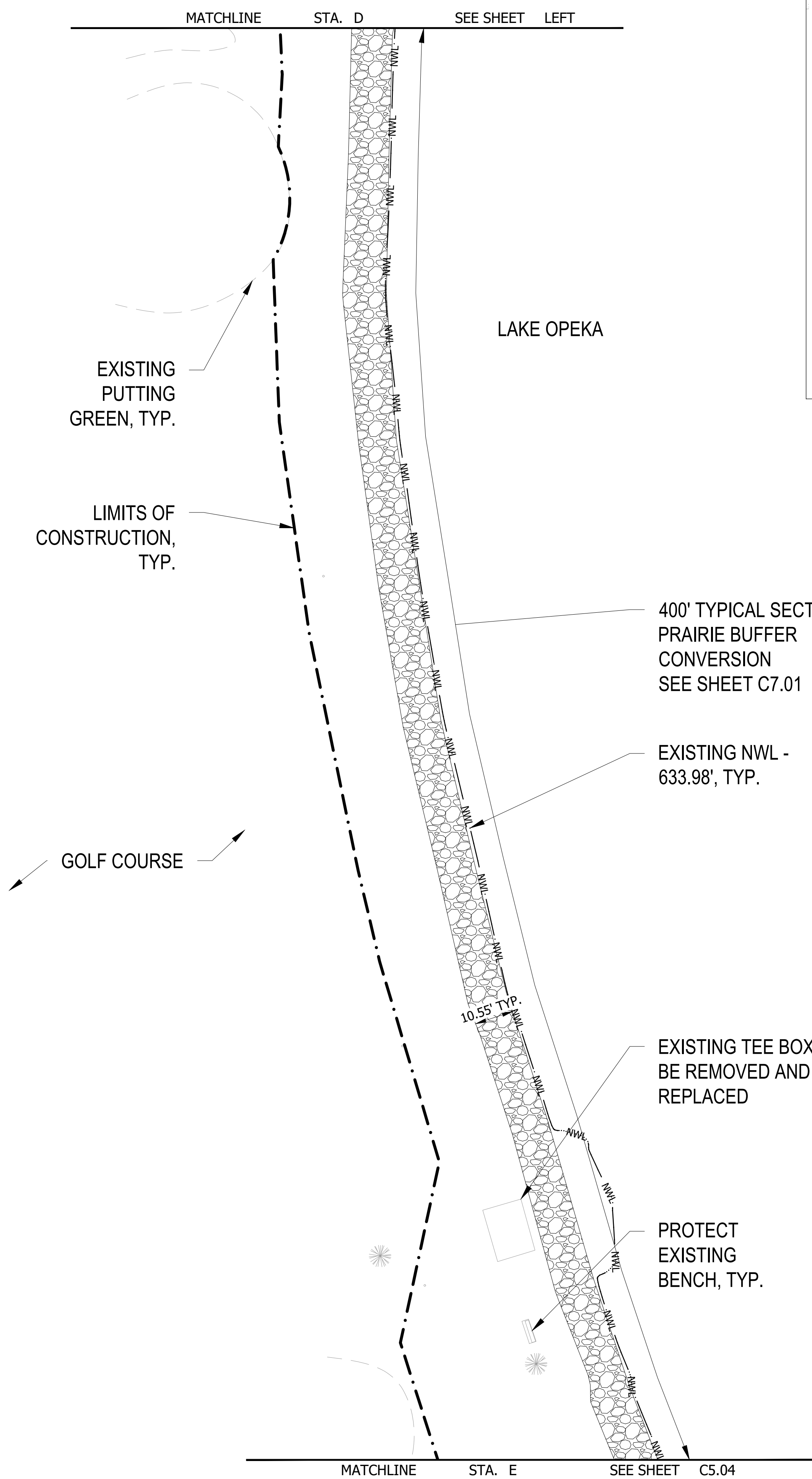
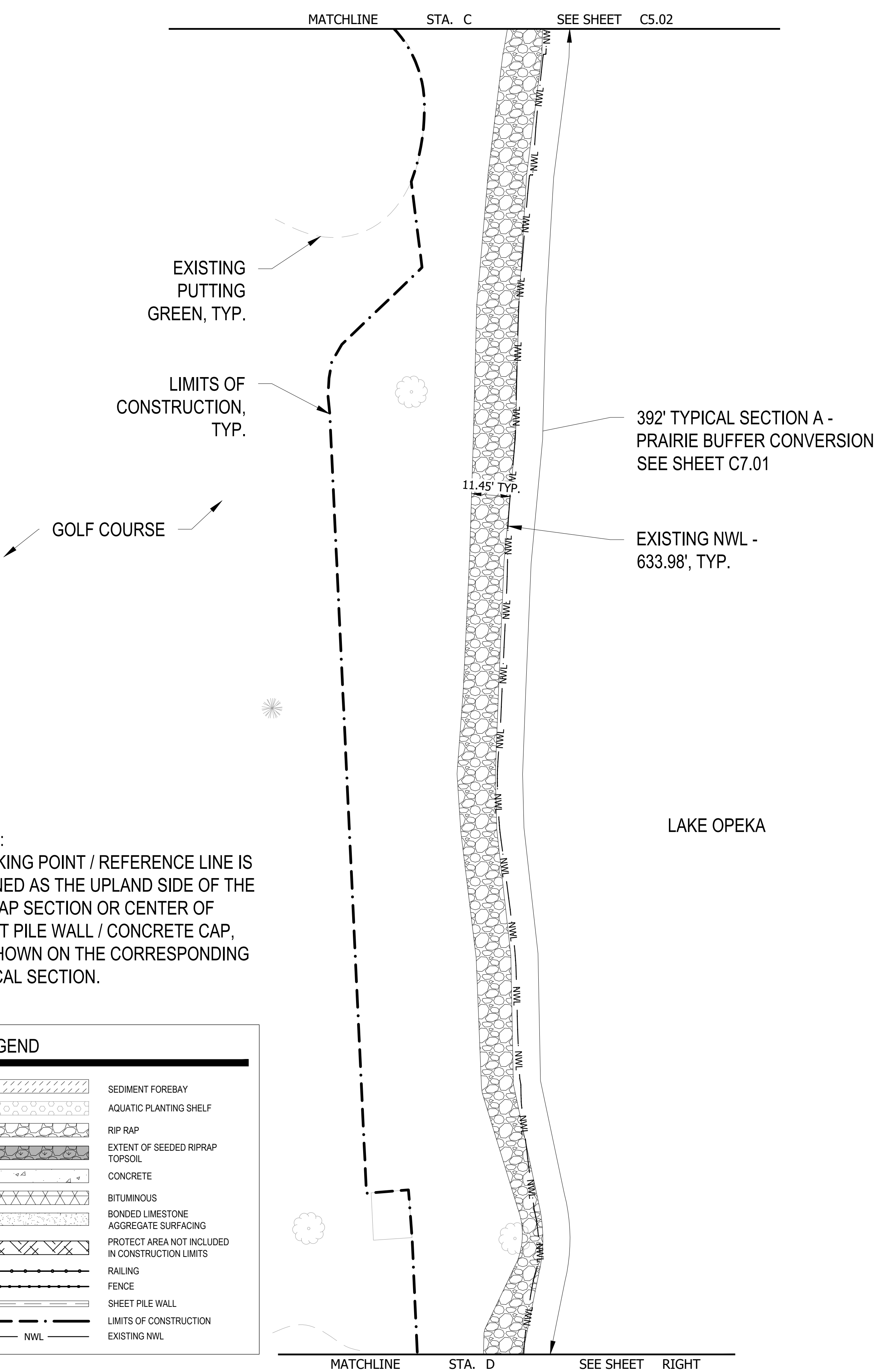
SHEET NUMBER  
**C5.02**

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. STANTEC SHALL BE RESPONSIBLE FOR ANY DIMENSIONAL DISCREPANCIES. NO REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:18pm  
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User: B-3422-AREA-173420083.X321.173420083.Windows.173420083.AMNO.173420083.X321.173420083.X321

LEGEND	
	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL

**NOTE:**  
WORKING POINT / REFERENCE LINE IS DEFINED AS THE UPLAND SIDE OF THE RIP RAP SECTION OR CENTER OF SHEET PILE WALL / CONCRETE CAP, AS SHOWN ON THE CORRESPONDING TYPICAL SECTION.

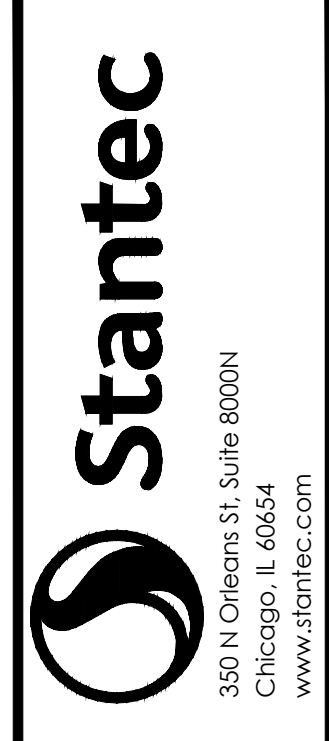
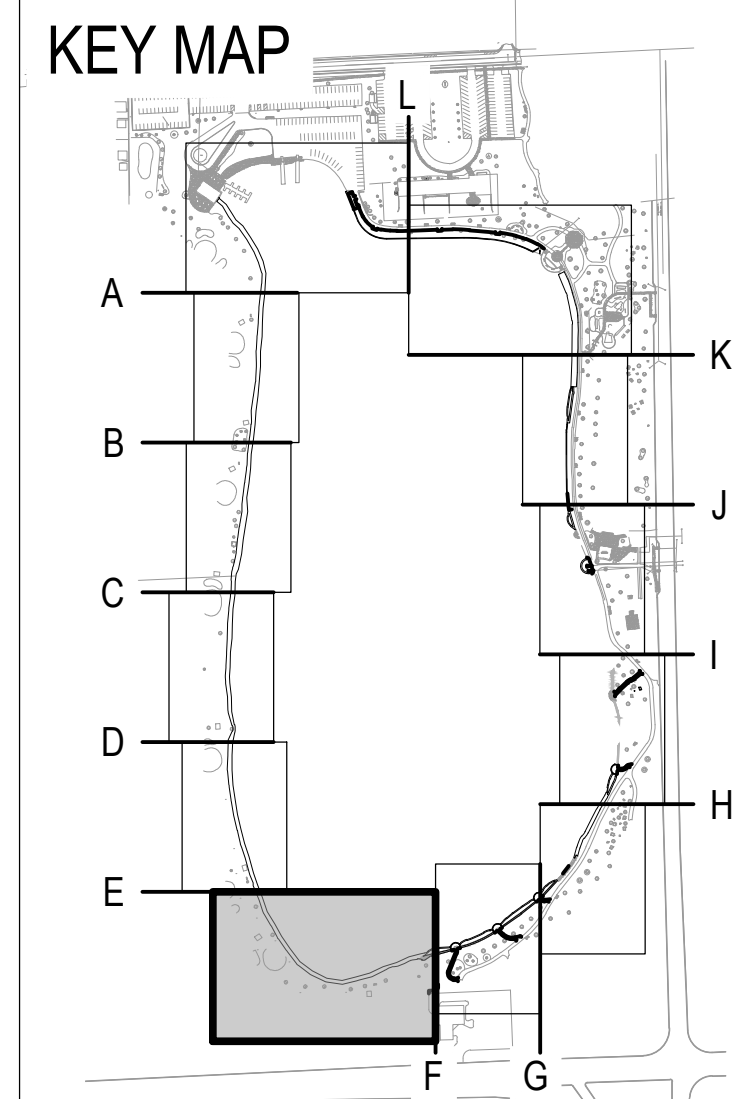


DATE OF ISSUANCE		
January 8, 2024		
NO	REVISION	DATE
SURVEY	WT	
DRAWN	RB	
DESIGNED	AK	
CHECKED	SM	
APPROVED	TN	
PROJ. NO.	173420083	
SHEET NUMBER	<b>C5.03</b>	

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:19pm  
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MATCHLINE STA. E SEE SHEET C5.03



ISSUED FOR CONSTRUCTION SUBJECT TO ADDENDA

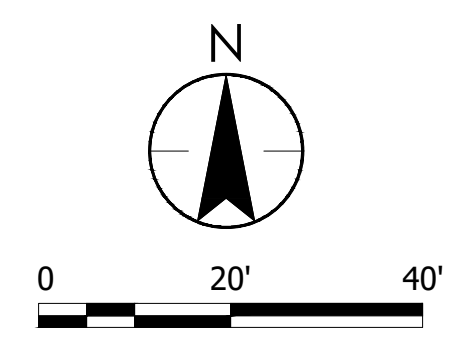
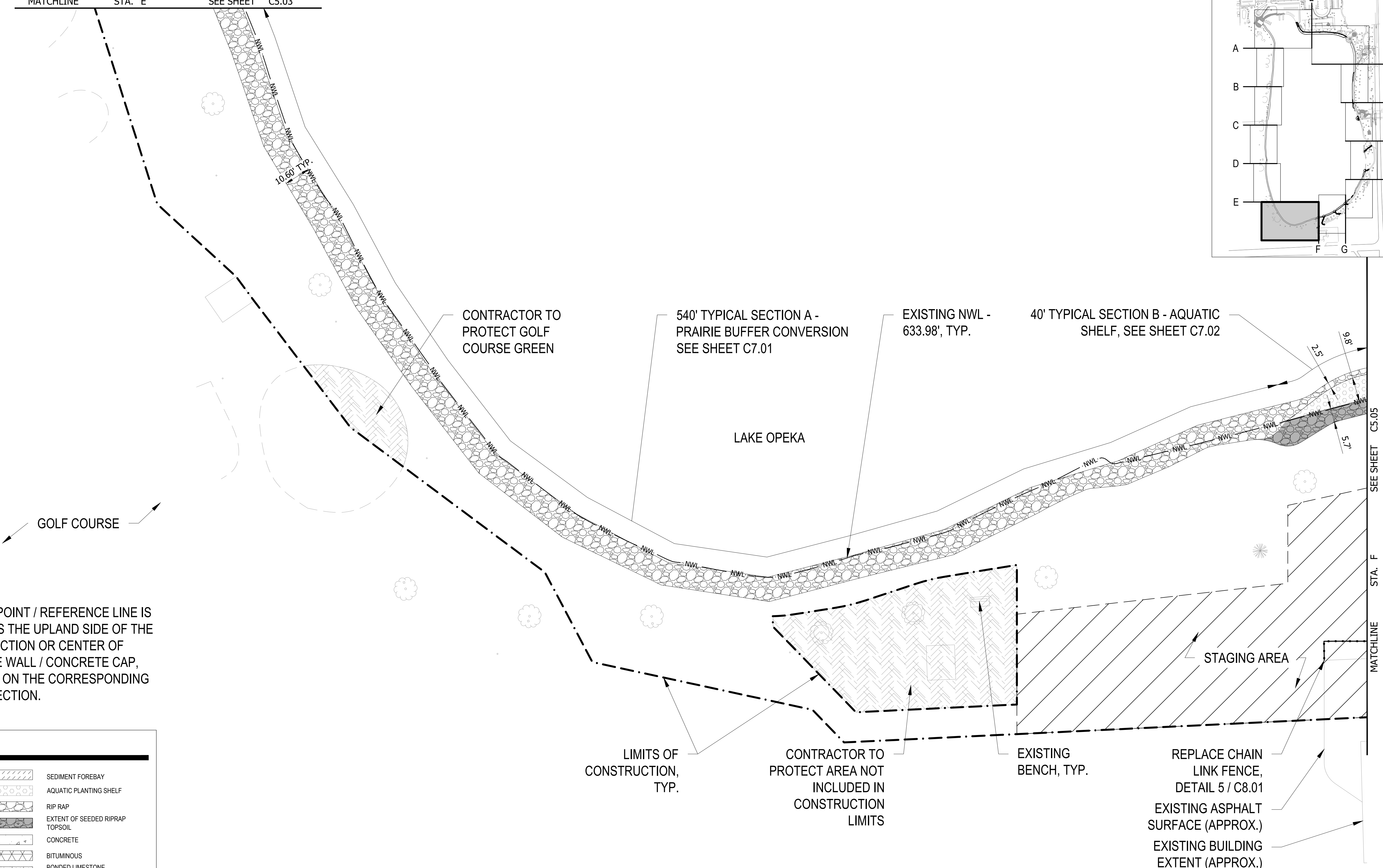
SITE PLAN  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO. / REVISION	DATE
SURVEY	WT
DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	C5.04

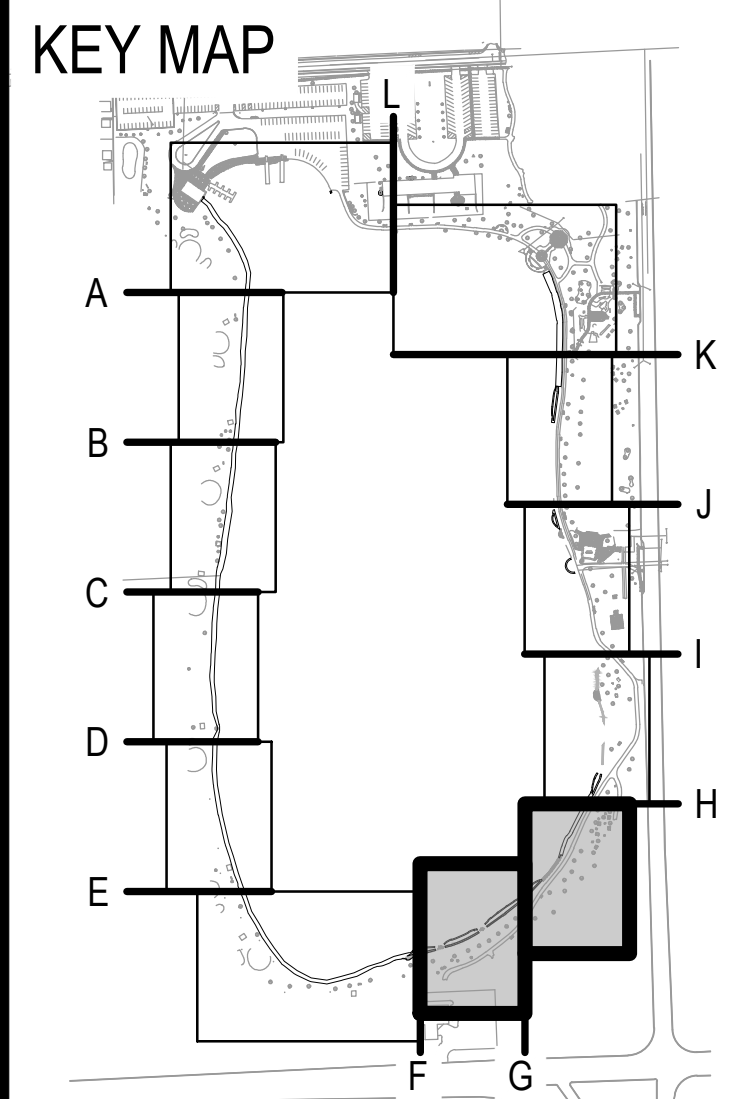
NOTE:  
 WORKING POINT / REFERENCE LINE IS DEFINED AS THE UPLAND SIDE OF THE RIP RAP SECTION OR CENTER OF SHEET PILE WALL / CONCRETE CAP, AS SHOWN ON THE CORRESPONDING TYPICAL SECTION.

**LEGEND**

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



Plot Date: 01/03/2024 - 5:21pm  
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TYPICAL SECTION D - FISHING ACCESS NODE, SEE SHEET C7.04  
 111' TYPICAL SECTION B - AQUATIC SHELF, SEE SHEET C7.02  
 EXISTING NWL - 633.98', TYP.  
 TYPICAL SECTION D - FISHING ACCESS NODE SEE SHEET C7.04

38' TYPICAL SECTION B - AQUATIC SHELF SEE SHEET C7.02  
 TYPICAL SECTION D - FISHING ACCESS NODE SEE SHEET C7.04  
 97' TYPICAL SECTION B - AQUATIC SHELF SEE SHEET C7.02

BITUMINOUS TRAIL PAVEMENT DETAIL 1 / C8.01  
 METAL EDGER, TYP., DETAIL 1 / L8.01  
 LIMESTONE AGGREGATE SURFACING, TYP. DETAIL 2 / C8.01  
 REPLACE CHAIN LINK FENCE DETAIL 5 / C8.01

LAKE OPEKA

SEE SHEET RIGHT  
 STA. H  
 MATCHLINE

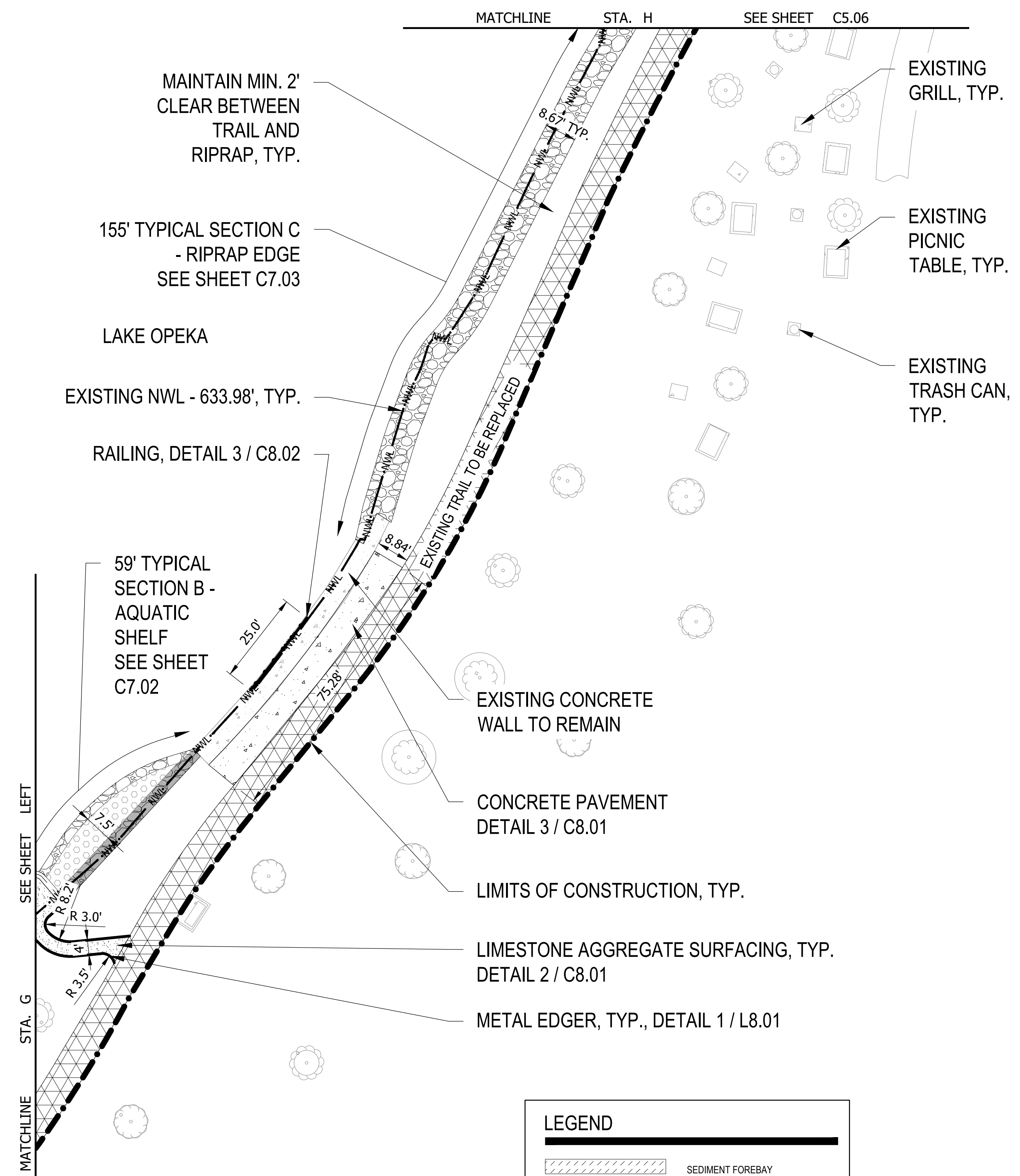
STA. G  
 MATCHLINE

LIMITS OF CONSTRUCTION, TYP.

NEW LIMESTONE TRAIL TO FISHING ACCESS NODE, TYP.

EXISTING TRAIL TO BE REPLACED

EXISTING BENCH, TYP.



MAINTAIN MIN. 2' CLEAR BETWEEN TRAIL AND RIPRAP, TYP.

155' TYPICAL SECTION C - RIPRAP EDGE SEE SHEET C7.03

LAKE OPEKA  
 EXISTING NWL - 633.98', TYP.  
 RAILING, DETAIL 3 / C8.02

59' TYPICAL SECTION B - AQUATIC SHELF SEE SHEET C7.02

EXISTING CONCRETE WALL TO REMAIN

CONCRETE PAVEMENT DETAIL 3 / C8.01

LIMITS OF CONSTRUCTION, TYP.

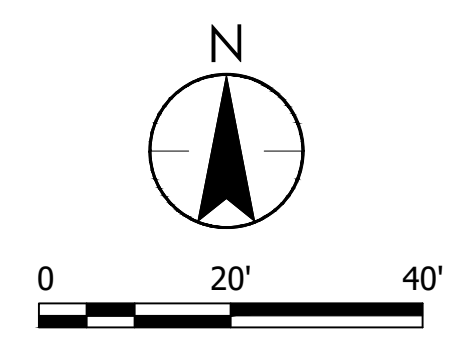
LIMESTONE AGGREGATE SURFACING, TYP. DETAIL 2 / C8.01

METAL EDGER, TYP., DETAIL 1 / L8.01

NOTE: WORKING POINT / REFERENCE LINE IS DEFINED AS THE UPLAND SIDE OF THE RIP RAP SECTION OR CENTER OF SHEET PILE WALL / CONCRETE CAP, AS SHOWN ON THE CORRESPONDING TYPICAL SECTION.

LEGEND

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP TOPSOIL
	CONCRETE
	BITUMINOUS BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



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**ISSUED FOR CONSTRUCTION SUBJECT TO ADDENDA**

**SITE PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO. REVISION	DATE
SURVEY	WT
DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	C5.05

