

GUZMAN Y GOMEZ MEXICAN KITCHEN

CITY OF NAPERVILLE, ILLINOIS

SW 1/4, SW 1/4, SECTION 22, TOWNSHIP 38 NORTH, RANGE 09 EAST

DRAWING INDEX

C0.0	TITLE SHEET
C0.1	GENERAL NOTES
C0.2	GENERAL NOTES
C1.0	DEMOLITION PLAN
C2.0	SITE PLAN
C3.0	GRADING & EROSION CONTROL PLAN
C3.1	DETAILED GRADING PLAN
C4.0	UTILITY PLAN
C5.0	DETAILS
C5.1	DETAILS
C5.2	DETAILS
C5.3	DETAILS

ATTACHMENTS

1 OF 1 EXISTING CONDITIONS SURVEY



PROJECT AREA

NOT TO SCALE



PROJECT INFORMATION

OWNER GUZMAN Y GOMEZ CONTACT: Jason Trombley P:773-350-8438 jason.trombley@guzmanygomez.com	GENERAL CONTRACTOR TBD CONTACT: (Name) (Address) P: C: (Email)
CIVIL CONSULTANT JSD PROFESSIONAL SERVICES, INC. CONTACT:Eric Drakas, P.E. 1400 East Touhy Avenue Suite 215 Des Plaines, IL 60018 P:312-644-3379 C:847-951-3215 eric.drakas@jsdinc.com	ARCHITECT / INTERIOR DESIGN ARIA GROUP CONTACT: Sean Irish 830 North Boulevard Oak Park, IL 60301 P:708-445-8400 sirish@ariainc.com

MUNICIPAL CONTACTS

CITY OF NAPERVILLE ENGINEER

CONTACT: Dominic Oldani, P.E.
400 S. Eagle Street
Naperville, IL 60540
P:630-548-2950
oldanid@naperville.il.us

UTILITY CONTACTS

GAS NICOR GAS 1844 Ferry Road Naperville, IL 60563 P:888-642-6748	ELECTRIC NAPERVILLE ELECTRIC & WATER 811 East Red Hills Parkway Naperville, IL 60540 P:630-420-6111
--------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------

CABLE TV

XFINITY
2727 W. 75th Street
Suite 101
Naperville, IL 60540
P:1-800-934-6489



CREATE THE VISION TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOUHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:

795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

REVIEW DRAWING

NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:

844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
3	06.16.2025	PZC REVIEW & APPROVAL
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

C0.0

JSD PROJECT NO:

2414769



GENERAL NOTES

1.

REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2.

EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
3.

JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4.

CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
5.

THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
6.

CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
7.

ANY REFERENCES TO THE TERMS OR ENTITY ABBREVIATIONS IN THE FOLLOWING NOTES AND SPECIFICATIONS SHALL BE UNDERSTOOD AS FOLLOWS:
- 7.1.

"JURISDICTION" - CITY OF NAPERVILLE STANDARD SPECIFICATIONS AND STANDARD DRAWINGS.
- 7.2.

"STATE HIGHWAY SPECIFICATIONS" - STATE OF ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION AND SUPPLEMENTS
- 7.3.

"STANDARD SPECIFICATIONS" - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION AND SUPPLEMENTS
- 7.4.

ILLINOIS DEPARTMENT OF TRANSPORTATION - "IDOT"
- 7.5.

ILLINOIS DEPARTMENT OF NATURAL RESOURCES - "IDNR"

TED- GENERAL NOTES

1.

THE OWNER OR THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
2.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPERVILLE DESIGN MANUAL AND STANDARD SPECIFICATIONS (CURRENT EDITION) AND WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATIONS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION).
3.

ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE NAPERVILLE CORPORATE LIMITS.
4.

THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
5.

THE CONTRACTOR/DEVELOPER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF NAPERVILLE.
6.

PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL OFF-SITE EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY. THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF NAPERVILLE PRIOR TO ANY WORK BEING STARTED. A PRE-CONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE PROJECT HAS BEEN APPROVED BY THE CITY OF NAPERVILLE DEVELOPMENT REVIEW TEAM AND THE REQUIRED SURETY HAS BEEN POSTED.
8.

A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE TED BUSINESS GROUP (630-420-6100 OPTION 1) PRIOR TO STARTING WORK OR RESTARTING WORK AFTER SOME ABSENCE OF WORK FOR ANY REASON.
9.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY IDENTIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT JULIE FOR THE LOCATION OF ANY AND ALL UTILITIES. THE TOLL NUMBER IS 800-992-0123. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY PRIVATE FACILITIES OR NON-JULIE MEMBER FACILITIES.
10.

THE CONTRACTOR CAN SCHEDULE ALL NECESSARY SITE INSPECTIONS WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6100 OPTION 1. BETWEEN THE HOURS OF 8:00AM AND 4:00PM (CLOSED 1:00PM TO 2:00PM DAILY) ON WEEKDAYS WHEN THE CITY IS OPEN FOR BUSINESS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE SITE PERMIT NUMBER FOR THE PROJECT IN ORDER TO SCHEDULE THE INSPECTION(S).
11.

RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF NAPERVILLE PRIOR TO FINAL OCCUPANCY BEING GRANTED.
12.

FINAL ACCEPTANCE OF PUBLIC IMPROVEMENTS SHALL BE GRANTED ONLY AFTER A FINAL INSPECTION HAS BEEN COMPLETED AND HAS REVEALED THAT ALL IMPROVEMENTS HAVE BEEN SATISFACTORILY COMPLETED IN ACCORDANCE WITH THE NAPERVILLE STANDARD SPECIFICATIONS. UTILITIES ARE NOT CONSIDERED ACCEPTED UNTIL THEY ARE FORMALLY ACCEPTED BY THE CITY COUNCIL AS REQUIRED IN ACCORDANCE WITH THE NAPERVILLE MUNICIPAL CODE.

DEMOLITION NOTES

1.

THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE. "JULIE-ILLINOIS ONE-STOP" UTILITIES ARE NOT CONSIDERED ACCEPTED UNTIL THEY ARE FORMALLY ACCEPTED BY THE CITY COUNCIL AS REQUIRED IN ACCORDANCE WITH THE NAPERVILLE MUNICIPAL CODE. THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVEGROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE, AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
2.

CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION-RELATED DIRT, DUST, AND DEBRIS.
3.

ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. STUMPS MAY BE GROUND TO PROPOSED SUBGRADE IN GRASSED AREAS ONLY UNLESS DIRECTED BY ENGINEER.
4.

ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
5.

ABANDONED/REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED.
6.

CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES THAT WERE DAMAGED BY THE CONSTRUCTION.
7.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO:
- 7.1.

EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
- 7.2.

VERIFY UTILITY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
- 7.3.

NOTIFY ALL UTILITIES OWNER'S PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
- 7.4.

NOTIFY THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
8.

ANY UTILITIES THAT ARE DAMAGED BY THE CONTRACTORS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9.

CONTRACTOR SHALL COORDINATE PRIVATE UTILITY REMOVAL/ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES PRIOR TO CONSTRUCTION.
10.

ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED JURISDICTIONS RECYCLING PLAN.
11.

ANY CONTAMINATED SOILS ENCOUNTERED SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROPRIATE AND APPROVED LANDFILL.
12.

ALL EXISTING UTILITIES SHALL BE FIELD LOCATED AND CLEARLY MARKED BY CONTRACTOR PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING UTILITY LINE LOCATIONS). CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING UTILITY LINE OPENINGS (ULO) TO CONFIRM LOCATIONS OR ELEVATIONS, AS REQUESTED BY THE ENGINEER.
13.

SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24 OF THE STANDARD SPECIFICATIONS AND JURISDICTIONAL SPECIFICATIONS.
14.

WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS AND JURISDICTIONAL SPECIFICATIONS.
15.

ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENTS FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST, AND DEBRIS.
16.

BUILDING REMOVALS SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR. CONTRACTOR SHALL FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS, AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE AND APPROVED LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURNED OR BURIED ONSITE.
17.

CONTRACTOR SHALL REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACKFILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
18.

RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHALL BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION, AND REMOVAL. THIS INCLUDES CURB AND GUTTER, SIDEWALK, TOPSOIL, SEEDING, AND MULCHING.

CONSTRUCTION SEQUENCING

1.

INSTALL PERIMETER SILT FENCE, INLET PROTECTION, AND CONSTRUCTION ENTRANCE.
2.

STRIP AND STOCKPILE TOPSOIL AND INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
3.

CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES.
4.

INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
5.

COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
6.

PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
7.

EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% CONTIGUOUS VEGETATIVE COVER IS ESTABLISHED.

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

SEEDING AND RESTORATION NOTES

1.

CONTRACTOR SHALL PROVIDE NOTICE TO THE JURISDICTIONAL AUTHORITIES IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
2.

ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
3.

CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7-DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
4.

ALL SLOPES 20% OR GREATER SHALL BE TEMPORARILY SEEDDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE. REFER TO STABILIZATION PRACTICES IN THE EROSION CONTROL NOTES FOR FURTHER SPECIFICATIONS.

TED- TRAFFIC CONTROL AND PROTECTION NOTES

1.

ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. TRAFFIC CONTROL MUST BE PROVIDED FOR ANY ACTIVITY THAT IMPACTS TRAFFIC FLOW. THIS INCLUDES, BUT IS NOT LIMITED TO, ROAD CLOSURES REQUIRING DETOURS, DAILY LANE CLOSURES, LONG TERM LANE CLOSURES, NARROW LANES, AND CONSTRUCTION VEHICLES ENTERING AND EXITING THE PUBLIC ROADWAY. ALL TRAFFIC CONTROL SET-UPS MAY BE INSPECTED BY THE CITY OF NAPERVILLE TO ENSURE THAT THEY ARE PROVIDING POSITIVE GUIDANCE TO MOTORISTS AND ARE NOT IN THEMSELVES PRESENTING A HAZARDOUS SITUATION. A REPRESENTATIVE OF THE DEVELOPER OR CONTRACTOR MUST PROVIDE PHONE NUMBERS AT WHICH THEY CAN BE REACHED 24 HOURS A DAY AND ON WEEKENDS SO THAT THEY CAN MAINTAIN TRAFFIC CONTROL DEVICES.
2.

PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES. GUIDANCE MUST BE PROVIDED TO PEDESTRIANS TO THAT THEY MAY AVOID THE WORK ZONE. SAID PEDESTRIAN DETOUR PLAN (WITH SIGNAGE) IS TO BE REVIEWED AND ACCEPTED BY THE CITY IN WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
3.

THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE CITY ENGINEER.
4.

ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.

GRADING AND EARTHWORK NOTES

1.

ALL SITE PREP AND EARTHWORK SHALL CONFORM TO THE GEOTECHNICAL REPORT PREPARED BY TERRACON, TITLED GEOTECHNICAL ENGINEERING REPORT, ISSUE DATE FEBRUARY 20, 2025. ALL REFERENCES TO THE "GEOTECHNICAL REPORT" SHALL BE UNDERSTOOD AS THE AFOREMENTIONED REPORT.
2.

ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY, AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3.

CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST-EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
4.

ALL EXCAVATIONS AND FILLS SHALL BE TO THE ELEVATIONS SHOWN ON THE DRAWINGS AND SHALL INCLUDE SUFFICIENT DEPTHS FOR PLACEMENT OF FILL MATERIALS, BASE COURSES, PAVEMENTS, TOPSOIL, AND OTHER MATERIALS TO THE SPECIFIED DEPTHS.
5.

CONTRACTOR SHALL NOT EXCAVATE BELOW ELEVATIONS OR DESIGN GRADES SHOWN ON THE DRAWINGS WITHOUT PRIOR AUTHORIZATION FROM ENGINEER AND OWNER.
6.

PRIOR TO ALL EXCAVATION OR FILLING OPERATIONS, CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TOPSOIL FROM PROPOSED LOCATIONS OF BUILDINGS, STRUCTURES, ROADS, WALKS, OTHER PAVED AREAS, STORM WATER FACILITIES OR WITHIN THE GRADING EXTENTS WHERE EXISTING GRADES ARE ALTERED BY MORE THAN 3". REMOVED OR STRIPPED TOPSOIL SHALL BE SEGREGATED AND STOCKPILED ON-SITE IN AN APPROPRIATE LOCATION TO BE RESPREAD AS SPECIFIED ON THE DRAWINGS.
7.

CONTRACTOR SHALL NOT PLACE ANY FILL OR OTHER MATERIALS ON AREAS THAT HAVE NOT HAD TOPSOIL REMOVED, ARE FROZEN, SATURATED, OR YIELDING. CONTRACTOR SHALL NOTIFY OWNER OR ENGINEER IF SUBGRADE CONDITIONS ARE NOT SUITABLE. FOR SUPPORTING FILL AND A FURTHER DETERMINATION SHALL BE PROVIDED BY OWNER OR ENGINEER.
8.

CONTRACTOR SHALL PLACE THE FILLS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT INCLUDING LIFT DEPTHS AND COMPACTION EFFORTS.
9.

PRIOR TO PLACEMENT OF BASE COURSE MATERIALS IN PAVEMENT OR HARD SURFACE AREAS OR CONDUCTING EXCAVATION BELOW SUBGRADE (EBS) ELEVATIONS, CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER TO CONDUCT AN INSPECTION OF THE PREPARED SUBGRADE AND PROOF-ROLLING. PROOF-ROLLING SHALL BE CONDUCTED BY THE CONTRACTOR IN WITNESS OF THE OWNER AND ENGINEER. OWNER AND ENGINEER SHALL DETERMINE IF AREAS OF EBS ARE REQUIRED. EBS SHALL BE COMPLETED BY THE CONTRACTOR PER THE DIRECTION OF THE OWNER AND ENGINEER.
10.

SOIL MATERIAL SPECIFICATIONS:
- 10.1.

FILL AND BACKFILL MATERIALS
- 10.1.1.

MATERIAL SHALL BE SATISFACTORY MATERIALS EXCAVATED FROM THE SITE, PER THE GEOTECHNICAL REPORT. IF SATISFACTORY MATERIALS ARE NOT AVAILABLE, ONSITE OR ADDITIONAL MATERIALS ARE REQUIRED, REFER TO IMPORTED FILL MATERIAL SPECIFICATIONS.
- 10.2.

IMPORTED FILL MATERIAL
- 10.2.1.

MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR FROM OFFSITE BORROW AREAS WHEN SUFFICIENT, SATISFACTORY MATERIALS ARE NOT AVAILABLE ONSITE. IMPORTED FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND CONSIST OF CLEAN MATERIAL OF INORGANIC SOILS OR A MIXTURE OF INORGANIC SOIL AND ROCK, STONE, OR GRAVEL. THE MATERIAL SHALL BE FREE OF TOPSOIL, VEGETATION, PAVEMENT RUBBLE, DEBRIS, OR OTHER DELETERIOUS MATERIALS. THE MAXIMUM NOMINAL DIMENSION OF MATERIALS CONSISTING OF ROCK, STONE, OR GRAVEL SHALL BE 6".
- 10.3.

GRANULAR FILL
- 10.3.1.

MATERIAL SHALL CONSIST OF CLEAN MATERIAL MEETING THE REQUIREMENTS OF SECTION 1003 OF THE STATE HIGHWAY SPECIFICATIONS.

PAVING NOTES

1.

GENERAL:
- 1.1.

PAVING SHALL CONFORM TO STATE HIGHWAY SPECIFICATIONS, SECTION 500 OF CITY OF NAPERVILLE STANDARD SPECIFICATIONS, AND THE GEOTECHNICAL REPORT PREPARED BY TERRACON, TITLED GEOTECHNICAL ENGINEERING REPORT, ISSUE DATE FEBRUARY 20, 2025. ALL REFERENCES TO THE "GEOTECHNICAL REPORT" SHALL BE UNDERSTOOD AS THE AFOREMENTIONED REPORT.
- 1.2.

ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
- 1.3.

ALL SPOT GRADES ARE TO EDGE OF PAVEMENT UNLESS SPECIFIED OTHERWISE.
- 1.4.

SURFACE PREPARATION - NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
- 1.5.

ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER, PAVEMENT, OR SIDEWALK SHALL MATCH EXISTING AND MEET JURISDICTIONAL REQUIREMENTS.
2.

CRUSHED AGGREGATE BASE COURSE SPECIFICATIONS:
- 2.1.

ALL SUBGRADE MATERIAL SHALL HAVE A MINIMUM ILLINOIS BEARING RATIO (IBR) OF 3.0 AS MEASURED BY A DYNAMIC CONE PENETROMETER. SUBGRADE MATERIAL HAVING AN IBR OF LESS THAN 3.0 SHALL BE MODIFIED BY UNDERCUTTING AND BACKFILLING THE UNSUITABLE AREAS IN ACCORDANCE WITH SECTION 503.1.
- 2.2.

