KENDALL COUNTY STORMWATER OVERSIGHT COMMITTEE PUBLIC HEARING

Kendall County Office Building Rooms 209 & 210 111 W. Fox Street, Yorkville, Illinois Meeting Minutes of June 18, 2024 9:00 a.m.

CALL TO ORDER

Chairman Kellogg called the Stormwater Oversight Committee Public Hearing to order at 9:00 a.m.

ROLL CALL

Committee Members Present: Zach Bachman, Brian DeBolt, Elizabeth Flowers, Scott Gengler, Matt Kellogg, Dan Koukol, Jason Peterson, Ruben Rodriguez, Brooke Shanley, and Seth Wormley

Committee Members Absent: None

Also present: Matt Asselmeier, Eric Weis, Christina Burns, Greg Chismark, and David Guritz

APPROVAL OF AGENDA

Member DeBolt made a motion, seconded by Member Peterson, to approve the agenda as presented. With a voice vote of ten (10) ayes, the motion carried.

APPROVAL OF MINUTES

Member Bachman made a motion, seconded by Member Rodriguez, to approve the minutes of the October 12, 2023, public hearing and meeting. With a voice vote of ten (10) ayes, the motion carried.

PUBLIC COMMENT

None

OPEN OF STORMWATER MANAGEMENT OVERSIGHT COMMITTEE PUBLIC HEARING

Chairman Kellogg opened the Stormwater Management Oversight Committee Public Hearing at 9:01 a.m.

ITEMS OF BUSINESS FOR PUBLIC HEARING

Petition 24-15 Kendall County Forest Preserve District

Mr. Asselmeier summarized the request.

The Petitioner requested a variance that allows exclusion of the impervious trail sections of the Subat Forest Preserve Nature Center Project in the calculation of total impervious improvements

resulting in no stormwater detention requirement for the project. The Petitioner requests a variance from site runoff storage requirements to avoid unnecessary disturbance of restored prairie habitats and native trees that reside within Subat Forest Preserve.

Per the application, "the project has an impervious area of 36,850 sf. Under current project conditions, the Ordinance requires detention for developments resulting in an impervious area of greater than 32,000 sf. The trail section of the project constitutes 19,930 sf of impervious area or approximately 54% of the total impervious area of the project."

Greg Chismark, from WBK Engineering, reviewed the proposal and recommended approval. There were four (4) items that needed to be resolved and these were resolved. The site plan will be amended to have the site plan contained to the stormwater management serve as the site plan for the site.

The property previously obtained stormwater permits in 2003 for the installation of the parking lot, picnic shelter, and overlook platform and in 2005 for wetland restoration.

Based on the information provided by the Petitioner and WBK, Staff believes that the following findings of fact as required by Section 904.1 of the Kendall County Stormwater Management Ordinance have been met:

- 1. The variance will not increase the probability of flood damage or create an additional threat to the public health, safety or welfare.
- 2. The variance requested is the minimum relief necessary to accomplish the objectives of the development without compromising the objectives of Section 102 of the Kendall Stormwater Management Ordinance.
- 3. The variance will not result in a reduction of water quality benefits as compared to compliance with ordinance requirements.
- 4. The variance is not requested solely for the purpose of reducing site runoff storage requirements.
- 5. The variance shall not cause conveyance of stormwater from the project to increase peak discharges beyond design capacity of existing offsite conveyance facilities for any storm event from the 2-year to the 100-year recurrence frequency.
- 6. The variance shall seek to preserve valuable environmental and biological resources including but not limited to stands of native trees, existing wetlands and natural floodplain storage.

Staff recommended approval of the variance.

The application materials, letter from WBK Engineering, and proposed ordinance were provided.

Member DeBolt made a motion, seconded by Member Koukol, to forward the proposal to the County Board. With a voice vote of ten (10) ayes, the motion carried.

This proposal will go to the County Board on June 18, 2024.

CLOSE OF ANNUAL STORMWATER MANAGEMENT OVERSIGHT COMMITTEE PUBLIC HEARING

Chairman Kellogg closed the Stormwater Management Oversight Committee Public Hearing at 9:04 a.m.

OTHER BUSINESS

None

ADJOURNMENT

Member Gengler made a motion, seconded by Member Flowers, to adjourn the meeting. With a voice vote of ten (10) ayes, the motion carried. The Stormwater Management Oversight Committee adjourned at 9:04 a.m.

Respectfully submitted, Matthew H. Asselmeier, AICP, CFM Director

Enc.

June 14, 2024

Kendall County Department of Planning, Building, & Zoning 111 West Fox Street Yorkville, Illinois, 60560

SUBJECT: Subat Nature Center

Kendall County Forest Preserve District

ERA Project #W23229.00

Comments Received June 4, 2024

ERA submits the following responses to the stormwater management permit application comments dated May 30, 2024, received via email on June 4, 2024.

 Comment: Stormwater report - The boardwalk spans a significant drainageway with an upstream area that appears to exceed one square mile. While this is not floodplain please verify the boardwalk will not have an adverse impact on Eldamain Road. (See attached Streamstats Report)

Response: The roadbed / berm grade and elevation of Eldamain Road north of River Road at the drainage culvert is raised several feet higher than the maximum grade of the delineated wetland at Subat. The proposed boardwalk will not have an adverse impact on Eldamain Road. The 100-year Water Surface Elevation (WSE) was calculated to be 608.35' and the low chord of the board walk will be elevated above WSE. Please see the attached calculations.

2. <u>Comment</u>: We have no objections to access to Eldamain Road. Please verify Kendall County Highway Department concurrence.

Response: The executed variance is attached.

3. <u>Comment</u>: L401 – Verify adequate cover over the 12" RCP at the northernmost access to Eldamain. Revise as necessary.

Response: There was a typo in the elevation call out. The plans have been revised please see attached.

4. <u>Comment</u>: L501 – The Boardwalk detail depicts the 100-year flood elevation. We concur with the concept presented in the detail. Provide the 100-year flow elevation as well as the basis for determining that elevation at the boardwalk.

<u>Response</u>: The 100-year Water Surface Elevation (WSE) was calculated to be 608.35' and the low chord of the board walk will be elevated above WSE. The low point of the ground surface beneath the boardwalk is 606.9'. The boardwalk cannot exceed 30" from the surface without providing a handrail, therefore the top of the boardwalk shall be at elevation 609.4'. The low chord cannot be elevated any higher than the WSE as the depth of the structure is 12.5".

ERA looks forward to the County's review of these comment responses. Please contact me with any questions or concerns at 630 393-3060 or imayer@eraconsultants.com.

Respectfully submitted,

Engineering Resource Associates, Inc.