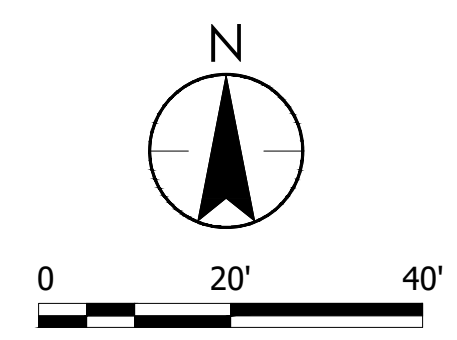
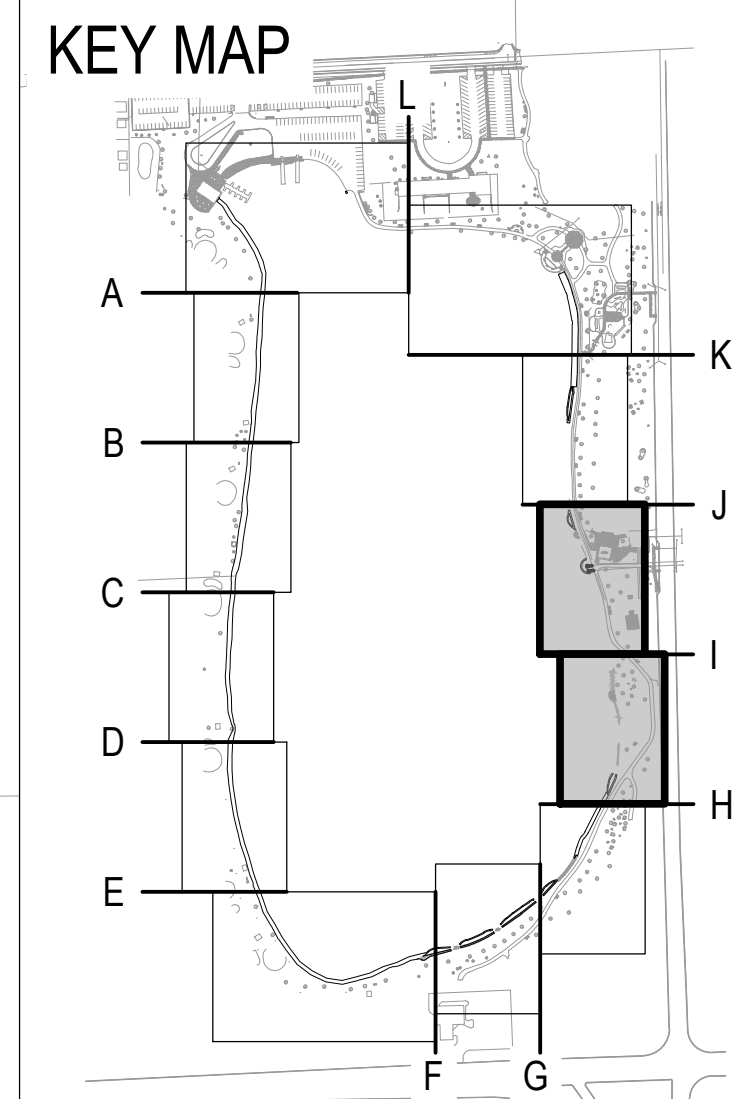
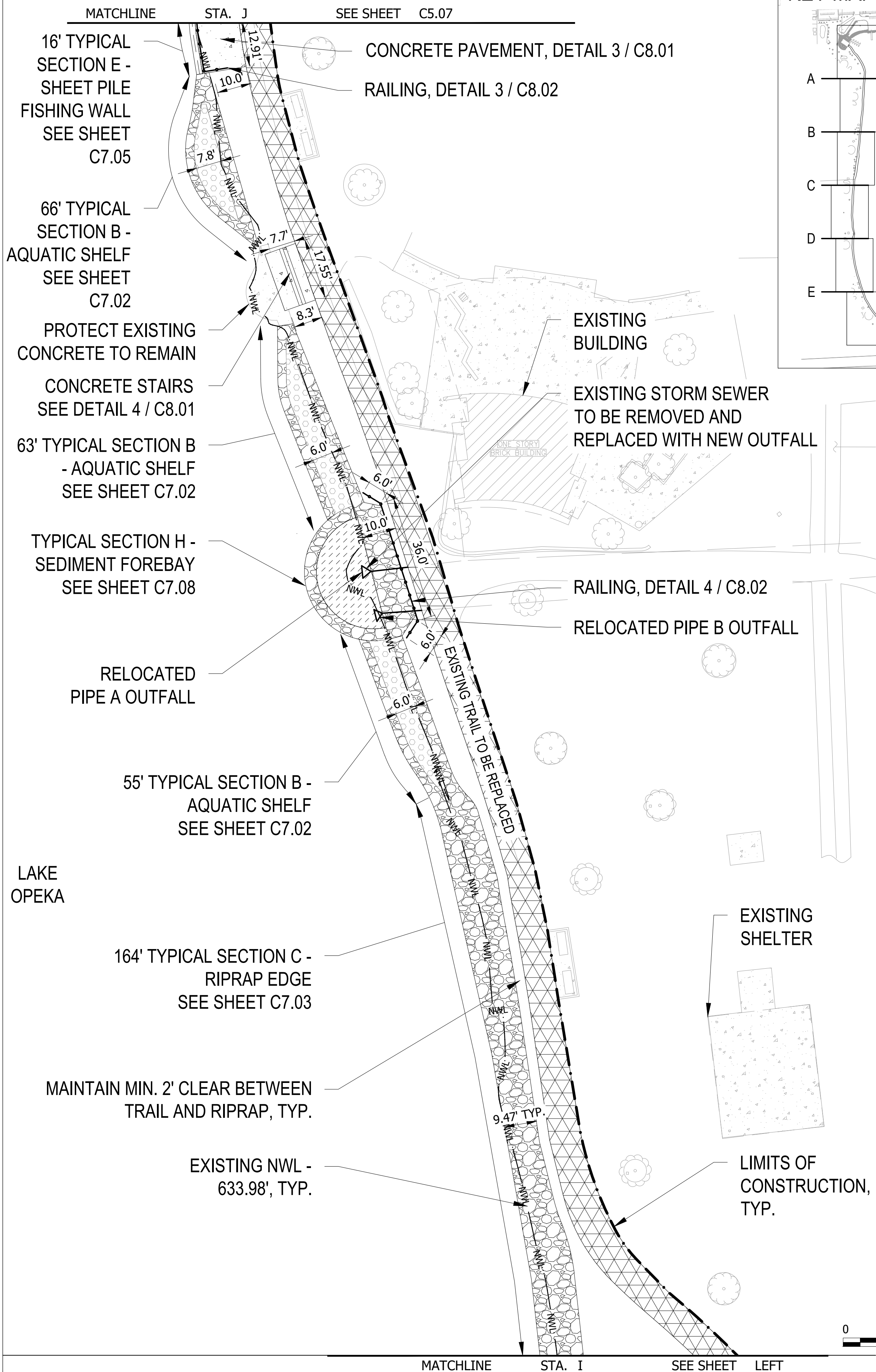
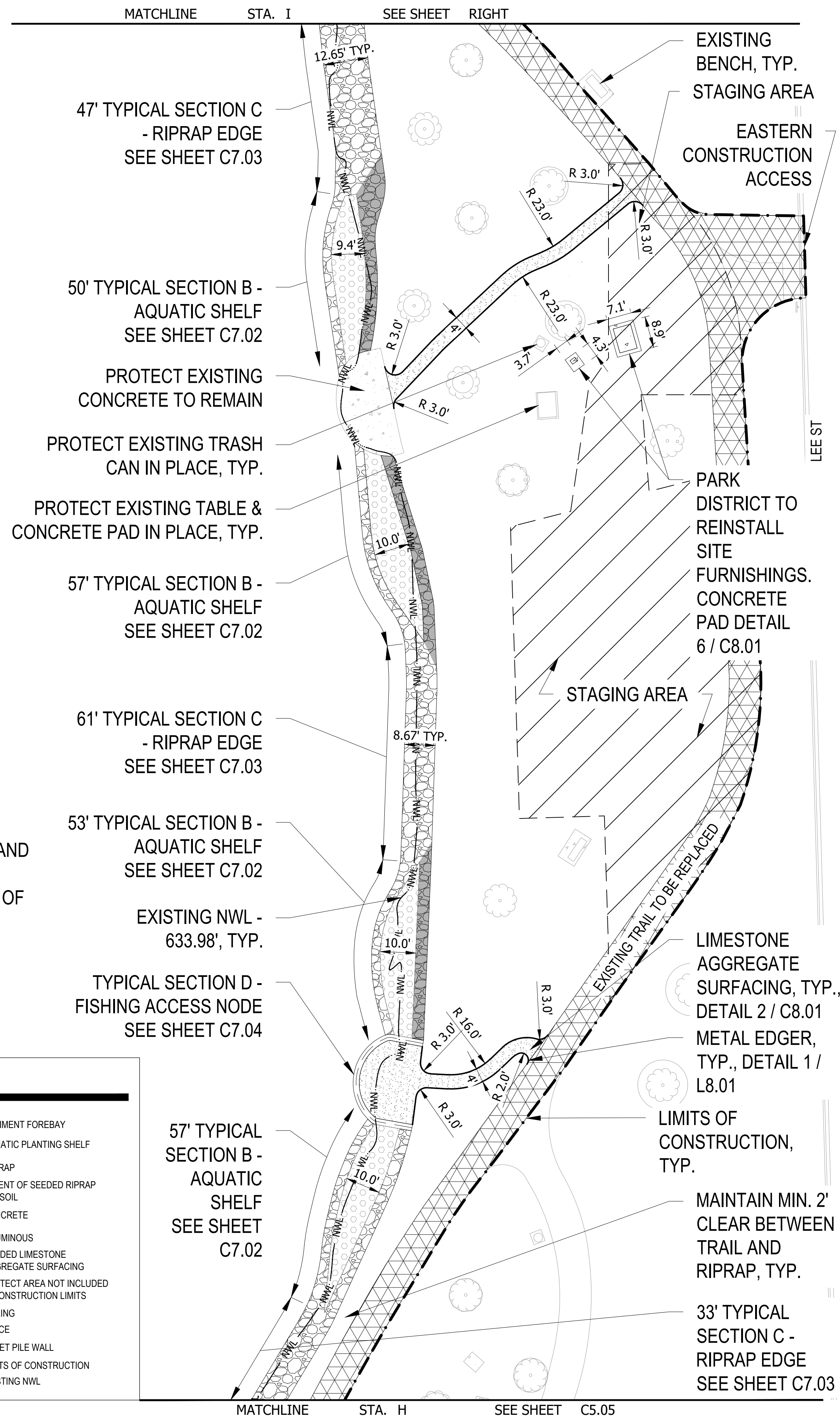
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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LAKE OPEKA

NOTE:  
 WORKING POINT / REFERENCE LINE IS DEFINED AS THE UPLAND SIDE OF THE RIP RAP SECTION OR CENTER OF SHEET PILE WALL / CONCRETE CAP, AS SHOWN ON THE CORRESPONDING TYPICAL SECTION.

LEGEND	
	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



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**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

**SITE PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO. / REVISION	DATE
SURVEY	WT
DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>C5.06</b>

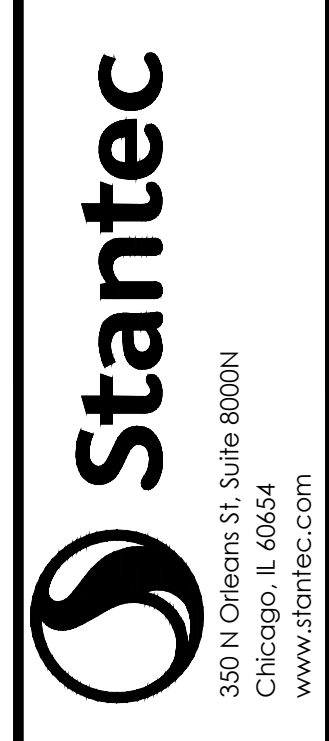
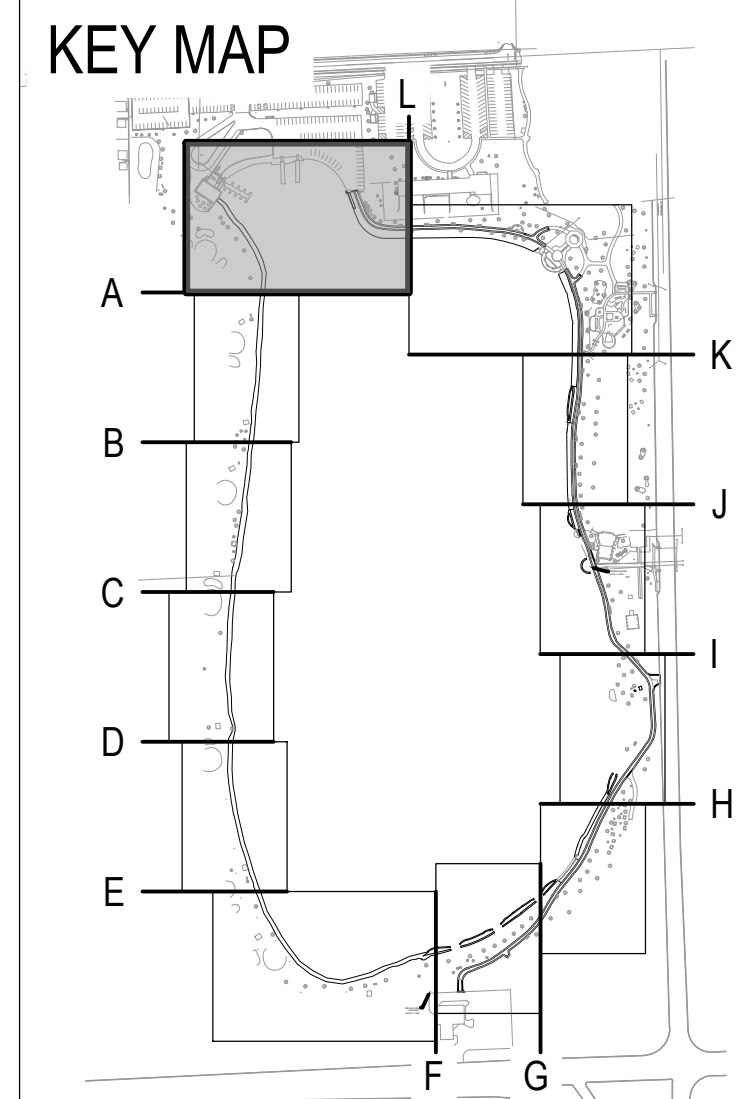
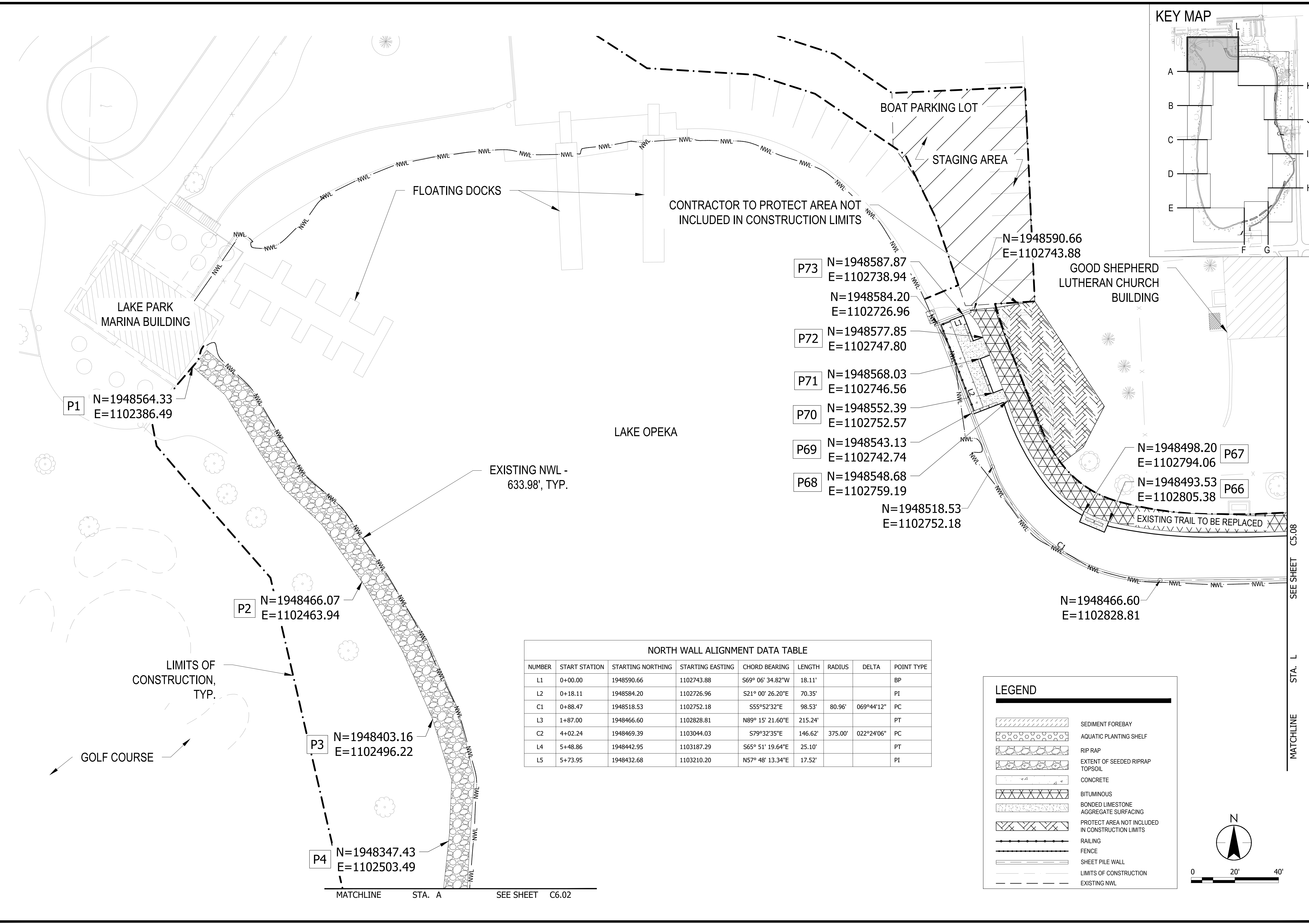






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COORDINATE PLAN  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

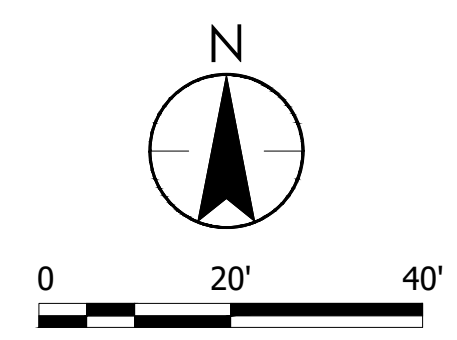
DATE OF ISSUANCE	January 8, 2024
NO. REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	C6.01

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- N=1948584.20  
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- P72 N=1948577.85  
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- P71 N=1948568.03  
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- P70 N=1948552.39  
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- P69 N=1948543.13  
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- P68 N=1948548.68  
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- N=1948518.53  
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- N=1948590.66  
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- N=1948498.20  
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- N=1948466.60  
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- P1 N=1948564.33  
E=1102386.49

NUMBER	START STATION	STARTING NORTHING	STARTING EASTING	CHORD BEARING	LENGTH	RADIUS	DELTA	POINT TYPE
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L2	0+18.11	1948584.20	1102726.96	S21° 00' 26.20"E	70.35'			PI
C1	0+88.47	1948518.53	1102752.18	S55° 52' 32"E	98.53'	80.96'	069° 44' 12"	PC
L3	1+87.00	1948466.60	1102828.81	N89° 15' 21.60"E	215.24'			PT
C2	4+02.24	1948469.39	1103044.03	S79° 32' 35"E	146.62'	375.00'	022° 24' 06"	PC
L4	5+48.86	1948442.95	1103187.29	S65° 51' 19.64"E	25.10'			PT
L5	5+73.95	1948432.68	1103210.20	N57° 48' 13.34"E	17.52'			PI

**LEGEND**

- SEDIMENT FOREBAY
- AQUATIC PLANTING SHELF
- RIP RAP
- EXTENT OF SEEDED RIPRAP TOPSOIL
- CONCRETE
- BITUMINOUS BONDED LIMESTONE AGGREGATE SURFACING
- PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
- RAILING
- FENCE
- SHEET PILE WALL
- LIMITS OF CONSTRUCTION
- EXISTING NWL

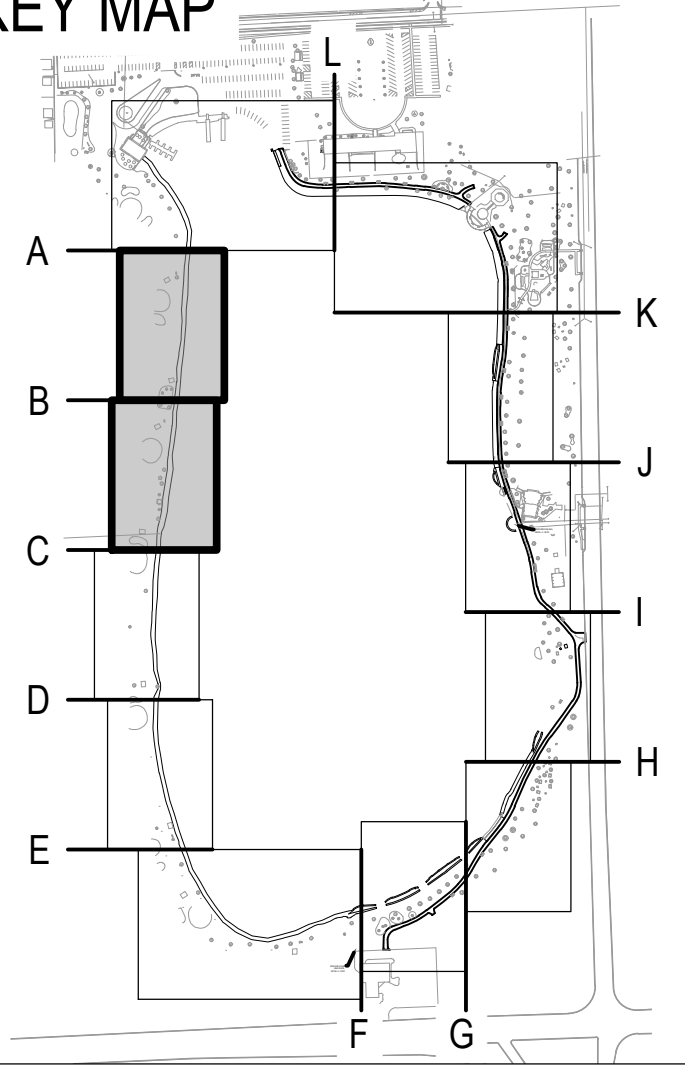


MATCHLINE STA. L SEE SHEET C5.08

MATCHLINE STA. A SEE SHEET C6.02

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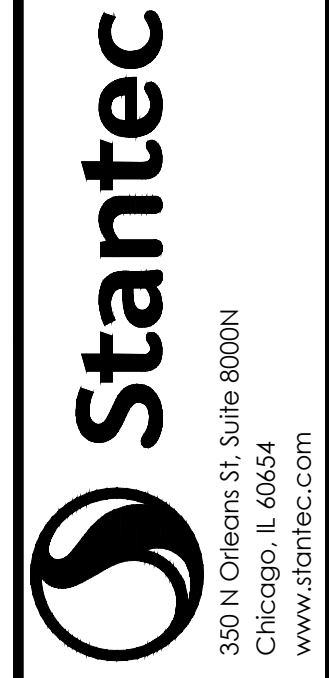
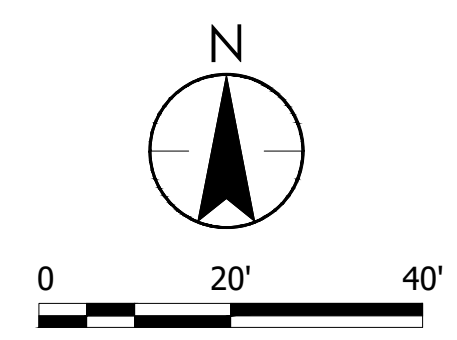
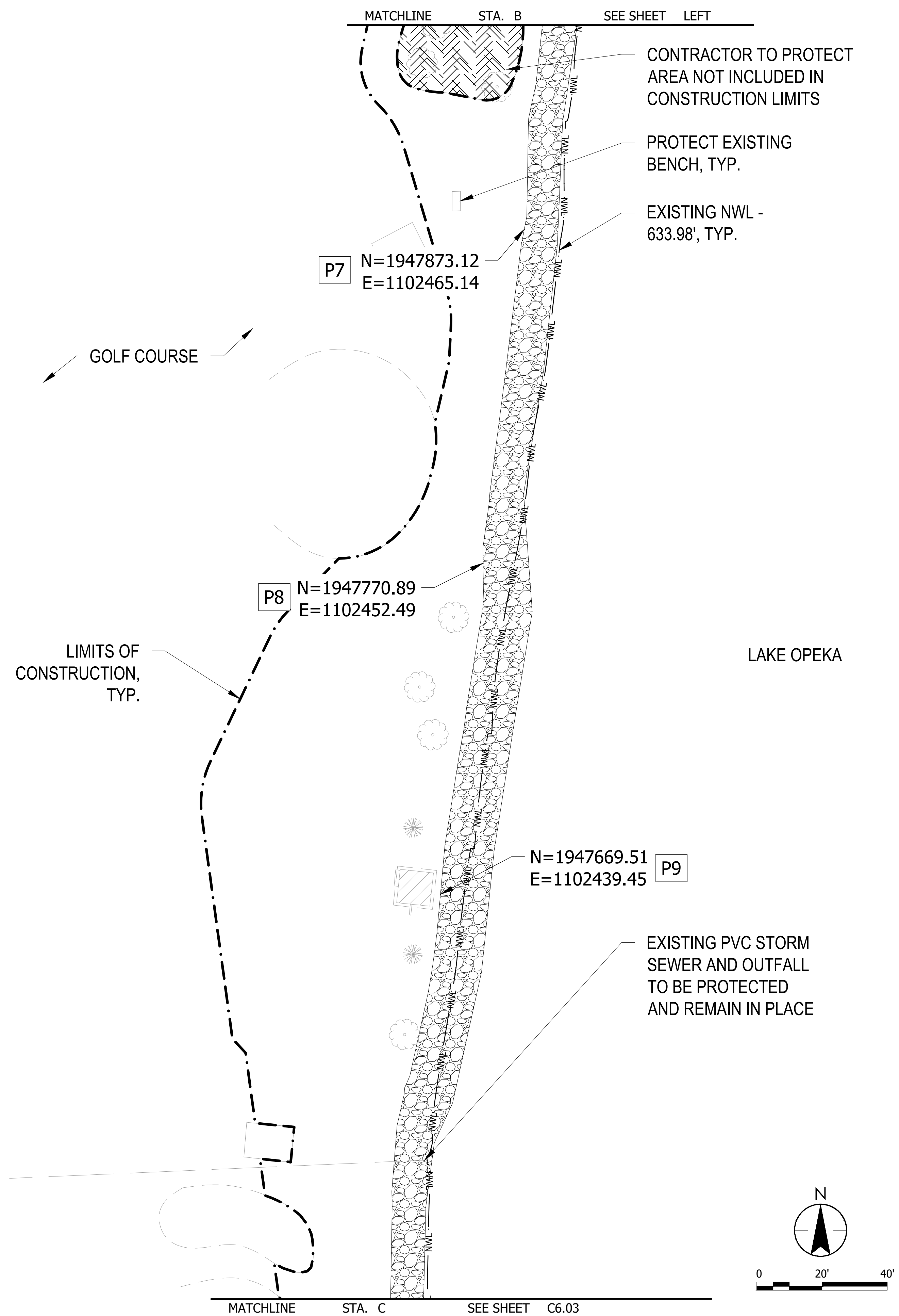
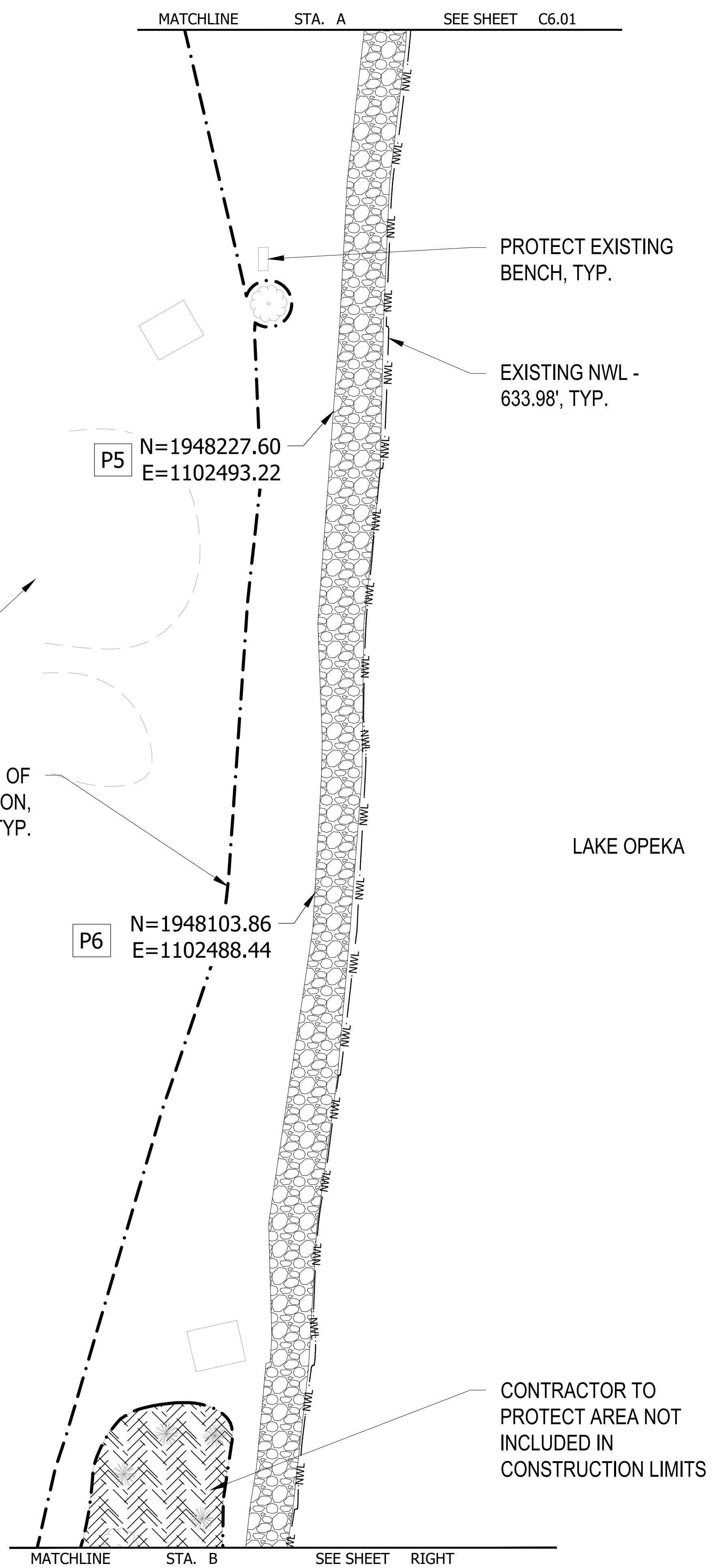
**KEY MAP**



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**LEGEND**

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP
	TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