UNLESS OTHERWISE INDICATED, ALL SUBBASE SHALL BE CONSTRUCTED OF COMPACTED, CRUSHED AGGREGATE MEETING IDOT GRADATION CA-6.
- 2.3.

DO NOT PLACE BASE ON FROZEN FOUNDATIONS UNLESS THE ENGINEER APPROVES OTHERWISE.
- 2.4.

DO NOT PLACE BASE ON FOUNDATIONS THAT ARE SOFT, SPONGY, OR COVERED BY ICE OR SNOW.
3.

HOT MIXED ASPHALT (HMA) PAVING SPECIFICATIONS:
- 3.1.

BITUMINOUS CONCRETE BASE COURSE, BITUMINOUS CONCRETE BINDER COURSE AND BITUMINOUS CONCRETE SURFACE COURSE SHALL MEET THE MIX DESIGN AND GRADATION FOR THE STATE OF ILLINOIS SPECIFICATIONS FOR BITUMINOUS AGGREGATE MIXTURE, BITUMINOUS CONCRETE BINDER COURSE CLASS MODIFIED, AND BITUMINOUS CONCRETE SURFACE COURSE CLASS 1 MODIFIED, RESPECTIVELY. ALL MIX DESIGNS SHALL BE APPROVED BY THE CITY ENGINEER. THE SURFACE COURSE ON ALL ORIGINAL ROADWAY CONSTRUCTION AND PAVEMENT WIDENINGS SHALL BE COMPRISED OF ONLY VIRGIN MATERIALS.
- 3.2.

THE PLACING, CONSTRUCTION, AND COMPOSITION OF THE BASE COURSE AND HMA SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 351 AND 406 OF THE STATE HIGHWAY SPECIFICATIONS.
- 3.3.

WEATHER LIMITATIONS:
- 3.3.1.

DO NOT PLACE HMA WHEN BASE IS WET OR CONTAINS EXCESS MOISTURE.
- 3.3.2.

DO NOT PLACE ASPHALTIC MIXTURE WHEN THE AIR TEMPERATURE IS APPROXIMATELY 3" ABOVE GRADE, IN SHADE, AND AWAY FROM ARTIFICIAL HEAT SOURCES IS LESS THAN 40°F UNLESS A VALID ENGINEER-ACCEPTED COLD WEATHER PAVING PLAN IS IN EFFECT.
- 3.3.3.

PLACE ASPHALTIC MIXTURE ONLY ON A PREPARED, FIRM, AND COMPACTED BASE, FOUNDATION LAYER, OR EXISTING PAVEMENT. SUBSTANTIALLY SURFACE-DRY AND FREE OF LOOSE AND FOREIGN MATERIAL. DO NOT PLACE OVER FROZEN SUBGRADE OR BASE, OR WHERE THE ROADBED IS UNSTABLE.
- 3.3.4.

APPLY TACK COAT ONLY WHEN THE AIR TEMPERATURE IS 32°F OR MORE UNLESS THE ENGINEER APPROVES OTHER SURFACING.
- 3.3.5.

ALL ASPHALT (BOTH UPPER AND LOWER LAYERS) SHALL BE DELIVERED TO THE PROJECT SITE AT A TEMPERATURE NOT LOWER THAN 250°F.
- 3.4.

CONTRACTOR SHALL ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
- 3.5.

BINDER COURSE AGGREGATE:
- 3.5.1.

THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTION 406 OF THE STATE HIGHWAY SPECIFICATIONS.
- 3.6.

SURFACE COURSE AGGREGATE
- 3.6.1.

THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTION 1003 OF THE STATE HIGHWAY SPECIFICATIONS.
- 3.7.

ASPHALTIC MATERIALS
- 3.7.1.

THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTIONS 1030 AND 1032 OF THE STATE HIGHWAY SPECIFICATIONS.
4.

CONCRETE PAVING SPECIFICATIONS:
- 4.1.

THE PAVEMENT SHALL BE OF PORTLAND CEMENT CONCRETE WITH OR WITHOUT REINFORCEMENT AS CONSTRUCTED ON A PREPARED SUBGRADE AND SUBBASE.
- 4.2.

NO ADMIXTURES OTHER THAN AIR ENTRAINMENT AGENTS IN ACCORDANCE WITH ASTM C-33 SHALL BE USED IN THE CONCRETE WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER. ALL ADMIXTURES SHALL MEET ALL APPLICABLE AASHTO AND ASTM STANDARDS AND REQUIREMENTS. THE USE OF CALCIUM CHLORIDE IS NOT ALLOWED UNLESS APPROVED IN WRITING BY THE CITY ENGINEER AND THEN ONLY WHEN ADDED BY THE CONCRETE SUPPLIER AT THE BATCH PLANT IN ACCORDANCE WITH THE IDOT MANUAL OF INSTRUCTIONS FOR CONCRETE PROPORTIONING AND TESTING.
- 4.3.

ALL SIDEWALKS AND COMMERCIAL DRIVEWAY APPROACHES SHALL BE CONSTRUCTED OF CLASS PY CONCRETE (6.1 BAGS OF CEMENT) WITH OR WITH AN AIR ENTRAINMENT OF 6.1% AT A MAXIMUM SLUMP OF 4 INCHES. RESIDENTIAL DRIVEWAY APRONS AND SERVICE WALKS MAY BE CONSTRUCTED OF MATERIALS OTHER THAN PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PROVIDED THAT THE DESIGN IS APPROVED BY THE TRANSPORTATION, ENGINEERING AND DEVELOPMENT BUSINESS GROUP AND A PERMIT IS OBTAINED FROM THE CITY OF NAPERVILLE. THE CONSTRUCTION OF THE DRIVEWAY AND THE LAND MUST BE RECORDED SUBJECTING THE PROPERTY TO COVENANTS AND RESTRICTIONS CONCERNING THE ALTERNATE DRIVEWAY SURFACE OR SERVICE WALK.
- 4.4.

ALL CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH NAPERVILLE STANDARD DETAILS 590.20, 590.21, 590.22, 590.23, 590.24 AS APPROPRIATE, AND SECTION 1020 OF THE IDOT STANDARD SPECIFICATIONS, WHERE CURB AND GUTTER CROSSES UTILITY TRENCHES, THE CURB AND GUTTER SHALL BE CONSTRUCTED WITH TWO NO. 4 EPOXY COATED DEFORMED STEEL REINFORCEMENT BARS EXTENDING A MINIMUM OF 3 FEET BEYOND THE EDGE OF THE TRENCH.
- 4.5.

ALL DRIVEWAY APRONS OR APPROACHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH NAPERVILLE STANDARD DETAILS 590.5, 590.6 AND 590.7, AND SECTION 1020 OF THE IDOT STANDARD SPECIFICATIONS.
- 4.6.

ALL SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NAPERVILLE STANDARD DETAILS 590.30, 590.31, AND 590.32, AND SECTION 1020 OF THE IDOT STANDARD SPECIFICATIONS.
- 4.7.

CURING AND PROTECTION: IF MEMBRANE CURING COMPOUNDS ARE UTILIZED THEY SHALL ALSO BE A TYPE WHICH PROVIDES A PROTECTIVE SEAL WHICH IS SATISFACTORY TO THE CITY ENGINEER. ALL CONCRETE CURB AND GUTTER SHALL BE CURED BY RUNNING WITH PAVEMENTS IN THE CITY OF NAPERVILLE SHALL BE CURED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS. ALL PROVISIONS OF SECTION 1020.13 SHALL BE EMPLOYED. ALL MEMBRANE PRODUCTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 4.8.

EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
- 4.9.

CONTRACTOR SHALL INSTALL TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS AS SPECIFIED ON PLANS AND IN ACCORDANCE WITH STATE AND FEDERAL REQUIREMENTS.
5.

PAVEMENT MARKING SPECIFICATIONS:
- 5.1.

ALL PAVEMENT MARKINGS AND MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 780 THROUGH ARTICLE 783 OF THE IDOT STANDARD SPECIFICATIONS.

TED- GEOMETRIC AND PAVING NOTES

1.

THE DEVELOPER AND CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO ADEQUATELY PROTECT THE PAVEMENT AND PROPERTY, CURB AND GUTTER AND OTHER RIGHT-OF-WAY IMPROVEMENTS, WHETHER NEWLY CONSTRUCTED OR EXISTING, FROM ANY AND ALL DAMAGE. SUFFICIENT MEANS SHALL BE EMPLOYED BY THE CONTRACTOR TO PROTECT AGAINST SUCH DAMAGE TO THE SATISFACTION OF THE CITY ENGINEER.
2.

ANY NEW OR EXISTING IMPROVEMENTS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED IN A MANNER THAT IS SATISFACTORY TO THE CITY ENGINEER.
3.

THE CONTRACTOR AND/OR DEVELOPER SHALL SECURE ALL NECESSARY RIGHTS AND PERMISSIONS TO PERFORM ANY WORK ON PRIVATE PROPERTY NOT WITHIN THE OWNERSHIP RIGHTS OF THE DEVELOPER. THE DEVELOPER SHALL BEAR THE SOLE RESPONSIBILITY FOR DAMAGES THAT MAY OCCUR AS A RESULT OF WORK PERFORMED UNDER CONTRACTS THEY INITIATE.
4.

THE CONTRACTOR/DEVELOPER WILL BE RESPONSIBLE FOR BRINGING PAVEMENTS (STREET, CURB AND GUTTER, SIDEWALK, DRIVEWAY) ON THE PROPERTY UP TO CITY STANDARDS INCLUDING ANY REPAIRS TO SUBSTANDARD PAVEMENTS THAT EXISTED PRIOR TO OR OCCURRED DURING CONSTRUCTION.
5.

WHEREVER NEW WORK WILL MEET EXISTING CONDITIONS OTHER THAN LAWN AREAS, REGARDLESS OF WHETHER THE NEW OR EXISTING WORK IS ASPHALT OR CONCRETE, THE EXISTING ADJACENT SIDEWALK, DRIVEWAYS, PAVEMENT OR CURB SHALL BE NEATLY SAW CUT. THE SAW CUT SHALL BE IN A NEAT STRAIGHT LINE SUFFICIENTLY DEEP SO THAT IT RENDERS A SMOOTH VERTICAL FACE TO MATCH TO. IF THE CONTRACTOR IS NOT CAREFUL OR DOES NOT SAW DEEP ENOUGH AND THE CUT LINE BREAKS OUT OR CHIPS TO AN IMPERFECT EDGE, THEN THE EXISTING SIDE MUST BE RE-CUT SQUARE AND DONE OVER. IT IS CORRECT. 6. ALL PAVEMENT PATCHES WITHIN THE PUBLIC RIGHT-OF-WAY MUST CONFORM TO CITY STANDARDS. REFERENCE NAPERVILLE STANDARD DETAILS 590.12 AND 590.13.

EROSION CONTROL NOTES

1.

CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL PLAN.
2.

ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH IDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
3.

INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE, AND EXISTING INLET PROTECTION) PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE COVER. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO IDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE JURISDICTIONAL AUTHORITIES PRIOR TO DEVIATION OF THE APPROVED PLAN.
4.

ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY JURISDICTIONS HAVING AUTHORITY AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
5.

INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
6.

ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5". ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
7.

CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRE-APPROVED BY THE JURISDICTION. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" SELECTED CRUSHED. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT OFF-SITE AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
8.

PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND/OR SCRAPPED TO REMOVE ACCUMULATED SOIL, DIRT, AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE JURISDICTIONAL AUTHORITIES.
9.

INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLETS OF ALL INSTALLED STORM SEWER.
10.

INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
11.

EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
- 11.1.

PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
- 11.2.

BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
- 11.3.

DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE IDNR DEWATERING TECHNICAL STANDARDS PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
12.

ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH EROSION MATTING PER SECTION 1080 OF STATE HIGHWAY SPECIFICATIONS OR APPLICATION OF A IDOT APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE. DRAINAGE SVALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND IDNR TECHNICAL STANDARDS.
13.

CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO IDNR TECHNICAL STANDARD.
14.

A CONCRETE WASHOUT AREA SHALL BE DESIGNATED ONSITE. CONTRACTOR SHALL USE PRE-MANUFACTURED ABOVE GROUND WASHOUT TANKS OR EQUIVALENT CONTAINMENT AREA FOR ALL CONCRETE WASTE. CONCRETE WASTE SHALL ONLY BE CONTAINED IN ABOVE GROUND PRE-FABRICATED CONTAINERS OR CONSTRUCTED CONTAINMENT AREA AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FREQUENTLY DISPOSE OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS TO MAINTAIN THE SYSTEMS EFFECTIVENESS.
15.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
- 15.1.

THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED OR IS PRECIPITATED BY SNOW COVER IN THAT PORTION OF THE SITE.
- 15.2.

CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED (I.E., THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAY). IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
- 15.3.

STABILIZATION MEASURES SHALL BE DETERMINED BASED ONSITE CONDITIONS WHEN CONSTRUCTION ACTIVITY HAS CEASED INCLUDING, BUT NOT LIMITED TO, WEATHER CONDITIONS AND LENGTH OF TIME THE MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
- 15.3.1.

PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
- 15.3.2.

TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) IN SPRING/SUMMER OR WHEAT OR CEREAL RYE (150LBS./ACRE) IN FALL.
- 15.3.3.

HYDRO-MULCHING WITH A TACKIFIER
- 15.3.4.

WOVEN AND NON-WOVEN GEOTEXTILES
- 15.3.5.

EROSION MATTING
- 15.3.6.

SODDING
- 15.3.7.

OTHER MEASURES AS APPROVED BY THE ENGINEER
16.

EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A CONTIGUOUS DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
17.

CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH IDNR REQUIREMENTS AND/OR REQUEST FOR PERMIT CLOSURE IN ACCORDANCE WITH JURISDICTION PERMIT AND SPECIFICATION REQUIREMENTS.

TED- EROSION CONTROL AND DRAINAGE NOTES

1.

THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
2.

DURING EXTENDED DRY PERIODS, THE CONSTRUCTION AREA(S) MAY NEED TO BE WATERED DOWN TO PREVENT THE BLOWING OF SOIL FROM THE SITE.
3.

DURING CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE UTILIZED TO MINIMIZE THE TRACKING OF DIRT ONTO THE PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP PUBLIC STREET PAVEMENT CLEAN OF DIRT AND DEBRIS. ANY DIRT THAT IS TRACKED ONTO THE PUBLIC STREETS SHALL BE REMOVED THE SAME DAY. IF THE AMOUNT TRACKED ON THE PUBLIC STREET IS EXCESSIVE, CLEANING MAY BE REQUIRED MORE FREQUENTLY.
4.

ALL EROSION CONTROL MEASURES SHALL BE PROPERLY INSTALLED, AS PERMITTED, PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. ALL EROSION CONTROL SHALL BE MAINTAINED UNTIL TURF IS ESTABLISHED.
5.

ACCEPTABLE PERIMETER EROSION CONTROL INCLUDES SILT FENCE, SILT WORM AND ANY OTHER APPLICATION APPROVED BY THE CITY ENGINEER.
6.

ALL OPEN GRADE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS. STRAW BALES SHALL NOT BE USED.
7.

STOCKPILES NOT BEING DISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDDED.
8.

ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY, AFTER ANY 0.5 INCH OR GREATER RAINFALL, OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN THEIR FUNCTION.

CONSTRUCTION SITE DEWATERING NOTES

1.

ALL CONSTRUCTION SITE DEWATERING PRACTICES SHALL BE IN ACCORDANCE WITH IDNR TECHNICAL STANDARDS.
2.

CONTRACTOR SHALL DISCHARGE TREATED EFFLUENT FROM DEWATERING SYSTEM TO LOCATIONS IN ACCORDANCE WITH IDNR TECHNICAL STANDARDS. CONTRACTOR SHALL OBTAIN APPROVAL FROM LOCAL JURISDICTION OR ADJACENT PRIVATE PROPERTY OWNERS FOR ALL DISCHARGES TO JURISDICTIONS PUBLIC INFRASTRUCTURE OR PRIVATE PROPERTY.
3.

IN THE EVENT OF DIRTY/UNCLEAR DISCHARGE, CONTRACTOR SHALL HALT PUMPING OPERATIONS AND EVALUATE THE DEWATERING TREATMENT/FILTERING SYSTEM.
4.

IN THE EVENT CONTRACTOR FINDS SIGNS OF CONTAMINATION IN THE GROUNDWATER OR SITE SOILS, ALL DEWATERING PRACTICES SHALL BE HALTED AND CONTAMINATION SHALL BE EVALUATED BY A QUALIFIED PROFESSIONAL TO PREVENT TRANSPORTATION OF CONTAMINATES DOWNSTREAM OF DISCHARGES.
- 4.1.

IF DEWATERING PRACTICES CONTINUE WITH CONTAMINATED GROUNDWATER OR SOIL CONDITIONS, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED PERMITS AND APPROVALS TO CONTINUE OPERATION OF DEWATERING SYSTEMS.
- 4.2.

UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR DISCHARGE CONSTRUCTION SITE DEWATERING PRACTICES TO THE SANITARY SEWER WITHOUT AUTHORIZATION AND PERMIT APPRO

ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGERS HOTLINE" PRIOR TO ANY CONSTRUCTION.

2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:

2.1. EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS, ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.

2.2. OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.

2.3. VERIFYING ALL ELEVATIONS, LOCATIONS, AND SIZES OF SANITARY, WATER, AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.

2.4. NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.

2.5. NOTIFYING THE DESIGN ENGINEER OF ANY JURISDICTIONAL AUTHORITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.

2.6. COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.

3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION AND LOCAL CODES AND SPECIFICATIONS. THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE JURISDICTIONAL AUTHORITIES.

4. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH CITY OF NAPERVILLE STANDARD SPECIFICATIONS SECTIONS 200, 300, AND 400.

5. SPECIFICATIONS SHALL COMPLY WITH THE JURISDICTIONAL AUTHORITY'S SPECIAL PROVISIONS.

6. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.

7. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.

8. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.

9. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.

10. ALL NON-METALLIC UTILITY PIPES (SANITARY SEWER, STORM SEWER, AND WATER PIPING) SHALL BE INSTALLED IN CONJUNCTION WITH TRACER WIRE AS REQUIRED BY SECTIONS 02558 AND 151130 OF THE STANDARD SPECIFICATIONS. COLOR OF TRACER WIRE SHALL BE: SANITARY SEWER - GREEN, STORM SEWER - BROWN, WATER - BLUE, NON-POTABLE WATER - PURPLE.

11. DRY UTILITIES (COMMUNICATION, TELEPHONE, GAS, ELECTRIC, ETC.) ARE SHOWN FOR GENERAL ROUTING ONLY. CONTRACTOR SHALL COORDINATE DESIGN AND FINAL LOCATION WITH APPROPRIATE UTILITY COMPANY.

12. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.

13. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE JURISDICTIONAL AUTHORITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE INSTALLED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.

15. **STORM SEWER SPECIFICATIONS:**

15.1. PIPE:

15.1.1. REINFORCED CONCRETE PIPE (RCP) - SHALL CONFORM TO ASTM DESIGNATION C 76, CLASSES I, II, III, IV OR V. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433. REINFORCED CONCRETE PIPE SHALL ALSO BE PERMITTED AS ROUND, ELLIPTICAL, OR BOX SHAPED OR AS REINFORCED CONCRETE ARCH CULVERT.

15.1.2. NON-REINFORCED CONCRETE PIPE (NRCP) - SHALL BE ALLOWED FOR PIPES WITH A 10 INCH OR SMALLER DIAMETER. NON-REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 14, CLASS 3. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433.

15.1.3. HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE (HDPE) - SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 252 AND M 294. PIPE AND FITTINGS SHALL BE MADE FROM VIRGIN PE COMPOUNDS WHICH CONFORM TO THE REQUIREMENTS OF CELL CLASS 324420C AS DEFINED AND DESCRIBED IN ASTM D3350. RUBBER GASKET JOINTS SHALL BE USED.

15.1.4. POLYVINYL CHLORIDE (PVC) - SHALL CONFORM TO ASTM D 3034, TYPE PSM. THE MINIMUM STANDARD DIMENSION RATIO (SDR) SHALL BE 26. THE PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 12454-C, AND SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) LBS. PER INCH (317 KPA). JOINTS FOR PVC PIPE SHALL BE FLEXIBLE ELASTOMERIC SEALS PER ASTM D 3212.

15.2. INLETS AND CATCH BASINS:

15.2.1. CATCH BASINS AND INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 24 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL CATCH BASINS AND INLETS SHALL BE WATER-TIGHT AT ALL POINTS BELOW GRADE. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.

15.2.2. POLYVINYL CHLORIDE (PVC) INLETS BY NYLOPLAST ONLY WHEN SPECIFIED ON PLANS, CONFORMING TO ASTM D1781, ASTM D3212, ASTM F477, AND MANUFACTURER'S REQUIREMENTS. REFER TO PLANS FOR LID OR GRATE SPECIFICATION.

15.2.3. FRAME AND GRATULIDS:

15.2.3.1. CATCH BASINS AND INLETS SHALL BE FURNISHED WITH A FRAME AND GRATE BASED UPON THE LOCATION OF THE INSTALLATION AS LISTED BELOW. ALL FRAMES AND GRATULIDS SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT. ALL STORM SEWER LIDS AND GRATULIDS SHALL BE CAST WITH "DUMP NO WASTE, DRAINS TO RIVER".

15.2.3.2. PAVEMENT: EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL.

15.2.3.3. BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, OR APPROVED EQUAL.

15.2.3.4. DEPRESSED CURB: EAST JORDAN IRON WORKS 5120 FRAME AND GRATE, OR APPROVED EQUAL.

15.2.3.5. MOUNTABLE CURB: EAST JORDAN IRON WORKS 7525 FRAME AND GRATE, OR APPROVED EQUAL.

15.2.3.6. NON-PAVED AREAS: EAST JORDAN IRON WORKS 6527 BEEHIVE GRATE, OR APPROVED EQUAL. ALTERNATELY, IN AREAS WHERE THERE IS THE LIKELIHOOD OF PEDESTRIAN TRAFFIC, EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL MAY BE USED.

15.2.4. MANHOLES:

15.2.4.1. MANHOLES FOR STORM SEWERS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL MANHOLES SHALL BE WATER-TIGHT. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.

15.2.4.2. MANHOLES SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER (EAST JORDAN IRON WORKS 1022 WITH TYPE A SOLID COVER, OR APPROVED EQUAL) WITH THE WORD "STORM" IMPRINTED ON THE COVER IN RAISED LETTERS. ALL FRAMES AND LIDS SHALL MEET OR EXCEED AASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT.

15.3. BACKFILL AND BEDDING:

15.3.1. BEDDING, OTHER THAN CONCRETE EMBEDMENT, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH TO 1 INCH IN SIZE. AS A MINIMUM, THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF DOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-7 OR CA-11 OF THE STANDARD SPECIFICATIONS.

15.3.2. BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF DOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-6 OF THE STANDARD SPECIFICATIONS.

15.3.3. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS.

15.4. FIELD TIE CONNECTIONS:

15.4.1. ALL FIELD TIE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TIE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.

16. **WATER MAIN & WATER LATERAL SPECIFICATIONS:**

16.1. PIPE:

16.1.1. DUCTILE IRON PIPE SHALL CONFORM TO ANSI/AWWA C151/A21 5-02 (OR LATEST EDITION). THE MINIMUM THICKNESS DESIGNATION SHALL BE CLASS 52. CASTING, MARKING, TESTING, ETC. SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE ANSI OR AWWA STANDARDS. CEMENT LINING SHALL BE PROVIDED IN ACCORDANCE WITH ANSI/AWWA C104/A21 4-03 (OR LATEST EDITION).

16.2. PIPE FITTINGS:

16.2.1. ALL CAST AND DUCTILE IRON FITTINGS SHALL CONFORM TO THE LATEST ANSI/AWWA C110/A21 1-03 (OR LATEST EDITION) FOR SHORT BODY, CAST AND DUCTILE IRON FITTINGS, 3 INCHES TO 48 INCHES IN DIAMETER. DUCTILE IRON COMPACT FITTINGS 3 INCHES TO 24 INCHES IN DIAMETER SHALL BE IN ACCORDANCE WITH ANSI/AWWA C153/A21 53-00 (OR LATEST EDITION).

16.3. VALVES AND VALVE BOXES:

16.3.1. ALL VALVES SHALL BE STANDARD PATTERN AND SHALL HAVE THE NAME OR MARK OF THE MANUFACTURER, SIZE AND WORKING PRESSURE PLAINLY CAST IN RAISED LETTERS ON THE VALVE BODY. VALVES MAY BE APPROVED FROM ONE OF THE FOLLOWING MANUFACTURERS: AMERICAN, CLOW, WATERLOO OR KENNEDY.

16.3.2. THE VALVE BODIES SHALL BE CAST OR DUCTILE IRON, MOUNTED WITH APPROVED NON-CORROSIVE METALS. ALL WEARING SURFACES SHALL BE OF APPROVED NON-CORROSIVE MATERIAL.

16.3.3. ALL VALVES SHALL BE WELDED TO THE GATE VALVE STEM WITH UPPER AND LOWER THRUST COLLARS. WATERWAYS SHALL BE SMOOTH AND HAVE NO GROOVE OR DEPRESSION WHERE FOREIGN MATERIAL CAN LODGE AND PREVENT SEALING. THE STEM SHALL BE BRONZE OR OTHER APPROVED NON-CORROSIVE METAL. ALL VALVES SHALL OPEN BY TURNING COUNTERCLOCKWISE. RESILIENT GATE VALVE SHALL MEET THE STANDARDS OF AWWA C509-01 OR AWWA C515-01 (OR LATEST EDITION).

16.3.4. ALL NUTS, BOLTS AND WASHERS SHALL BE STAINLESS STEEL, TYPE 304 OR BETTER.

16.3.5. END CONNECTIONS - END CONNECTIONS OF ALL VALVES SHALL BE THE MECHANICAL JOINT TYPE.

16.4. WATER SERVICES CONNECTIONS:

16.4.1. SERVICES 2" IN DIAMETER OR LESS SHALL USE A TAP SERVICE WITH A CORPORATION STOP AND CURB STOP VALVE WITH SERVICE BOX PER JURISDICTIONAL REQUIREMENTS.

16.4.2. SERVICES GREATER THAN 2" IN DIAMETER SHALL USE A TAPPING SLEEVE OR CUT-IN TEE CONNECTION WITH VALVE OF EQUIVALENT PIPE DIAMETER AND VALVE BOX PER JURISDICTIONAL REQUIREMENTS.

16.5. HYDRANTS:

16.5.1. HYDRANTS SHALL CONFORM TO SECTION 402.15 OF THE CITY OF NAPERVILLE STANDARD SPECIFICATIONS.

16.6. JOINTS:

16.6.1. JOINTS FOR DUCTILE IRON PIPE SHALL CONSIST OF ONE OF THE TWO FOLLOWING TYPES UNLESS OTHERWISE PROVIDED IN THE SPECIAL PROVISIONS: A) MECHANICAL JOINTS WITH STAINLESS STEEL NUTS, BOLTS AND WASHERS, TYPE 304 OR BETTER. B) PUSH-ON RUBBER GASKET JOINTS: AWWA C600-09 (OR LATEST EDITION). GASKETS FOR WATER MAIN LOCATED WITHIN 100 FEET OF A VEHICLE FUELING FACILITY SHALL BE BUNA N OR FLUOROCARBON RUBBER.

16.7. BEDDING AND COVER MATERIAL:

16.7.1. THE MATERIAL USED FOR PIPE BEDDING SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE CONFORMING TO THE REQUIREMENTS OF ARTICLE 1004.01

THE FOLLOWING MATERIALS ARE PERMITTED FOR STORM SEWER AND PIPE CULVERTS. WHERE A PARTICULAR MATERIAL IS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, NO OTHER KIND OF MATERIAL WILL BE PERMITTED.

1. REINFORCED CONCRETE PIPE (RCP) - REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 76. JOINTS SHALL BE RUBBER GASKETED JOINTS. JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433. REINFORCED CONCRETE PIPE SHALL ALSO BE PERMITTED AS ROUND, ELLIPTICAL, OR BOX CULVERTS OR AS REINFORCED MECHANICAL OR RUBBER JOINT.

2. NON-REINFORCED CONCRETE PIPE - NON-REINFORCED CONCRETE PIPE SHALL BE ALLOWED FOR PIPES WITH A 10 INCH OR SMALLER DIAMETER. NON-REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM DESIGNATION C 14, CLASS 3. BITUMINOUS JOINTS SHALL CONFORM TO ASTM DESIGNATIONS C 14 OR C 76 AS MAY BE APPLICABLE. BITUMINOUS MATERIAL SHALL CONSIST OF A HOMOGENEOUS BLEND OF BITUMEN, INERT FILLER, AND SUITABLE SOLVENT APPROVED BY THE CITY ENGINEER. RUBBER GASKET JOINTS SHALL CONFORM TO ASTM C 433.

3. DUCTILE IRON PIPE (DIP) - DUCTILE IRON PIPE SHALL CONFORM TO ANSI A 21.51 (AWWA C-151), CLASS THICKNESS DESIGNED PER ANSI A 21.50 (AWWA C-150), TAP (SEA), COATED AND CEMENT LINED PER ANSI A 21.4 (AWWA C-10), WITH A REINFORCED MECHANICAL OR RUBBER JOINT (SLIP SEAL OR PUSH ON) JOINTS. ALL DUCTILE IRON PIPE SHALL BE WRAPPED WITH POLYETHYLENE.

4. POLYVINYL CHLORIDE PIPE (PVC) - POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO ASTM D 3343, TYPE PSM. THE MINIMUM STANDARD DIMENSIONAL RATIO (SDR) SHALL BE 26. THE PIPE SHALL BE MADE OF PVC PIPE HAVING A MINIMUM STANDARD DIMENSIONAL RATIO (SDR) OF 12454 AND SHALL HAVE A MINIMUM STIFFNESS OF FORTY-SIX (46) LBS. PER INCH (317 PCA). JOINTS FOR PVC PIPE SHALL BE FLEXIBLE ELASTOMERIC SEALS PER ASTM C 422.

5. HIGH DENSITY POLYETHYLENE PIPE (HDPE) - HIGH-DENSITY POLYETHYLENE (HDPE) PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM D 252 AND M 204. PIPE AND FITTINGS SHALL BE MADE FROM VIRGIN HDPE COMPOUNDS WHICH CONFORM TO THE REQUIREMENTS OF CELL CLASS 3340-04 AS DEFINED AND DESCRIBED IN ASTM D 3350. RUBBER GASKET JOINTS SHALL BE USED.

6. FULLY GALVANIZED CORRUGATED STEEL PIPE - FULLY GALVANIZED CORRUGATED STEEL PIPE MAY BE USED FOR RESIDENTIAL DRIVEWAY CROSSINGS ONLY WHEN A DITCH SECTION IS PRESENT. THE MINIMUM CULVERT SIZE IS 12" DIAMETER.

7. BEDDING, OTHER THAN CONCRETE EMBEDMENT, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH TO 1 INCH IN SIZE. AS A MINIMUM, THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION C-A-7 OR C-A-11 OF THE STANDARD SPECIFICATIONS.

8. BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION C-A-8 OF THE STANDARD SPECIFICATIONS. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.

9. JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS; CASCADE CSS, ROMAN LSS, FERROVIC, INC. SHEAR RING, OR APPROVED EQUAL. WHEN AVAILABLE, A STANDARD JOINT WITH A TENSION GASKET MAY BE USED. THE NAME OF THE MANUFACTURER, CLASS, AND DATE OF ISSUE SHALL BE CLEARLY IDENTIFIED ON ALL SECTIONS OF PIPE. THE CONTRACTOR SHALL ALSO SUBMIT BILLS OF LADING, OR OTHER QUALITY ASSURANCE DOCUMENTATION WHEN REQUESTED BY THE CITY ENGINEER. ALL NUTS AND BOLTS FOR COUPLINGS SHALL BE STAINLESS STEEL.

10. MANHOLES FOR STORM SEWERS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL MANHOLES SHALL BE WATER-TIGHT. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.

11. MANHOLES SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER (EAST JORDAN IRON WORKS 1022 WITH TYPE A SOLID COVER, OR APPROVED EQUAL) WITH THE WORD "STORM" IMPRINTED ON THE COVER IN RAISED LETTERS. ALL FRAMES AND LIDS SHALL MEET OR EXCEED ASHSTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT. BOTH THE MANHOLE FRAME AND COVER SHALL HAVE MACHINED HORIZONTAL AND VERTICAL BEARING SURFACES. INVERTED MANHOLE FRAMES ARE NOT ALLOWED. PICK HOLES SHALL NOT CREATE OPENINGS IN THE MANHOLE COVER.

12. MANHOLE STEPS ON MAXIMUM 16 INCH CENTER SHALL BE FURNISHED WITH EACH MANHOLE, SECURELY ANCHORED IN PLACE. TRUE TO VERTICAL ALIGNMENT. IN ACCORDANCE WITH THE NAPERVILLE STANDARD DETAILS. STEPS SHALL BE COPOLYMER POLYPROPYLENE REINFORCED WITH 1/2 INCH A615/A576-15M-05A (OR LATEST EDITION) GRADE 60 STEEL REINFORCEMENT, MEETING OR EXCEEDING ASTM C 478-05 (OR LATEST EDITION) AND OSHA STANDARDS.