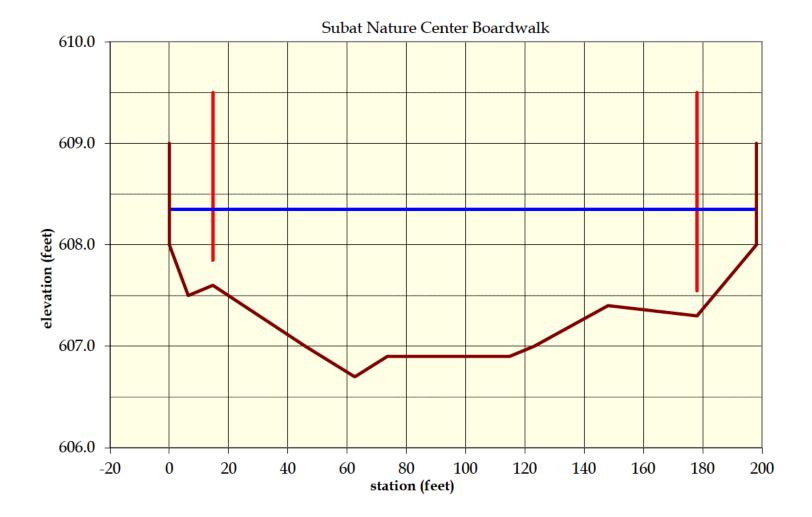
John F. Mayer, PE, CFM

Project Manager

Attachment 1 - Executed variance

Attachment 2 - Revised plans

Mannings Equation Analysis version 17, Sep 2016			w.s. elev	flow area	wetted P	hydr. radius	top width	hydr. depth	n value	darcy-weis. f	conveyance	discharge	velocity	shear
Subat Natu	re Center Bo	ardwalk	$V = \frac{1}{2}$	$\frac{.486}{1.00}$ R ^{2/3} S ¹	/2					unit system:	en			
cross-sect	ion data:		V	${n}$ K S						auto scale:	yes			
station	elevation	n-value								1	_			
0	609	0.04	hydraulic properties for given water surface elevation:											
0	608	0.04	w.s. elev	flow area	wetted P	hydr. radius	top width	hydr. depth	n value	${f darcy-weis.}f$	conveyance	discharge	velocity	shear
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45.9	607	0.04				profile slop	pe=]	bank station	ıs: left	right			
62.6	606.7	0.04					0.00100			14.7	178.0			
73.6	606.9	0.04												
114.8	606.9	0.04	hydraulic properties rating table:											
123.1	607	0.04	w.s. elev	flow area	wetted P	hydr. radius	top width	hydr. depth	n value	${\bf darcy\text{-}we is.}f$	conveyance	discharge	velocity	shear
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178	607.3	0.04	608.50	259.0	199.0	1.30	198	1.31	0.040	0.1655	11660	368.7	1.42	0.081
198	608	0.04	608.00	160.0	198.0	0.81	198	0.81	0.040	0.1855	5361	169.5	1.06	0.050
198	609	0.04	607.50	66.9	163.8	0.41	164	0.41	0.040	0.2453	1385	43.8	0.65	0.025
			607.00	9.24	77.2	0.12	77.2	0.12	0.040	0.3788	83.4	2.64	0.29	0.007
			606.70	0.0	0.0	0.00	0.0	0.00	0.040	0.2453	0.00	0.00	0.00	0.000



Kluber, Inc.
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Auro Architecture & Park Planning tel. 6 and St, Chicago, Illinois 60608 art St, Plainfield, Illinois 60544 tel. 3 are Upland #1191 www.

Landscape Ar 1250 w 18th 24042 Lockport 815-254-009

NATURE CENTE
ALL CO FOREST PRESERVE
ELDAMAIN RD
PI AND II 60545

KENDALL CO FO ELDAN PLANO,

CIVIL ENGINEER
Engineering Resource Associa
3s701 West Avenue, Suite 150
Warrenville, Illinois 60555
IL License 184-001186

CIVI Engi 3s70 War

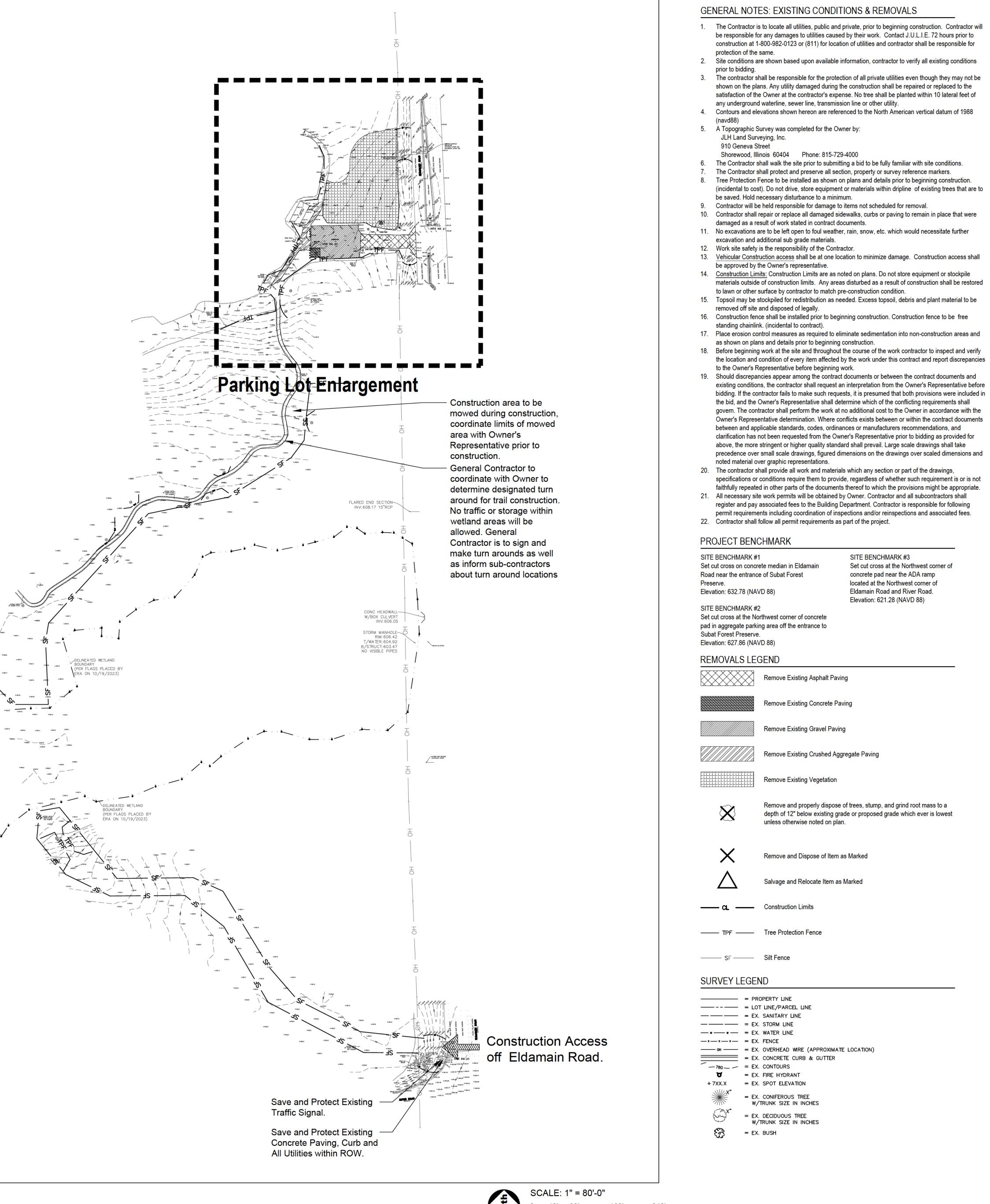
ISSUED
4/24 PERMIT RESUBMITTAL

JOB NO. 23-429-1495
DRAWN EM[
CHECKED MK
APPROVED MK

SHEET TITLE

EXISTING CONDITIONS & REMOVALS PLAN

L100



Save and Protect Concrete —

Remove Existing Asphalt —

Remove Existing Trees -

and Underbrush, by Owner

Paving, Curb and All

Utilities within ROW.

Save and Protect all Existing Trees and

Vegetation Unless

Otherwise Noted.

Paving and Base.

Remove Existing

Save and Protect

Concrete Paving.

Remove Existing -

Stone Aggregate.

Concrete Paving and

Park Sign and Paving

ADA Sign and Paving

Restroom Building

Remove Existing Crushed -

Save and Protect Existing -

Save and Protect Existing

Save and Protect Existing

Parking Lot Enlargement

Construction

Access off

parking lot

Road.

- Remove and properly

dispose of trees, stump,

and grind root mass to a

depth of 12" below existing

which ever is lowest unless

grade or proposed grade

otherwise noted on plan.

- Save and Protect Existing

Salvage Existing Wheelstops,

Remove Existing Entry

confirm with Owner's

SCALE: 1" = 40'-0"

Existing lawn trail

Representative. Remove

Wheelstops not salvaged.

Gate and Footings.

on Eldamain

Bollards.

Existing Shelter and

Remove Existing Wood—

Gravel Paving.