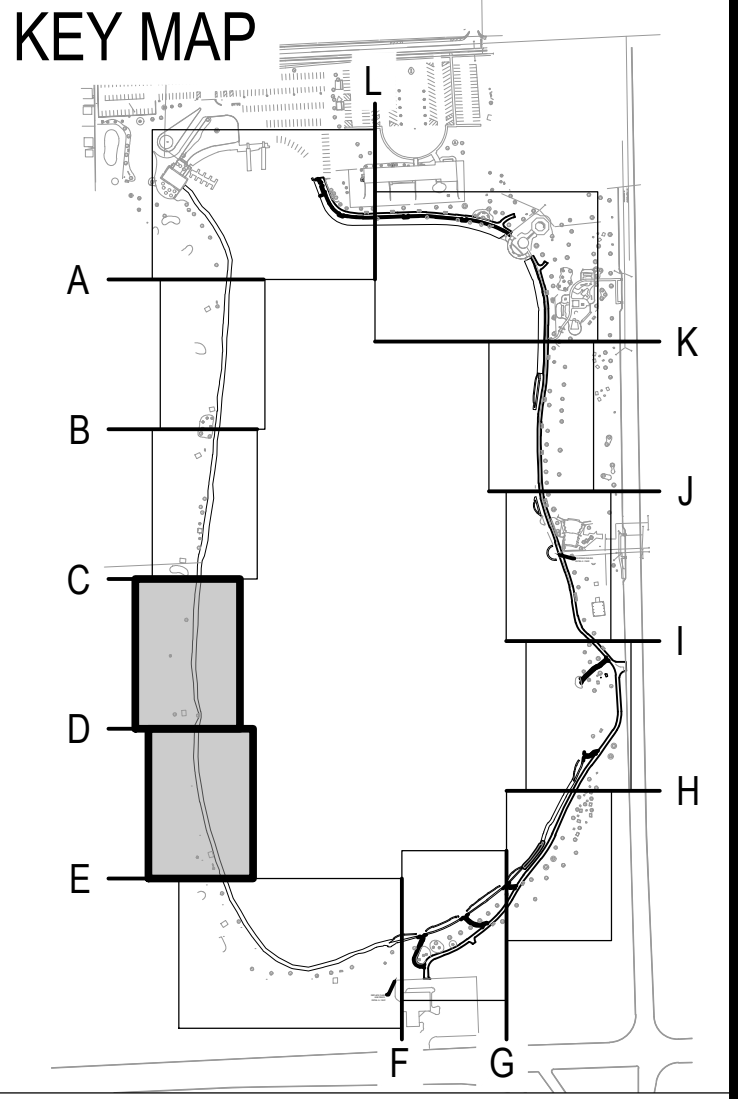
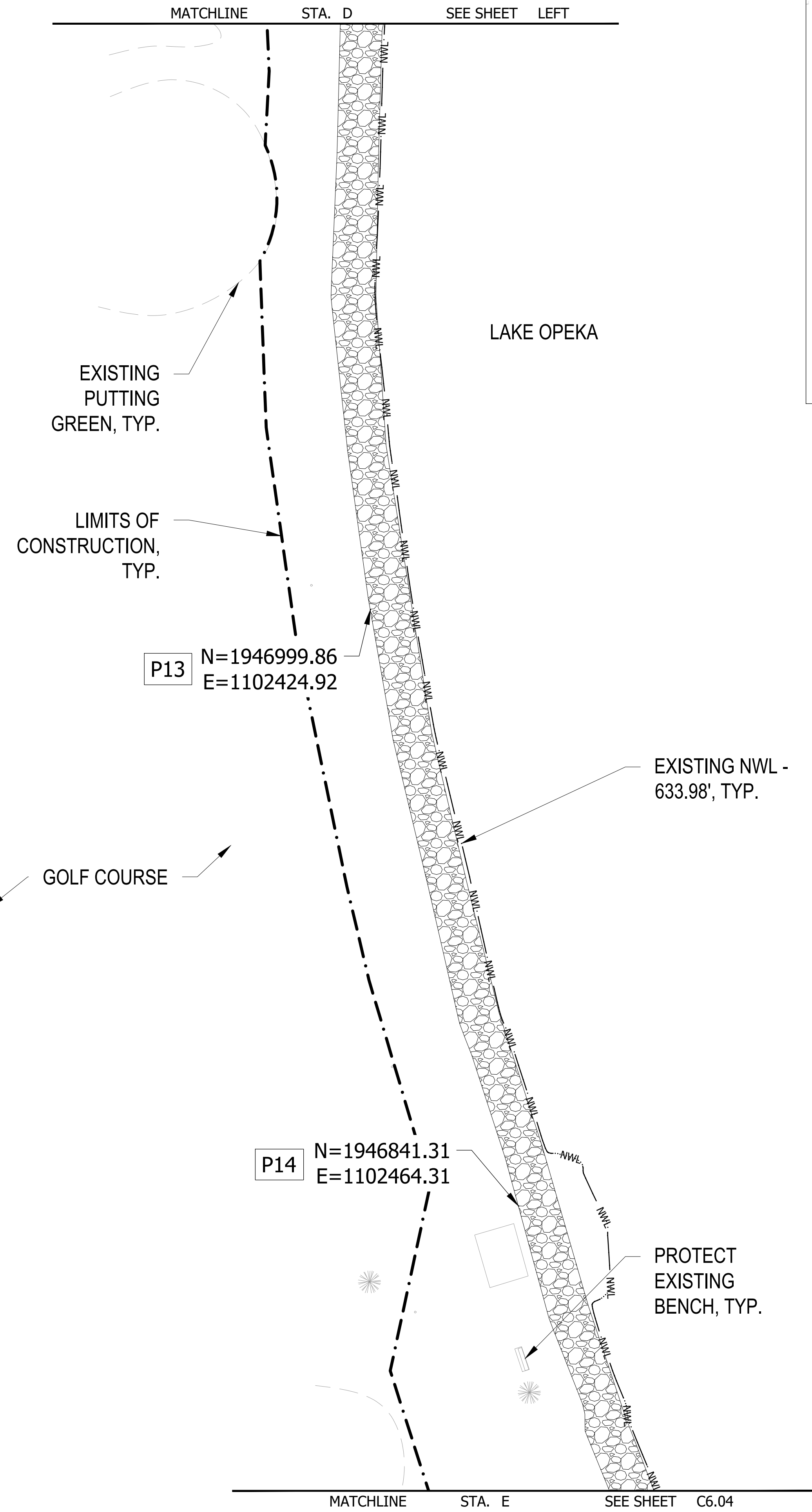
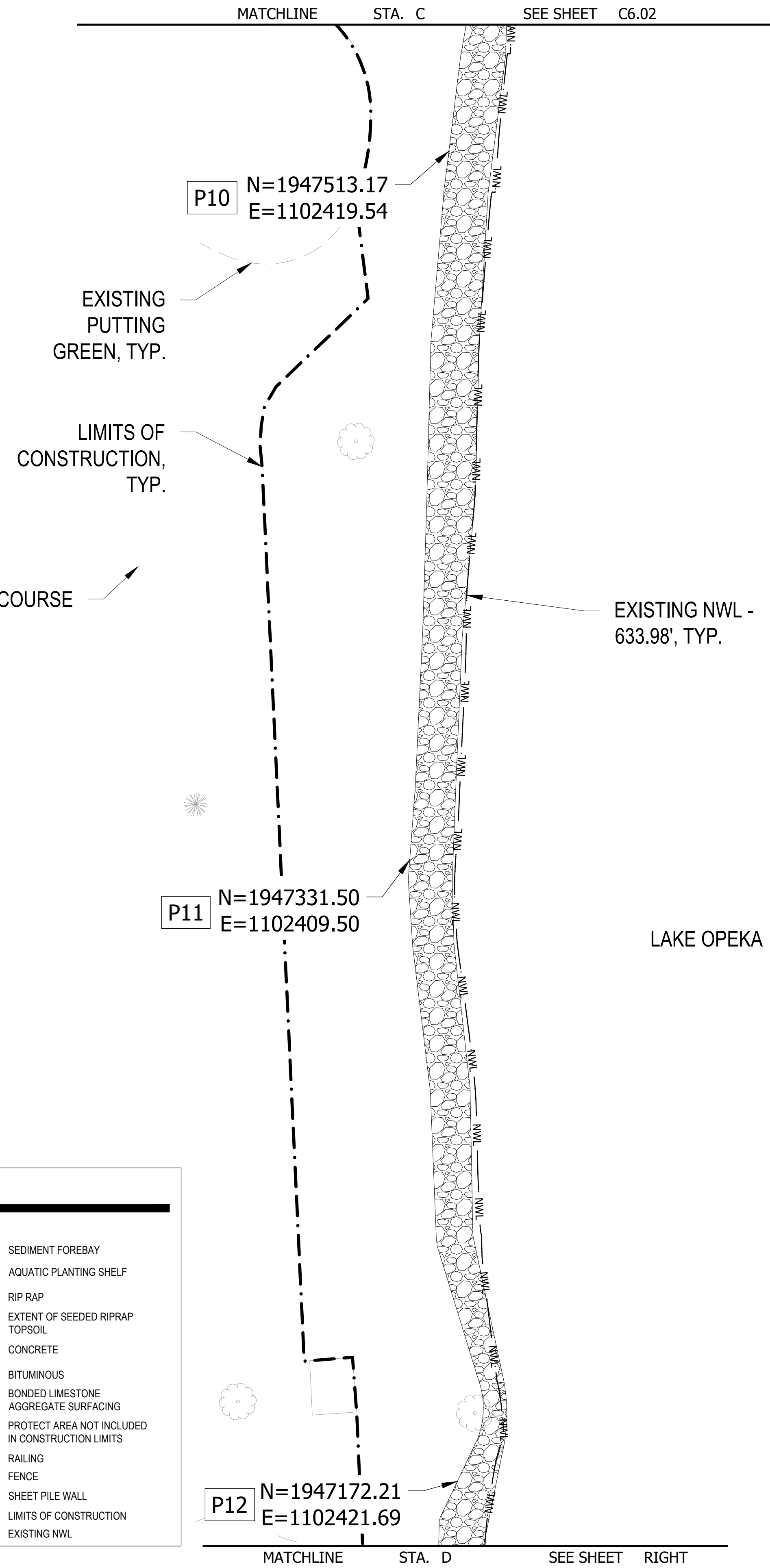
**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

**COORDINATE PLAN**  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

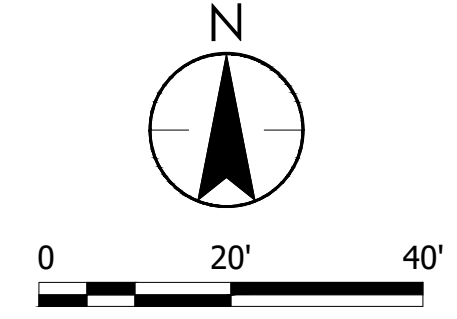
DATE OF ISSUANCE	January 8, 2024
NO. REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>C6.02</b>

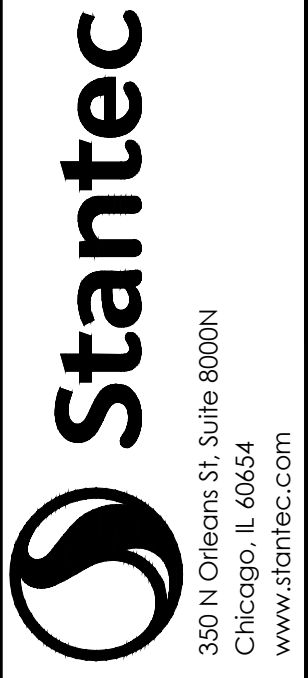
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LEGEND	
	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP
	TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL





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COORDINATE PLAN  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

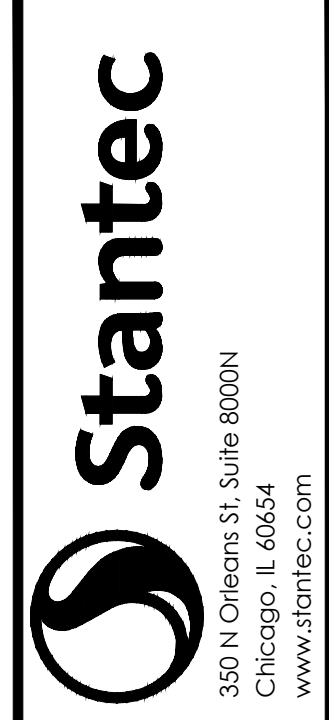
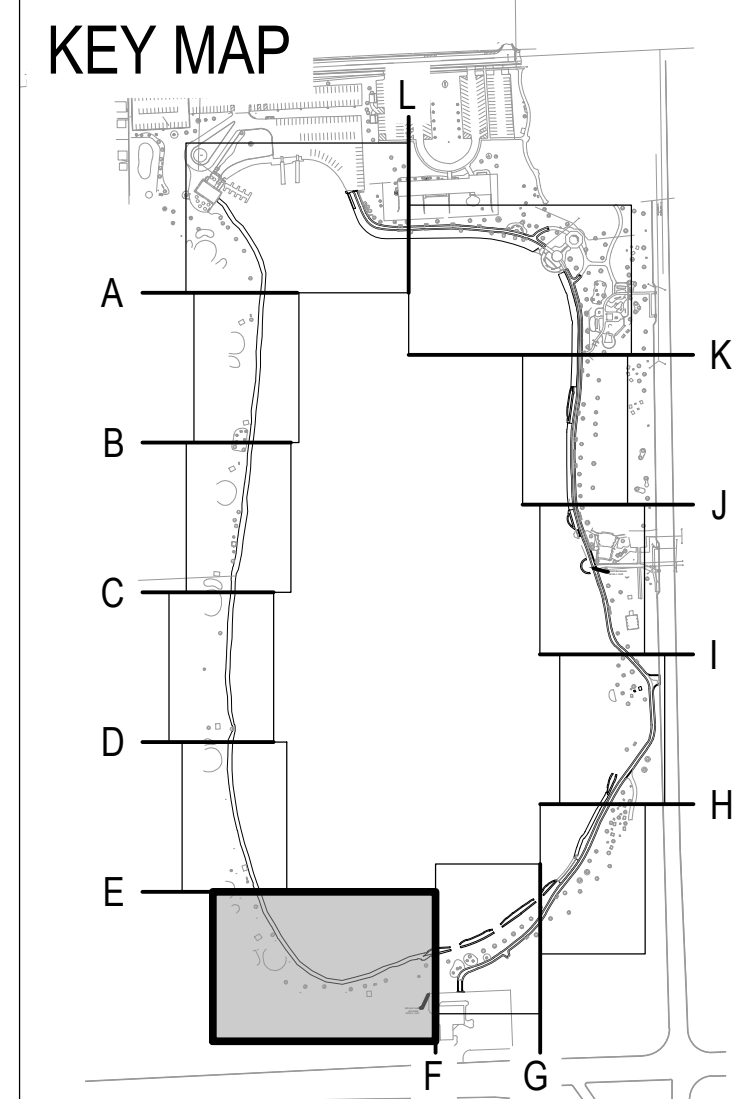
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DATE OF ISSUANCE	
January 8, 2024	
NO. REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>C6.03</b>

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MATCHLINE STA. E SEE SHEET C6.03

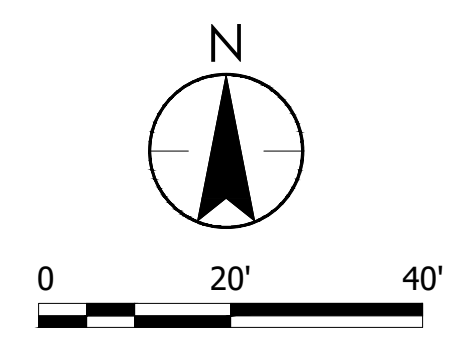
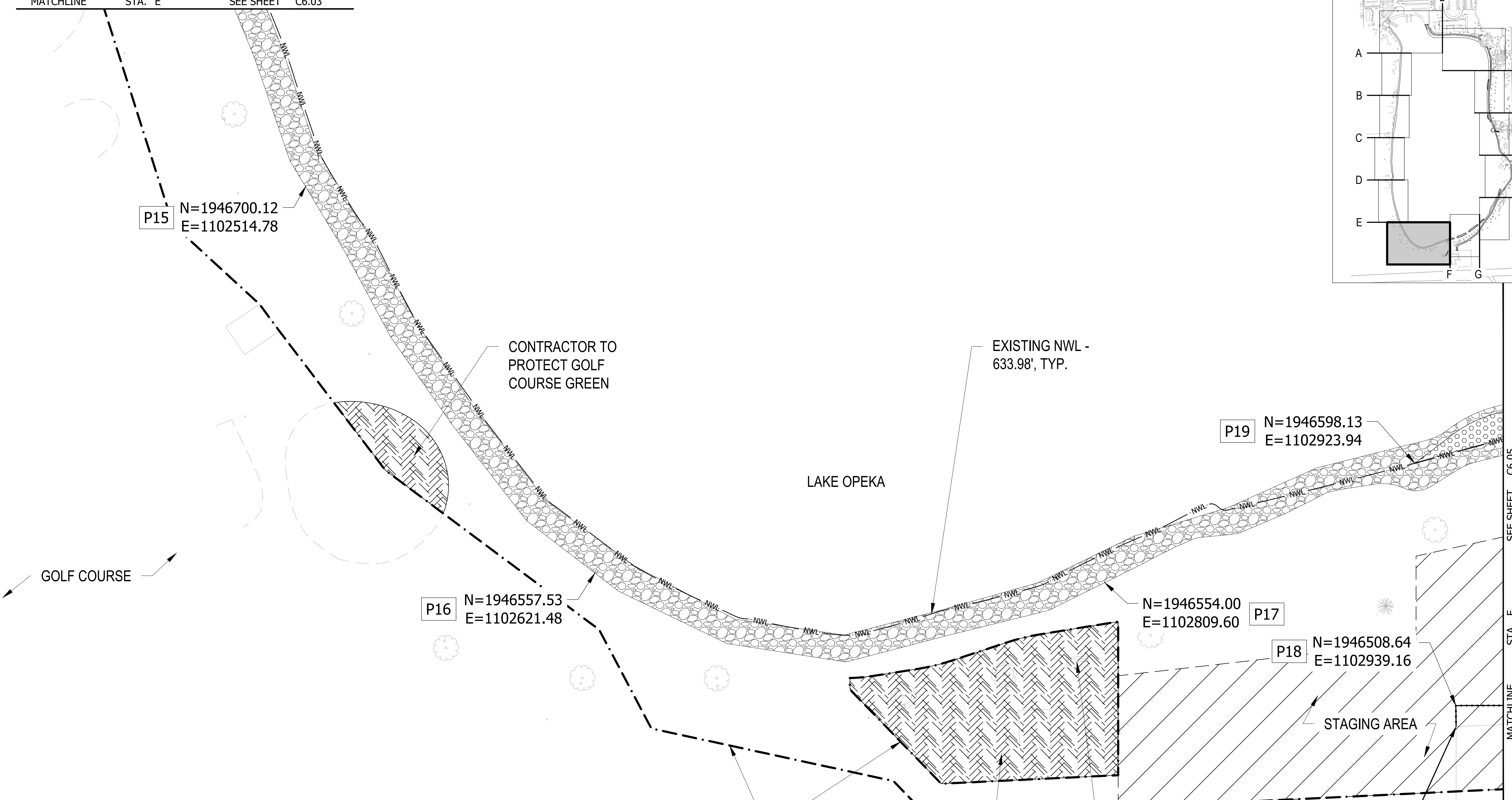


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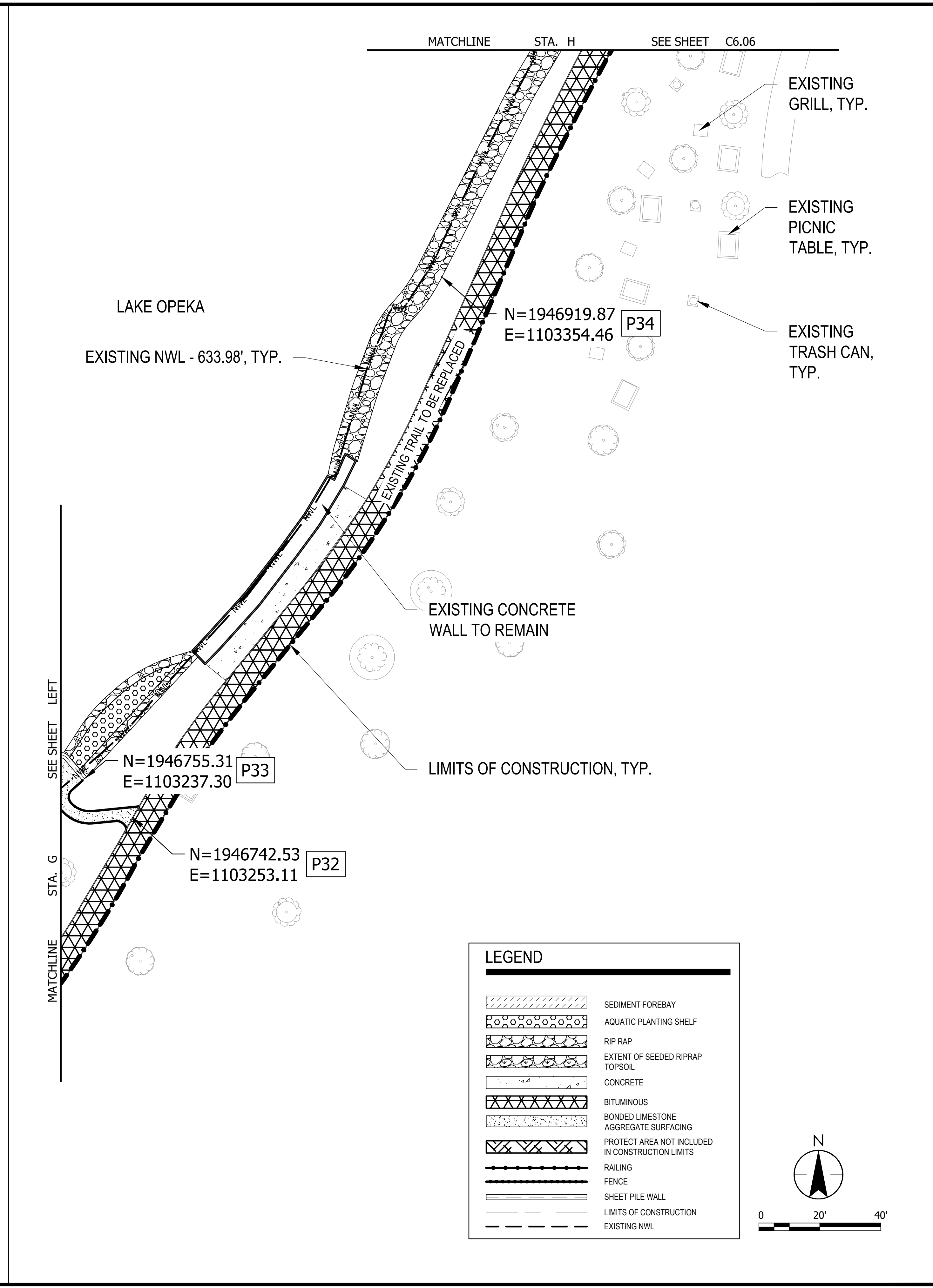
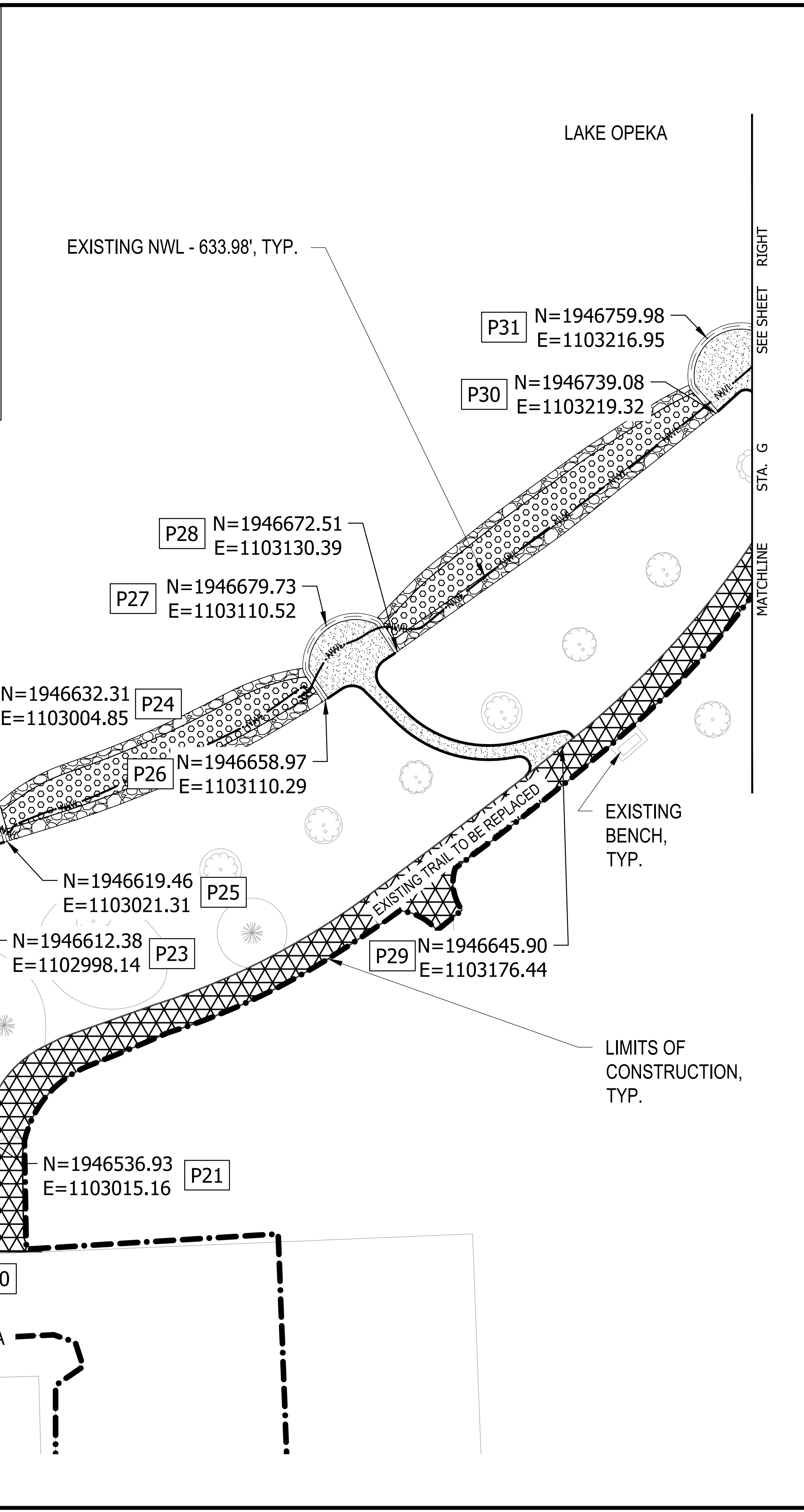
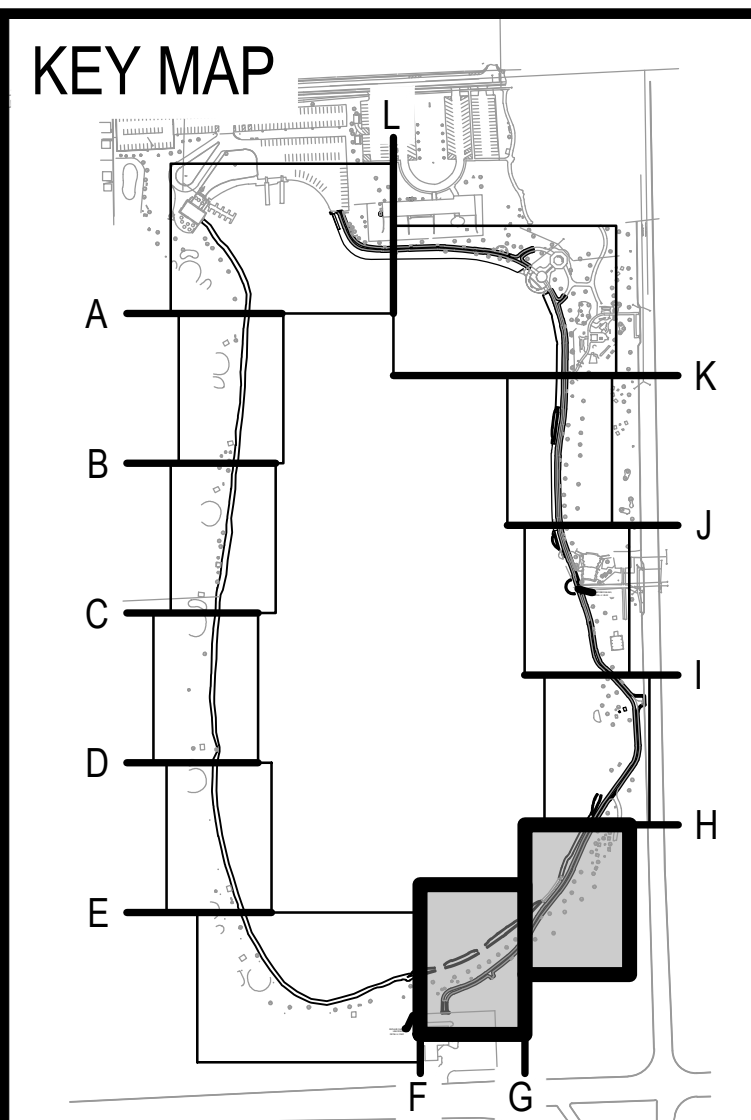
COORDINATE PLAN  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO/REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	C6.04

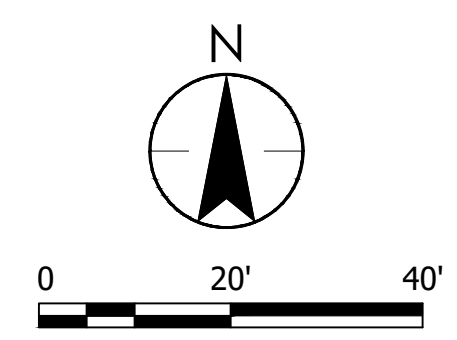
LEGEND	
	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP
	TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



Plot Date: 01/03/2024 - 5:35pm  
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LEGEND	
	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP TOPSOIL
	CONCRETE
	BITUMINOUS BONDED LIMESTONE AGGREGATE SURFACING
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	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



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**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

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COORDINATE PLAN  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