13. CATCH BASINS AND INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 24 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM C478-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL CATCH BASINS AND INLETS SHALL BE WATER-TIGHT AT ALL POINTS BELOW GRADE. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER. CATCH BASINS AND INLETS SHALL BE FURNISHED WITH A SELF-SEALING FRAME AND SOLID COVER BASED UPON THE INSTALLATION AS LISTED BELOW. ALL FRAMES AND GRATES SHALL MEET OR EXCEED ASHSTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT.

14. PAVEMENT: EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, NEENAH R-2502, OR APPROVED EQUAL. EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, NEENAH R-3278-A, OR APPROVED EQUAL.

15. BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, NEENAH R-3278-A, OR APPROVED EQUAL.

16. DERESSED CURB: EAST JORDAN IRON WORKS 5120 FRAME AND GRATE, NEENAH R-3225-L, OR APPROVED EQUAL.

17. MOUNTABLE CURB: EAST JORDAN IRON WORKS 7525 FRAME AND GRATE, NEENAH R-3501-P, OR APPROVED EQUAL.

18. NON-PAVED AREAS: EAST JORDAN IRON WORKS 6522 BEHVIE GRATE, NEENAH R-4340-B, OR APPROVED EQUAL. ALTERNATELY, IN AREAS WHERE THERE IS THE LIKELIHOOD OF PEDESTRIAN TRAFFIC, EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL, MAY BE USED.

19. THE STEEL CASING PIPE SHALL BE BITUMINOUS COATED, A MINIMUM OF 30 MILS THICKNESS INSIDE AND OUT, AND SHALL BE TO MEET LEAK PROTECTION REQUIREMENTS OF THE NAPERVILLE STANDARD DETAIL. SEE TABLE C-04-1 IN THE NAPERVILLE STANDARD SPECIFICATIONS FOR THE MINIMUM WALL THICKNESSES OF VARIOUS STEEL CASING DIAMETERS. THE STEEL CASING PIPE SHALL HAVE MINIMUM YIELD STRENGTH OF 35,000 PSI AND SHALL MEET THE REQUIREMENTS OF A139/A139M-04 (OR LATEST EDITION), GRADE B. RING DEFLECTION SHALL NOT EXCEED 1/25 THE SPACING BETWEEN RINGS. THE STEEL CASING PIPE SHALL BE DELIVERED TO THE JOBSITE WITH BEVELED ENDS TO FACILITATE FIELD WELDING.

20. ALL PIPE SHALL BE LAID TRUE TO LINE AND GRADE. DIRT AND OTHER FOREIGN MATERIAL SHALL BE PREVENTED FROM ENTERING THE PIPE OR PIPE JOINT DURING HANDING OR LAYING OPERATIONS. ALL STORM SEWER PIPE TO BE LAID IN TRENCH SHALL BE SEALED WITH POLYURETHANE MASTIC. ALL STORM SEWER PIPE TO BE LAID TO BE SEALED USING BUTYL MASTIC AND CONCRETE PLUGS. AT NO TIME SHALL CONNECTIONS BETWEEN THE STORM SEWER AND SANITARY SEWER BE ALLOWED.

21. FOR STRUCTURES LOCATED IN PAVED AREAS, A MINIMUM OF FOUR, 2-INCH DIAMETER HOLES SHALL BE DRILLED OR PRECAST INTO THE STRUCTURE WITHIN 1 FOOT OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1-FOOT BY 1-FOOT SECTION OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE SUFFICIENTLY FIXED TO THE OUTSIDE OF THE MANHOLE WITH LIFT HOLES TO PREVENT SLIPPAGE DURING BACKFILLING.

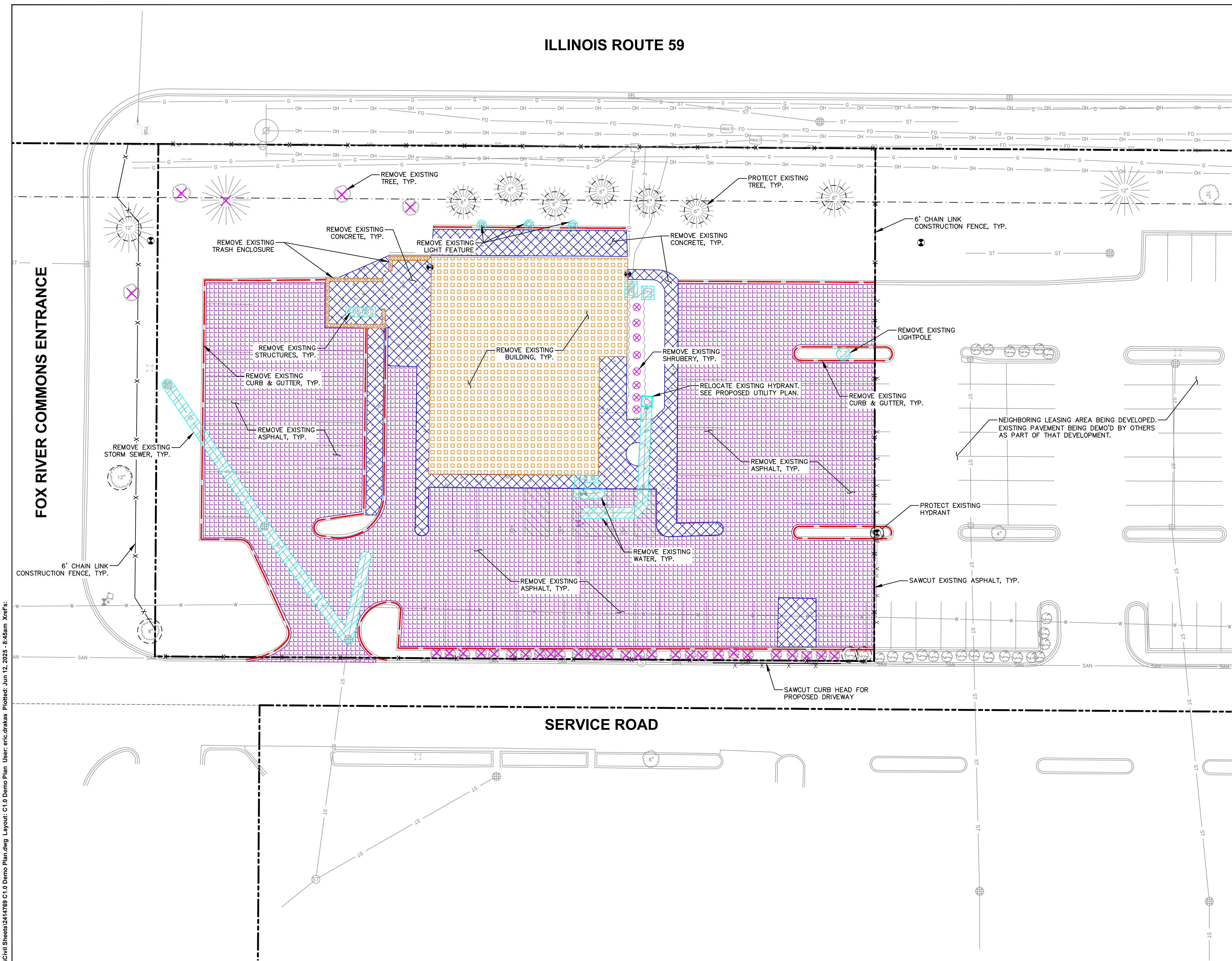
22. ALL STORM SEWER STRUCTURE FRAMES WITHOUT INSIDE FLANGES SHALL BE SHAPED WITH NON-SHRINKINGHYDRAULIC CEMENT TO FORM A FILLET TO THE STRUCTURE OR ADJUSTING RING. WHEN ADJUSTMENTS ARE NECESSARY, NO MORE THAN 12 INCHES OF VERTICAL ADJUSTMENT MAY BE MADE USING THE MINIMUM ALLOWED NUMBER OF ADJUSTING RINGS. THE ADJUSTING RINGS SHALL BE POLYETHYLENE PLASTIC (HDPE), RECYCLED RUBBER, HIGH DENSITY EXPANDING POLYSTYRENE, EXPANDED POLYPROPYLENE (EPP), OR OTHER MATERIAL AS APPROVED BY THE CITY ENGINEER. PRECAST CONCRETE RINGS, BRICKS, ROCKS, SHIMS, OR CONCRETE BLOCKS WILL NOT BE ALLOWED. TAPERED ADJUSTING RINGS SHALL BE REQUIRED WHEN THE FRAME WALL IS TO MEET THE MINIMUM ALLOWED THICKNESS. A RESULT OF ENSURE WATER TIGHTNESS. LIFT HOLES TO BE SEALED USING BUTYL MASTIC MATERIAL, CONSEAL 102 B OR APPROVED EQUAL, SHALL BE USED BETWEEN THE CONE OR TOP BARREL SECTION OF THE STRUCTURE AND THE ADJUSTING RINGS. A THICK BEAD OF NON-HARDENING ELASTOMERIC JOINT SEALANT CONFORMING TO ASTM C-820, TYPE 5, GRADE NS, SHALL BE APPLIED BETWEEN ALL INDIVIDUAL RINGS, AND BETWEEN THE ADJUSTING RINGS AND THE FRAME. THE JOINT SEALANT OR MASTIC MATERIAL SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE STRUCTURE.

23. THE CONTRACTOR SHALL REPAIR ANY EXISTING FIELD DRAINAGE TILE DAMAGED DURING CONSTRUCTION AND PROPERLY RECURTE AND/OR CONNECT SADDLE TILE TO THE NEAREST STORM SEWER OUTLET. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE CONTRACTOR'S RECORD DRAWINGS (S&B).

1. THE DEVELOPER SHALL SUPPLY THE DPU-E ENGINEER WITH CATALOG CUTS FOR ALL CT/METER EQUIPMENT (INCLUDING BUT NOT LIMITED TO METER SOCKETS, PT CABINET, CT CABINET, DISCONNECT CABINET) AND TRANSFORMER PAD/VAULT. THE CATALOG CUTS SHALL BE APPROVED BY DPU-E PRIOR TO PURCHASING.
2. THE CT/METER CABINET SHALL BE TOP FED.
3. CT/METER EQUIPMENT ARE LONG LEAD TIME ITEMS AND DPU-E SHALL NOT BE HELD RESPONSIBLE FOR DELAYS RESULTING FROM NON-COMPLIANT CT/METER EQUIPMENT.
4. REFER TO ARCHITECTURAL MEP PLANS FOR ELECTRICAL CONTRACTOR CONTACT INFORMATION.
5. DPU-E WILL PROVIDE, INSTALL, AND MAINTAIN THE TRANSFORMERS, ALL PRIMARY (15KV) CABLE AND CONDUIT, AND THE METERS AND INSTRUMENT TRANSFORMERS. DPU-E WILL ALSO MAKE THE FINAL CONNECTIONS IN THE TRANSFORMERS ONCE THE INSPECTION IS COMPLETE AND THE BUILDING IS READY TO BE ENERGIZED.
6. THE DEVELOPER IS RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAINTAINING THE TRANSFORMER PAD/VAULT, ALL SERVICE LATERAL (480V) CABLE AND CONDUIT, THE SERVICE ENTRANCE EQUIPMENT INCLUDING THE CT/METER CABINET AND ALL BANK METER SOCKETS.
7. THE DEVELOPER SHALL COORDINATE SITE CONSTRUCTION WITH DPU-E TO ALLOW ELECTRIC FACILITIES TO BE INSTALLED PRIOR PAVING AND CURBING. DPU-E REQUIRES 30 WORKING DAYS ADVANCE WRITTEN NOTICE PRIOR TO PAVEMENT INSTALLATION TO ALLOW FOR THE INSTALLATION OF ELECTRIC FACILITIES. GRADE ELEVATION MUST BE WITHIN 4" OF FINAL GRADING BEFORE ELECTRIC FACILITIES CAN BE INSTALLED.
8. ELECTRIC FACILITIES SHALL BE INSTALLED PURSUANT TO SECTION 8-1C-3 OF THE CITY OF NAPERVILLE MUNICIPAL CODE, WHICH REQUIRES A CONSTRUCTION FEE PAYMENT FOR INSTALLATION OF ELECTRIC FACILITIES.
9. AT ALL TIMES, THE CUSTOMER SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING A SUITABLE APPROACH TO THE METER LOCATION, WITH NO OBSTRUCTIONS WITHIN FOUR (4') FEET OF THE FRONT AND TWO (2') FEET OF THE SIDES OF THE METER. PER NAPERVILLE SERVICE RULES AND POLICIES 22.2.4.F.
10. CLEARANCE TO TRANSFORMER PAD SHALL BE 5' FROM ALL SIDES, 10' FROM FRONT, AND THE AREA ABOVE MUST BE COMPLETELY CLEAR OF OBSTRUCTION, NO TREES, SHRUBS, OR OTHER OBSTACLES WILL BE ALLOWED WITHIN THIS AREA. TRANSFORMER PAD SHALL MAINTAIN MINIMUM CLEARANCE OF 20' FROM EGRESS POINTS, PER DPU-E SPECIFICATIONS C10-2130 AND C30-0016.
11. DPU-E REQUIRES A MINIMUM 5' OF SEPARATION BETWEEN ITS ELECTRIC FACILITIES AND ANY FIRE HYDRANTS STORM DRAINS, STORM SEWERS, WATER MAINS, GAS MAINS, ETC. THAT RUN PARALLEL TO ITS FACILITIES.
12. TO HAVE AN EXISTING SERVICE DISCONNECTED CALL THE CITY DISPATCH OFFICE AT 630-420-6187. PLEASE ALLOW AT LEAST 24 HOURS NOTICE. METERS AND METER SEALS ARE TO BE REMOVED ONLY BY DPU-E PERSONNEL. THE LOCATION AND TYPE OF NEW OR REPLACEMENT METER RELATED EQUIPMENT MUST BE PRE-APPROVED IN WRITING BY DPU-E. AN ELECTRIC SERVICE MUST BE INSPECTED BY THE DEVELOPMENT SERVICES TEAM ELECTRICAL INSPECTOR PRIOR TO CONNECTION.
13. LABEL ALL METER SOCKETS WITH THE COMPLETE ADDRESS IN 1" LETTERS USING PERMANENT STICKERS. THE ELECTRICAL SERVICE EQUIPMENT WILL NOT PASS INSPECTION WITHOUT APPROPRIATE ADDRESS LABELING.
14. APPROVAL OF METERING EQUIPMENT BY DPU-E DOES NOT REMOVE YOUR RESPONSIBILITY TO COMPLY WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE CITY OF NAPERVILLE. DETERMINATION OF COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE WILL BE MADE BY THE TRANSPORTATION, ENGINEERING AND DEVELOPMENT DEPARTMENT.
15. A CUSTOMER'S GROUNDING CONDUCTOR SHALL NOT BE CONNECTED TO DPU-E DISTRIBUTION EQUIPMENT.



ILLINOIS ROUTE 59



LEGEND

- PROPERTY LINE
RIGHT-OF-WAY
EASEMENT LINE
DEMOLITION - REMOVAL OF ONSITE CURB
DEMOLITION - PAVEMENT MILL AND OVERLAY
DEMOLITION - REMOVAL OF RETAINING WALL
DEMOLITION - REMOVAL OF ASPHALT SURFACES
DEMOLITION - REMOVAL OF CONCRETE SURFACES
DEMOLITION - REMOVAL OF BUILDINGS/STRUCTURES
DEMOLITION - REMOVAL OF UTILITIES
DEMOLITION - REMOVAL OF LANDSCAPE BEDDING
TREE REMOVAL
SHRUB REMOVAL
PROTECT EXISTING TREE
SAWCUT EXISTING PAVEMENT
6" CHAIN LINK CONSTRUCTION FENCING

GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
3. CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
4. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.



CREATE THE VISION TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOUHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:

795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:

844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
3	06.16.2025	PZC REVIEW & APPROVAL
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:

DEMO PLAN

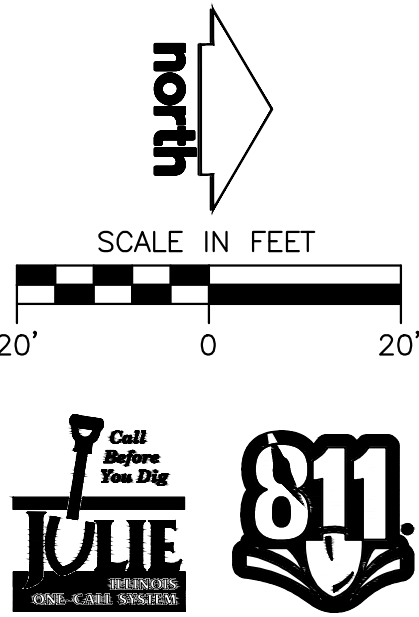
SHEET NUMBER:

C1.0

JSD PROJECT NO:

2414769

File: \JSD\Chicago projects\2024\2414769-ED\DWG\Civil Sheets\2414769 C1.0 Demo Plan.dwg Layout: C1.0 Demo Plan User: eric.drakas Plotted: Jun 12, 2025 - 8:45am Xrefs:



THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

ILLINOIS ROUTE 59

FOX RIVER COMMONS ENTRANCE

SERVICE ROAD

LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	REJECT CURB AND GUTTER
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	BOLLARD WITH ADA PARKING SIGN
	SIGN
	FENCE
	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)

GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.