Save and Protect

Existing Sign

6" Wire Staple or Sandbag —

Liner Anchor

STRAW BALE ANCHOR SECTIONS

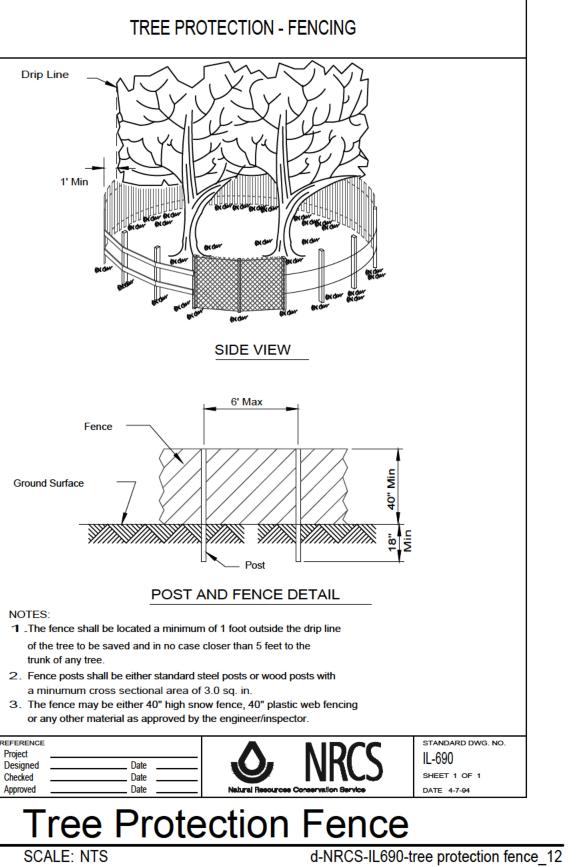
30-Mil Polyethylene -

Native Soil -

JOB NO. 23-429-1495 DRAWN CHECKED

APPROVED SHEET TITLE STORMWATER POLLUTION PREVENTION PLAN

SHEET NUMBER



SILT FENCE PLAN Fastener - Min. No. 10 Gage Wire 4 Per Post Required. (Typ.) (Typ)

FABRIC ANCHOR DETAIL 1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading

and site stabilization. . Filter fabric shall meet the requirements of material specification 592 Geotex ile Table 1 or 2, Class wi h equivalent beening size of at least 30 for nonwoven and 40 for woven. B. Fence posts shall be either standard steel post or wood post with a

minimum cross-sectional area of 3.0 sq. in.

Place the end post of the second fence inside the end post of the first fence. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material. Cut the fabric near the bottom of the stakes to accommodate the 6" flap. Drive both posts a minimum of 18 inches into the ground and bury the flap Compact backfill (particularly at splices) completely to prevent stormwater piping.

SILT FENCE - SPLICING TWO FENCES

10' Min

PLAN VIEW

CONCRETE WASHOUT

AREA

SIGN DETAIL

30-MIL POLYETHYLENE

---- STRAW BALE

Plywood or Aluminum

_ 4"x4"x6' Wood Post or

1. Maintaining temporary concrete washout facilities shall include

2. Facility shall be cleaned or reconstructed in a new area once

Each straw bale is to be staked in place using (2) 2"x2"x4'

returning the facilities to a functional condition.

washout becomes two-thirds full.

removing and disposing of hardend concrete and/or slurry and

TEMPORARY CONCRETE

Temporary Concrete Washout

WASHOUT FACILITY - STRAW BALE

SHEET 1 OF 1

IUM-620B(W)

d-IUM 620B-silt fence_12

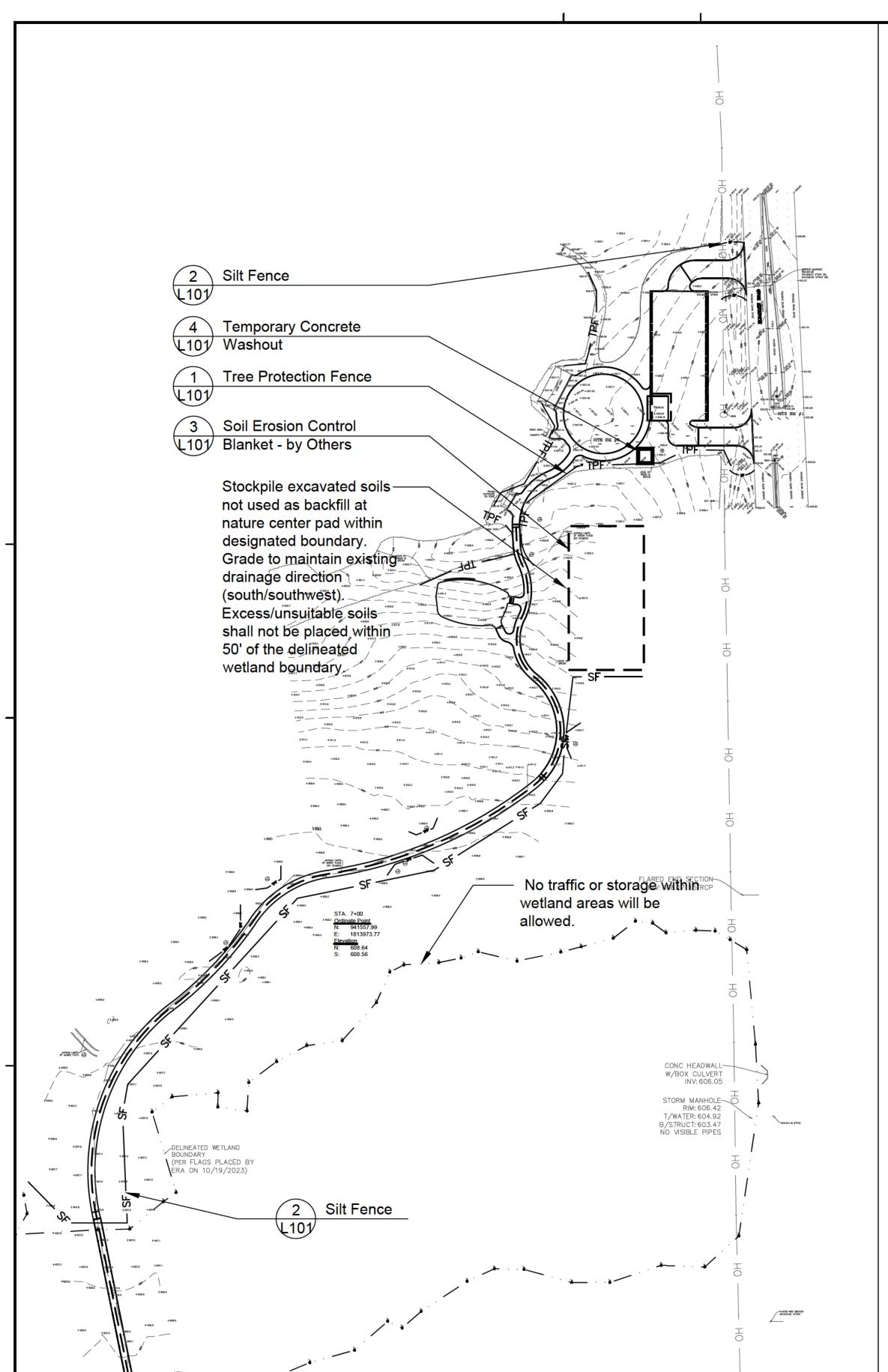
OVERLAP WITH UPSLOPE DOWNSLOPE BLANKET AND SECURE WITH STAPLES BURY TOE OF BLANKET IN TRENCH 6" WIDE BY 6" DEEP <u>Parallel Overlaps</u> <u>DETAIL 2</u> DETAIL 3 STAPLE DETAIL PUSH PIN DETAIL 1. Staples shall be placed in a diamond pattern at 2 per s.v. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and

400 stapels with non-stiched blanket per 100 s.y. of material.

EROSION CONTROL

2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6") 3. Erosion control material shall be placed in contact with the soil over a prepared seedbed. All anchor slots shall be stapled at approximately 12" intervals. BIONET S75BN OR APPROVED EQUAL

BLANKET INSTALLATION DETAILS **Erosion Control Blanket**



(PER FLAGS PLACED BY

ERA ON 10/19/2023)

SEDIMENT EROSION CONTROL AND POLLUTION PREVENTION NOTES:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, PARKING OF VEHICLES OF CONSTRUCTION

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS AND TO PROVIDE A STORM

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION AND SEDIMENT CONTROL

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME

CERTAIN SEDIMENT CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND

SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA

SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL

DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF

ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN

SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS

4.) CULVERT INSTALLATION WITHIN THE ROADSIDE DITCH ALONG ELDAMAIN ROAD AND THE NORTHWEST

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR

WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

IDOT STANDARD 280001.