---

NO.	REVISION	DATE

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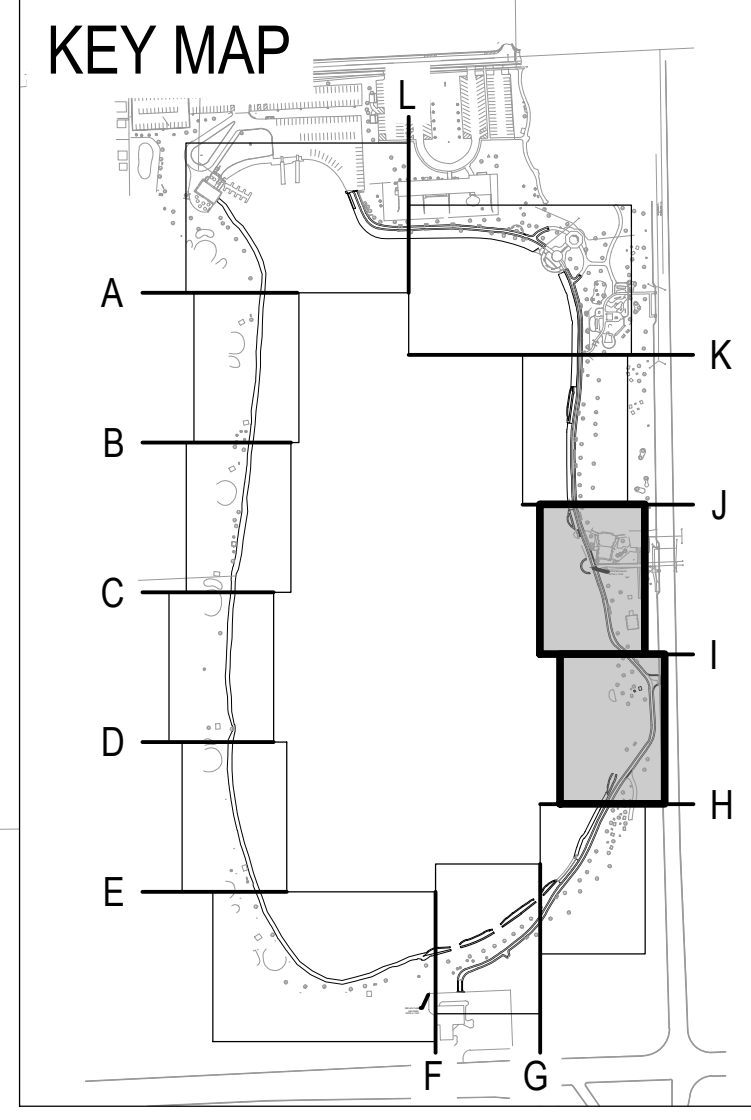
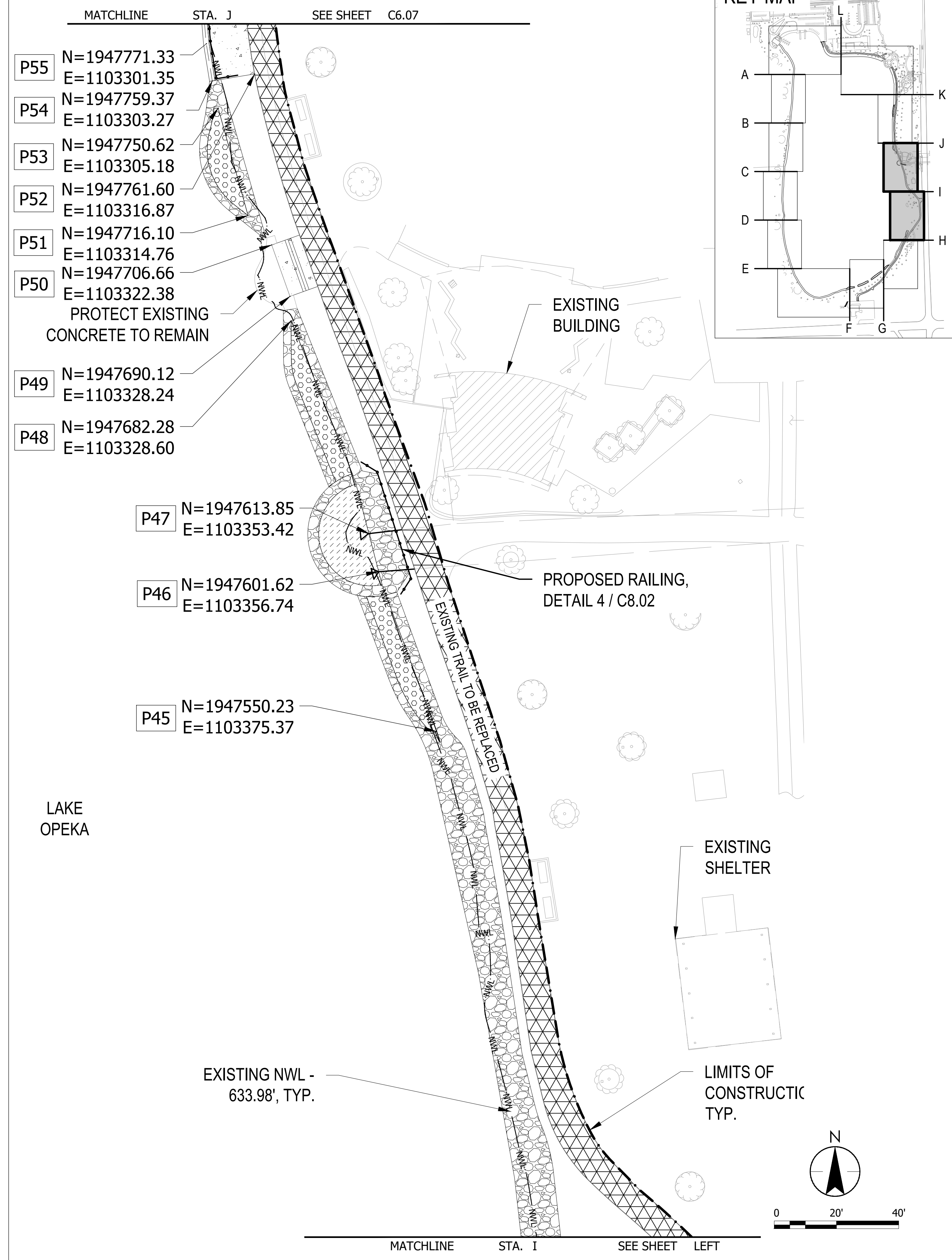
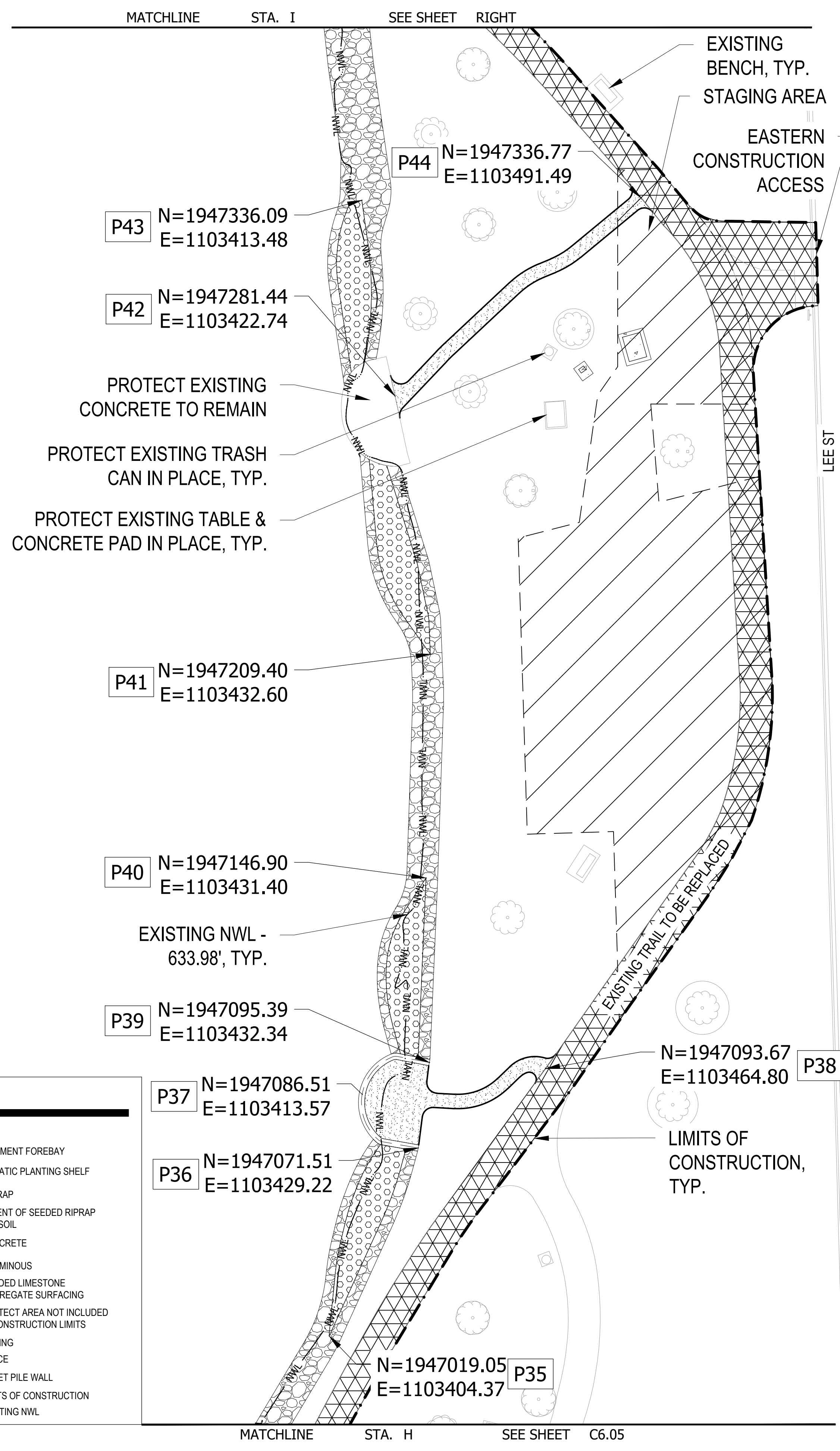
DATE OF ISSUANCE	January 8, 2024
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

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SHEET NUMBER  
**C6.05**

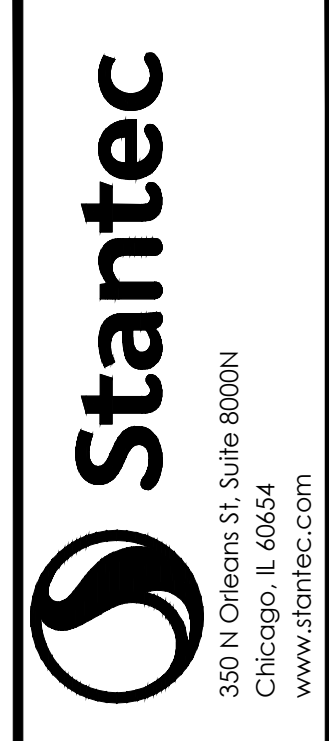
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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**LEGEND**

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP
	TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



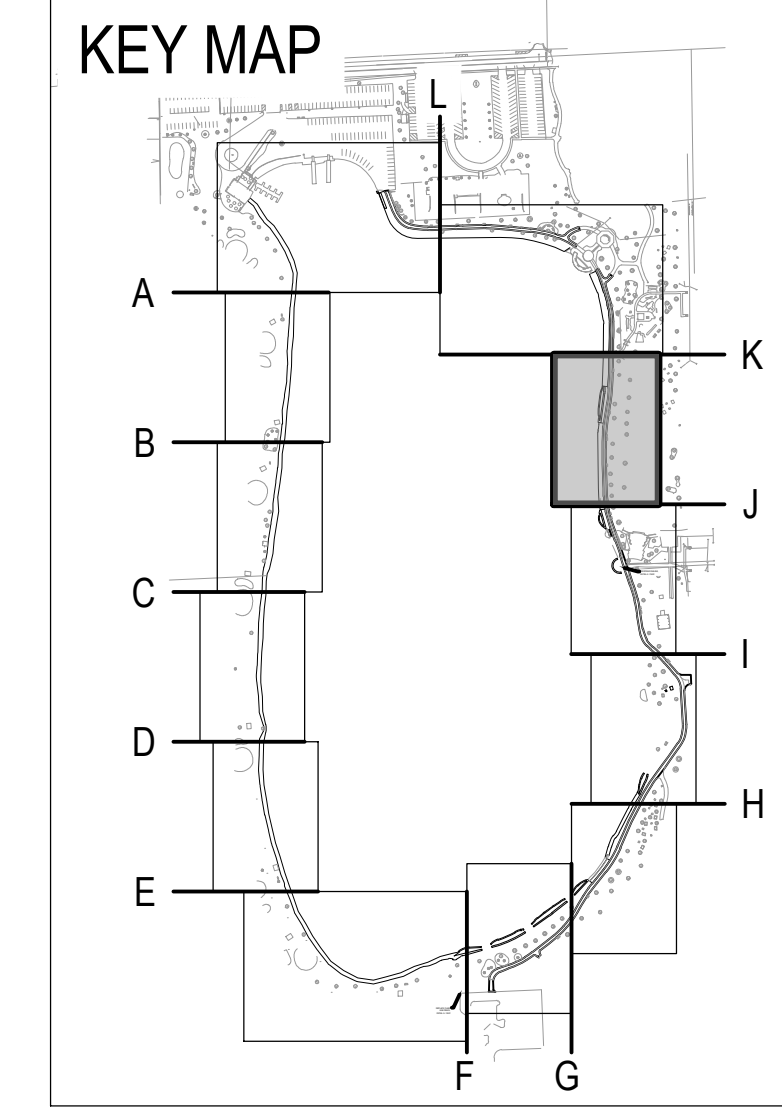
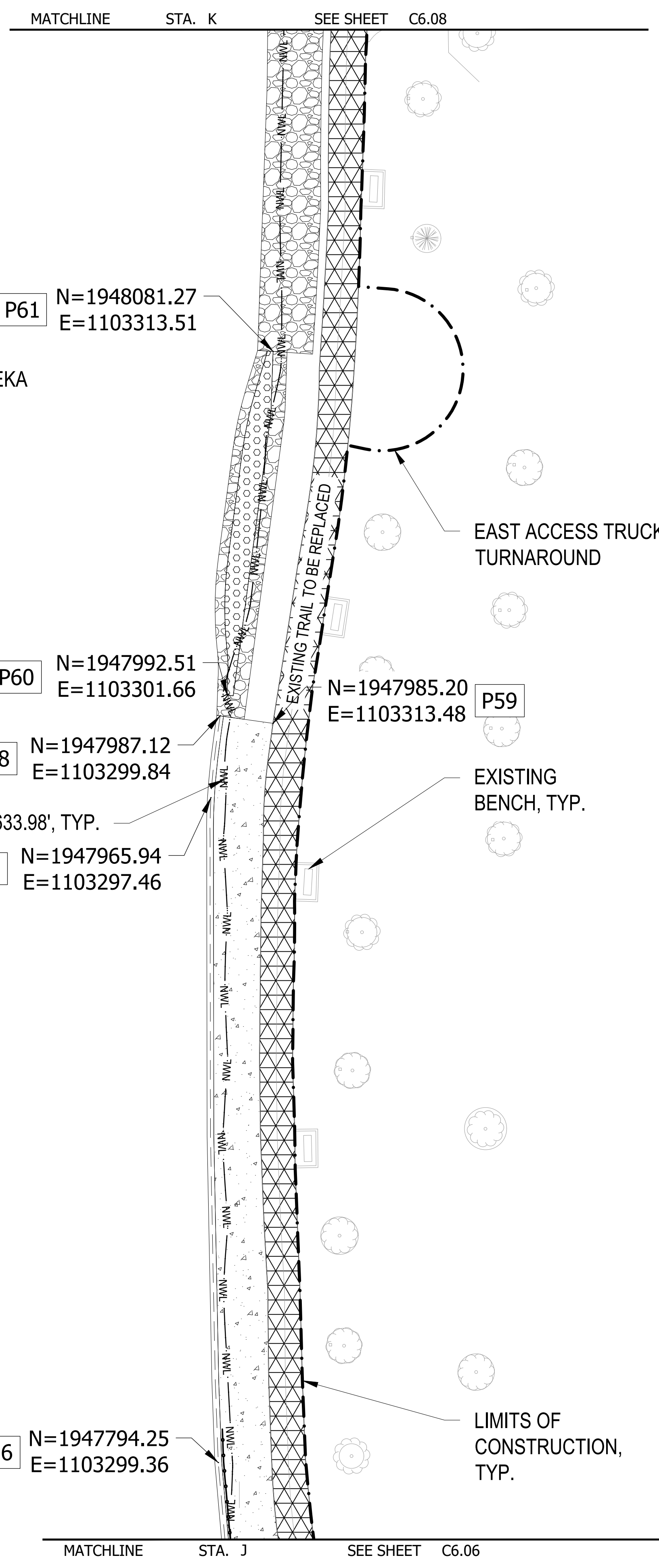
**ISSUED FOR CONSTRUCTION**  
 SUBJECT TO ADDENDA

**COORDINATE PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	January 8, 2024
NO/REVISION	DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	<b>C6.06</b>

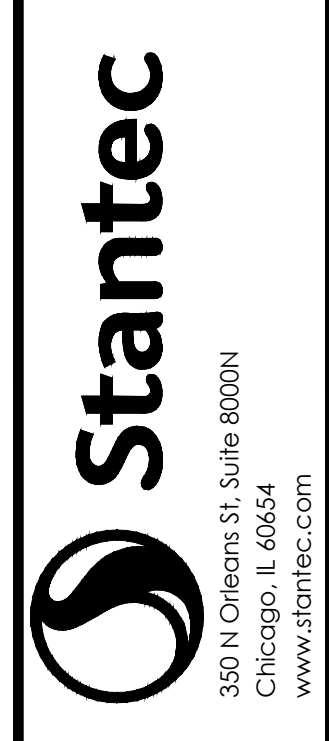
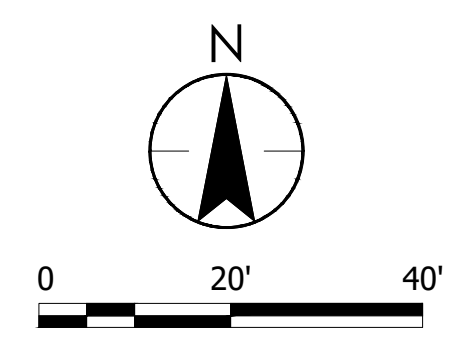
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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**LEGEND**

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP TOPSOIL
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



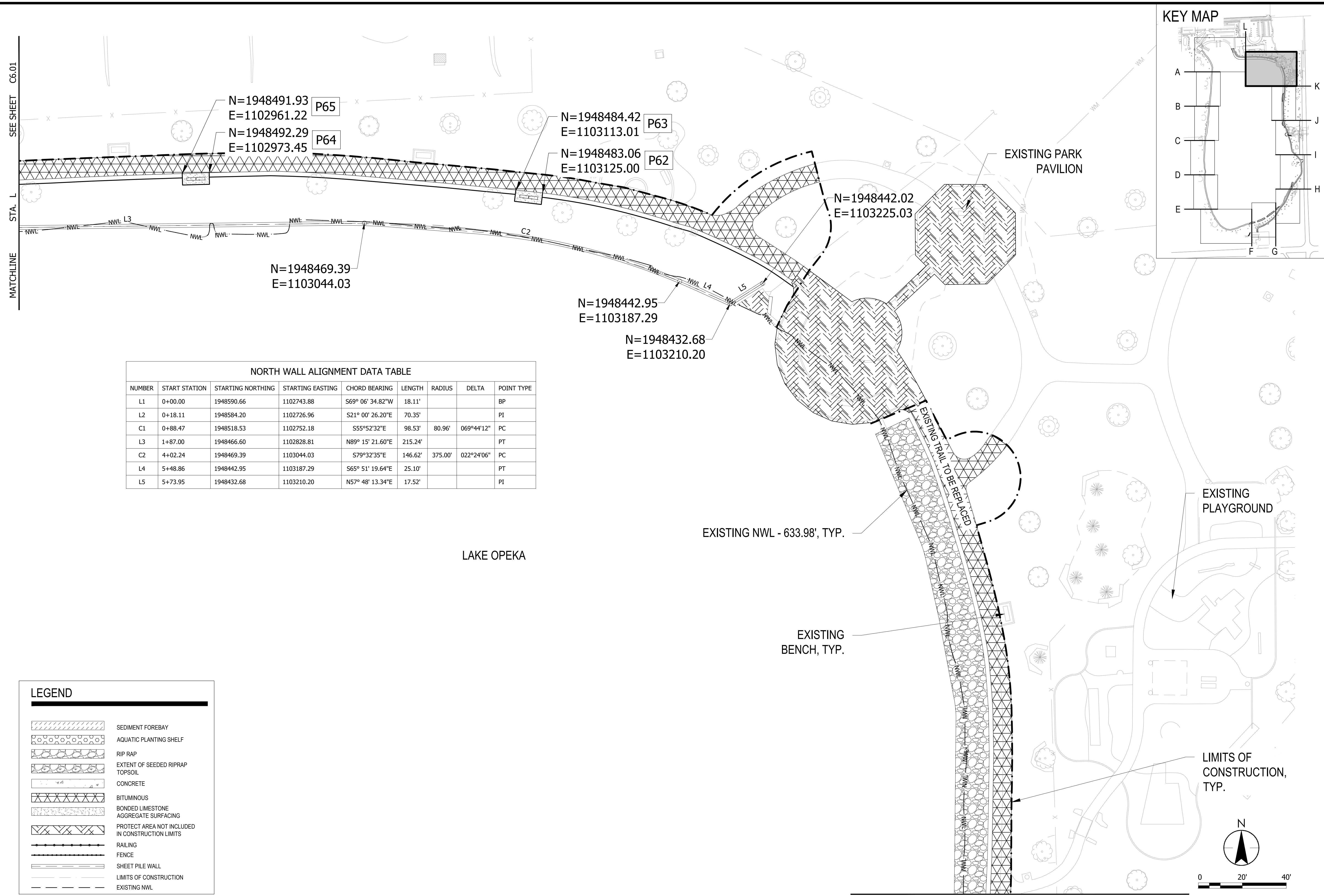
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 SUBJECT TO ADDENDA

**COORDINATE PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO. REVISION	DATE
SURVEY	WJ
DRAWN	KG, SK
DESIGNED	@#
CHECKED	@#
APPROVED	TW
PROJ. NO.	173420083
SHEET NUMBER	
<b>C6.07</b>	

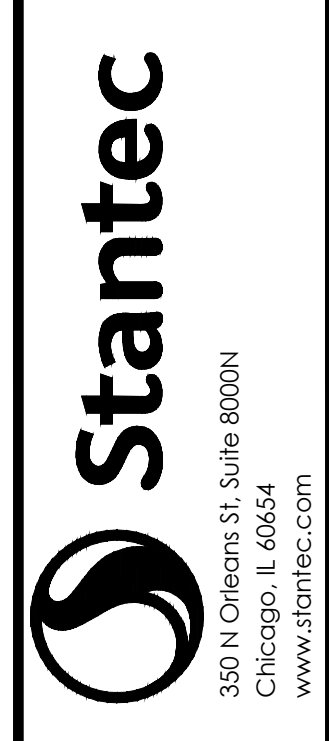
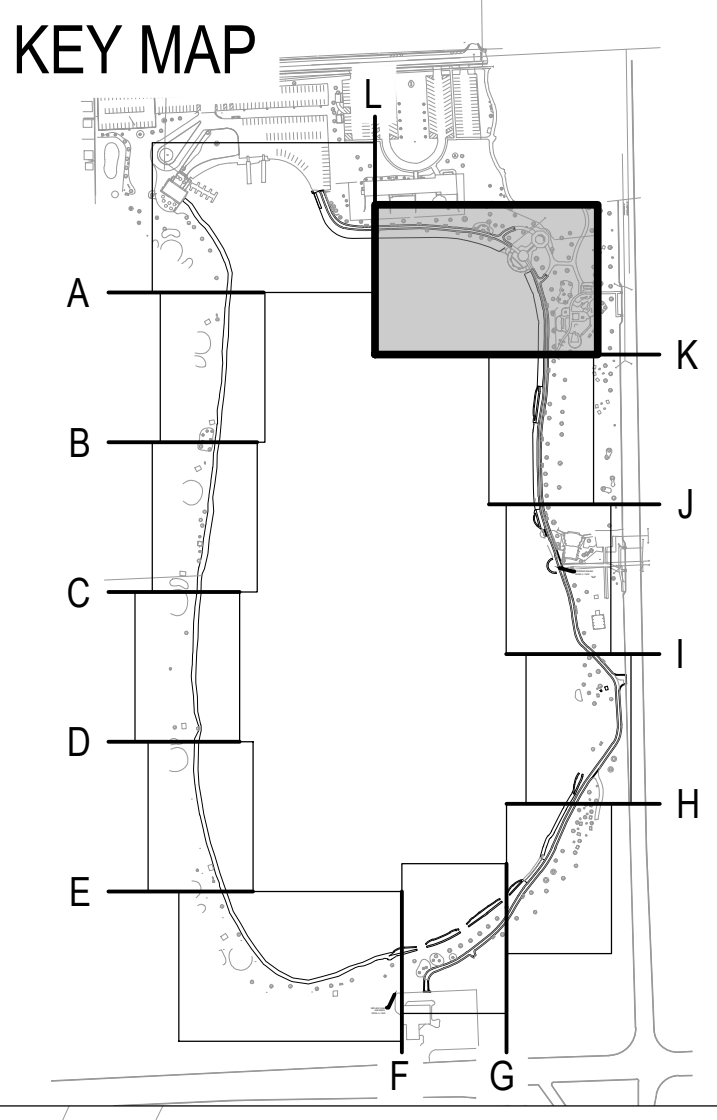
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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NORTH WALL ALIGNMENT DATA TABLE

NUMBER	START STATION	STARTING NORTHING	STARTING EASTING	CHORD BEARING	LENGTH	RADIUS	DELTA	POINT TYPE
L1	0+00.00	1948590.66	1102743.88	S69° 06' 34.82"W	18.11'			BP
L2	0+18.11	1948584.20	1102726.96	S21° 00' 26.20"E	70.35'			PI
C1	0+88.47	1948518.53	1102752.18	S55°52'32"E	98.53'	80.96'	069°44'12"	PC
L3	1+87.00	1948466.60	1102828.81	N89° 15' 21.60"E	215.24'			PT
C2	4+02.24	1948469.39	1103044.03	S79°32'35"E	146.62'	375.00'	022°24'06"	PC
L4	5+48.86	1948442.95	1103187.29	S65° 51' 19.64"E	25.10'			PT
L5	5+73.95	1948432.68	1103210.20	N57° 48' 13.34"E	17.52'			PI

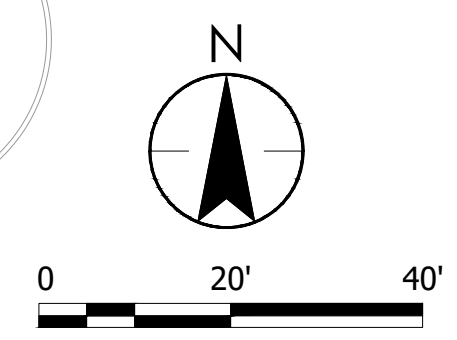


ISSUED FOR  
 CONSTRUCTION  
 SUBJECT TO ADDENDA

COORDINATE PLAN  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

**LEGEND**

	SEDIMENT FOREBAY
	AQUATIC PLANTING SHELF
	RIP RAP
	EXTENT OF SEEDED RIPRAP TOPSOIL
	CONCRETE
	BITUMINOUS BONDED LIMESTONE AGGREGATE SURFACING
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	RAILING
	FENCE
	SHEET PILE WALL
	LIMITS OF CONSTRUCTION
	EXISTING NWL



DATE OF ISSUANCE  
January 8, 2024

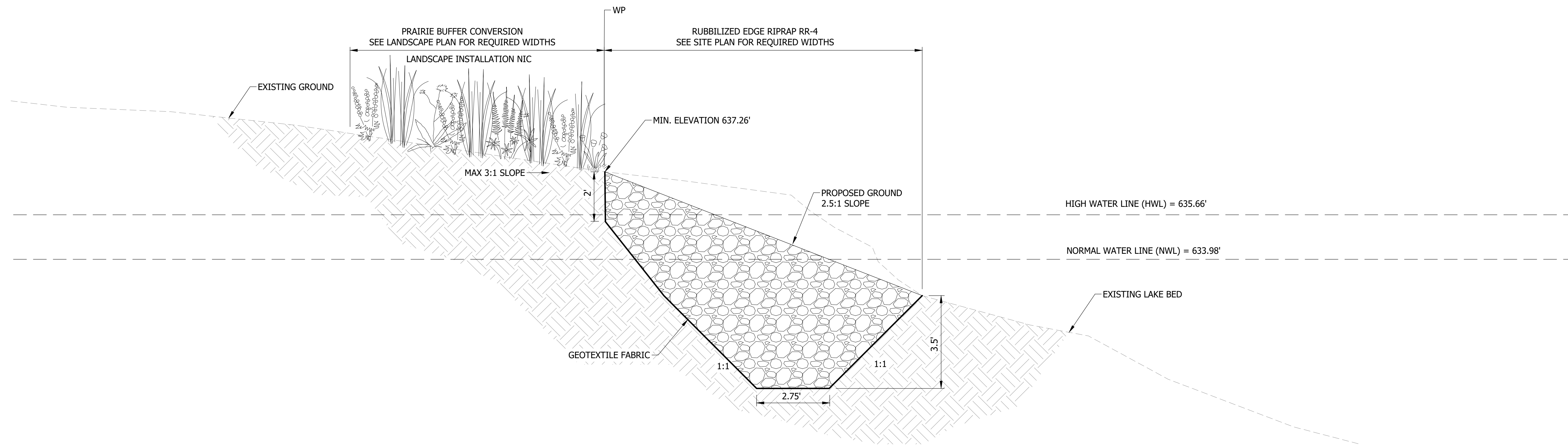
NO/REVISION	DATE

SURVEY WT  
 DRAWN KG, SW  
 DESIGNED CB  
 CHECKED CB  
 APPROVED TN  
 PROJ. NO. 173420083  
 SHEET NUMBER  
**C6.08**



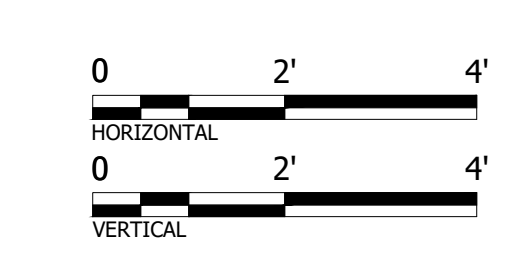
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 01/03/2024 - 5:41 pm  
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**A** PRAIRIE BUFFER CONVERSION  
 TYPICAL SECTION

- CONSTRUCTION NOTES:
1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
  2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
  3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS.
  4. CLEAR AND GRUB REMAINING AREAS TO PREPARE THE SITE AND ROUGH GRADE WORK AREA PER GRADING PLANS.
  5. LAY GEOTEXTILE FABRIC AND PLACE RR-4 MATERIAL. EXCESS RUBBLIZED MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
  6. PERFORM FINE GRADING OPERATIONS AND PLACE TOPSOIL. NOTIFY OWNER AND ENGINEER WHEN COMPLETE.
  7. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
  8. SEEDING AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.



**Stantec**

350 N Orleans St, Suite 800N  
 Chicago, IL 60654  
 www.stantec.com

ISSUED FOR CONSTRUCTION

SUBJECT TO ADDENDA

TYPICAL SECTION A - PRAIRIE BUFFER CONVERSION

LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE

January 8, 2024

NO REVISION

DATE

SURVEY

WT

DRAWN

KG, SW

DESIGNED

CB

CHECKED

CB

APPROVED

TN

PROJ. NO.

173420083

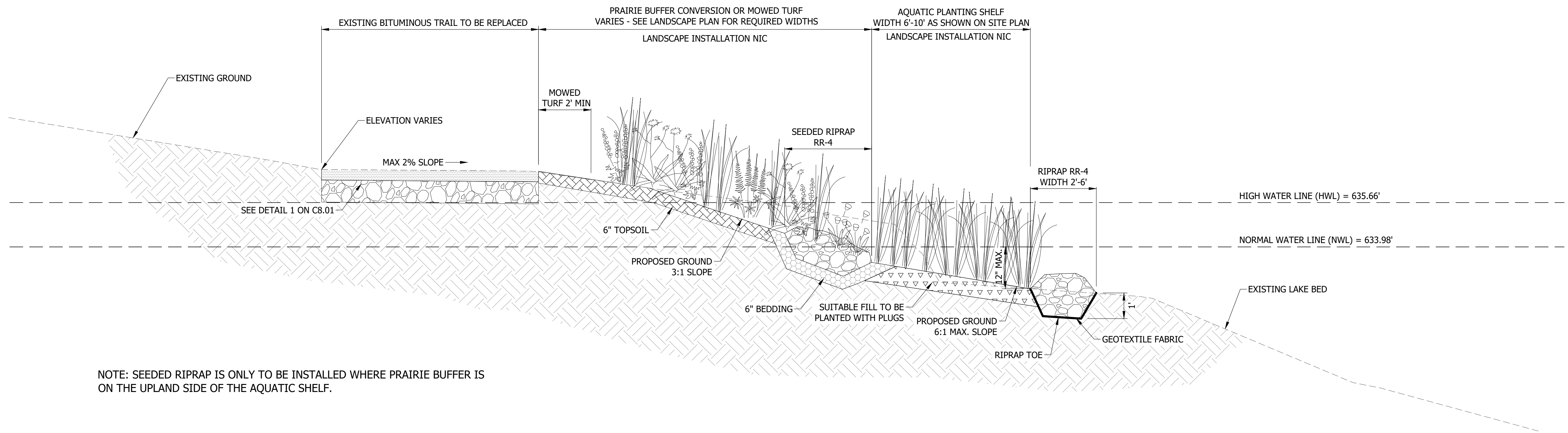
SHEET NUMBER

C7.01

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

ISSUED FOR  
 CONSTRUCTION  
 SUBJECT TO ADDENDA

TYPICAL SECTION B - AQUATIC SHELF  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS



NOTE: SEEDED RIPRAP IS ONLY TO BE INSTALLED WHERE PRAIRIE BUFFER IS ON THE UPLAND SIDE OF THE AQUATIC SHELF.