SITE INFORMATION BLOCK

SITE ADDRESS	844 S. ROUTE 59 NAPERVILLE, IL 60540
PROPERTY ACREAGE (LEASING AREA)	1.18 ACRES
NUMBER OF BUILDING STORIES	1
TOTAL BUILDING SQUARE FOOTAGE	2,668 SF
NUMBER OF PARKING STALLS	
SURFACE	
LARGE	50
ACCESSIBLE	2
TOTAL SURFACE	52
NUMBER OF BICYCLE STALLS:	4
EXISTING VS. PROPOSED SITE COVERAGE	
EXISTING IMPERVIOUS SURFACE AREA	34,589 SF
EXISTING PERVIOUS SURFACE AREA	16,833 SF
EXISTING IMPERVIOUS SURFACE AREA RATIO	0.67
PROPOSED IMPERVIOUS SURFACE AREA	36,330 SF
PROPOSED PERVIOUS SURFACE AREA	15,092 SF
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.71
NEW NET IMPERVIOUS SURFACE AREA	1,741 SF



CREATE THE VISION TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOWHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:

795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

REVIEW DRAWING

NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:

844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.16.2025	PUD RE-SUBMISSION
3	06.16.2025	PZC REVIEW & APPROVAL
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:

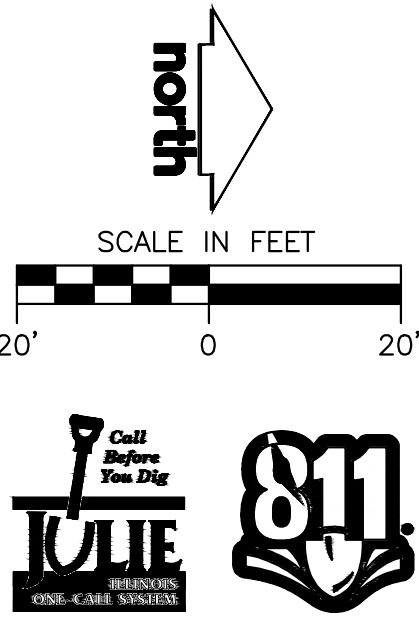
SITE PLAN

SHEET NUMBER:

C2.0

JSD PROJECT NO:

2414769



ILLINOIS ROUTE 59

FOX RIVER COMMONS ENTRANCE

SERVICE ROAD

BENCHMARKS		
BENCH MARK	ELEVATION	DESCRIPTION
BM-1	706.41	TOP NUT ON HYDRANT, NORTHWEST CORNER OF ENTRANCE AND FRONTAGE ROAD
BM-2	703.98	No. 6 REBAR WITH PLASTIC JSD CAP, SOUTHWEST CORNER OF SITE
BM-3	702.22	No. 6 REBAR WITH PLASTIC JSD CAP, NORTHWEST CORNER OF SITE
BM-4	704.01	TOP NUT ON HYDRANT IN PARKING LOT

*JSD PROFESSIONAL SERVICES, INC., DOES NOT GUARANTEE THAT THE BENCHMARK ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.

INSET A
1"=10'INSET B
1"=10'

LEGEND

---	PROPERTY LINE
- - - -	RIGHT-OF-WAY
- - - -	EASEMENT LINE
---	BUILDING OUTLINE
---	BUILDING OVERHANG
---	EDGE OF PAVEMENT
---	STANDARD CURB AND GUTTER
---	REJECT CURB AND GUTTER
---	ASPHALT PAVEMENT
---	CONCRETE PAVEMENT
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED 5 FOOT CONTOUR
---	EXISTING 1 FOOT CONTOUR
---	EXISTING 5 FOOT CONTOUR
---	DRAINAGE DIRECTION
---	GRADE BREAK
---	SPOT ELEVATION
---	EP - EDGE OF PAVEMENT
---	FG - FINISH GRADE
---	EC - EDGE OF CONCRETE
---	BC - BACK OF CURB
---	EX - MATCH EXISTING GRADE
---	SW - SIDEWALK

GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.



CREATE THE VISION TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOLUHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:

795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

REVIEW DRAWING

NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:

844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
3	06.16.2025	PZC REVIEW & APPROVAL
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By:

GW/ED

Reviewed By:

LV/PP

Approved By:

MK

SHEET TITLE:

DETAILED GRADING
PLAN

SHEET NUMBER:

C3.1

JSD PROJECT NO:

2414769

ILLINOIS ROUTE 59

LEGEND

- PROPERTY LINE
RIGHT-OF-WAY
EASEMENT LINE
BUILDING OUTLINE
BUILDING OVERHANG
EDGE OF PAVEMENT
STANDARD CURB AND GUTTER
REJECT CURB AND GUTTER
ASPHALT PAVEMENT
CONCRETE PAVEMENT
SANITARY SEWER
WATERMAIN
STORM SEWER
8'x4'x2" INSULATION (PLAN VIEW)

GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- CONTRACTOR TO CONFIRM EXISTING WATER BEING TIED INTO IS 6" DIAMETER. NOTIFY ENGINEER OF RECORD WITH ANY DISCREPANCIES.
- CONTRACTOR TO MAINTAIN MINIMUM OF 6.0' OF COVER OVER PROPOSED WATER LINE. CONTRACTOR TO MATCH EXISTING WATER MATERIAL.
- CONTRACTOR TO INSTALL 6" ROOF LATERALS TO CONNECT TO STORM MAIN LINE AS SHOWN. MAINTAIN MINIMUM COVER OF 2' AND MINIMUM SLOPE OF 1.00%. UTILIZE RISERS AS NECESSARY.



CREATE THE VISION TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOWHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:

795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:

844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
3	06.16.2025	PZC REVIEW & APPROVAL
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:

C4.0

JSD PROJECT NO: 2414769

ILLINOIS ROUTE 59

LEGEND

- PROPERTY LINE
RIGHT-OF-WAY
EASEMENT LINE
BUILDING OUTLINE
BUILDING OVERHANG
EDGE OF PAVEMENT
STANDARD CURB AND GUTTER
REJECT CURB AND GUTTER
ASPHALT PAVEMENT
CONCRETE PAVEMENT
SANITARY SEWER
WATERMAIN
STORM SEWER
8'x4'x2" INSULATION (PLAN VIEW)

GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- CONTRACTOR TO CONFIRM EXISTING WATER BEING TIED INTO IS 6" DIAMETER. NOTIFY ENGINEER OF RECORD WITH ANY DISCREPANCIES.
- CONTRACTOR TO MAINTAIN MINIMUM OF 6.0' OF COVER OVER PROPOSED WATER LINE. CONTRACTOR TO MATCH EXISTING WATER MATERIAL.
- CONTRACTOR TO INSTALL 6" ROOF LATERALS TO CONNECT TO STORM MAIN LINE AS SHOWN. MAINTAIN MINIMUM COVER OF 2' AND MINIMUM SLOPE OF 1.00%. UTILIZE RISERS AS NECESSARY.



CREATE THE VISION TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOWHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:

795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:

844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
3	06.16.2025	PZC REVIEW & APPROVAL
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:

C4.0

JSD PROJECT NO: 2414769

SERVICE ROAD

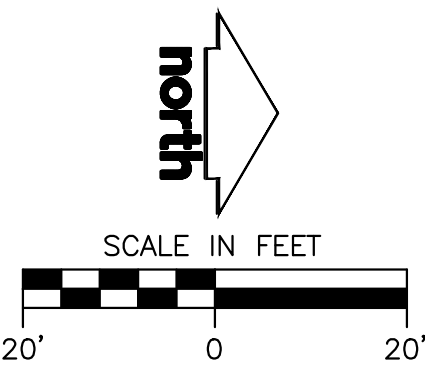
PROPOSED STORM SEWER STRUCTURE TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
STM INL 1	702.31	S INV: 695.00 (12") NW INV: 695.00 (12") E INV: 694.90 (12")	7.5	2 x 3 INLET	R-3278 TYPE A
STM INL 2	702.37	W INV: 696.55 (12") N INV: 696.45 (12")	5.9	2 x 3 INLET	R-3278 TYPE A
STM INL 3	702.01	E INV: 698.50 (12")	3.6	2 x 3 INLET	R-3278 TYPE A
STM INL 4	702.27	W INV: 696.90 (12") SE INV: 696.80 (12")	5.6	36 IN MH (FLAT)	R-2502 TYPE A
STM INL 5	701.99	E INV: 698.50 (12")	3.6	2 x 3 INLET	R-3278 TYPE A
STM INL 6	700.39	NE INV: 696.75 (12")	3.7	2 x 3 INLET	R-3278 TYPE A

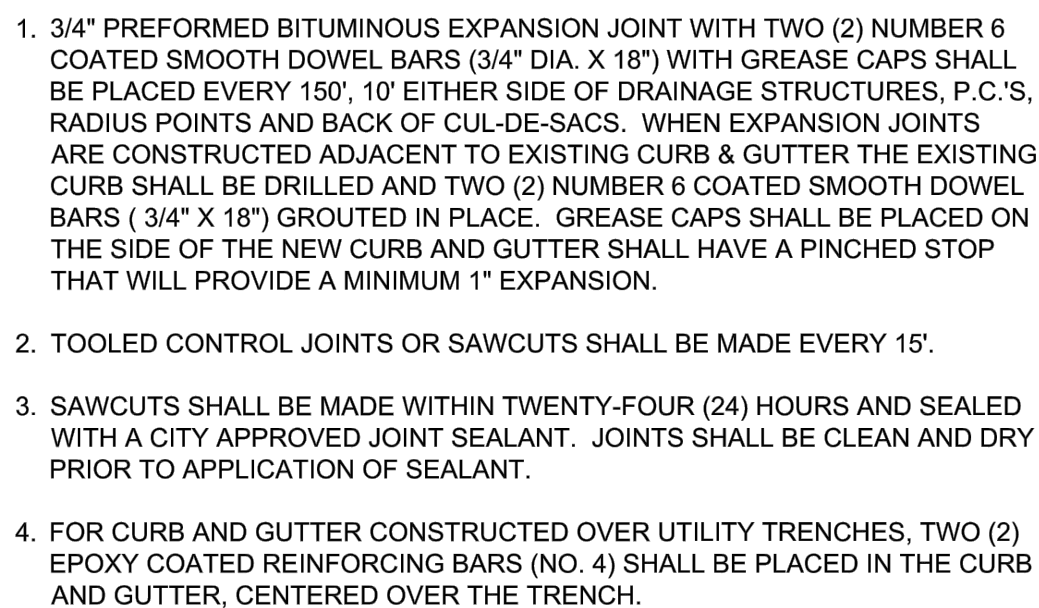
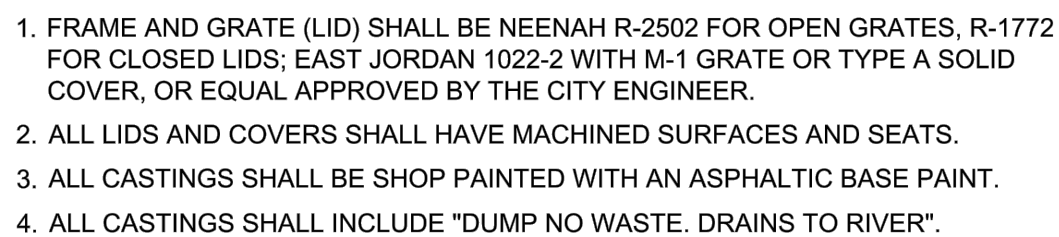
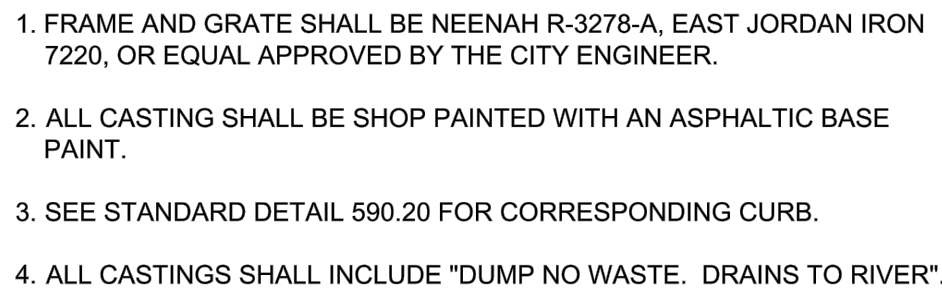
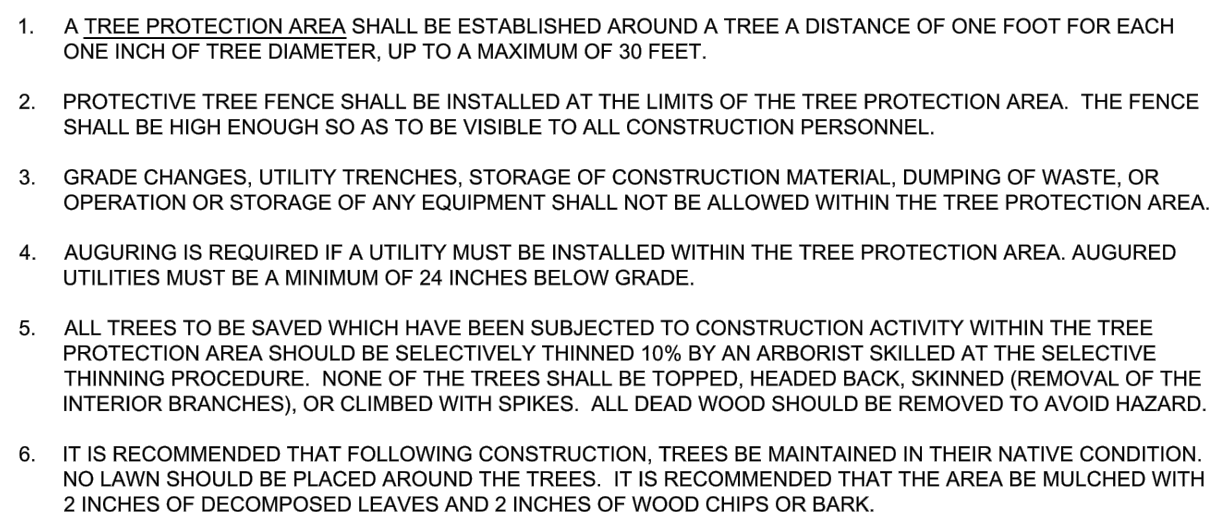
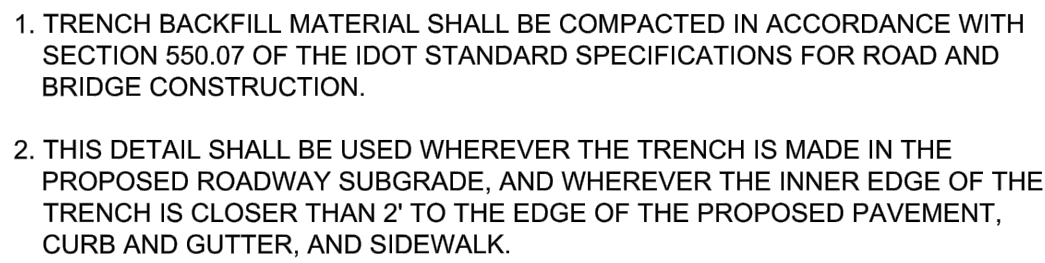
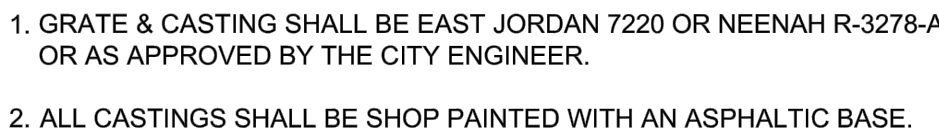
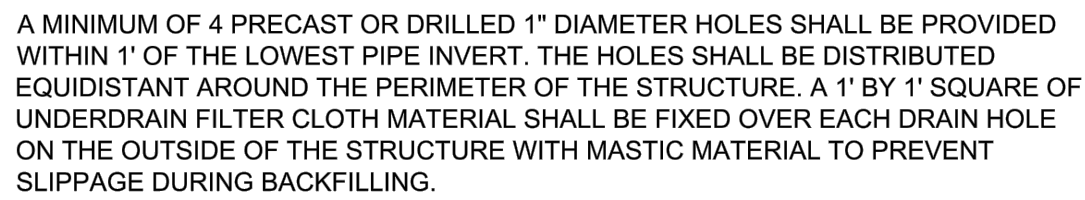
PROPOSED SANITARY SEWER STRUCTURE TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
SAN MH 1	702.59	S INV: 697.61 (8") E INV: 697.51 (8")	5.1	48 IN MH	R-1772 SOLID LID
SAN MH 2	702.95	S INV: 698.25 (6") N INV: 698.08 (8")	4.9	48 IN MH	R-1772 SOLID LID

PROPOSED STORM SEWER PIPE TABLE							
LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
STM P-1	STM INL 2	STM INL 1	60'	696.45	695.00	2.40%	12 IN HDPE
STM P-2	STM INL 3	STM INL 2	122'	698.50	696.55	1.60%	12 IN HDPE
STM P-3	STM INL 4	STM INL 1	85'	696.80	695.00	2.11%	12 IN HDPE
STM P-4	STM INL 5	STM INL 4	79'	698.50	696.90	2.04%	12 IN HDPE
STM P-5	STM INL 6	STM INL (BY OTHERS)	50'	696.75	695.30	2.92%	12 IN HDPE

PROPOSED SANITARY SEWER PIPE TABLE							
LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
SAN P-1	SAN MH 1	EX SAN MH	139'	697.51	696.95	0.40%	8 IN PVC
SAN P-2	SAN MH 2	SAN MH 1	118'	698.08	697.61	0.40%	8 IN PVC
SAN P-3	GREASE INTERCEPTOR	SAN MH 2	3'	698.28	698.25	0.98%	6 IN PVC
SAN P-4	BUILDING	SAN P-2	17'	698.30	698.13	0.99%	6 IN PVC
SAN P-5	BUILDING	GREASE INTERCEPTOR	15'	698.90	698.75	1.00%	6 IN PVC

NOTE: SANITARY SEWER DESIGN IS NOT FINAL. FINAL DESIGN TO BE COMPLETED ONCE GREASE INTERCEPTOR DESIGN IS COMPLETE.