SITE DESCRIPTION.

DESCRIPTION OF CONSTRUCTION ACTIVITY:

6.) INSTALLATION OF A BOARDWALK

TEMPORARY CONCRETE WASHOUT.

PREVENTION PLAN AS REFERENCED DOCUMENTS:

TEMPORARY EROSION AND SEDIMENT CONTROL SYSTEMS.

AREA OF CONSTRUCTION SITE:

ON-SITE WETLANDS

ENGINEER:

CONSTRUCTION SITE ACTIVITIES.

DIRECTED BY ENGINEER.

SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

1. THE PROJECT IS LOCATED IN SUBAT FOREST PRESERVE, KENDALL COUNTY, IL.

1.) INSTALLATION OF NEW ASPHALT AND LIMESTONE WALKING PATHS;

3.) INSTALLATION OF PARKING LOT ENTRANCES ALONG ELDAMAIN ROAD;

2.) REMOVAL AND REPLACEMENT/EXPANSION OF A PARKING LOT;

2. THE SUBAT FOREST PRESERVE PROJECT SHALL GENERALLY CONSIST OF THE FOLLOWING:

CORNER OF THE INTERSECTION OF ELDAMAIN ROAD AND RIVER ROAD;

5.) INSTALLATION OF A NATURE CENTER PAVILION AND ASSOCIATED CONCRETE PAD; AND

1. INSTALL SILT FENCING, TREE PROTECTION FENCING, STABILIZED CONSTRUCTION ENTRANCE, AND

INSTALL FLARED END PROTECTION IMMEDIATELY FOLLOWING INSTALLATION OF CULVERTS.

SITE SHALL BE TEMPORARILY STABILIZED IMMEDIATELY FOLLOWING GRADING COMPLETION.

5. TEMPORARY EROSION CONTROL MEASURES WILL BE REMOVED FOLLOWING FINAL STABILIZATION.

APPROXIMATELY 1.65 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED

FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED

OTHER REPORTS, STUDIES AND PLANS, WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION

2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM

THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR

GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY

PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY O

THE SITE SHALL BE SEEDED AND STABILIZED WITH EROSION CONTROL MAT UPON COMPLETION OF

EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS.

LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE. 3. TEMPORARY SEDIMENT CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PERMANENT VEGETATION IS GROWING AND THRIVING. 4. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION. 5. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT.

6. THE EROSION CONTROL BLANKET AND/OR STRAW MULCH WITH NETTING (DEPENDING ON SLOPE, SLOPE LENGTH AND FLOW RATES) SHALL BE INSTALLED ON ALL SLOPES AND IN CRITICAL AREAS (I.E. POND PERIMETER, BERMS, ETC.) IMMEDIATELY 7. IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE

8. WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT 9. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY AND AS

10. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE MOST RECENT ILLINOIS URBAN MANUAL 1. THE COUNTY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE—CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION. 12. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES. 13. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT

NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF—SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE COUNTY. 14. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE COUNTY. 15. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM

CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS. 16. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO

MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. 17. EXCAVATED AREAS SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN (7) DAYS. 18. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 50 LBS/ACRES.

19. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY THE OWNER. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR 20. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY SEDIMENT CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION. 21. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL

STABILIZATION IS ACHIEVED. TRAPPED SEDIMENT RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION. 22. ALL EROSION AND SEDIMENT CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR

EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN 23. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF NATURAL VEGETATION. AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT

IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR a. AREAS OF EXISTING VEGETATION, WOOD AND GRASSLANDS, OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. b. DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. c. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE

24. THE SITE SHOULD BE PHASED IN A WAY THAT REDUCES THE AMOUNT OF STRIPPED, UNSTABILIZED AREAS WITHIN THE SITE AT ANY ONE TIME. MASS GRADING THE ENTIRE SITE SHOULD BE AVOIDED AS TO PREVENT EROSION ON SITE AND SEDIMENTATION 25. BARRIER PROTECTION SHALL BE PLACED AT THE LIMITS OF SOIL DISTURBANCE FOR ALL UNDISTURBED WETLAND AREAS.

TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN

CONTRACTOR'S CERTIFICATION CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL OLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR 10) THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH ACTIVITY FROM THE CONSTRUCTION SITE DENTIFIED AS PART OF THIS CERTIFICATION. GENERAL CONTRACTOR SIGNATURE COMPANY

OWNER'S CERTIFICATION "I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

SIGNATURE

REMOVALS LEGEND — TPF — Tree Protection Fence

——— SF ——— Silt Fence

2 Silt Fence

d-IUM-530-erosion control blanket 1

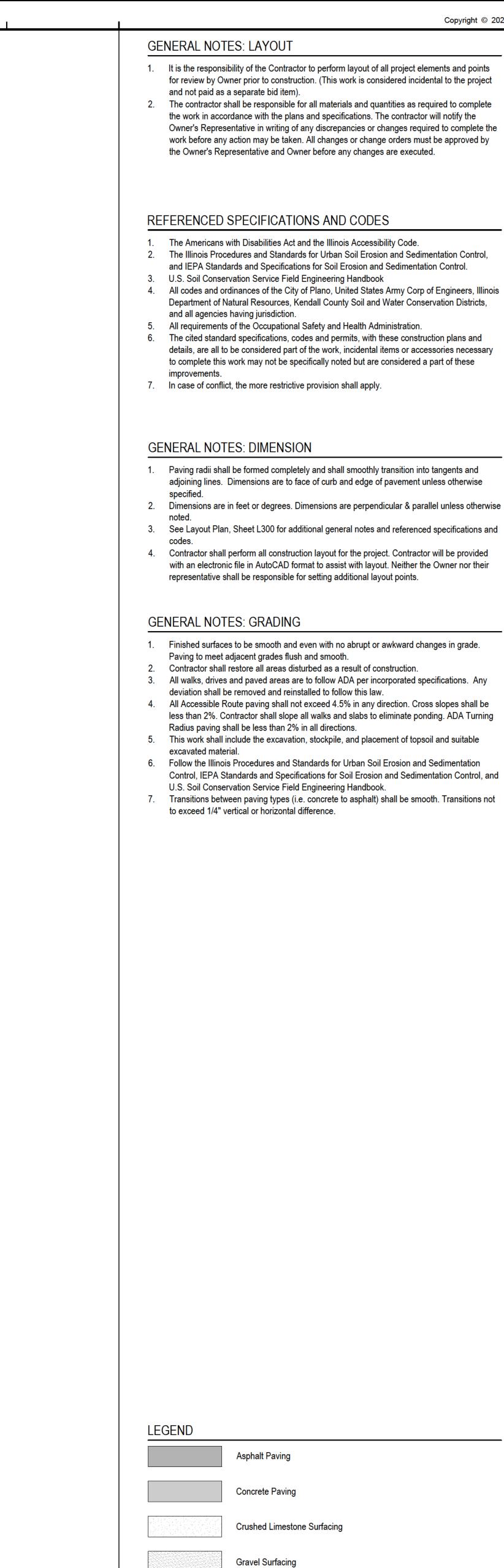
IUM-620A

SHEET 1 OF 2

LAYOUT PLAN - OVERALL

SHEET TITLE

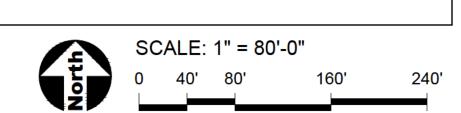
SHEET NUMBER **L200**



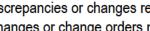


Concrete Expansion Joints

Construction Limits / Construction Fence







for review by Owner prior to construction. (This work is considered incidental to the project 2. The contractor shall be responsible for all materials and quantities as required to complete