**B** RIPRAP TOE WITH AQUATIC PLANTING SHELF  
 TYPICAL SECTION

CONSTRUCTION NOTES:

1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS.
4. CLEAR AND GRUB REMAINING AREAS TO PREPARE THE SITE AND ROUGH GRADE WORK AREA PER GRADING PLANS.
5. LAY GEOTEXTILE FABRIC AND PLACE RR-4 MATERIAL. EXCESS RUBBLIZED MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
6. REINSTALL 1' DEPTH RR-4 MATERIAL WITH TOPSOIL TO FILL VOIDS ON TOP OF 6" BEDDING TO COMPLETE SEEDED RIP RAP AREA. EXCESS RUBBLIZED MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
7. PERFORM FINE GRADING OPERATIONS AND PLACE TOPSOIL. NOTIFY OWNER AND ENGINEER WHEN COMPLETE.
8. EXECUTE BITUMINOUS TRAIL REPLACEMENT WORK ONCE SHORELINE EARTHWORK ACTIVITIES ARE COMPLETE.
9. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
10. SEEDING, PLANT INSTALLATION, AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.



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DATE OF ISSUANCE  
 January 8, 2024

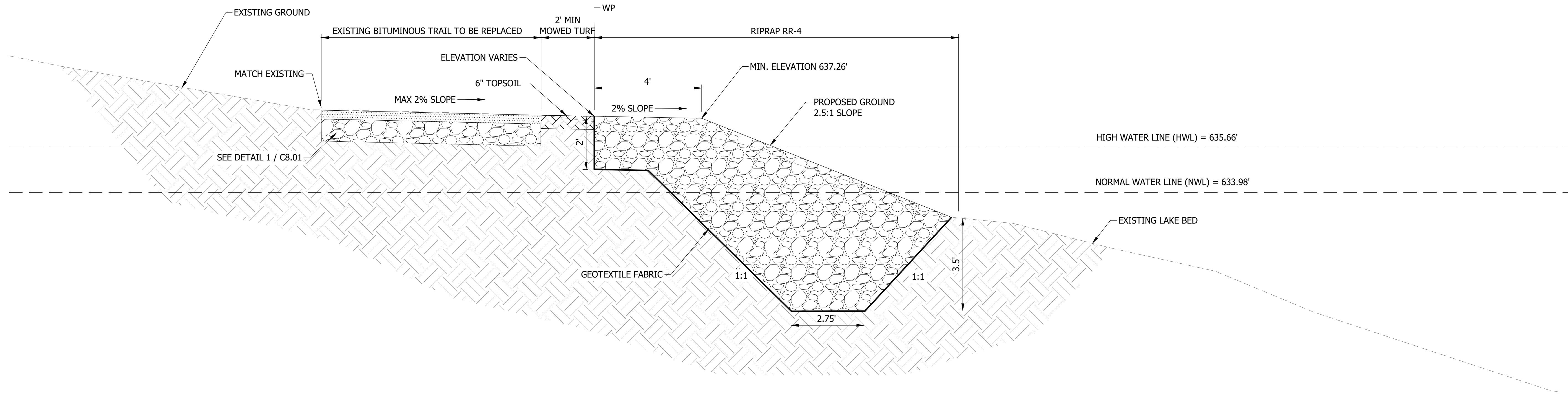
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SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

SHEET NUMBER  
**C7.02**

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**C** RIPRAP EDGE  
TYPICAL SECTION

CONSTRUCTION NOTES:

1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS.
4. CLEAR AND GRUB REMAINING AREAS TO PREPARE THE SITE AND ROUGH GRADE WORK AREA PER GRADING PLANS.
5. LAY GEOTEXTILE FABRIC AND PLACE RR-4 MATERIAL. EXCESS RUBBLIZED MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
6. PERFORM FINE GRADING OPERATIONS AND PLACE TOPSOIL. NOTIFY OWNER AND ENGINEER WHEN COMPLETE.
7. EXECUTE BITUMINOUS TRAIL REPLACEMENT WORK ONCE SHORELINE EARTHWORK ACTIVITIES ARE COMPLETE.
8. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
9. SEEDING, PLANT INSTALLATION, AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.

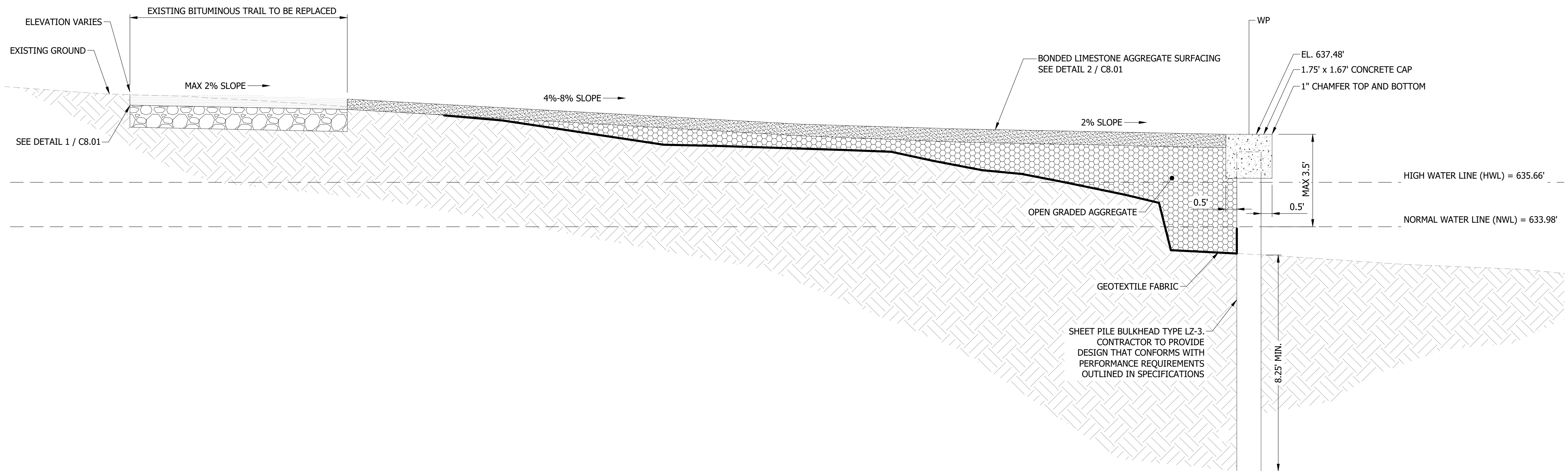
NOTE: RIP RAP EDGE IS IRREGULAR. SEE PLANS FOR SPECIFIC LOCATION WIDTHS.



NO	REVISION	DATE

SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083

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**D FISHING ACCESS NODE**  
TYPICAL SECTION

**CONSTRUCTION NOTES:**

1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS. RUBBLIZED MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
4. INSTALL SHEET PILE BULKHEAD TYPE LZ-3 TO SPECIFIED DEPTH.
5. CLEAR AND GRUB REMAINING AREAS TO PREPARE THE SITE AND ROUGH GRADE WORK AREA PER GRADING PLANS.
6. LAY GEOTEXTILE FABRIC AND PLACE OPEN GRADED AGGREGATE MATERIAL.
7. INSTALL CONCRETE CAP ON TOP OF SHEET PILE.
8. INSTALL BONDED AGGREGATE LIMESTONE SURFACE.
9. COMPLETE REPLACEMENT OF BITUMINOUS PATH.
10. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
11. SEEDING, PLANT INSTALLATION, AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.

NOTE: CONTRACTOR TO PROVIDE DESIGN FOR SHEET PILE AND CAP THAT CONFORMS WITH PERFORMANCE REQUIREMENT OUTLINE THE GEOTECHNICAL REPORT. CONCRETE PAVEMENT AND AGGREGATE SURFACE MUST CONFORM WITH PROJECT DETAILS AND SPECIFICATIONS.



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ISSUED FOR  
CONSTRUCTION  
SUBJECT TO ADDENDA

TYPICAL SECTION D - FISHING ACCESS NODE  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE  
January 8, 2024

NO. REVISION DATE

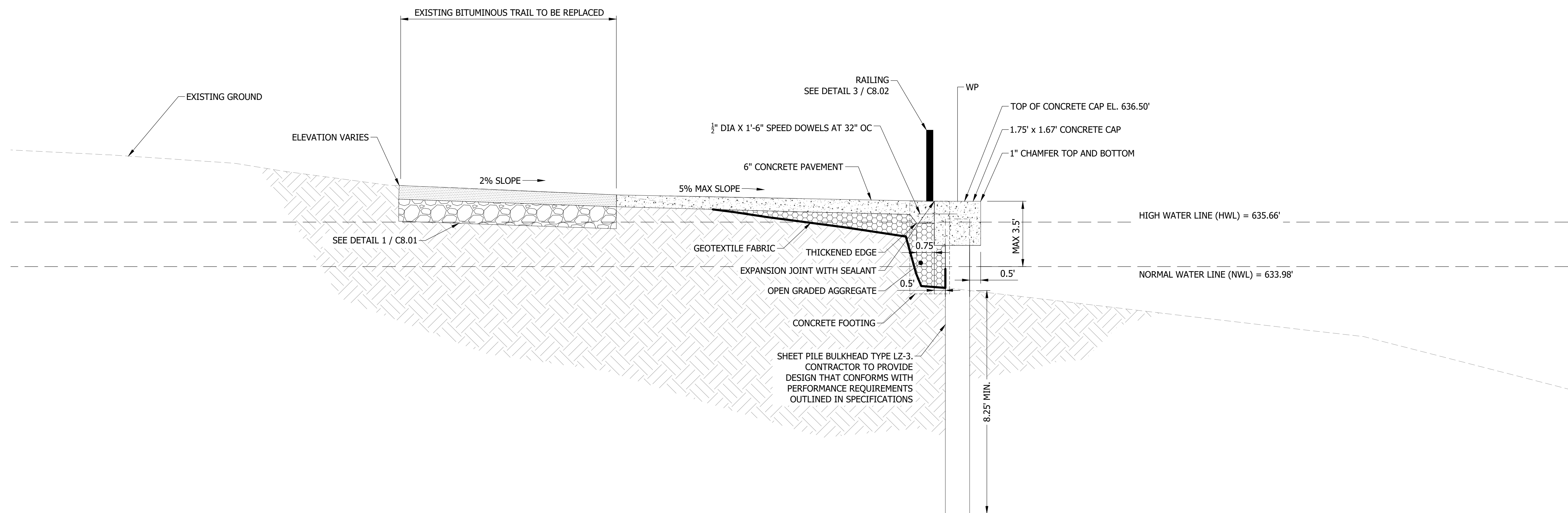
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SURVEY WT  
DRAWN KG, SW  
DESIGNED CB  
CHECKED CB  
APPROVED TN  
PROJ. NO. 173420083

SHEET NUMBER  
**C7.04**

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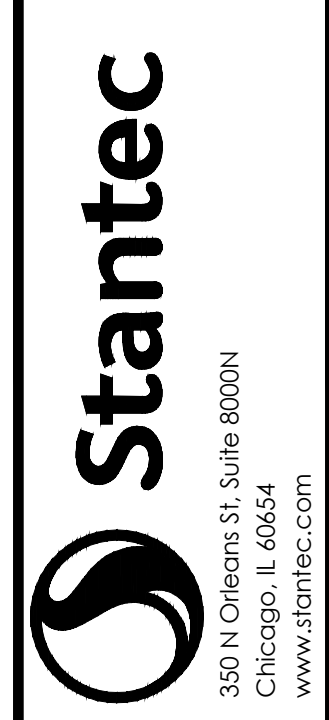
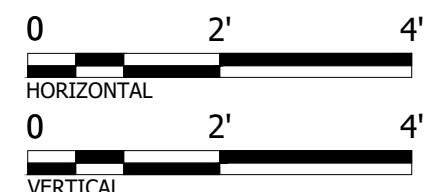
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**E SHEET PILE FISHING WALL  
TYPICAL SECTION**

- CONSTRUCTION NOTES:**
1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
  2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
  3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS. RUBBLIZE MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
  4. INSTALL SHEET PILE BULKHEAD TYPE LZ-3 TO SPECIFIED DEPTH.
  5. CLEAR AND GRUB REMAINING AREAS TO PREPARE THE SITE AND ROUGH GRADE WORK AREA PER GRADING PLANS.
  6. PLACE OPEN GRADED AGGREGATE MATERIAL.
  7. INSTALL CONCRETE CAP ON TOP OF SHEET PILE.
  8. INSTALL CONCRETE PAVEMENT AND CONCRETE ACCESSORIES.
  9. INSTALL RAILING ONCE CONCRETE IS CURED.
  10. COMPLETE REPLACEMENT OF BITUMINOUS PATH.
  11. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
  12. SEEDING, PLANT INSTALLATION AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.

NOTE: CONTRACTOR TO PROVIDE DESIGN FOR SHEET PILE AND CAP THAT CONFORMS WITH PERFORMANCE REQUIREMENT OUTLINED IN THE GEOTECHNICAL REPORT. CONCRETE PAVEMENT MUST CONFORM WITH PROJECT DETAILS AND SPECIFICATIONS.



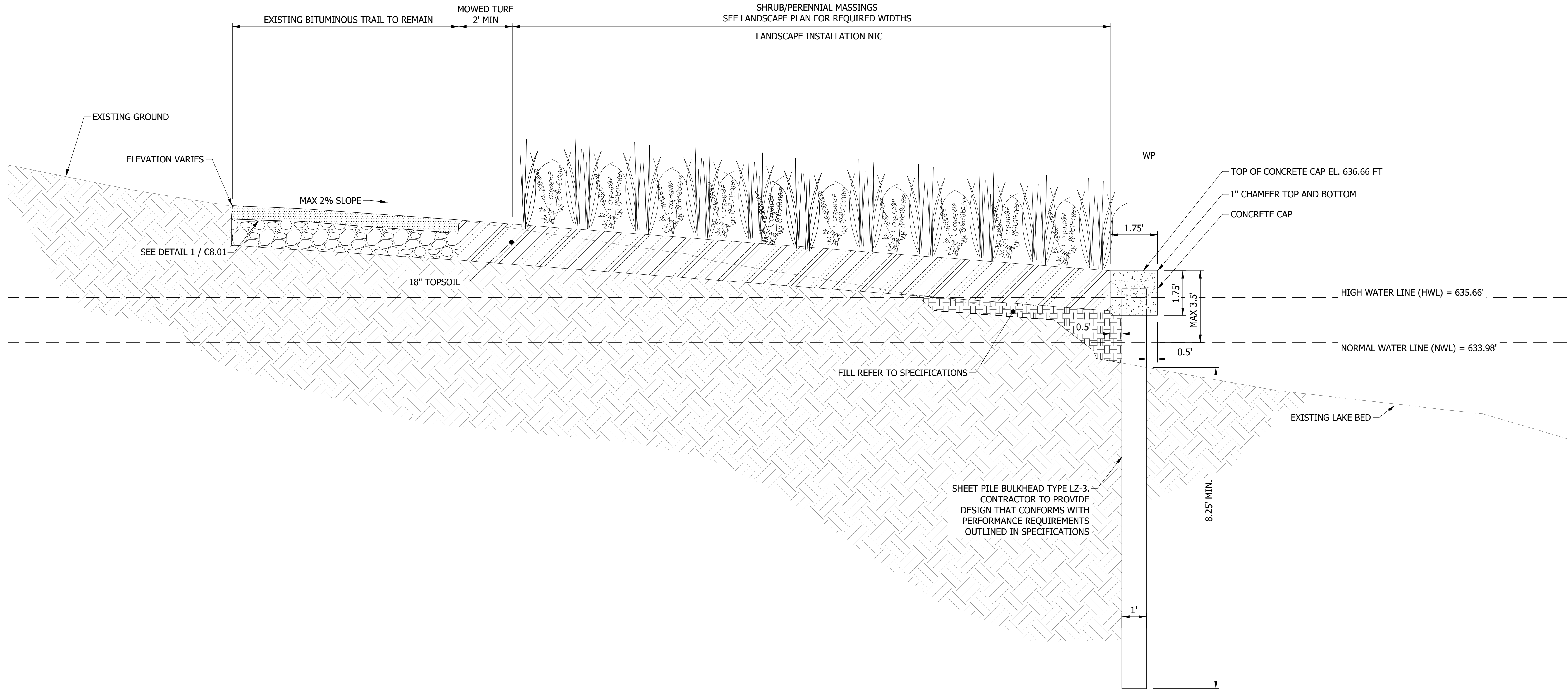
**ISSUED FOR  
CONSTRUCTION**  
SUBJECT TO ADDENDA

**TYPICAL SECTION E - SHEET PILE FISHING WALL**  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO	REVISION DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	
<b>C7.05</b>	

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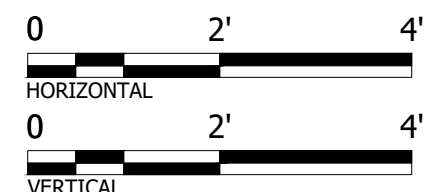
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**F** SHEET PILE WALL  
TYPICAL SECTION

- CONSTRUCTION NOTES:
1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
  2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
  3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS. RUBBLIZE MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
  4. INSTALL SHEET PILE BULKHEAD TYPE LZ-3 TO SPECIFIED DEPTH.
  5. CLEAR AND GRUB REMAINING AREAS TO PREPARE THE SITE AND ROUGH GRADE WORK AREA PER GRADING PLANS.
  6. PLACE FILL BEHIND SHEET PILE WALL PER PROJECT SPECIFICATIONS.
  7. INSTALL CONCRETE CAP ON TOP OF SHEET PILE.
  8. PERFORM FINE GRADING OPERATIONS AND PLACE TOPSOIL. NOTIFY OWNER AND ENGINEER WHEN COMPLETE.
  9. EXECUTE BITUMINOUS TRAIL REPLACEMENT WORK ONCE SHORELINE EARTHWORK ACTIVITIES ARE COMPLETE. COMPLETE REPLACEMENT OF BITUMINOUS PATH.
  10. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
  11. SEEDING, PLANT INSTALLATION AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.

NOTE: CONTRACTOR TO PROVIDE DESIGN FOR SHEET PILE AND CAP THAT CONFORMS WITH PERFORMANCE REQUIREMENT OUTLINED IN THE GEOTECHNICAL REPORT.



ISSUED FOR  
CONSTRUCTION  
SUBJECT TO ADDENDA

TYPICAL SECTION F - SHEET PILE WALL  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

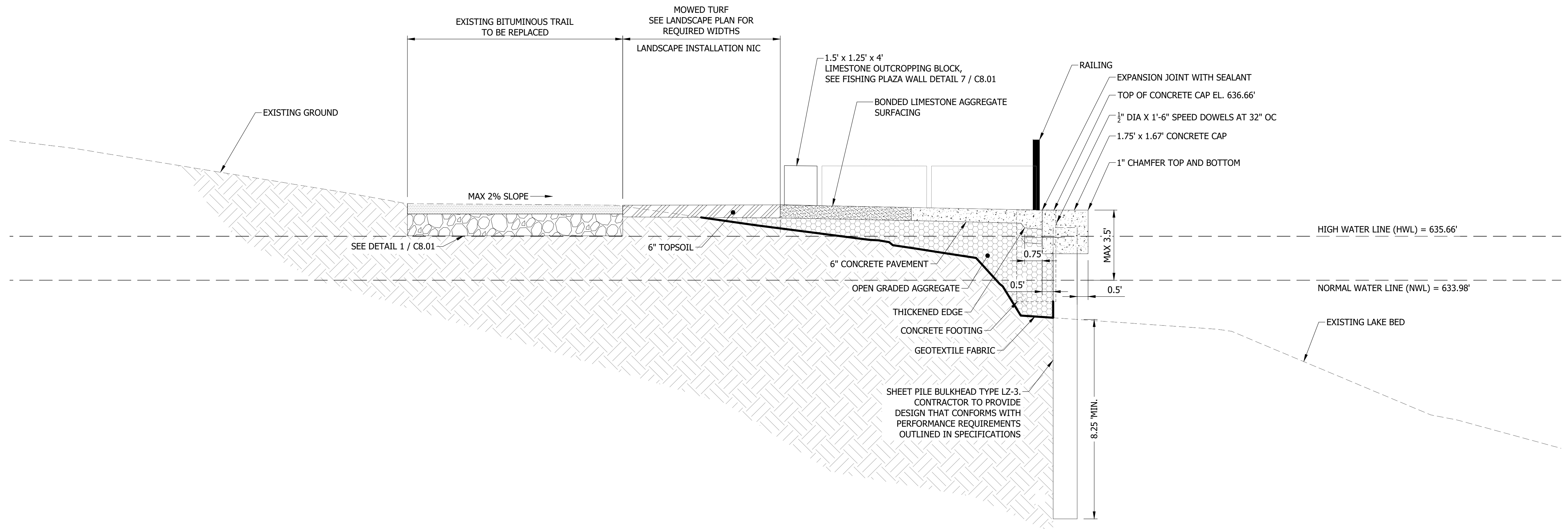
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January 8, 2024	
NO	REVISION DATE
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	
C7.06	

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

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NO	REVISION	DATE

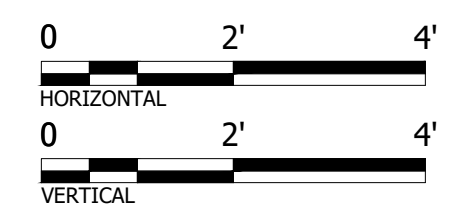
SURVEY	WT
DRAWN	KG, SW
DESIGNED	CB
CHECKED	CB
APPROVED	TN
PROJ. NO.	173420083



**G** FISHING PLAZA  
 TYPICAL SECTION

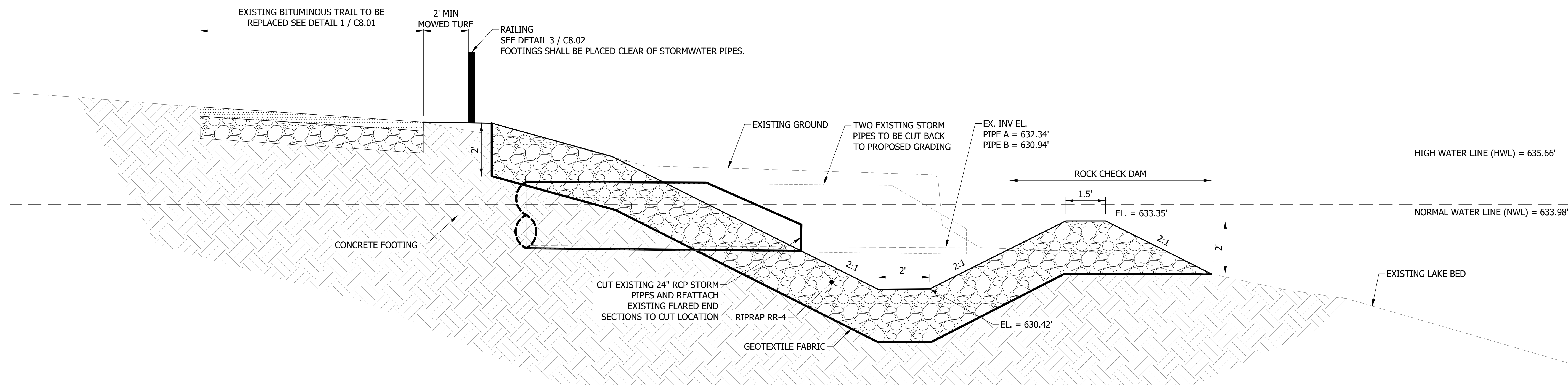
- CONSTRUCTION NOTES:
1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
  2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
  3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS. RUBBLIZE MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
  4. INSTALL SHEET PILE BULKHEAD TYPE LZ-3 TO SPECIFIED DEPTH.
  5. CLEAR AND GRUB REMAINING AREAS TO PREPARE THE SITE AND ROUGH GRADE WORK AREA PER GRADING PLANS.
  6. LAY GEOTEXTILE FABRIC AND PLACE OPEN GRADED AGGREGATE MATERIAL.
  7. INSTALL CONCRETE CAP ON TOP OF SHEET PILE.
  8. INSTALL CONCRETE PAVEMENT, CONCRETE ACCESSORIES, AND BONDED LIMESTONE AGGREGATE SURFACING.
  9. INSTALL RAILING AND LIMESTONE BLOCKS ONCE CONCRETE IS CURED.
  10. PERFORM FINE GRADING OPERATIONS AND PLACE TOPSOIL. NOTIFY OWNER AND ENGINEER WHEN COMPLETE.
  11. COMPLETE REPLACEMENT OF BITUMINOUS PATH ONCE SHORELINE EARTHWORK ACTIVITIES ARE COMPLETE.
  12. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
  13. SEEDING, PLANT INSTALLATION, AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.

NOTE: CONTRACTOR TO PROVIDE DESIGN FOR SHEET PILE AND CAP THAT CONFORMS WITH PERFORMANCE REQUIREMENT OUTLINED IN THE GEOTECHNICAL REPORT. CONCRETE PAVEMENT AND AGGREGATE MUST CONFORM WITH PROJECT DETAILS AND SPECIFICATIONS.



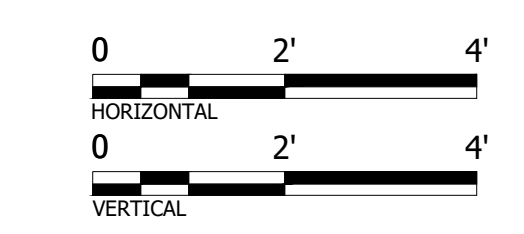
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. STANTEC SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS MADE BY THE CONTRACTOR OR FOR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC. IS FORBIDDEN.

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**H** SEDIMENT FOREBAY  
TYPICAL SECTION

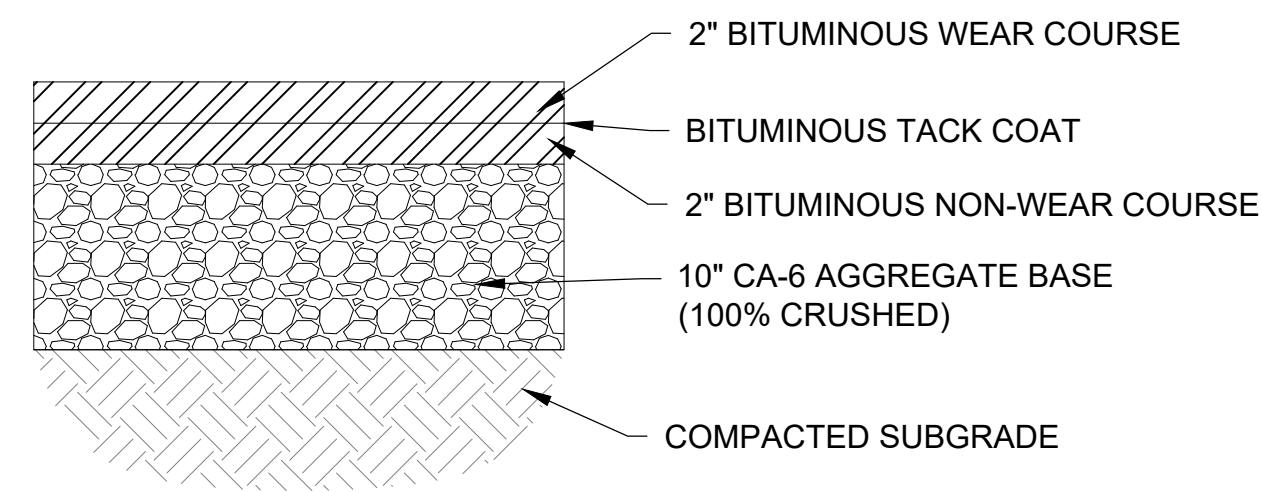
- CONSTRUCTION NOTES:
1. INSTALL FLOATING SILT CURTAIN IN LAKE ADJACENT TO WORK AREA PER EROSION CONTROL PLAN.
  2. RUBBLIZE EXISTING SLURRY MIX IN PLACE AND PROCESS SO THAT CRUSHED MATERIAL MEETS SPECIFICATION FOR RR-4.
  3. MOVE RUBBLIZED SLURRY MIX ADJACENT TO WORK AREA OR TO DESIGNATED STAGING AREAS.
  4. ROUGH GRADE WORK AREA PER TYPICAL SECTION AND GRADING PLANS TO PREPARE SUBGRADE SURFACE.
  5. REMOVE FLARED END SECTIONS ON PIPES AND MOVE TO AREA ADJACENT TO WORK AREA OR DESIGNATED STAGING AREAS. FLARED END SECTIONS ARE TO BE REUSED IF DEEMED TO BE IN GOOD CONDITION BY OWNER AND ENGINEER.
  6. SAWCUT AND DISPOSE OF EXCESS PIPE LENGTHS.
  7. LAY GEOTEXTILE FABRIC AND INSTALL RR-4 MATERIAL. EXCESS RUBBLIZED MATERIAL TO BE USED ELSEWHERE IN THE PROJECT AREA OR DISPOSED OF OFF SITE.
  8. PLACE AND REATTACH FLARED END SECTIONS PENDING BEDDING MATERIAL INSPECTION PERFORMED BY OWNER AND ENGINEER. INVERT ELEVATIONS OF FLARED END SECTIONS SHALL MEET FINAL GRADES OF RR-4 SURFACE.
  9. PERFORM FINE GRADING OPERATIONS AND PLACE TOPSOIL. NOTIFY ENGINEER WHEN COMPLETE.
  10. COMPLETE REPLACEMENT OF BITUMINOUS PATH ONCE SHORELINE EARTHWORK ACTIVITIES ARE COMPLETE.
  11. INSTALL RAILING.
  12. STABILIZE ADJACENT DISTURBED AREAS WITH EROSION CONTROL BLANKET IF WORK IS COMPLETED OUTSIDE OF APPROVED PLANTING DATES.
  13. SEEDING, PLANT INSTALLATION, AND FINAL RESTORATION TO BE PERFORMED UNDER SEPARATE CONTRACT.