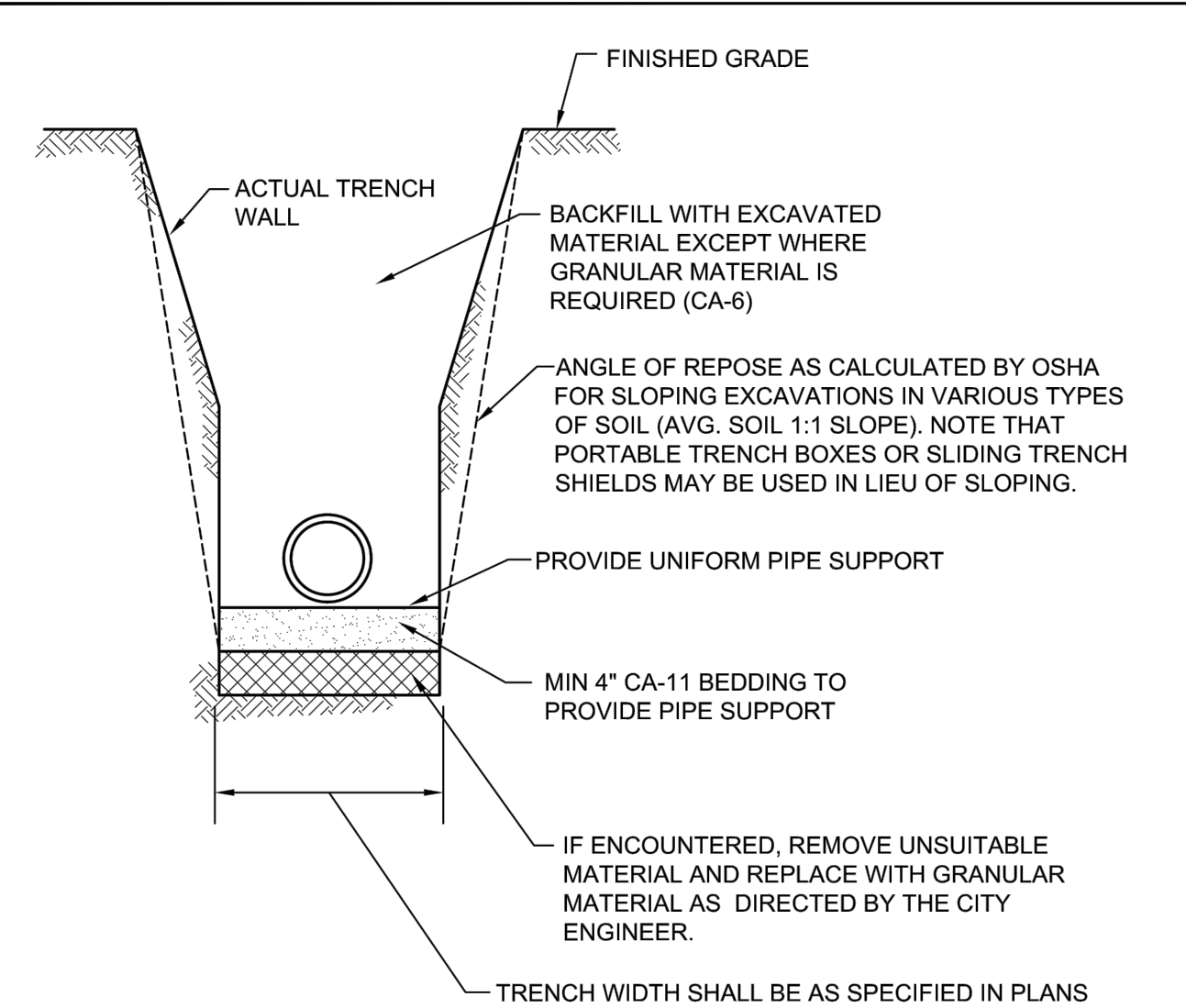




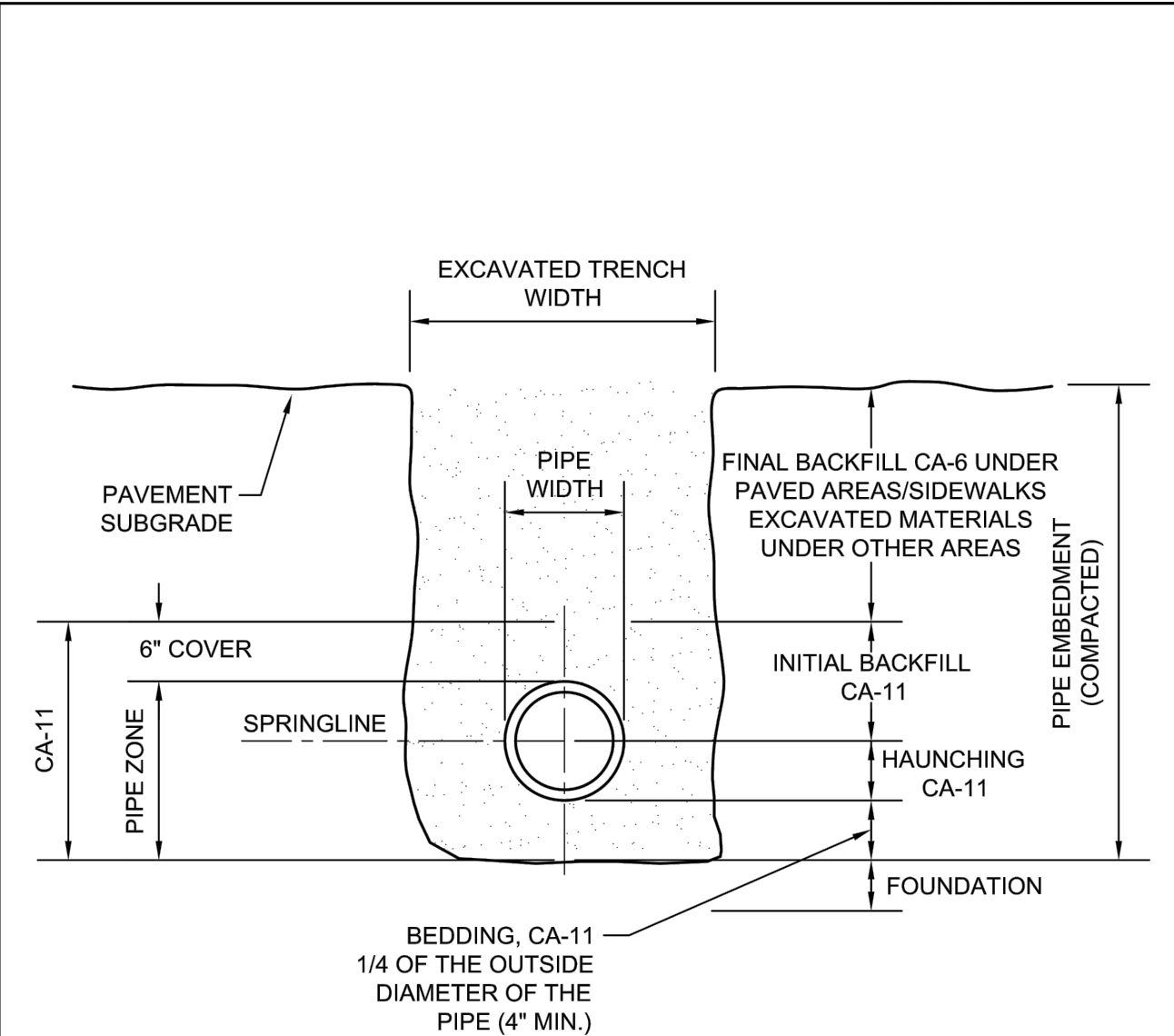
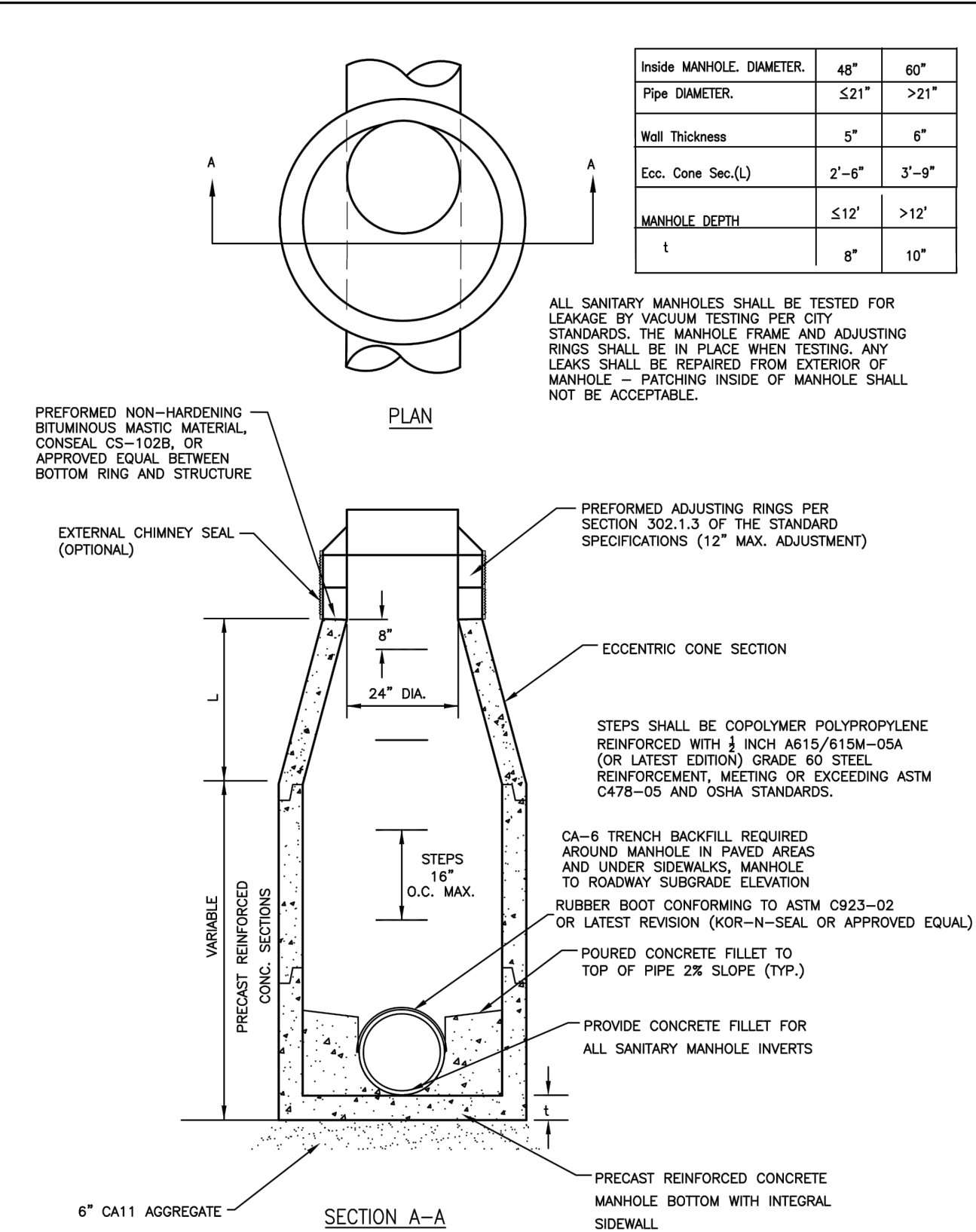



THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

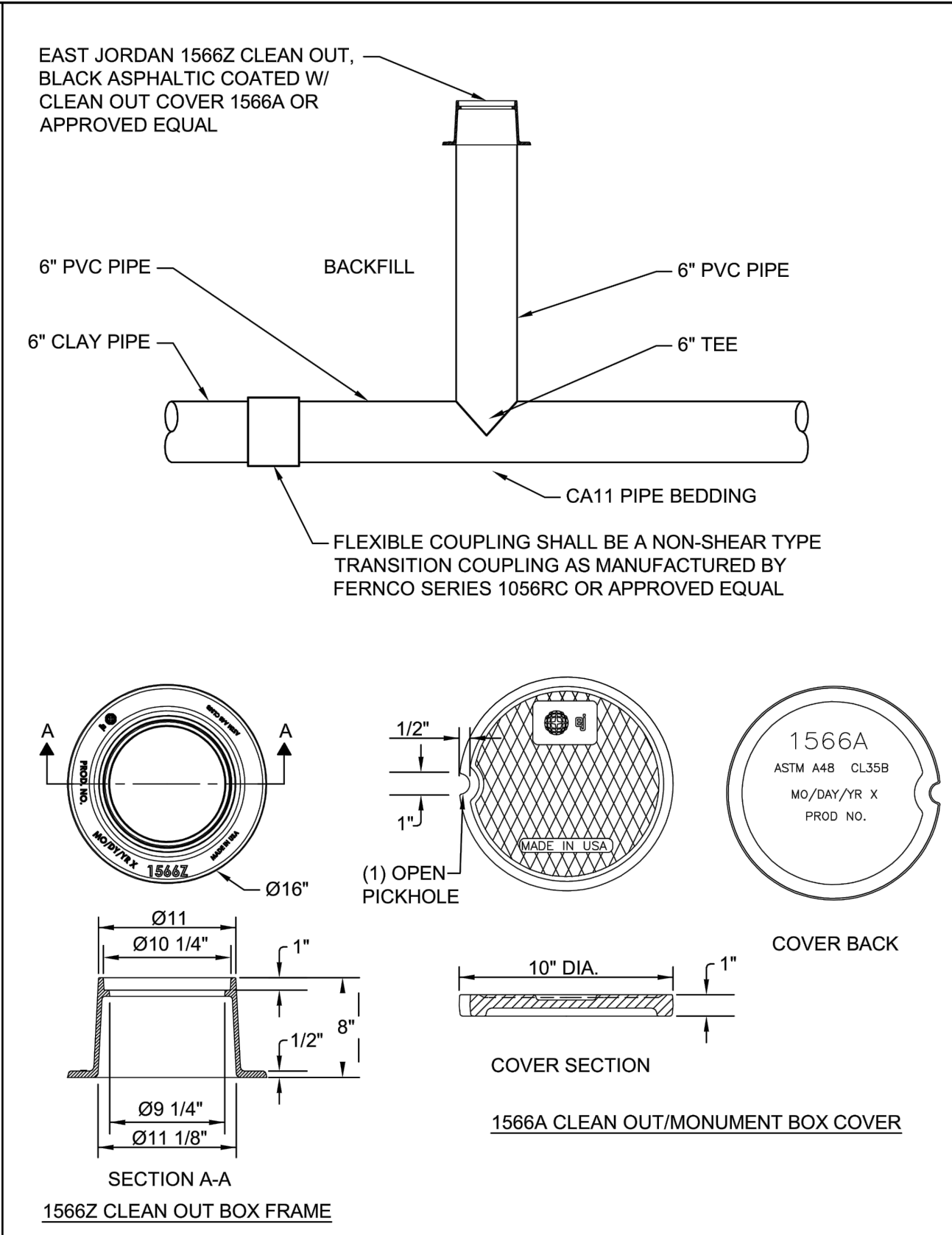
File: \\USDINC\chicago projects\2024\214769-EDWG\Civil Sheets\214769 C5.0 Details.dwg Layout: C5.1 Details User: eric.drakas Plotted: Jun 12, 2025 - 8:54am Xref's:




- NOTES:
1. IN PAVED AREAS ALL TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. METHOD 1. 95% MINIMUM STANDARD PROCTOR.
 2. DUCTILE IRON WATER MAIN TO BE CLASS 52. ALL DUCTILE IRON PIPE IS TO BE ENCASED IN POLYETHYLENE FILM. POLYETHYLENE ENCASEMENT TO BE INSTALLED IN ACCORDANCE WITH AWWAC105A21.5-99.(OR LATEST EDITION)
 3. STAINLESS STEEL NUTS, BOLTS/T-BOLTS, AND WASHERS, TYPE 304 OR BETTER, WILL BE REQUIRED ON ALL WATER MAIN INSTALLATIONS. THIS WOULD APPLY TO HYDRANTS, TAPPING SLEEVES, VALVES, FITTINGS, RESTRAINT, AND OTHER APPURTENANCES BURIED OR IN VALVE VAULTS. MECHANICAL JOINTS AND RESTRAINT GLANDS REQUIRE 304 STAINLESS STEEL T-BOLTS. AN ANTI-SEIZE COMPOUND SHALL BE FACTORY APPLIED TO NUTS OR BOLTS - ANY DAMAGE TO THIS COATING SHALL BE REPAIRED WITH FIELD-APPLIED, APPROVED ANTI-SEIZE COMPOUND THAT IS A MOLYBDENUM-BASE LUBRICANT, BOSTIK NEVER-SEEZ OR APPROVED EQUAL.