Parking Lot

MATCHLINE A

Nature Center

MATCHLINE B

North Trail

Enlargement - L201

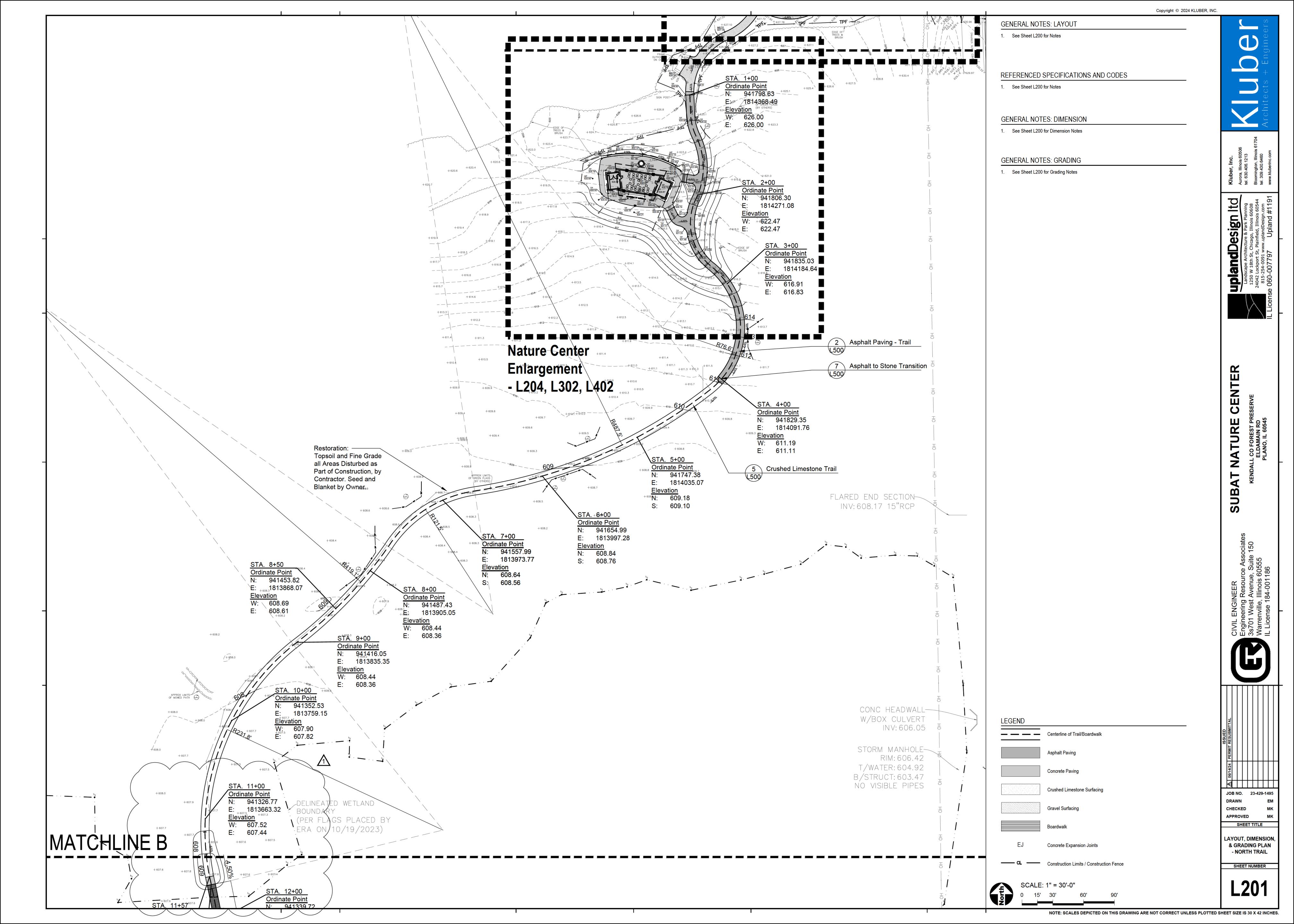
South Trail

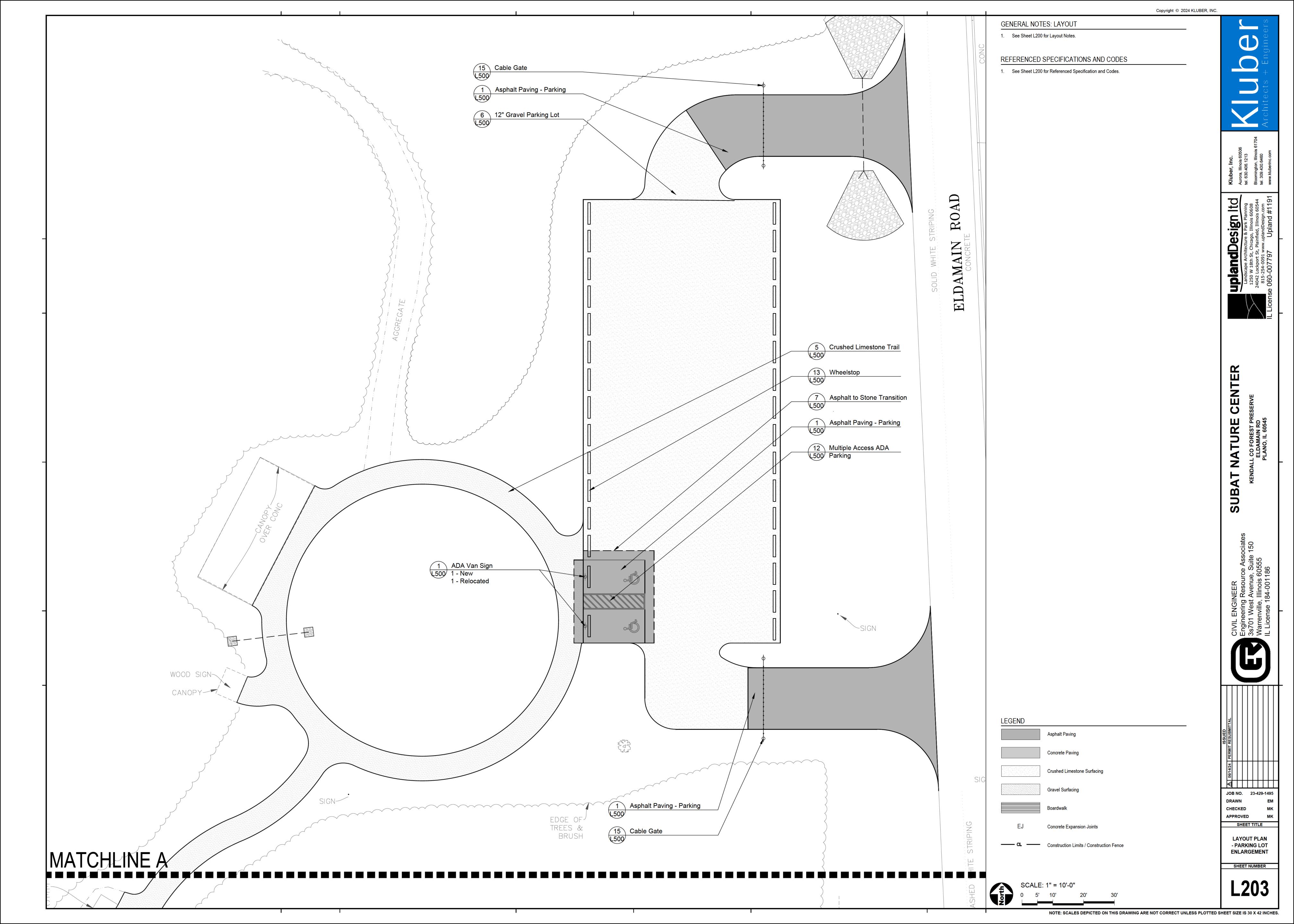
Enlargement - L202

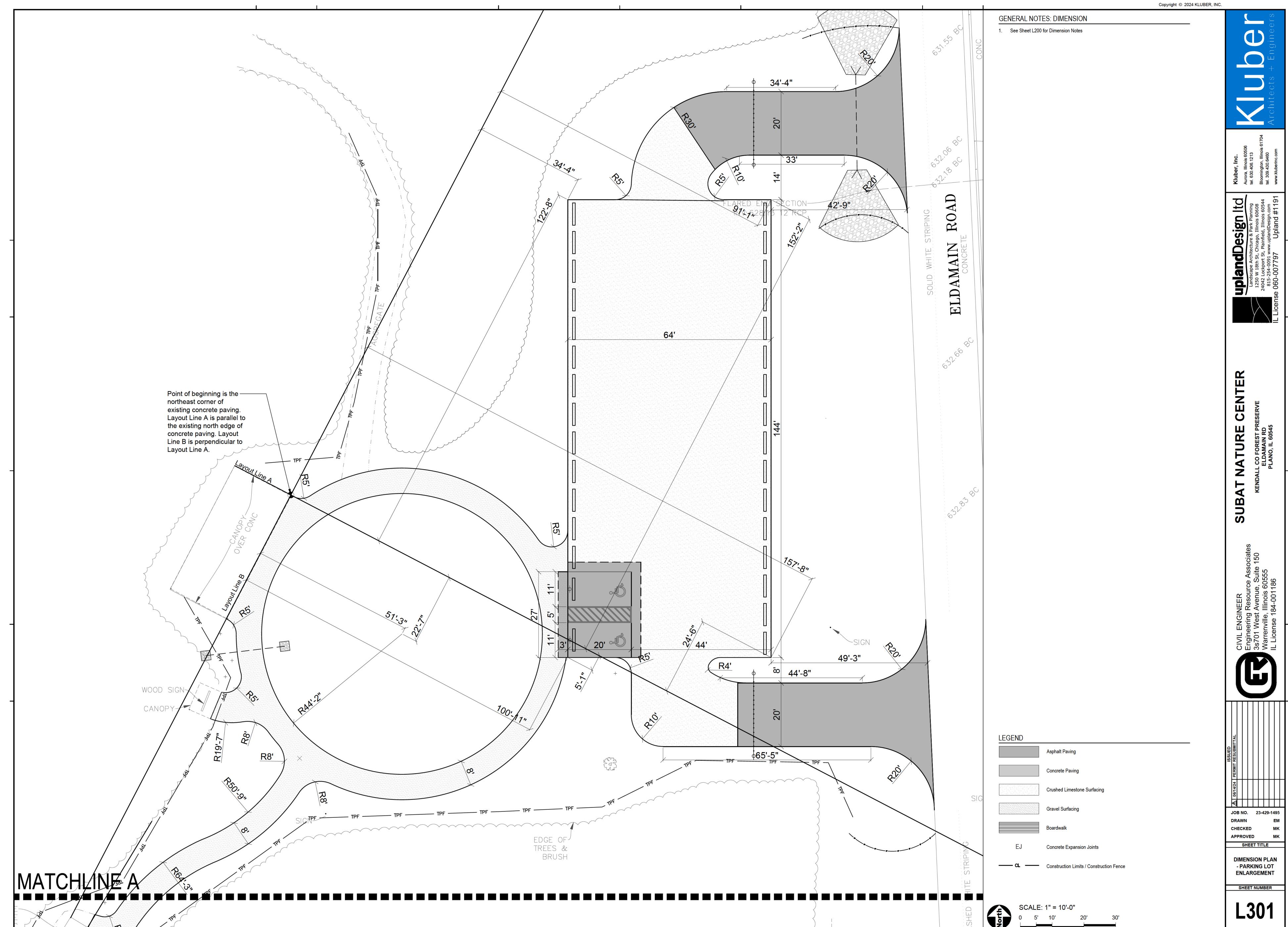
Enlargement

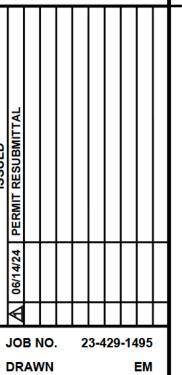
- L203, L301, L401

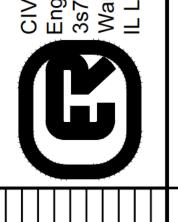
- and IEPA Standards and Specifications for Soil Erosion and Sedimentation Control.
- 4. All codes and ordinances of the City of Plano, United States Army Corp of Engineers, Illinois Department of Natural Resources, Kendall County Soil and Water Conservation Districts,
- 6. The cited standard specifications, codes and permits, with these construction plans and details, are all to be considered part of the work, incidental items or accessories necessary to complete this work may not be specifically noted but are considered a part of these
- 1. Paving radii shall be formed completely and shall smoothly transition into tangents and adjoining lines. Dimensions are to face of curb and edge of pavement unless otherwise
- 2. Dimensions are in feet or degrees. Dimensions are perpendicular & parallel unless otherwise
- 3. See Layout Plan, Sheet L300 for additional general notes and referenced specifications and
- 4. Contractor shall perform all construction layout for the project. Contractor will be provided with an electronic file in AutoCAD format to assist with layout. Neither the Owner nor their representative shall be responsible for setting additional layout points.
- 1. Finished surfaces to be smooth and even with no abrupt or awkward changes in grade.
- Contractor shall restore all areas disturbed as a result of construction.
- 3. All walks, drives and paved areas are to follow ADA per incorporated specifications. Any deviation shall be removed and reinstalled to follow this law.
- less than 2%. Contractor shall slope all walks and slabs to eliminate ponding. ADA Turning
- This work shall include the excavation, stockpile, and placement of topsoil and suitable
- 6. Follow the Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control, IEPA Standards and Specifications for Soil Erosion and Sedimentation Control, and