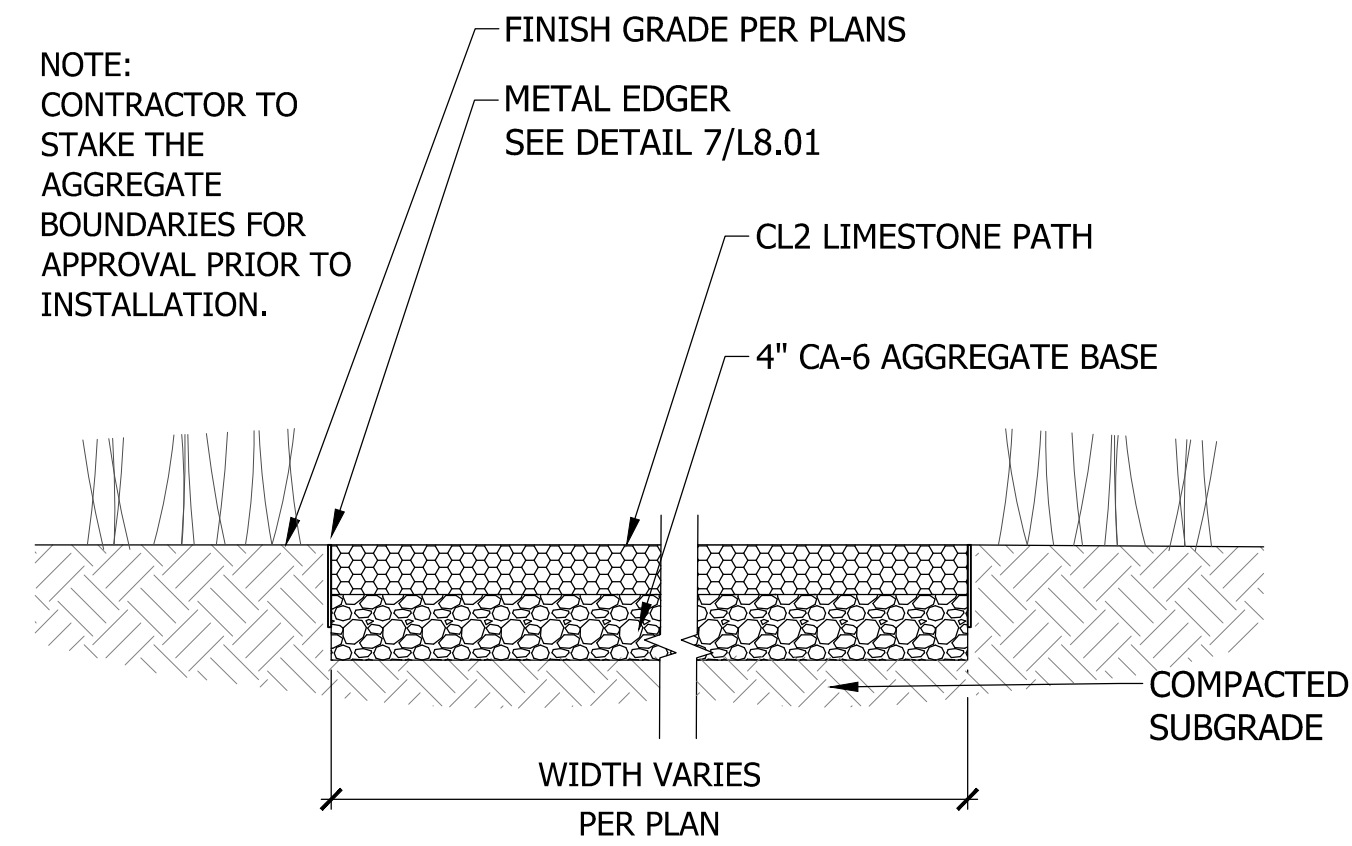
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PROJ. NO.	173420083	
SHEET NUMBER	C7.08	



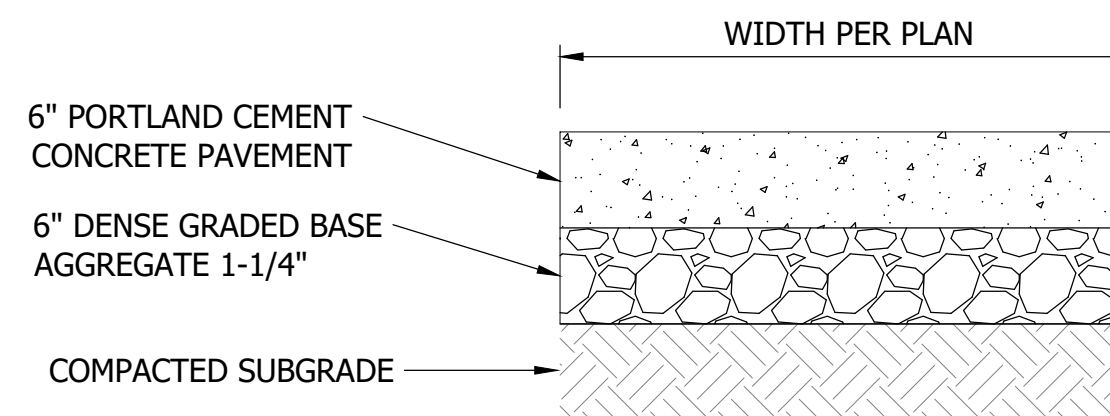
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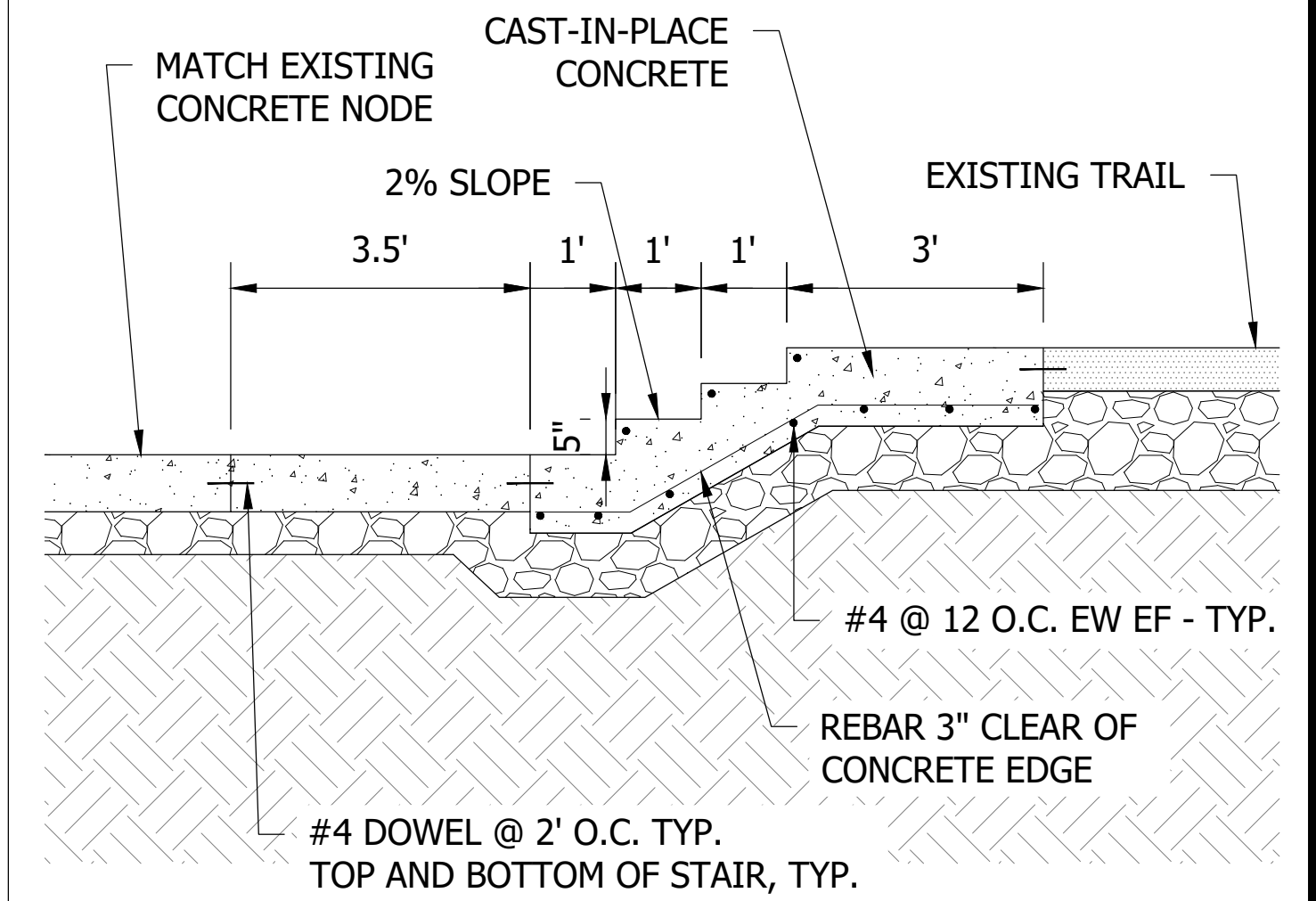
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C8.01 NTS



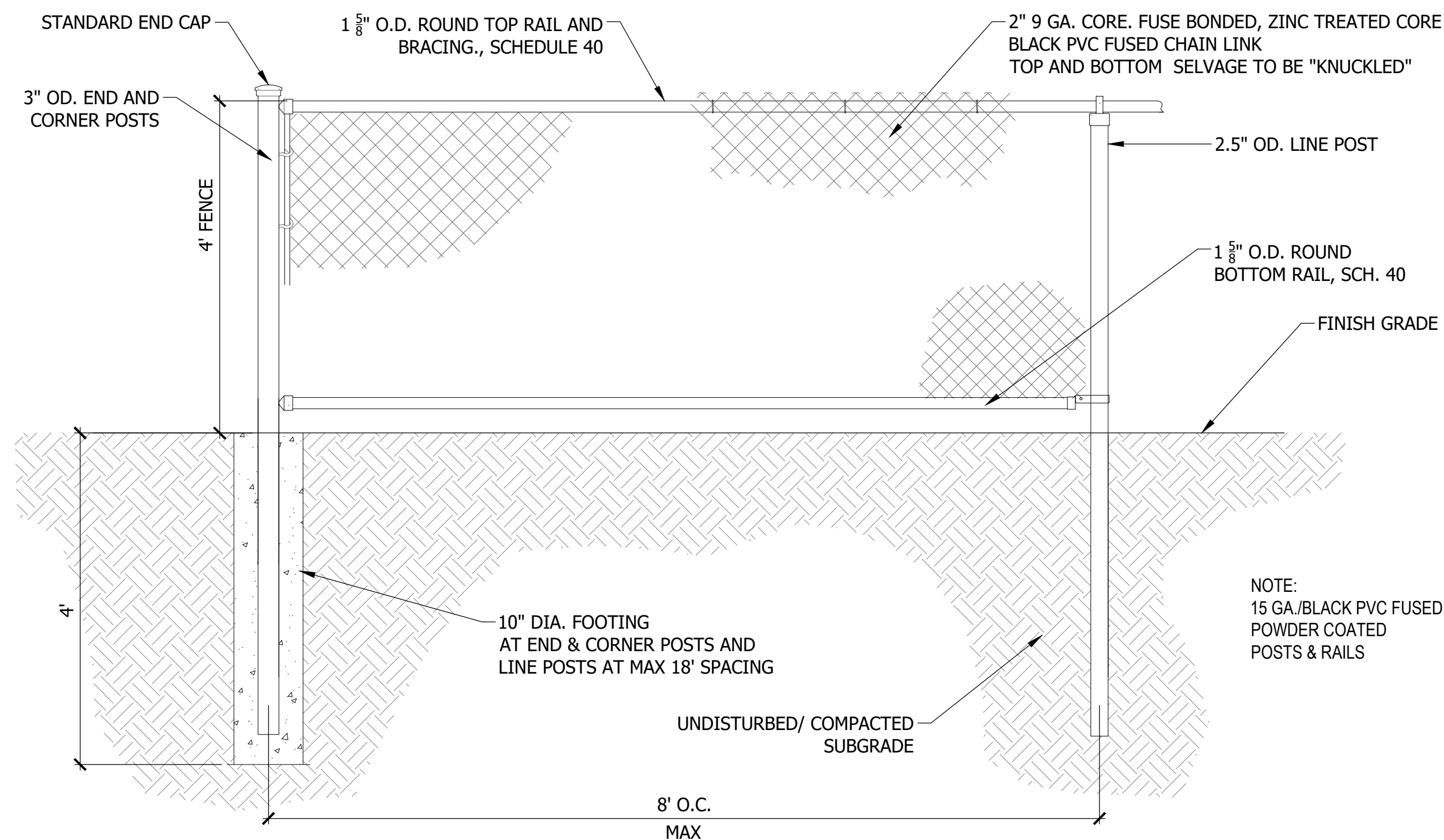
2 BONDED LIMESTONE AGGREGATE SURFACING  
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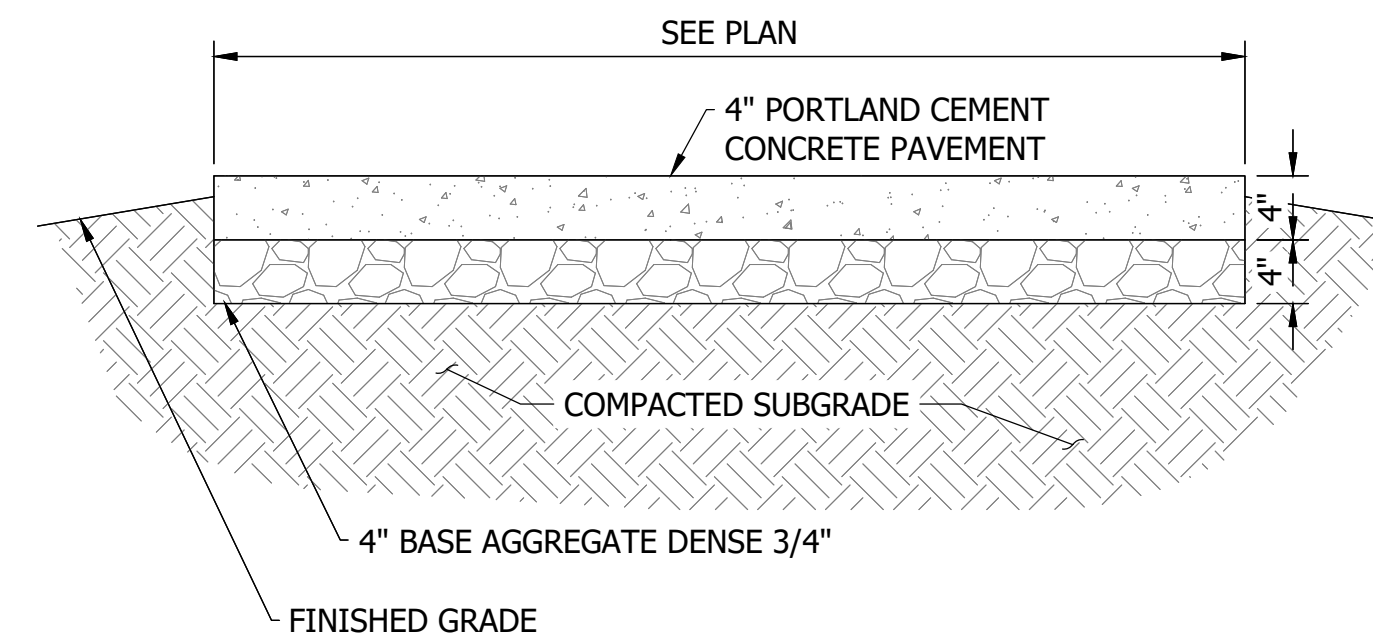
3 CONCRETE PAVEMENT  
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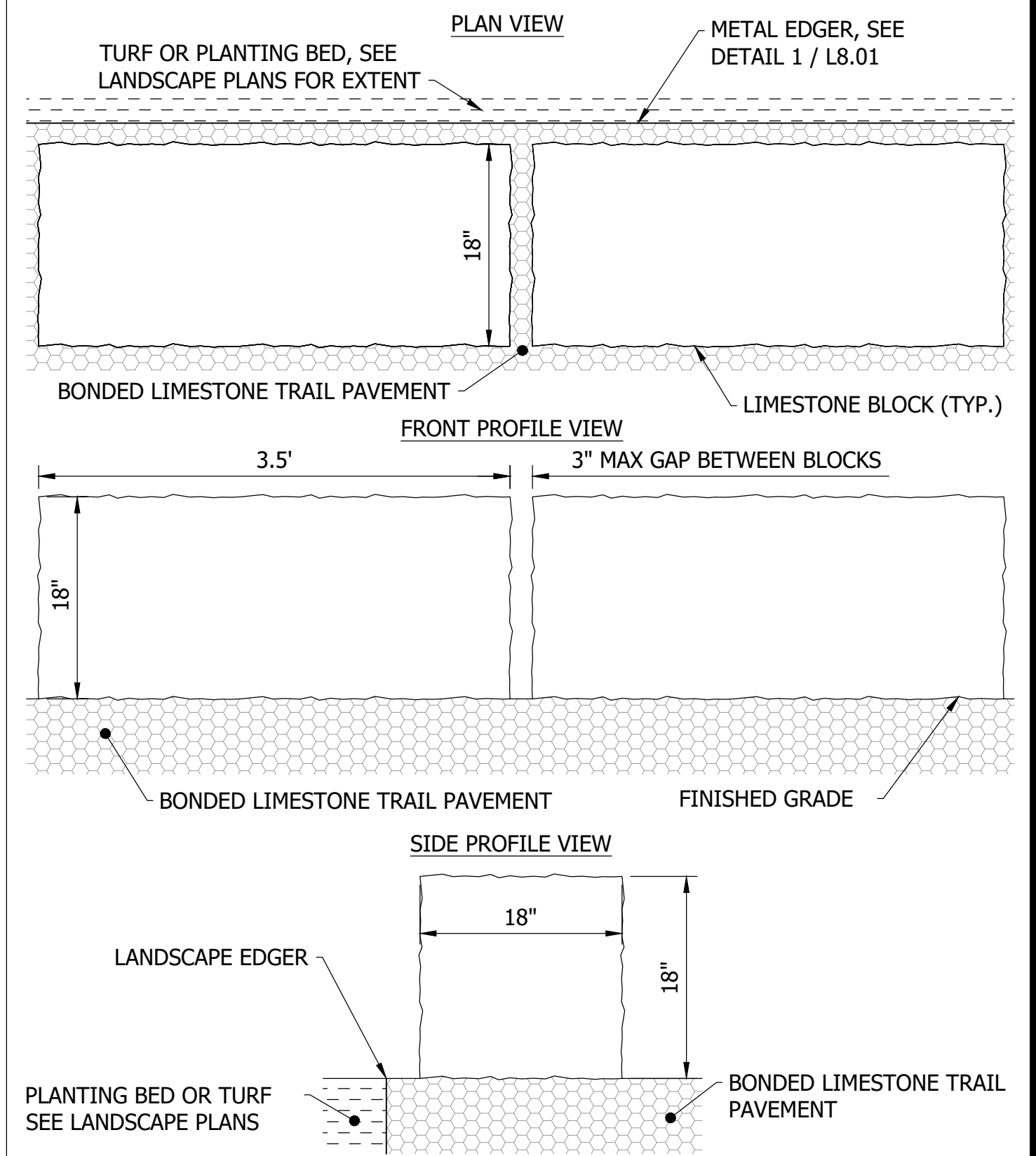
4 CONCRETE STAIRS  
C8.01 NTS



5 CHAIN LINK FENCE  
C8.01 NTS



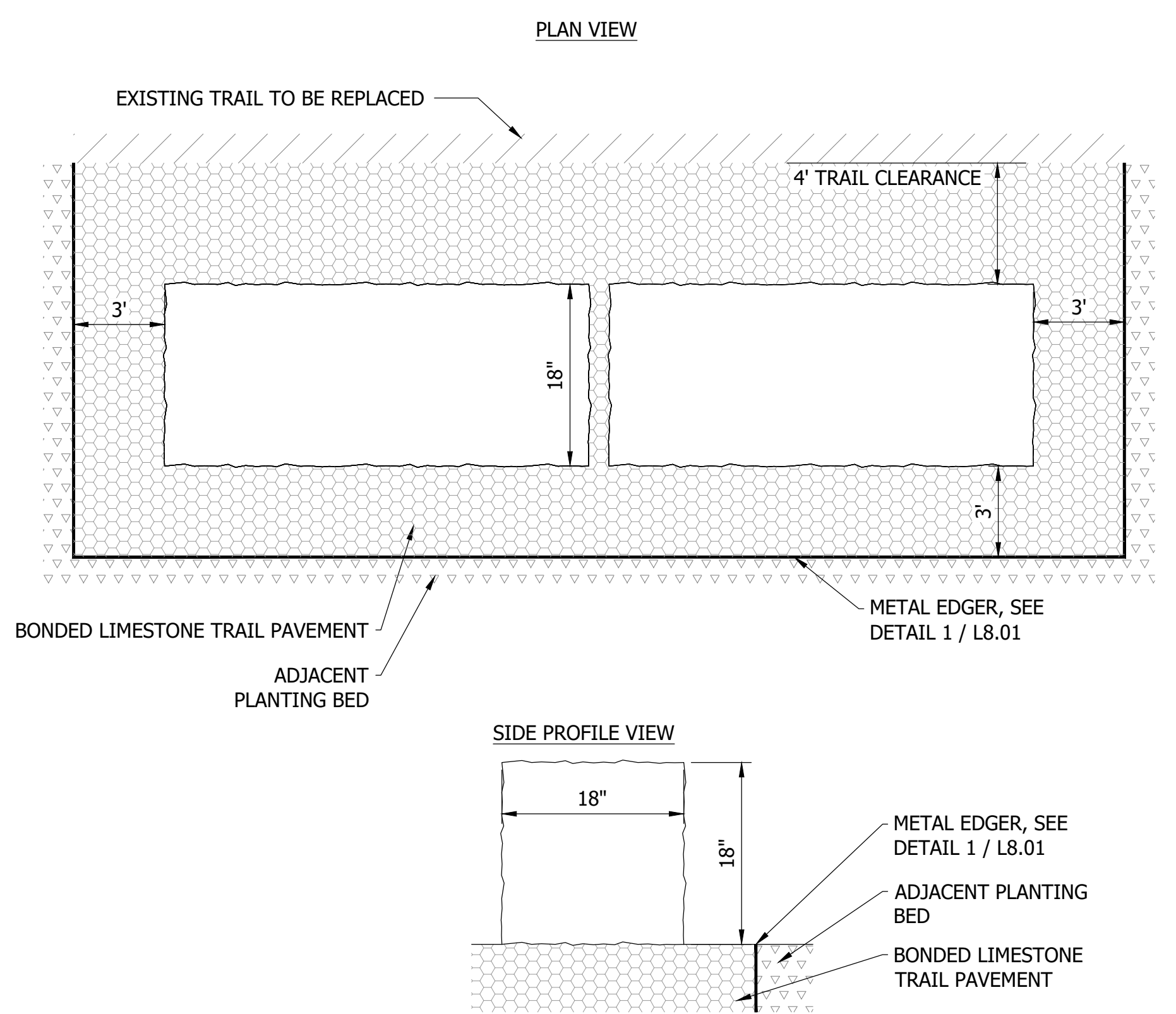
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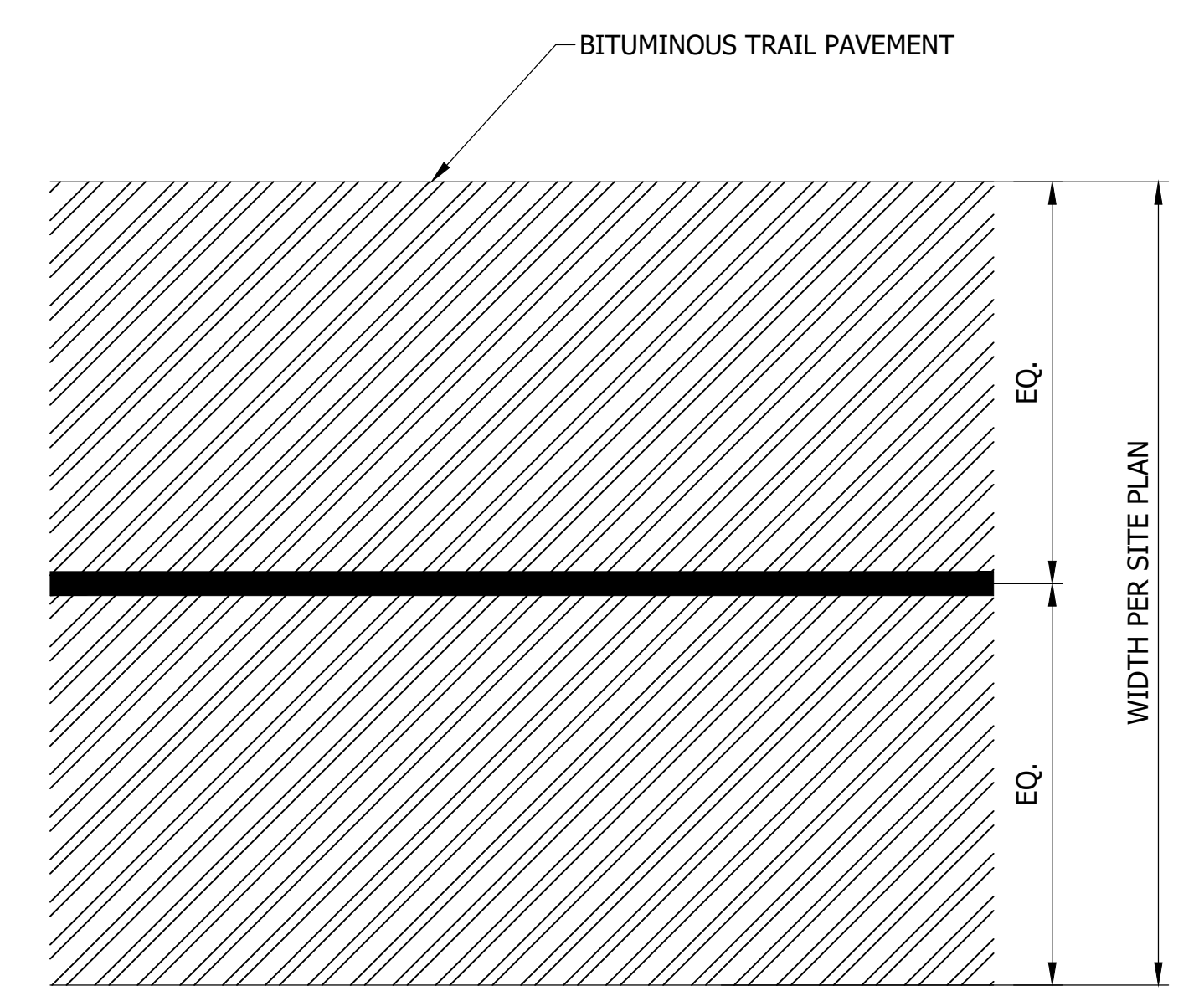
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C8.01 NTS

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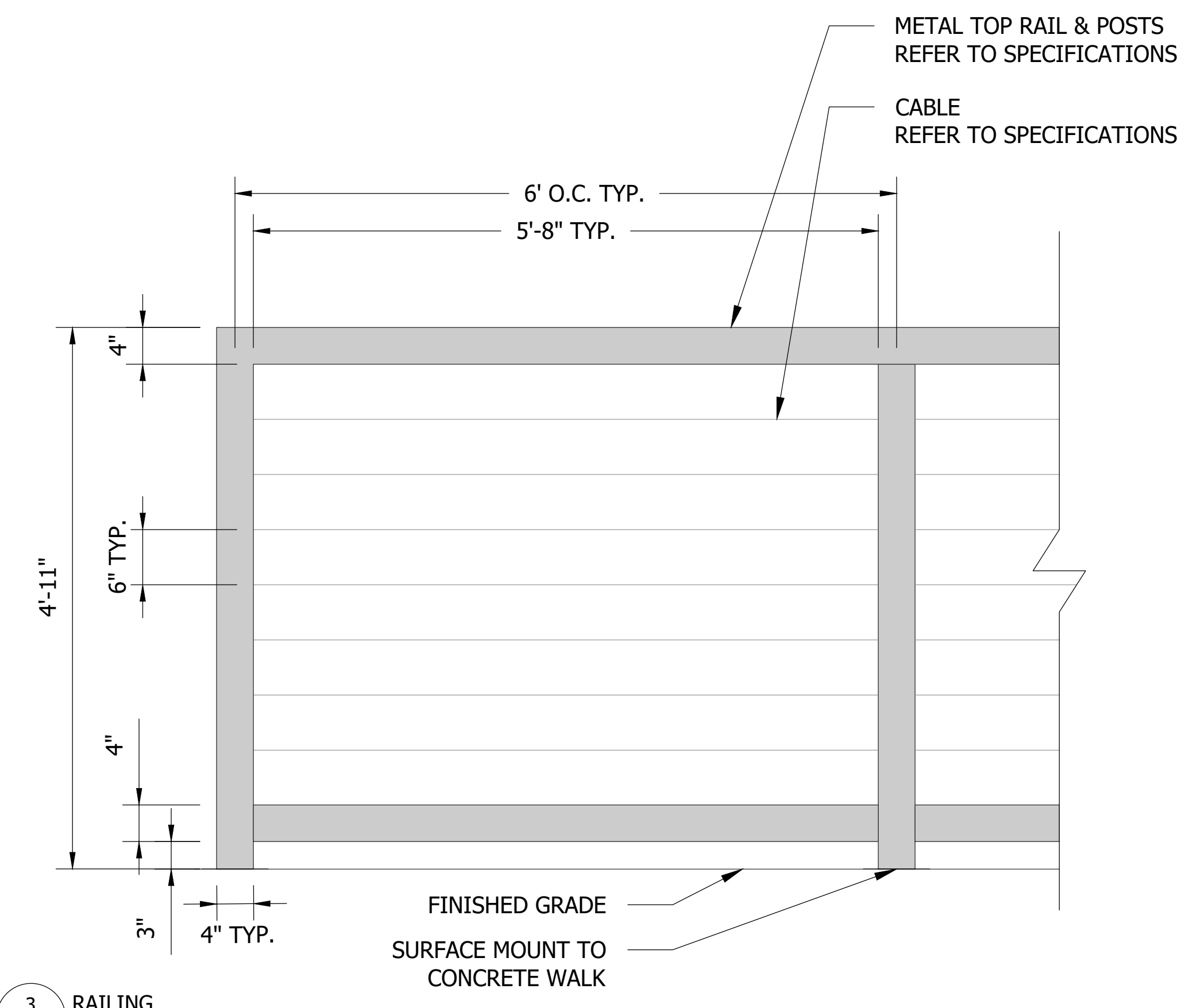


1 LIMESTONE SEATING  
C8.02 NTS

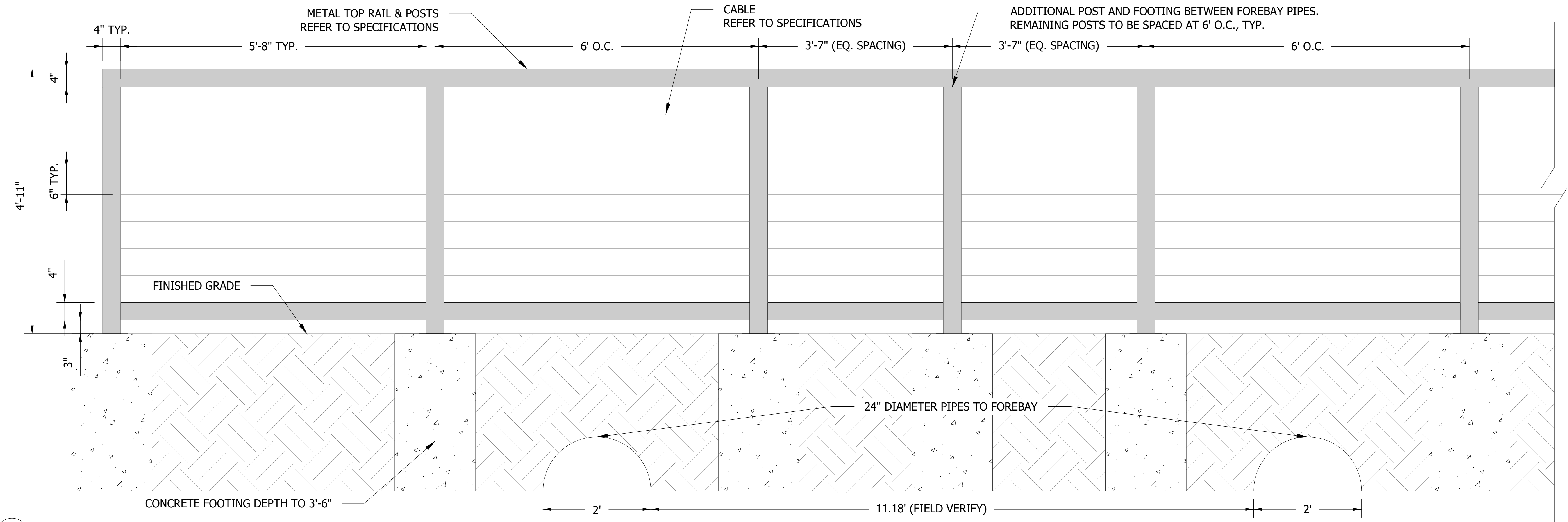


NOTES:  
1. ALL NEW TRAIL SHOULD HAVE STRIPING  
2. STRIPING MATERIAL AND SIZING PER PROJECT SPECIFICATIONS

2 BITUMINOUS TRAIL PAVEMENT STRIPING  
C8.02 NTS



3 RAILING  
C8.02 NTS

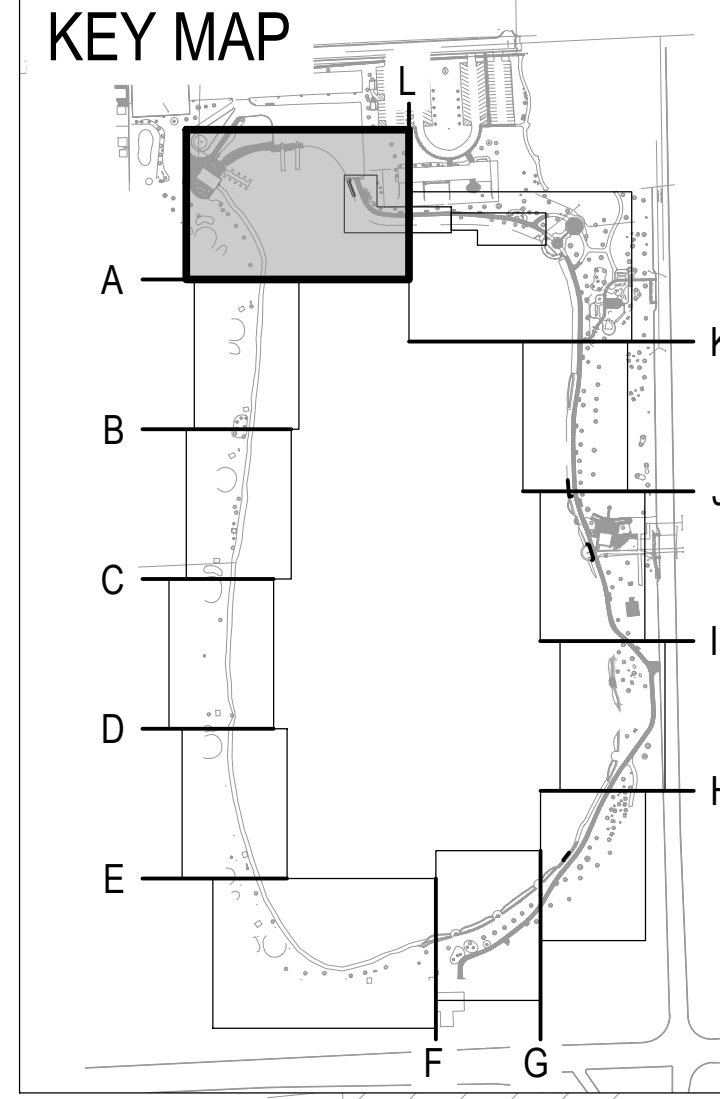
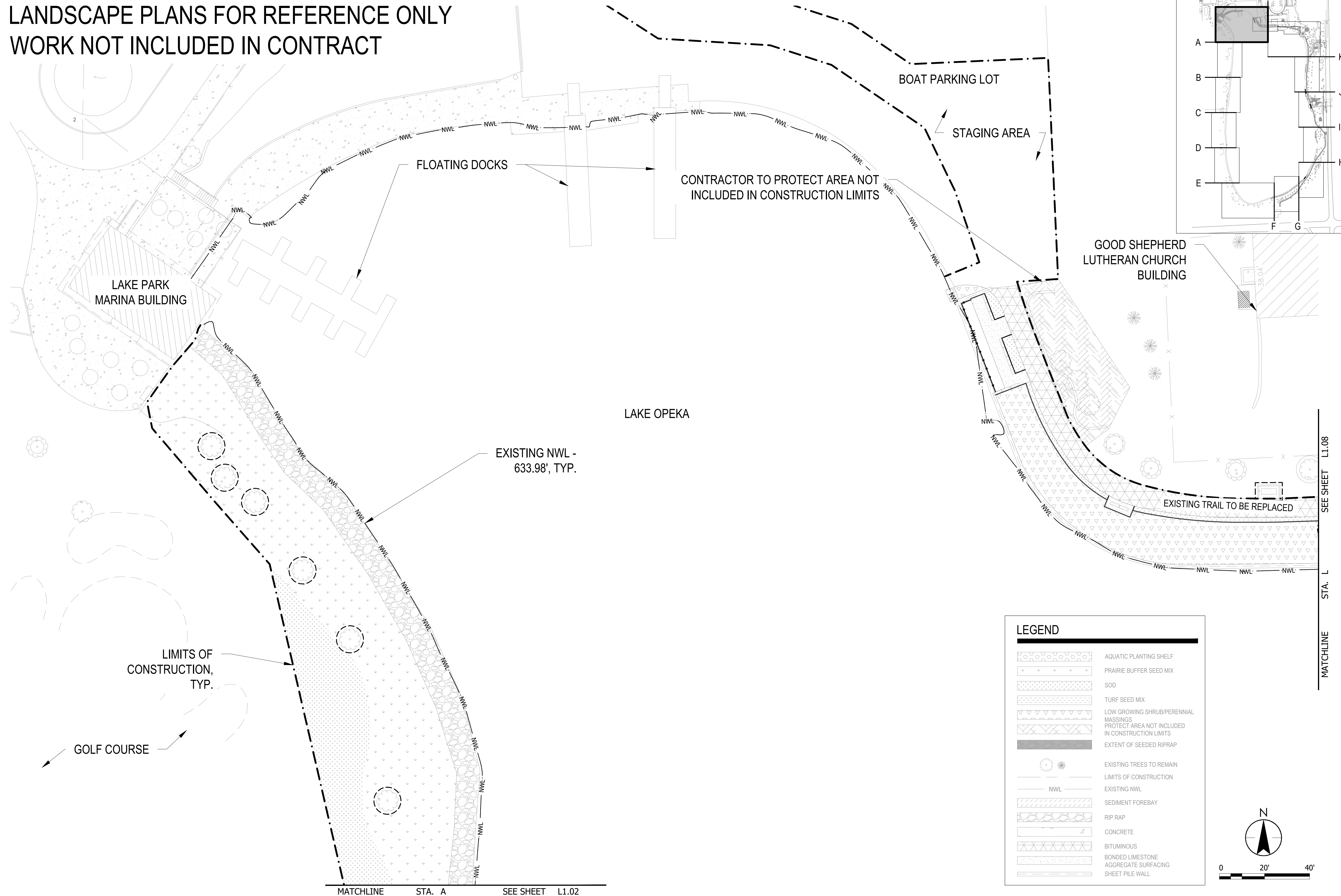


4 RAILING AT SEDIMENT FOREBAY  
C8.02 NTS

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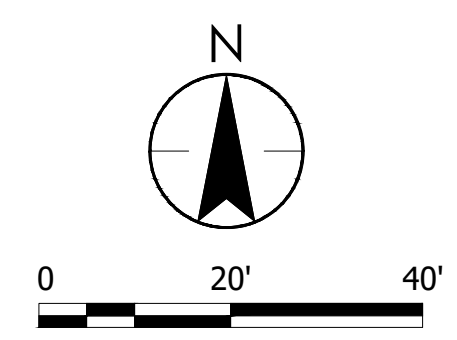
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# LANDSCAPE PLANS FOR REFERENCE ONLY WORK NOT INCLUDED IN CONTRACT



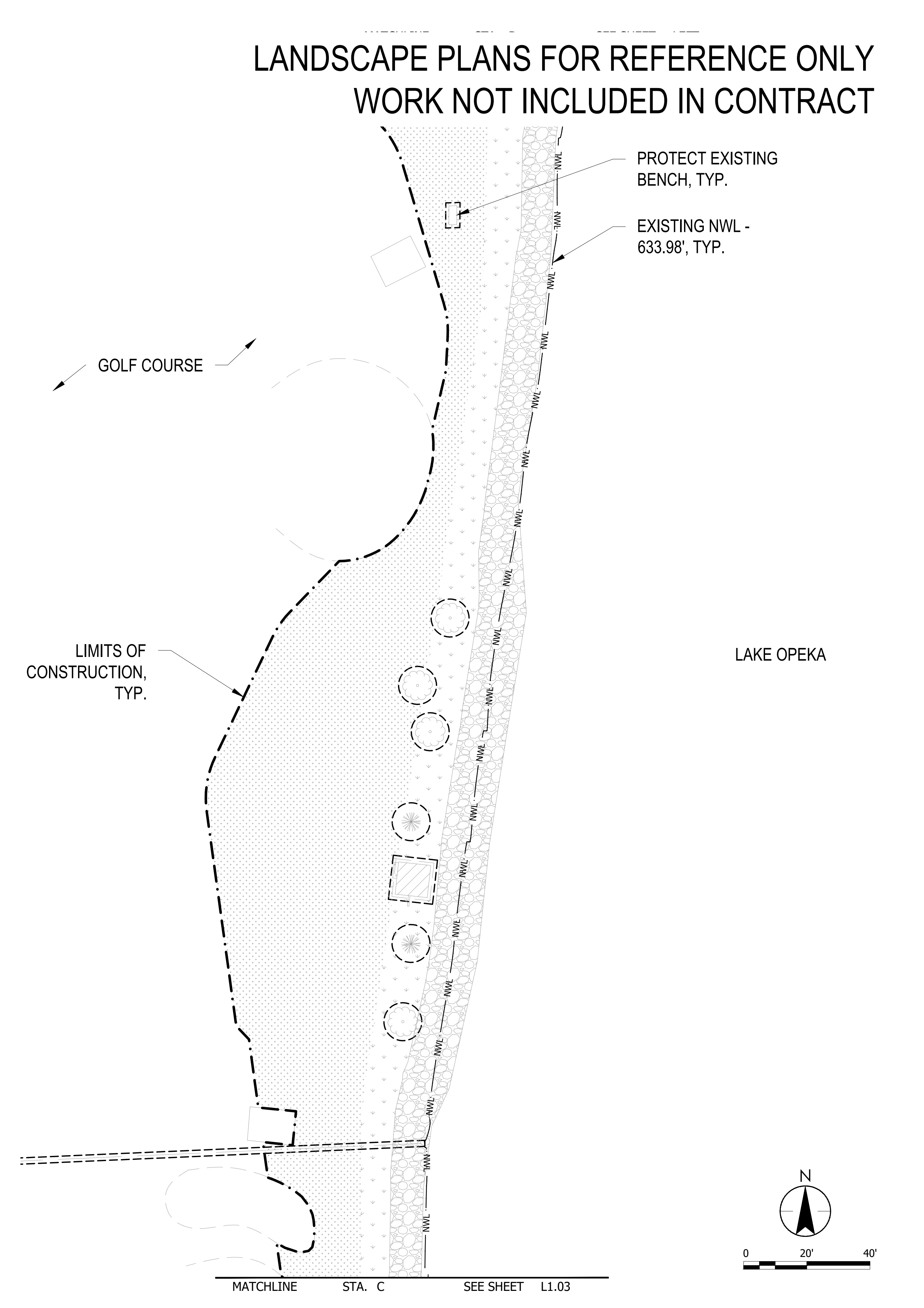
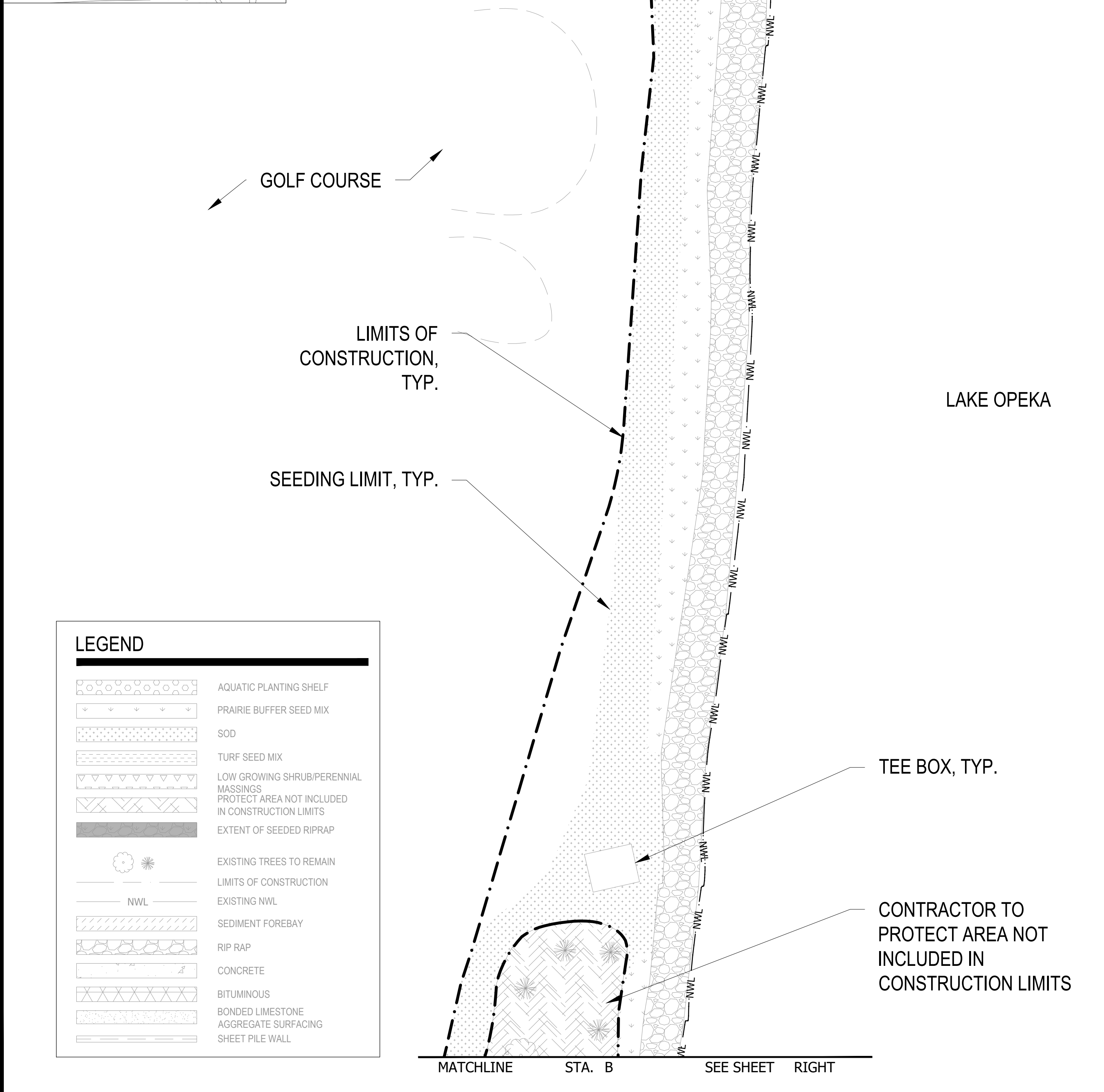
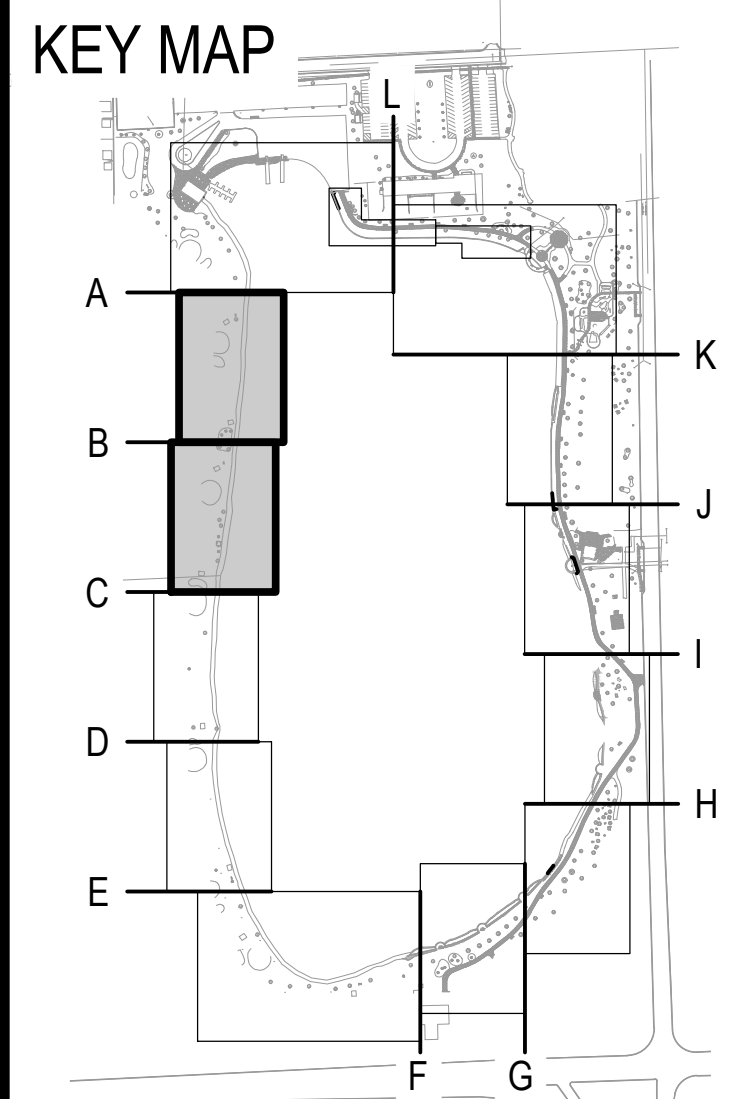
**LEGEND**

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	PRAIRIE BUFFER SEED MIX
	SOD
	TURF SEED MIX
	LOW GROWING SHRUB/PERENNIAL MASSINGS
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	EXTENT OF SEEDED RIPRAP
	EXISTING TREES TO REMAIN
	LIMITS OF CONSTRUCTION
	EXISTING NWL
	SEDIMENT FOREBAY
	RIP RAP
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE
	AGGREGATE SURFACING
	SHEET PILE WALL



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**LANDSCAPE PLANS FOR REFERENCE ONLY  
WORK NOT INCLUDED IN CONTRACT**

LEGEND	
	AQUATIC PLANTING SHELF
	PRAIRIE BUFFER SEED MIX
	SOD
	TURF SEED MIX
	LOW GROWING SHRUB/PERENNIAL MASSINGS
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	EXTENT OF SEEDED RIPRAP
	EXISTING TREES TO REMAIN
	LIMITS OF CONSTRUCTION
	EXISTING NWL
	SEDIMENT FOREBAY
	RIP RAP
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	SHEET PILE WALL

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350 N Orleans St, Suite 800N  
Chicago, IL 60654  
www.stantec.com

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**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

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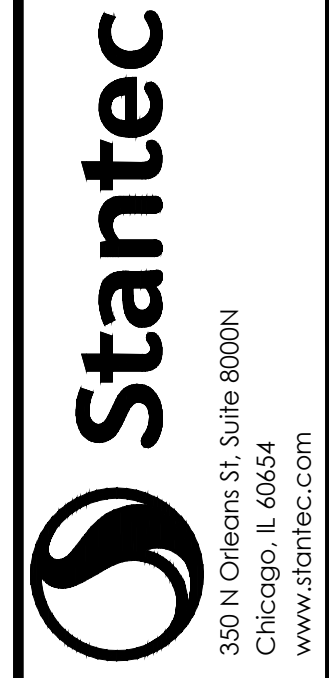
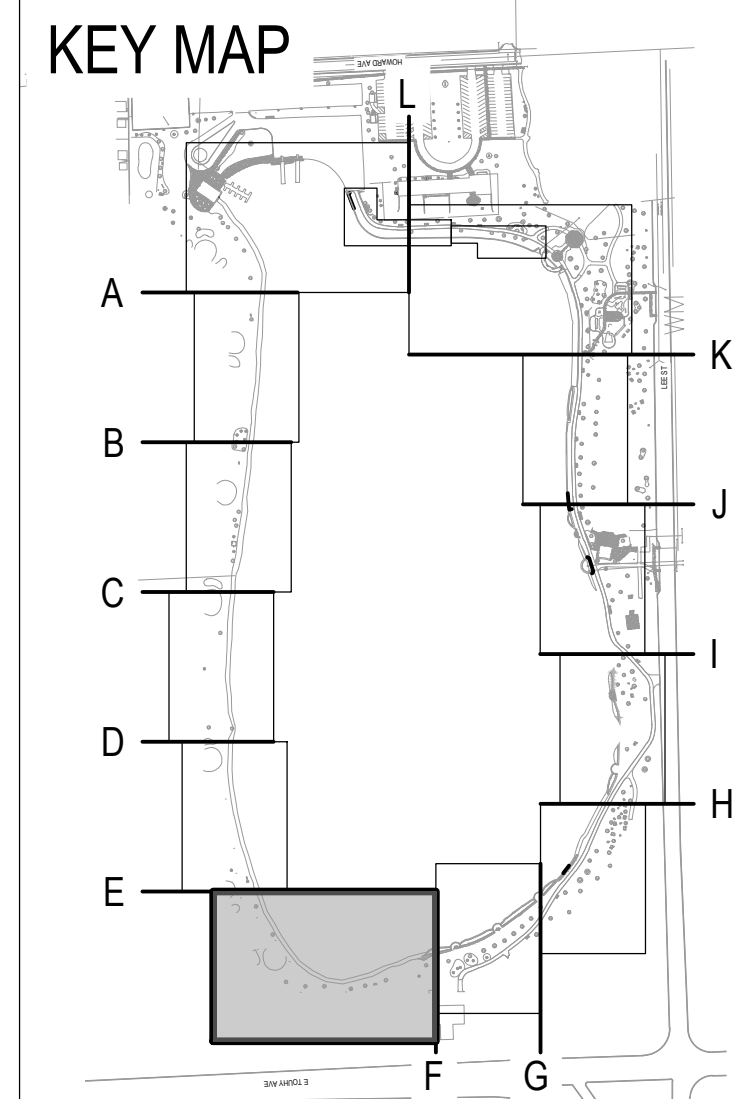
**LANDSCAPE PLAN**  
 LAKE OPEKA SHORELINE RESTORATION  
 DES PLAINES PARK DISTRICT  
 DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO/REVISION	DATE
SURVEY	WT
DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	
<b>L1.02</b>	



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# LANDSCAPE PLANS FOR REFERENCE ONLY WORK NOT INCLUDED IN CONTRACT



**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

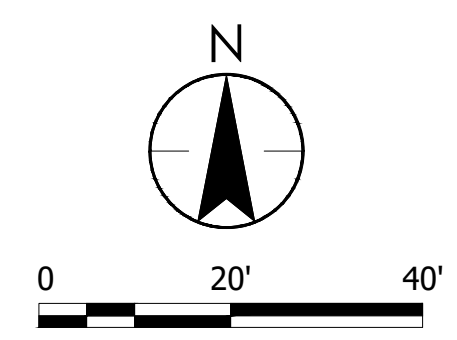
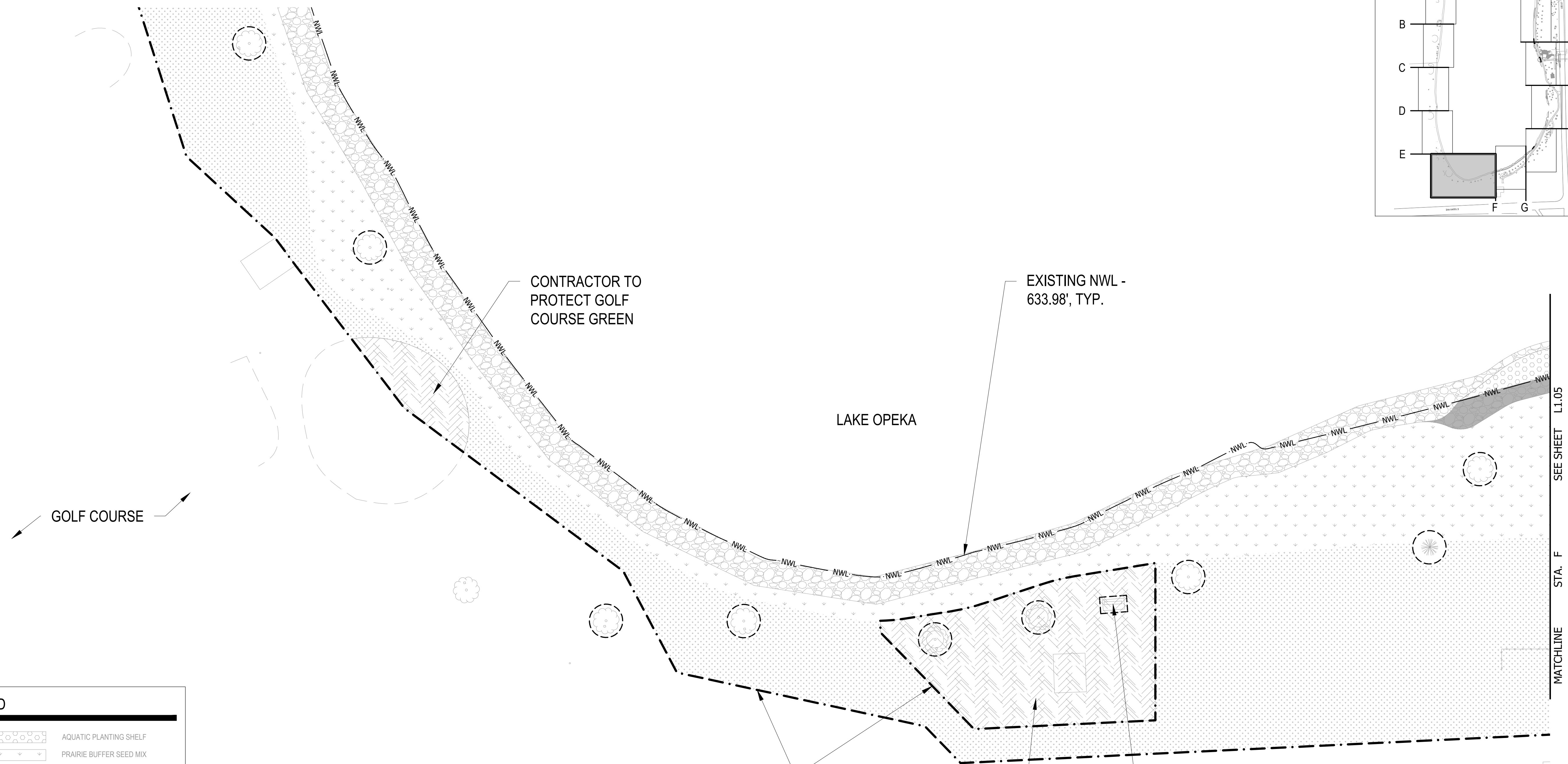
**LANDSCAPE PLAN**  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO. REVISION	DATE
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DRAWN	RB
DESIGNED	AK
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PROJ. NO.	173420083
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**LEGEND**

- AQUATIC PLANTING SHELF
- PRAIRIE BUFFER SEED MIX
- SOD
- TURF SEED MIX
- LOW GROWING SHRUB/PERENNIAL MASSINGS
- PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
- EXTENT OF SEEDED RIPRAP
- EXISTING TREES TO REMAIN
- LIMITS OF CONSTRUCTION
- EXISTING NWL
- SEDIMENT FOREBAY
- RIP RAP
- CONCRETE
- BITUMINOUS
- BONDED LIMESTONE AGGREGATE SURFACING
- SHEET PILE WALL



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# LANDSCAPE PLANS FOR REFERENCE ONLY WORK NOT INCLUDED IN CONTRACT

LAKE OPEKA

- PROTECT EXISTING CONCRETE TO REMAIN
- PROTECT EXISTING TRASH CAN IN PLACE, TYP.
- PROTECT EXISTING TABLE & CONCRETE PAD IN PLACE, TYP.

SEEDING LIMIT, TYP.

EXISTING NWL - 633.98', TYP.

EXISTING BENCH, TYP.

EASTERN CONSTRUCTION ACCESS

LEE ST

EXISTING TRAIL TO BE REPLACED

LIMITS OF CONSTRUCTION, TYP.