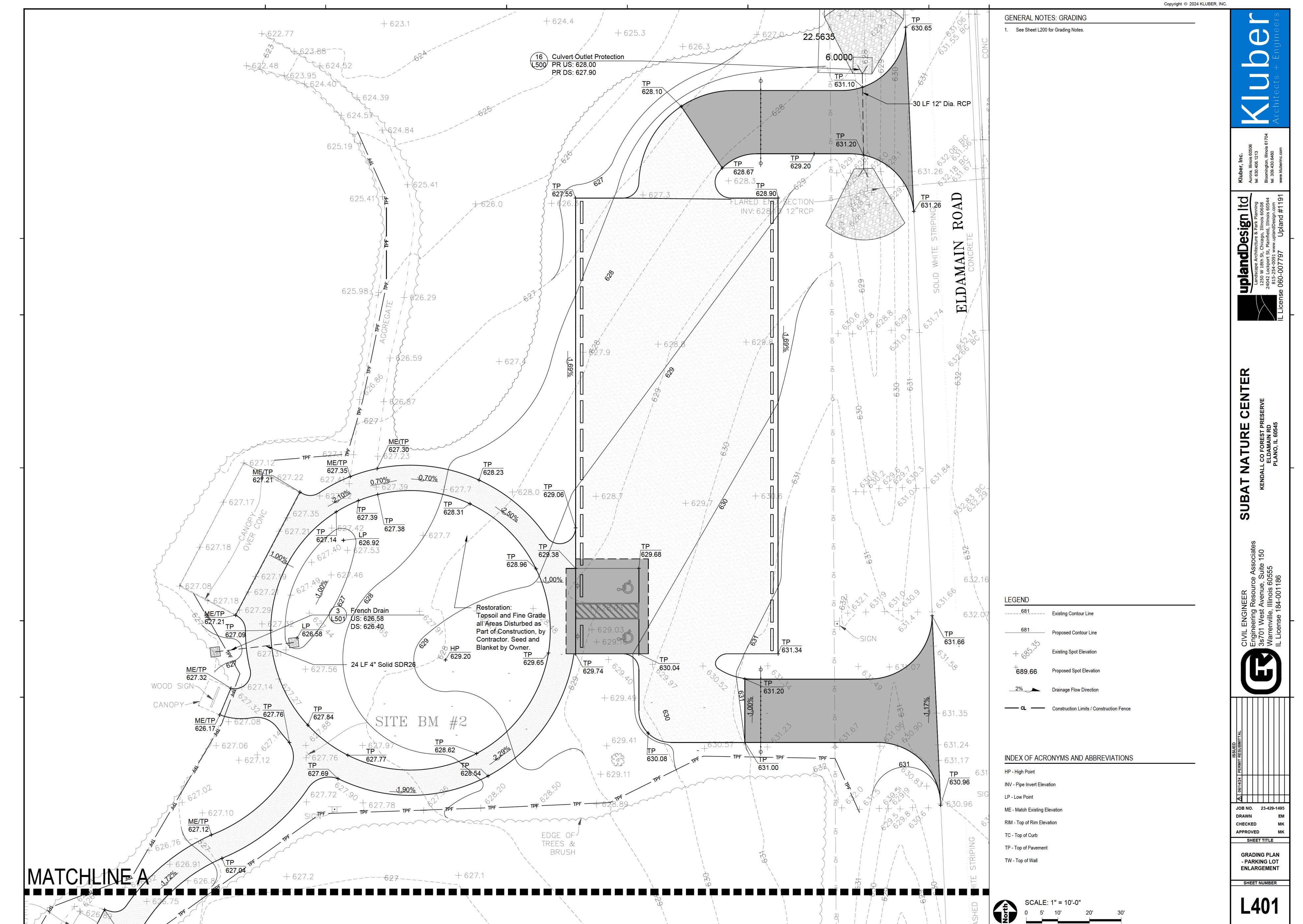


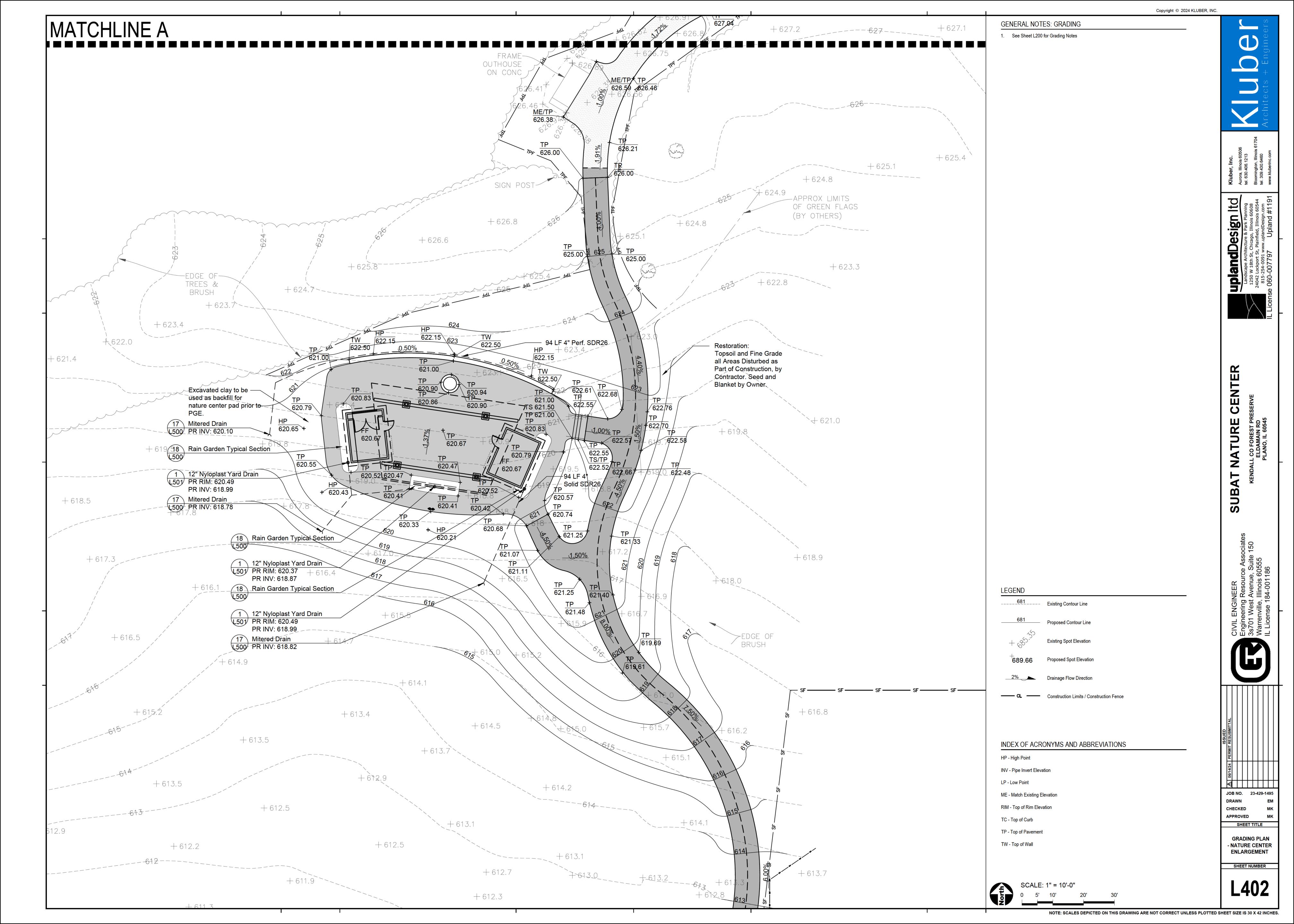






06/14/





TUR Y Z

Engineering | 3s701 West

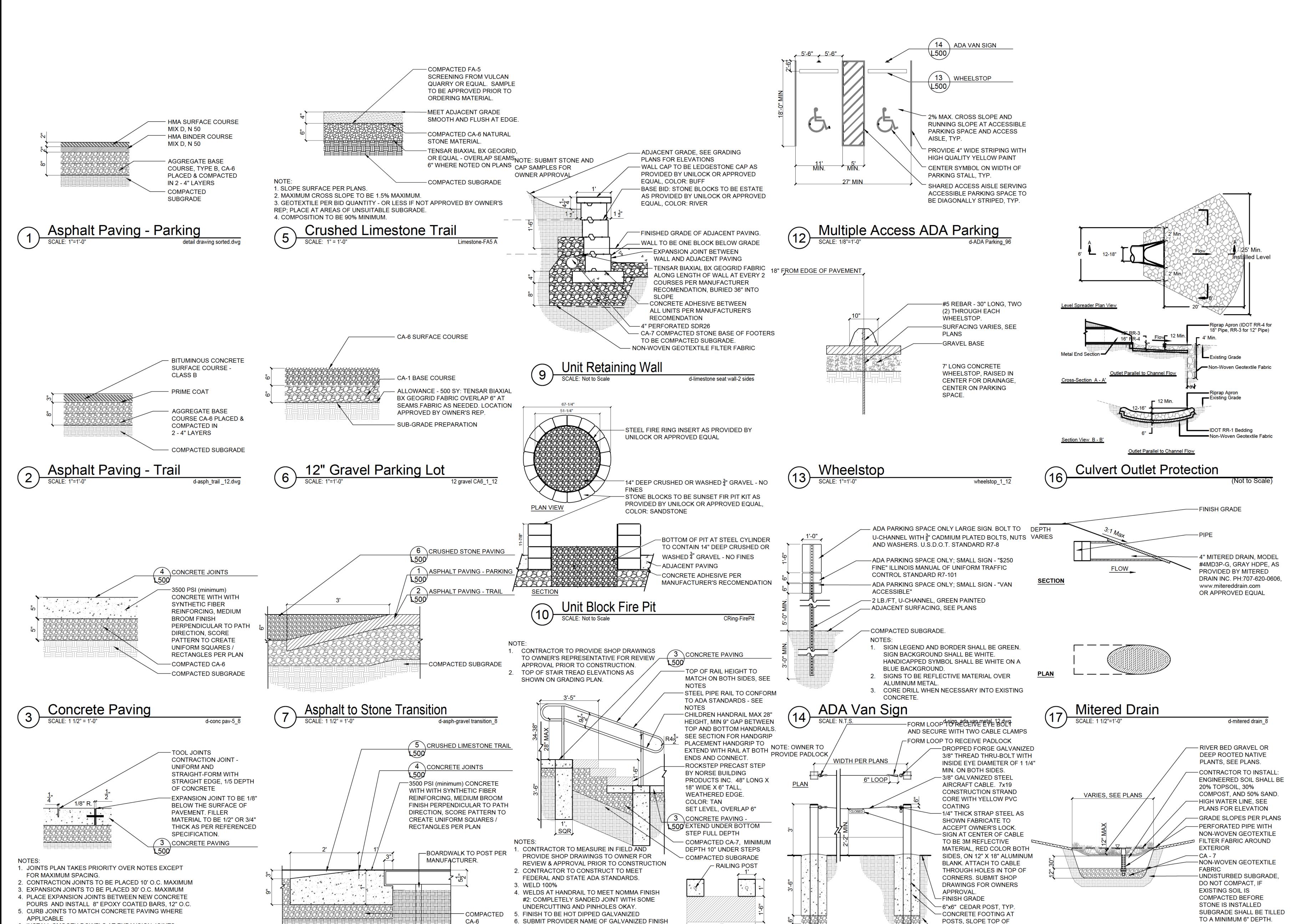
S

JOB NO. 23-429-1495 DRAWN CHECKED APPROVED SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

Rain Garden Typical Section L500



7. HOLES DRILLED FOR GALVANIZING PROCESS

ARE TO HAVE PLUGS GLUED INTO THE HOLES

Stairs and Handrail

- COMPACTED

SUBGRADE

CRing-FirePit

Boardwalk Tranisition

SECTION

PLAN VIEW

d-stairs_hillside

1'-6" DIA.