LEGEND	
	AQUATIC PLANTING SHELF
	PRAIRIE BUFFER SEED MIX
	SOD
	TURF SEED MIX
	LOW GROWING SHRUB/PERENNIAL MASSINGS
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	EXTENT OF SEEDED RIPRAP
	EXISTING TREES TO REMAIN
	LIMITS OF CONSTRUCTION
	EXISTING NWL
	SEDIMENT FOREBAY
	RIP RAP
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	SHEET PILE WALL

MATCHLINE STA. H SEE SHEET L1.05

MATCHLINE STA. J SEE SHEET L1.07

PROTECT EXISTING CONCRETE TO REMAIN

EXISTING BUILDING

LAKE OPEKA

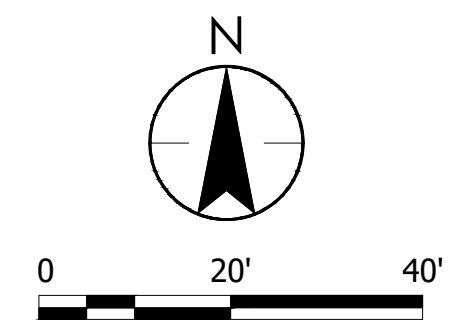
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EXISTING NWL - 633.98', TYP.

SEEDING LIMIT, TYP.

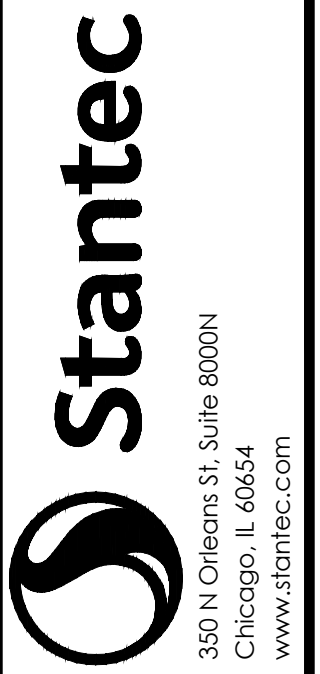
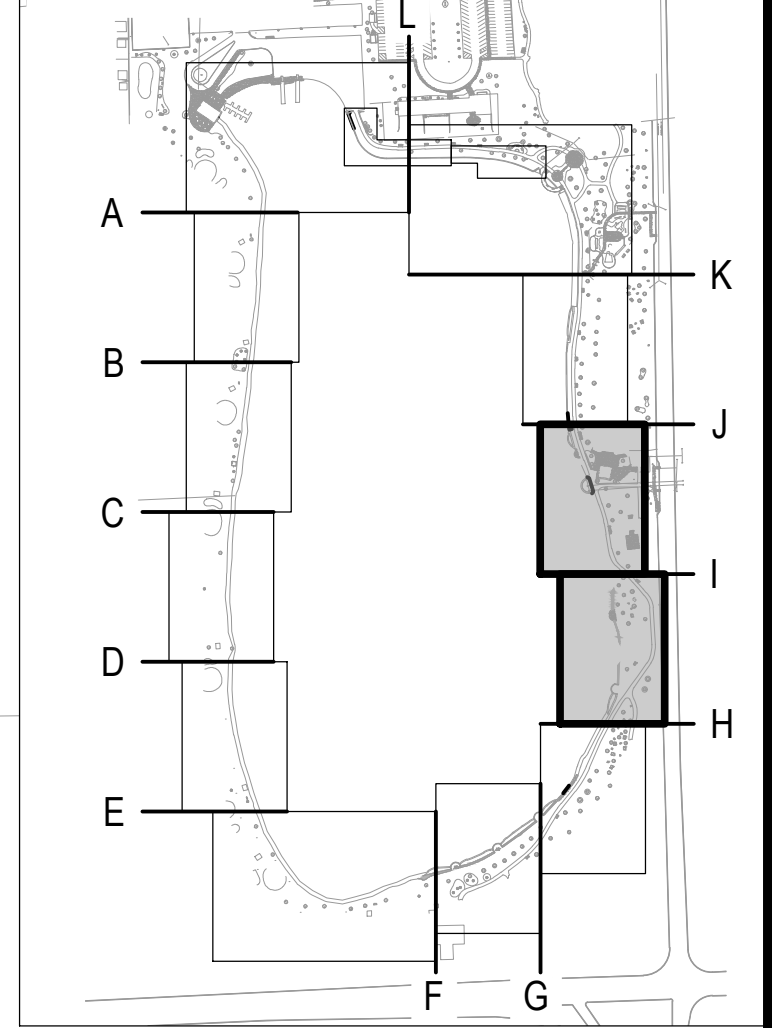
EXISTING SHELTER

LIMITS OF CONSTRUCTION, TYP.



MATCHLINE STA. I SEE SHEET LEFT

KEY MAP



ISSUED FOR CONSTRUCTION  
SUBJECT TO ADDENDA

LANDSCAPE PLAN  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE  
January 8, 2024

NO. REVISION DATE

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DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083

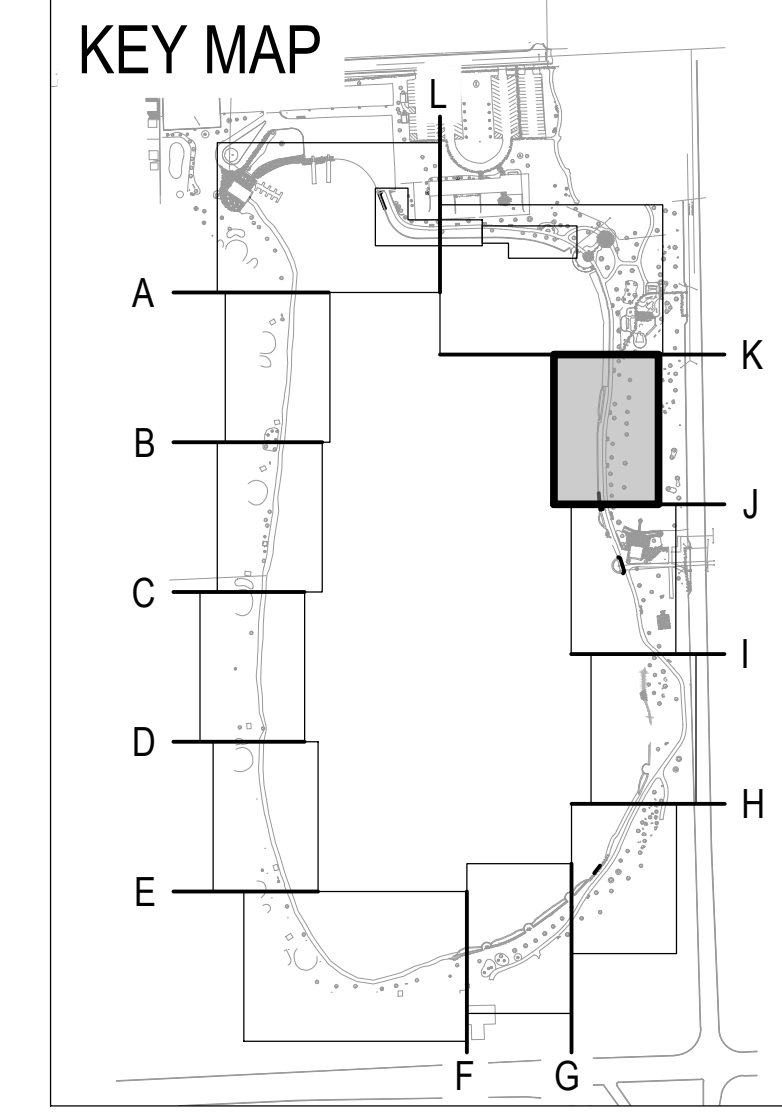
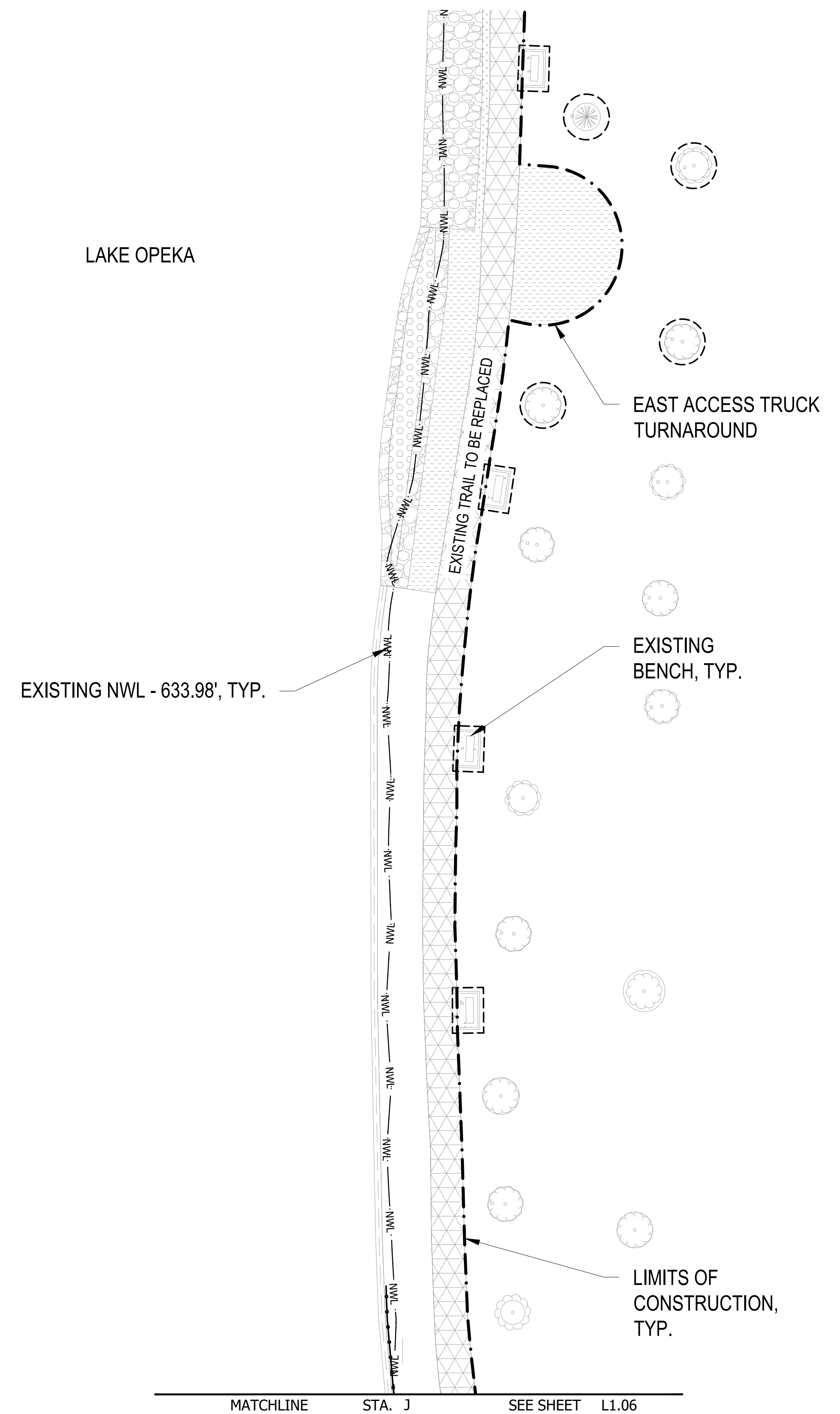
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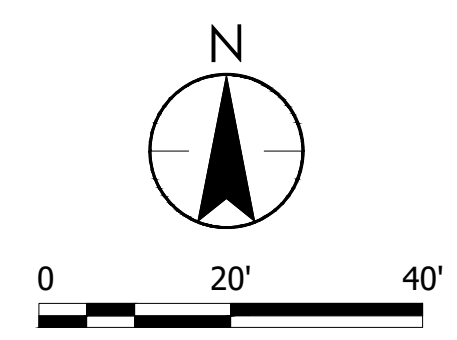
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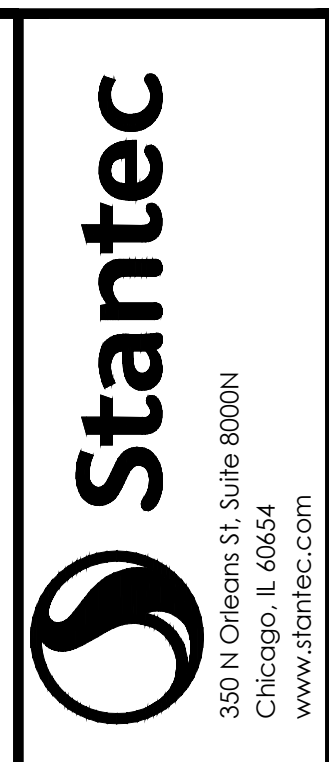


**LEGEND**

	AQUATIC PLANTING SHELF
	PRAIRIE BUFFER SEED MIX
	SOD
	TURF SEED MIX
	LOW GROWING SHRUB/PERENNIAL MASSINGS
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	EXTENT OF SEEDED RIPRAP
	EXISTING TREES TO REMAIN
	LIMITS OF CONSTRUCTION
	EXISTING NWL
	SEDIMENT FOREBAY
	RIP RAP
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	SHEET PILE WALL



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**ISSUED FOR CONSTRUCTION**  
SUBJECT TO ADDENDA

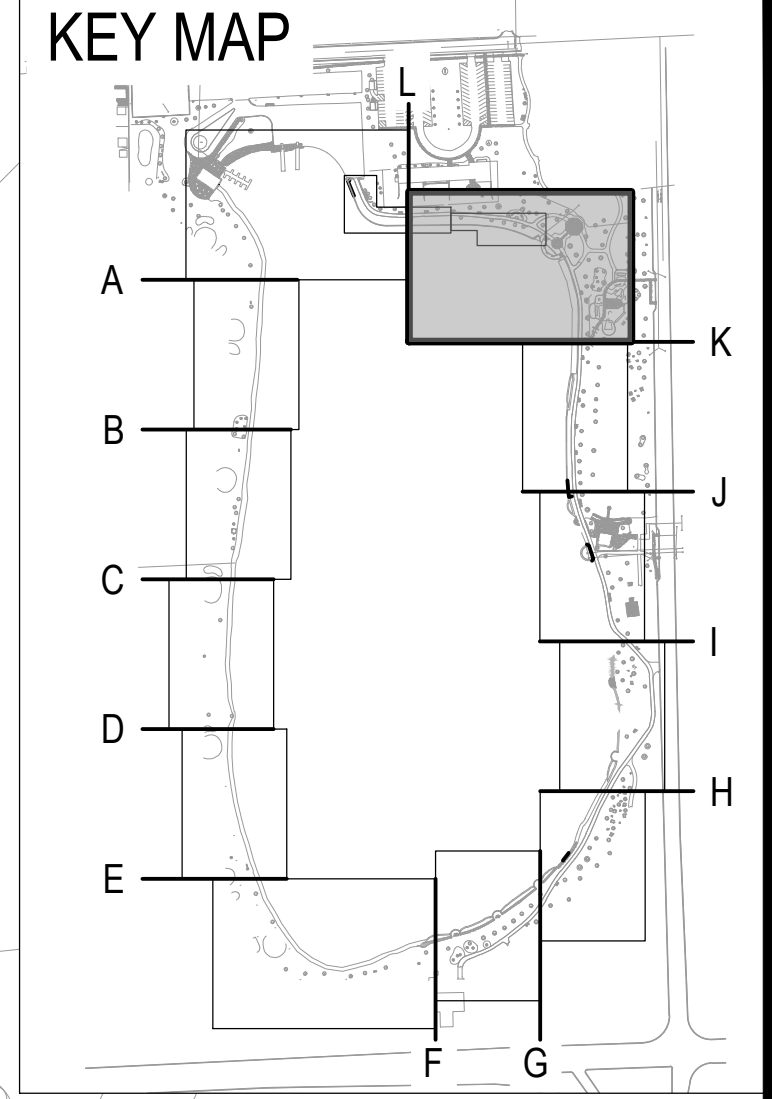
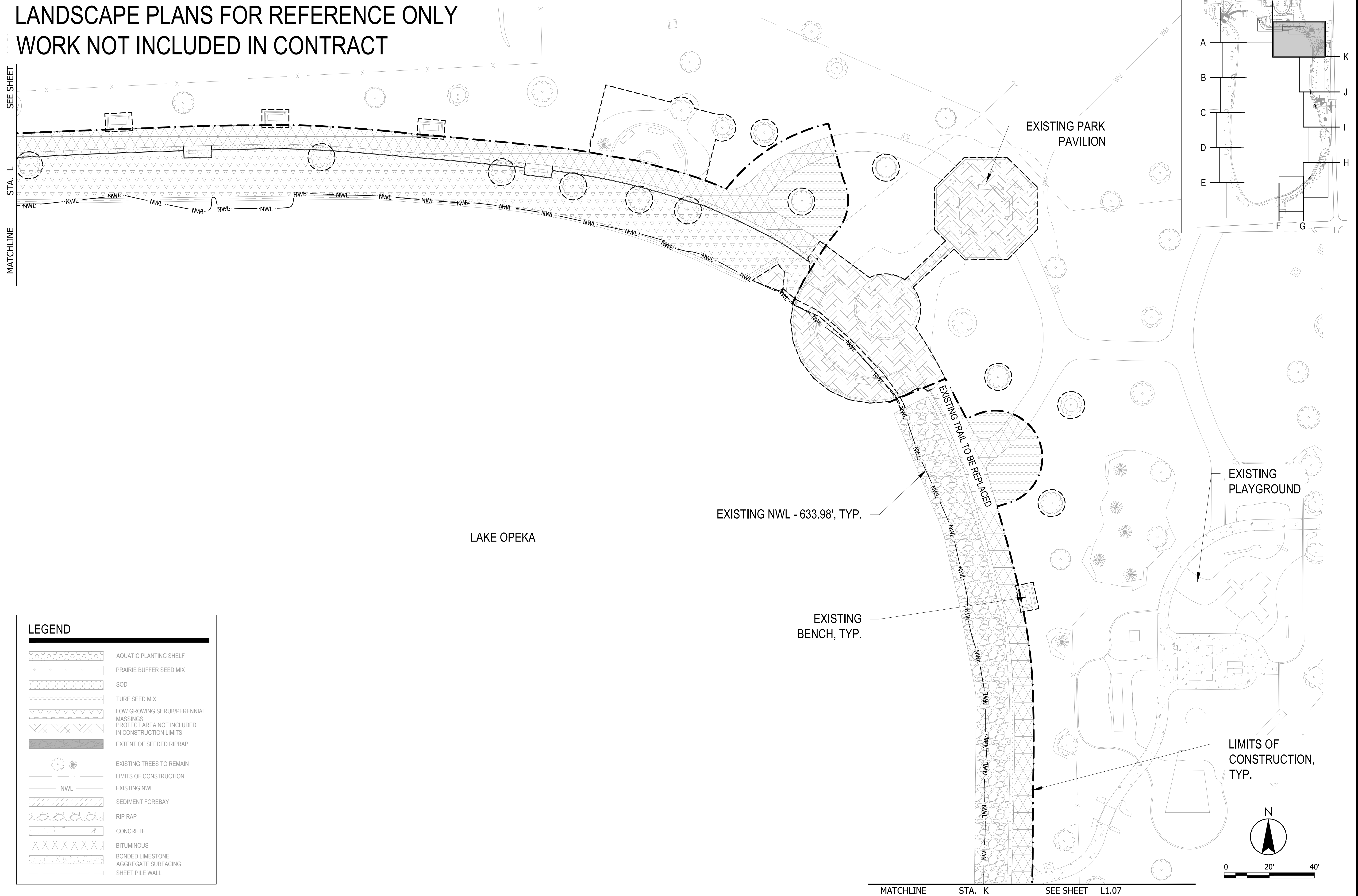
LANDSCAPE PLAN  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE	
January 8, 2024	
NO. REVISION	DATE
SURVEY	WT
DRAWN	RB
DESIGNED	AK
CHECKED	SM
APPROVED	TN
PROJ. NO.	173420083
SHEET NUMBER	
L1.07	

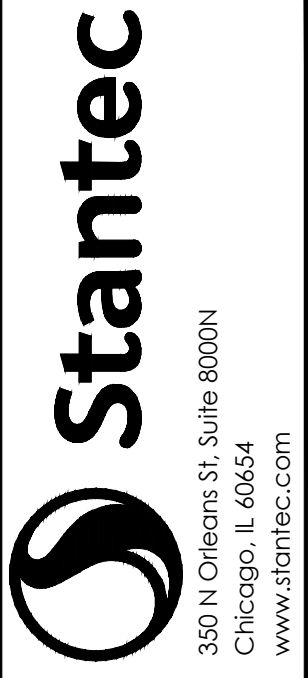
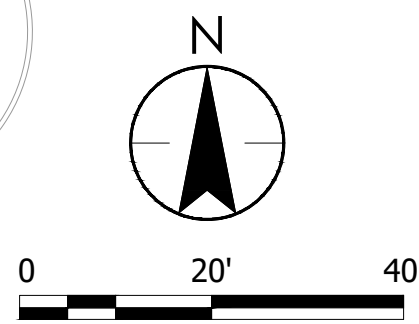
THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

# LANDSCAPE PLANS FOR REFERENCE ONLY WORK NOT INCLUDED IN CONTRACT

MATCHLINE  
STA. L  
SEE SHEET



LEGEND	
	AQUATIC PLANTING SHELF
	PRAIRIE BUFFER SEED MIX
	SOD
	TURF SEED MIX
	LOW GROWING SHRUB/PERENNIAL MASSINGS
	PROTECT AREA NOT INCLUDED IN CONSTRUCTION LIMITS
	EXTENT OF SEEDED RIPRAP
	EXISTING TREES TO REMAIN
	LIMITS OF CONSTRUCTION
	EXISTING NWL
	SEDIMENT FOREBAY
	RIP RAP
	CONCRETE
	BITUMINOUS
	BONDED LIMESTONE AGGREGATE SURFACING
	SHEET PILE WALL



ISSUED FOR CONSTRUCTION  
SUBJECT TO ADDENDA

LANDSCAPE PLAN  
LAKE OPEKA SHORELINE RESTORATION  
DES PLAINES PARK DISTRICT  
DES PLAINES, ILLINOIS

DATE OF ISSUANCE  
January 8, 2024

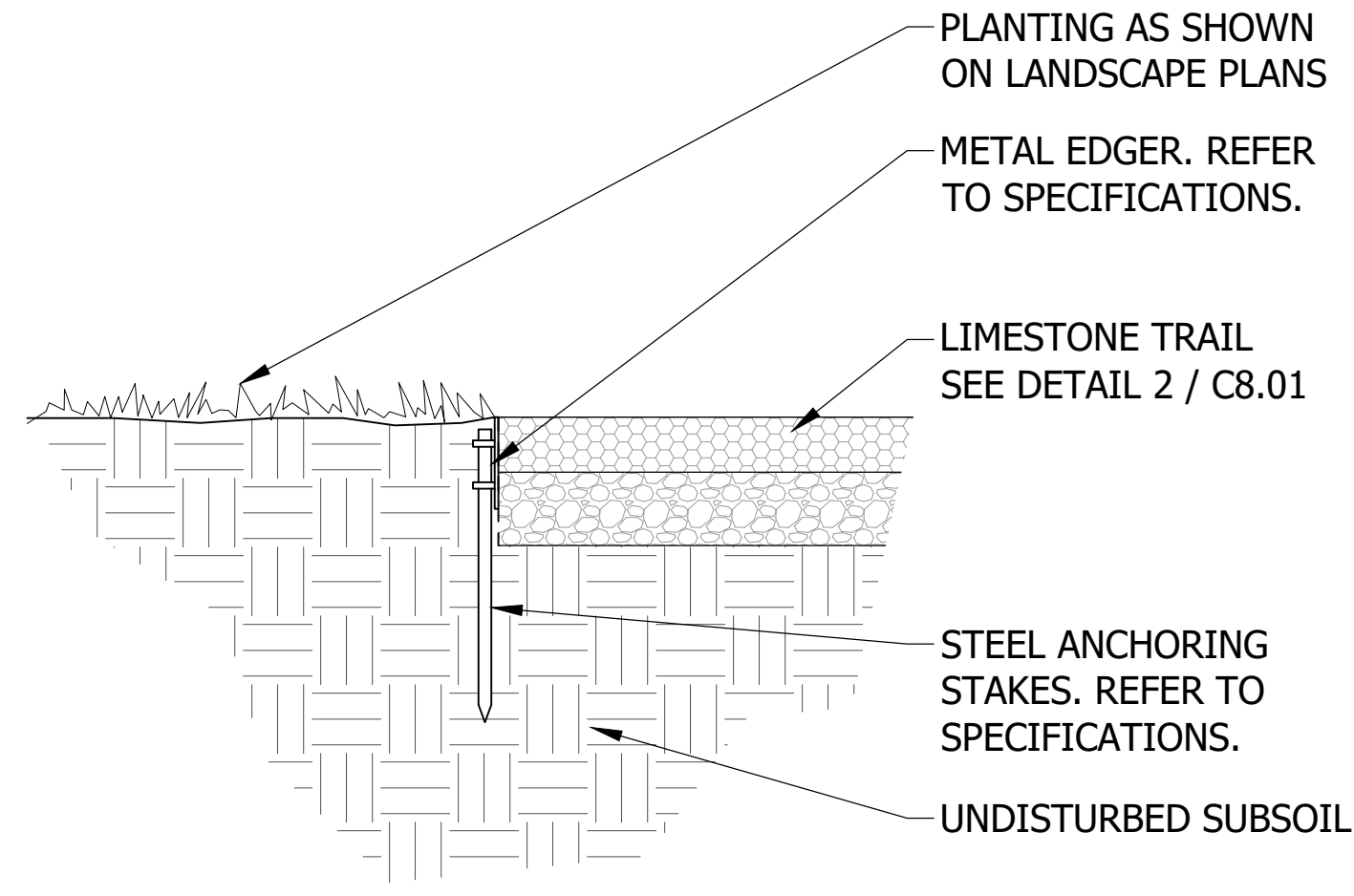
NO	REVISION	DATE

SURVEY	WT
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APPROVED	TN
PROJ. NO.	173420083

SHEET NUMBER  
L1.08

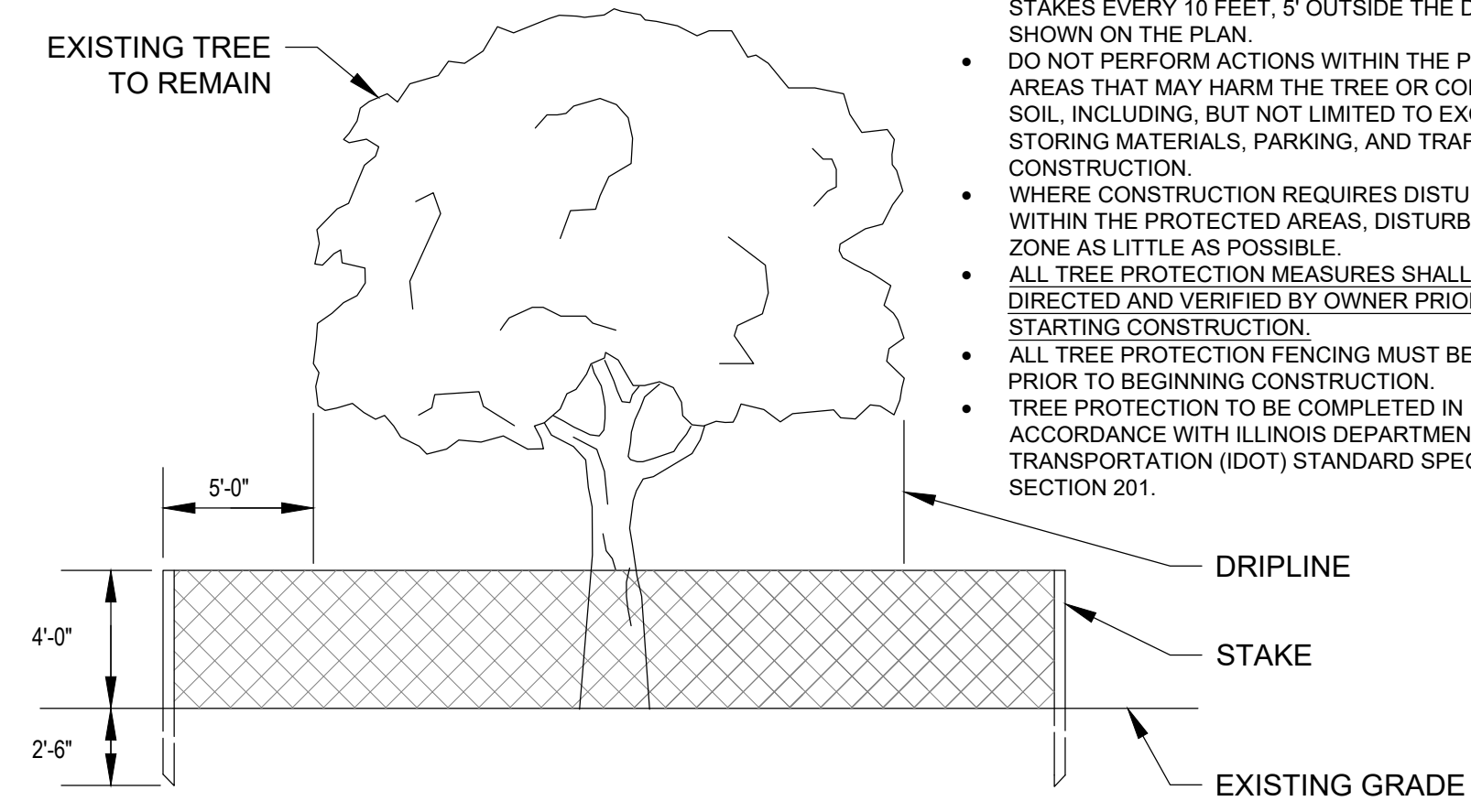
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METAL EDGER  
NOT TO SCALE

1  
L8.01



TREE PROTECTION  
NOT TO SCALE

2  
L8.01

NOTES:

- PROTECT EXISTING TREES ALONG ACCESS ROUTE AS DIRECTED BY LANDSCAPE ARCHITECT.
- INSTALL ORANGE MESH FENCING, 4' HIGH, WITH STAKES EVERY 10 FEET, 5' OUTSIDE THE DRIPLINE AS SHOWN ON THE PLAN.
- DO NOT PERFORM ACTIONS WITHIN THE PROTECTION AREAS THAT MAY HARM THE TREE OR COMPACT THE SOIL, INCLUDING, BUT NOT LIMITED TO EXCAVATION, STORING MATERIALS, PARKING, AND TRAFFIC DURING CONSTRUCTION.
- WHERE CONSTRUCTION REQUIRES DISTURBANCE WITHIN THE PROTECTED AREAS, DISTURB THE ROOT ZONE AS LITTLE AS POSSIBLE.
- ALL TREE PROTECTION MEASURES SHALL BE DIRECTED AND VERIFIED BY OWNER PRIOR TO STARTING CONSTRUCTION.
- ALL TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
- TREE PROTECTION TO BE COMPLETED IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATION SECTION 201.

Plot Date: 01/03/2024 - 6:08pm  
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DATE OF ISSUANCE	
January 8, 2024	

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