Cable Gate

FOOTING TO DRAIN

─COMPACTED SUBGRADE

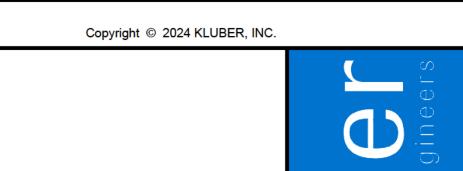
d-cable gate_24

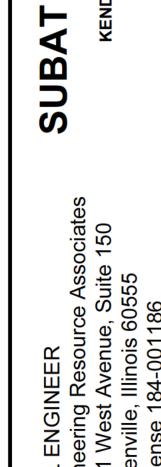
6. INSTALL SMOOTH DOWELS AT EXPANSION JOINTS

Concrete Joints

d-conc_joints_8.dwg

7. NO 'CALIFORNIA JOINTS'



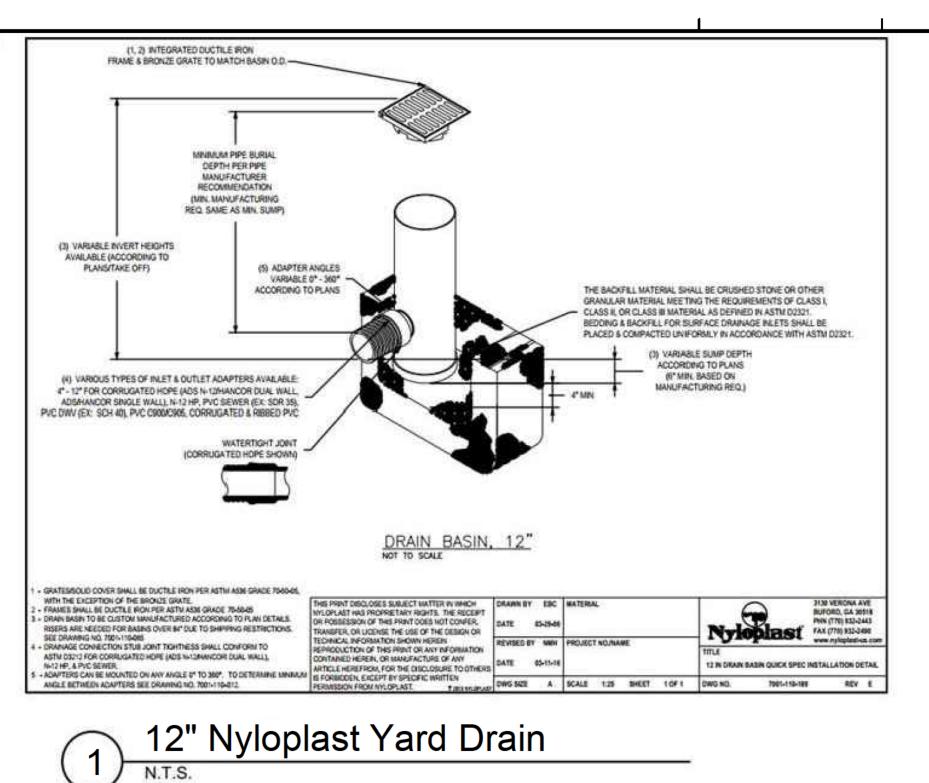


JOB NO. 23-429-1495 DRAWN CHECKED APPROVED

SHEET TITLE CONSTRUCTION DETAILS

SHEET NUMBER

det-detail name NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.



ELEVATIONS, PROVIDE MINIMUM 6" OF TOPSOIL -6 OZ NON-WOVEN GEOTEXTILE FABRIC, OVERLAP EDGES 12" MIN. -PERFORATED PIPE, SDR 35, 2 ROWS OF PERFORATIONS; 1% MIN SLOPE -DRAINAGE AGGREGATE -UNDISTURBED SUBGRADE

d-util_french drain_12.dwg

-MEET EXISTING

SCOPE LENGTH OF BRIDGE ON CENTERLINE AS DETERMINED BY SITE CONDITIONS AND/PR BUFFERS

10'-0"± TYPICAL SPAN LENGTH BRIDGE END ELEVATION -(TOP OF DECK) H3 MINIMUM ABUTMENT PILING DRIVEN TO SPECIFIED

CAPACITY DEPTH OR

UNTIL REFUSAL WETLAND EXTENTS MIN 5'-0"± OFFSET TYPICAL (UNLESS SPECIFIED & APPROVED FOR LESSER) ELEVATION VIEW

SCALE: NTS METHODS (DRILLING) OR ADDITIONAL DEPTH (PAST 10') ARE NEEDED, TIME AND EXPENSES WILL BE COVERED/ SEE SECTION DRAWING IS CONCEPTUAL IN NATURE AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES. 1.2 OF BRIDGE SPECIFICATIONS. SITE INFORMATION IS GENERIC TO ILLUSTRATE GENERALIZED

GRADING & RIP RAP DESIGN & INSTALLATION BY CONTRACTOR NO STEEPER THAN 2:1 GRADING WITH AT LEAST 6" CLEAR OF THE BOTTOM OF PILE CAP IS PREFERRED.

MINIMUM OF 5' OFFSET FROM EASEMENTS, FLOW, EXTENTS, ENVIRONMENTAL BUFFERS, OR SIMILAR RECOMMENDED

TIMBER PILING INSTALLED TO A DEPTH OF 10' OR UNTIL

REFUSAL IS INCLUDED IN THE BASE BID. IF ALTERNATE

French Drain

(LOADING, TOP OF DECK HEIGHT, & BRIDGE WIDTH ARE USED TO DETERMINE DIAMETER & QUANTITY OF PILING, AS WELL AS. USE OF

X-BRACING OR SIMILAR) GENERAL NOTES DRAWING IS CONCEPTUAL IN NATURE AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES. SITE INFORMATION IS GENERIC TO ILLUSTRATE GENERALIZED

CONDITIONS. TIMBER PILING INSTALLED TO A DEPTH OF 10' OR UNTIL REFUSAL IS INCLUDED IN THE BASE BID. IF ALTERNATE METHODS (DRILLING) OR ADDITIONAL DEPTH (PAST 10') ARE NEEDED, TIME AND EXPENSES WILL BE COVERED/ SEE

SECTION 1.2 OF BRIDGE SPECIFICATIONS.

- COMPOSITE CURB

TIMBER STRINGER

COMPOSITE CURB BLOCK

- STRUCTURAL COMPOSITE DECK

SECTION- REPETITIVE BENT

SCALE: NTS

6 BRIDGE SLOPE NOT TO EXCEED 4.5% FOR A CONTINUOUS PATH

OR 7.5% IN AN ADA RAMP & LANDING CONFIGURATION

-----100 YEAR WSE LEVEL: 608.35'

TIMBER PILE CAP

BRIDGE CONCEPTS
THE PREMIER TIMBER BRIDGE COMPANY
2423 BRUNELLO TRACE LUTZ, FL 33558
WWW.YBC.COM 800.226.4178

ZEYN UZMAN, PE 305 CHARLESTON GREENE MALVERN, PA 19355

ENGINEER OF RECORD

INFORMATION:
AT FOREST
R PEDESTRIAN BRIDGE

REV# DATE

DRAWN BY:

PAGE NAME

REPETITIVE BENT

SUBMISSION INDEX

V.FALZONE 4/16/2024