- NOTES:
1. IN PAVED AREAS, ALL TRENCHES MUST BE COMPACTED IN CONFORMANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
 2. IF FOUNDATION IS UNSUITABLE TO BED PIPE, UNDERCUTS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

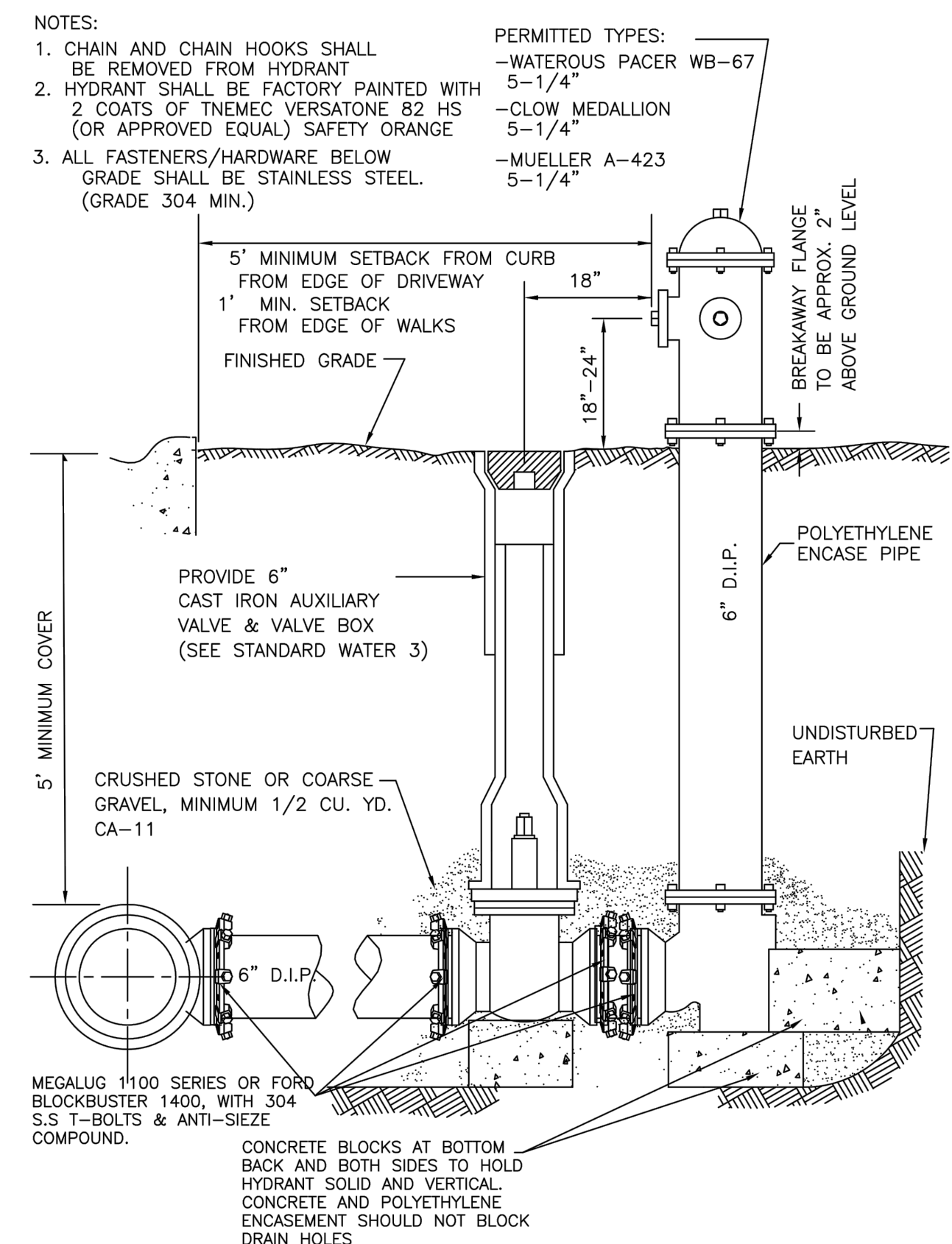





City of Naperville
STANDARD
DETAIL

WATER MAIN TRENCH SECTION
REVISED: 01/01/2013
SHEET 1 OF 1

490.10





City of Naperville
STANDARD
DETAIL

HYDRANT
REVISED: 05/15/2015
SHEET 1 OF 1

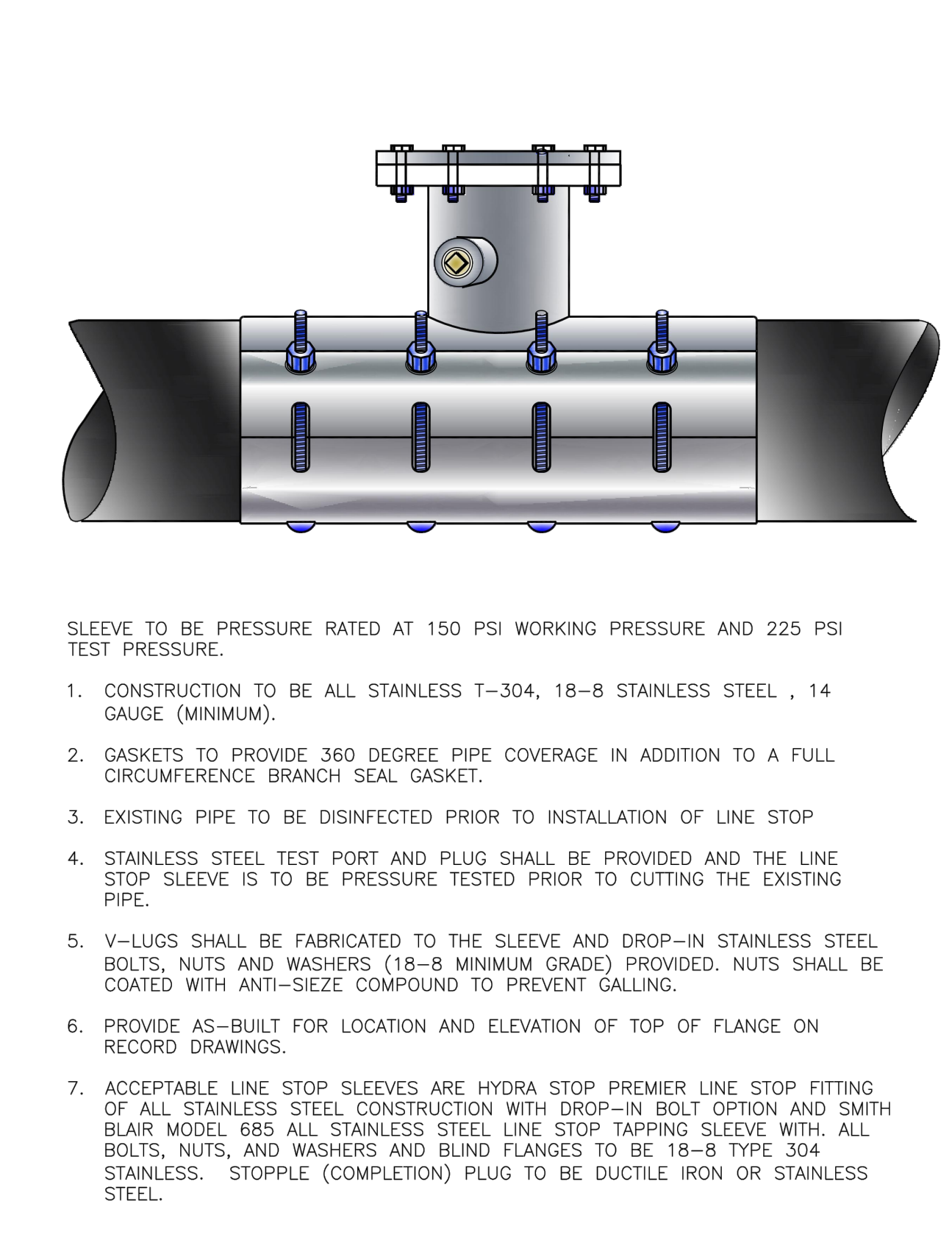
490.06




City of Naperville
STANDARD
DETAIL

SANITARY SEWER MANHOLE
REVISED: 08/01/2018
SHEET 1 OF 1

390.01





City of Naperville
STANDARD
DETAIL

LINE STOP TAPPING SLEEVE
REVISED: 01/01/2013
SHEET 1 OF 1

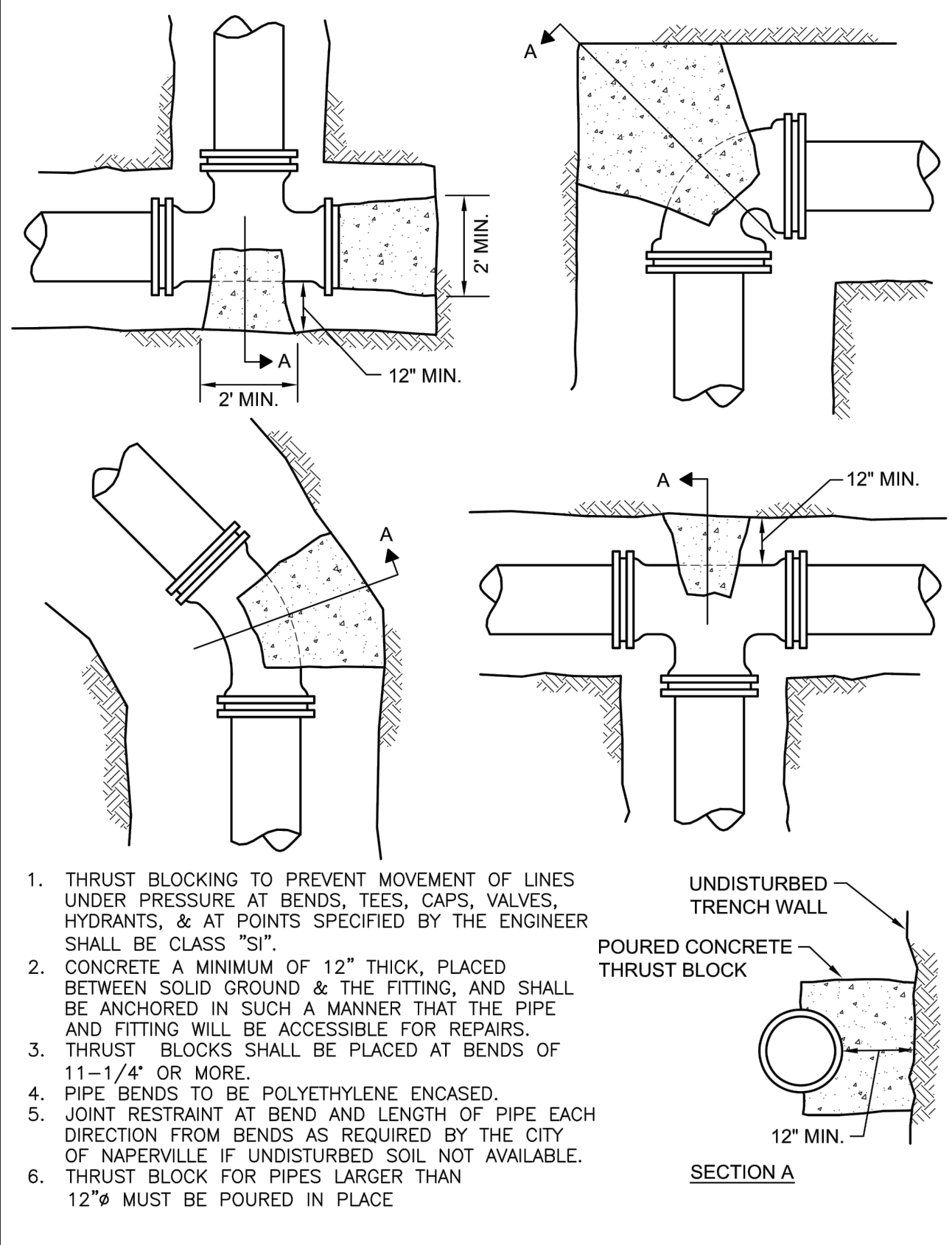
490.17




City of Naperville
STANDARD
DETAIL

TRENCH SECTION FOR PVC PIPE
REVISED: 01/01/2013
SHEET 1 OF 1

390.10






City of Naperville
STANDARD
DETAIL

THRUST BLOCK
REVISED: 05/15/2015
SHEET 1 OF 1

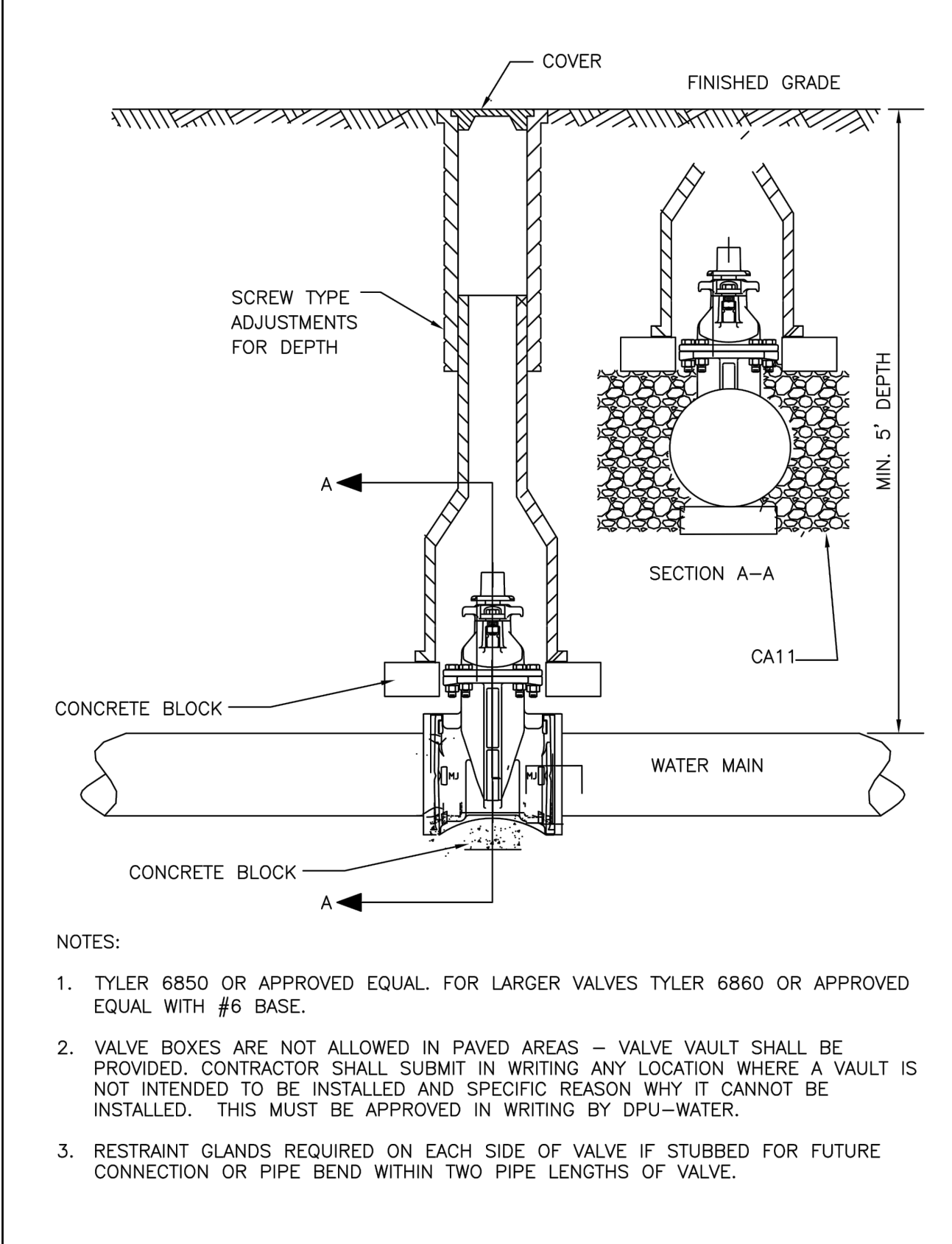
490.11




City of Naperville
STANDARD
DETAIL

SANITARY SEWER CLEANOUT
REVISED: 10/04/2023
SHEET 1 OF 1

390.23







City of Naperville
STANDARD
DETAIL

VALVE BOX
REVISED: 01/01/2013
SHEET 1 OF 1

490.05



CREATE THE VISION  TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOWHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:
GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:
795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:
GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:
844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY

PLAN MODIFICATIONS:
Date: Description:
1 03.20.2025 PUD SUBMITTAL
2 05.15.2025 PUD RESUBMISSION
3 06.16.2025 PZC REVIEW & APPROVAL
4
5
6
7
8
9
10
11
12
13
14
15

Designed By: GWED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
DETAILS

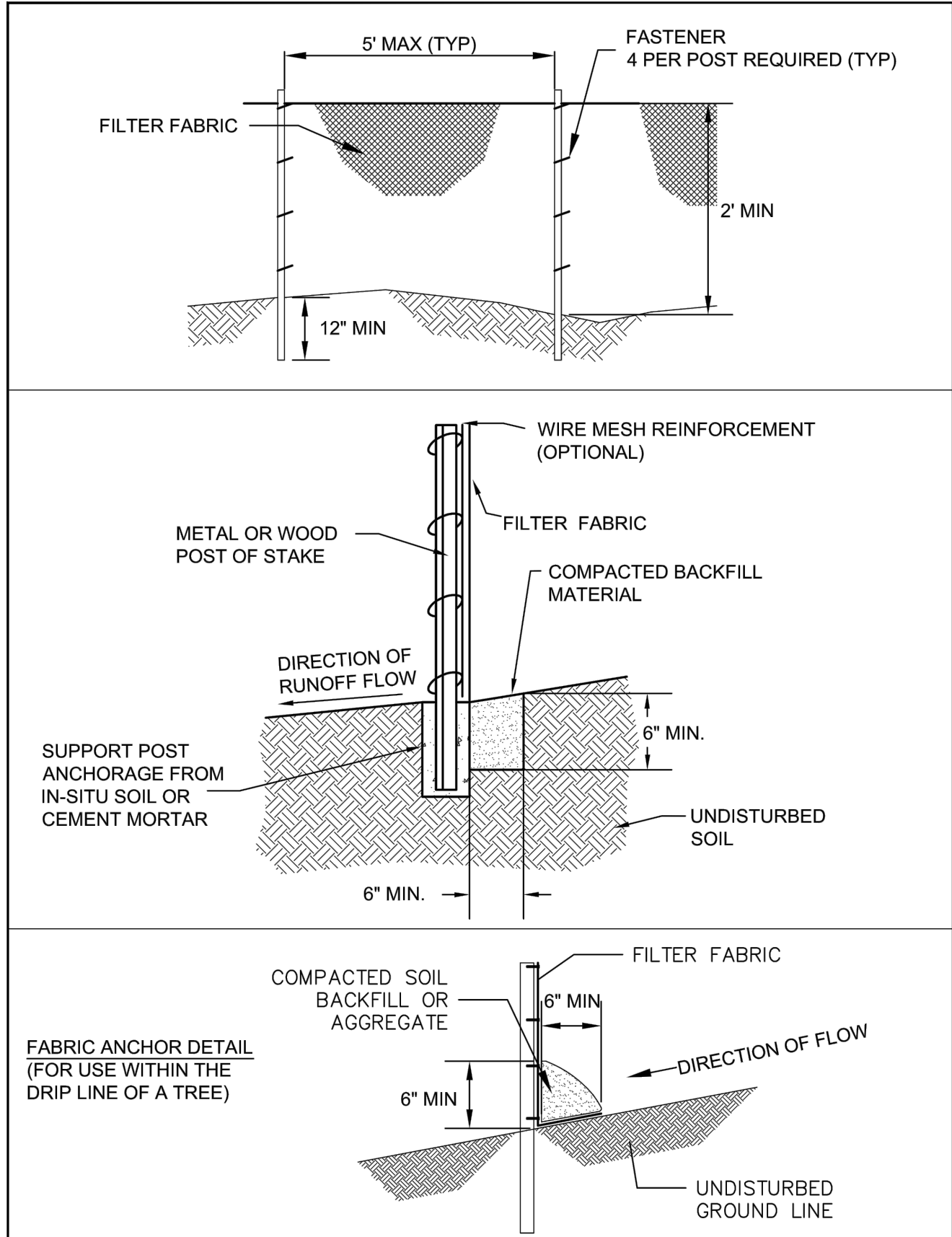
SHEET NUMBER:
C5.1


JSD PROJECT NO: 2414769

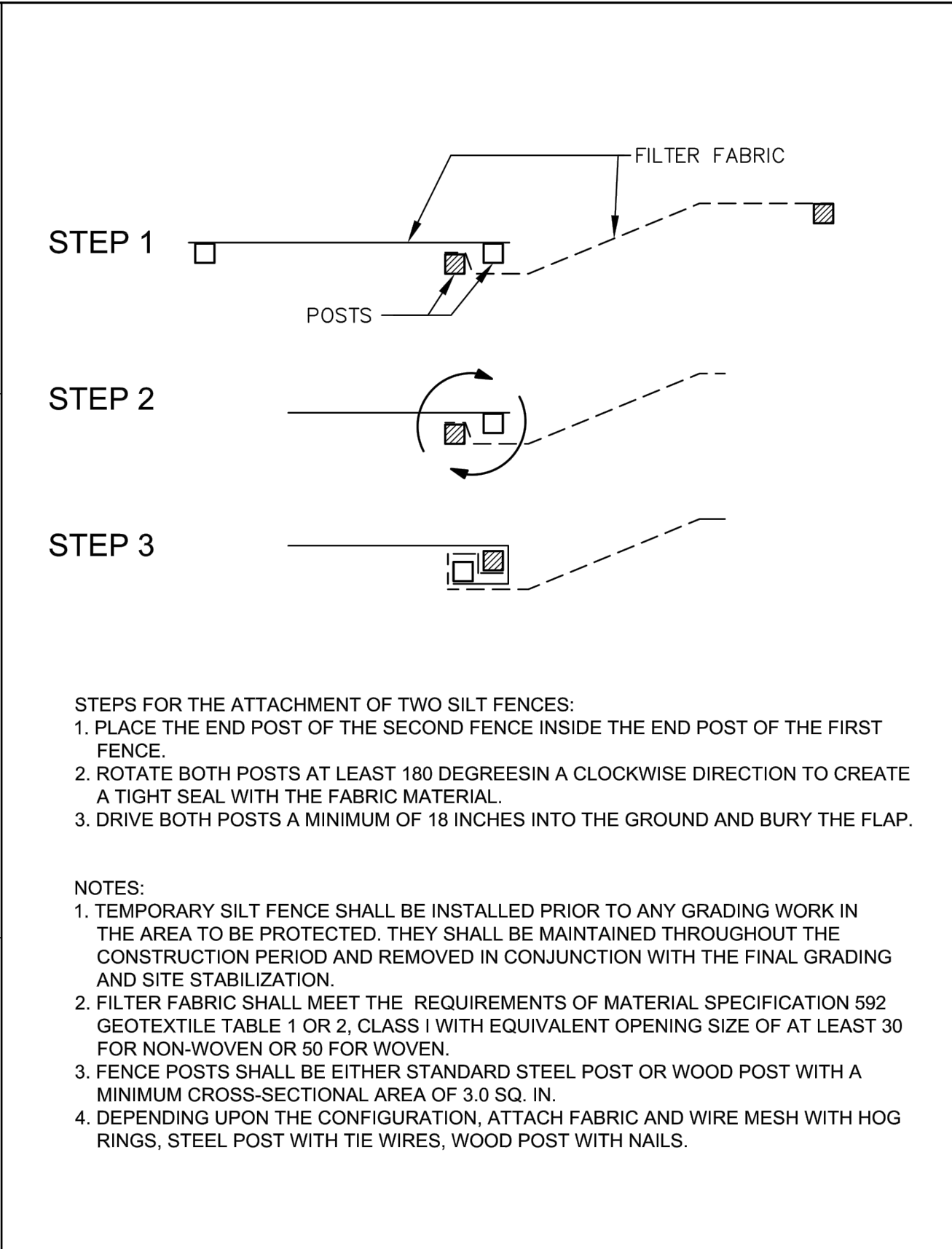



THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

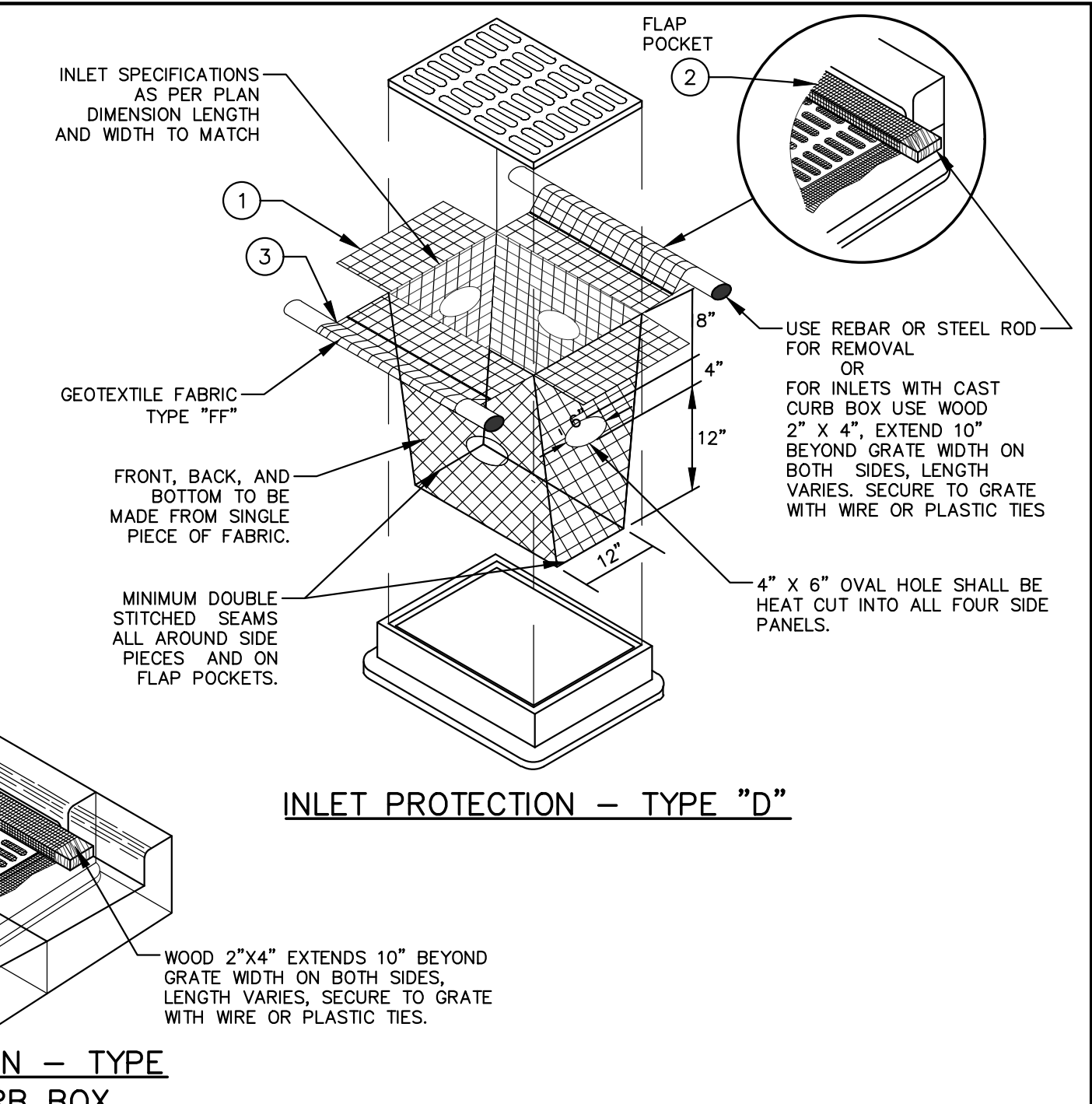
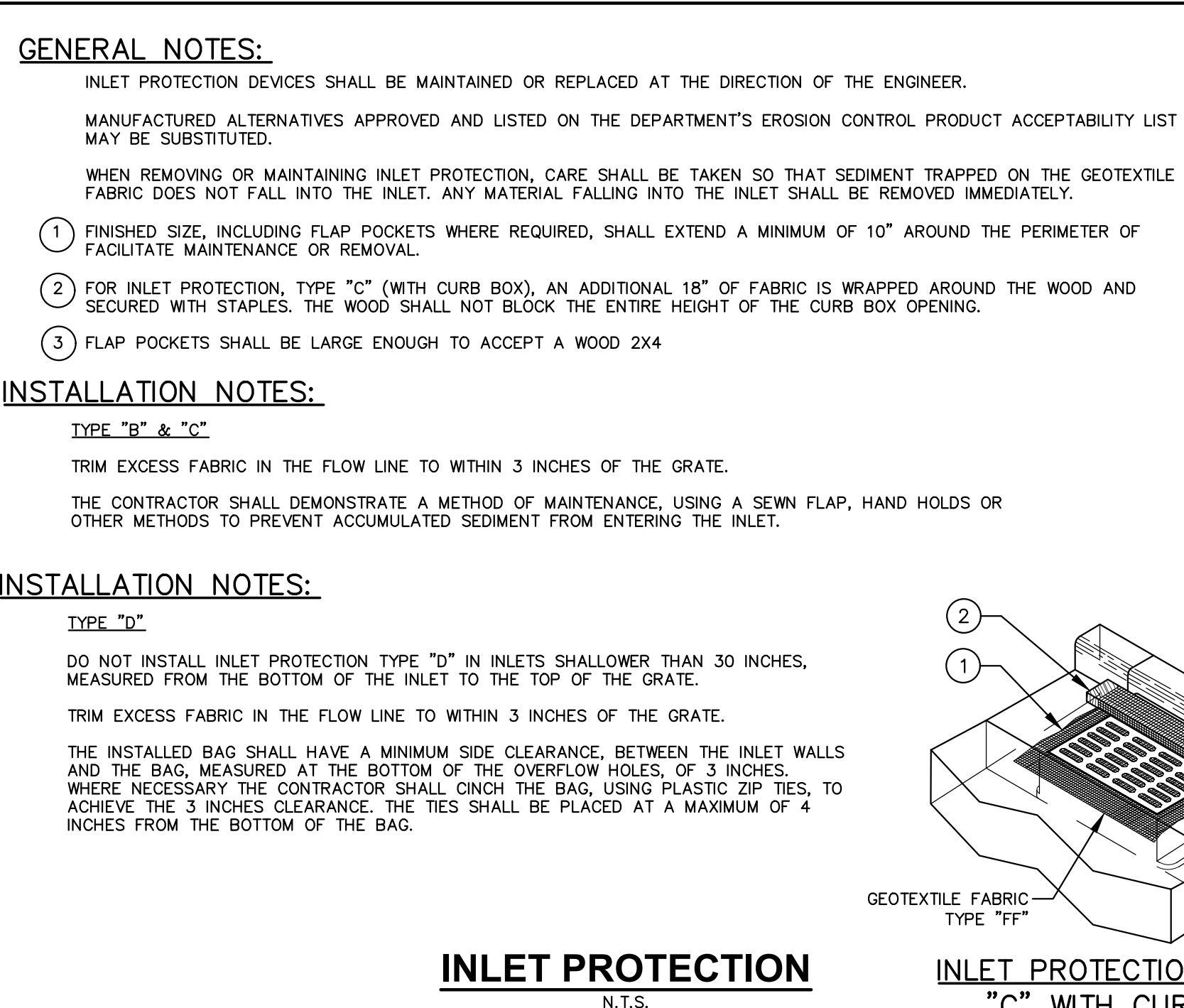
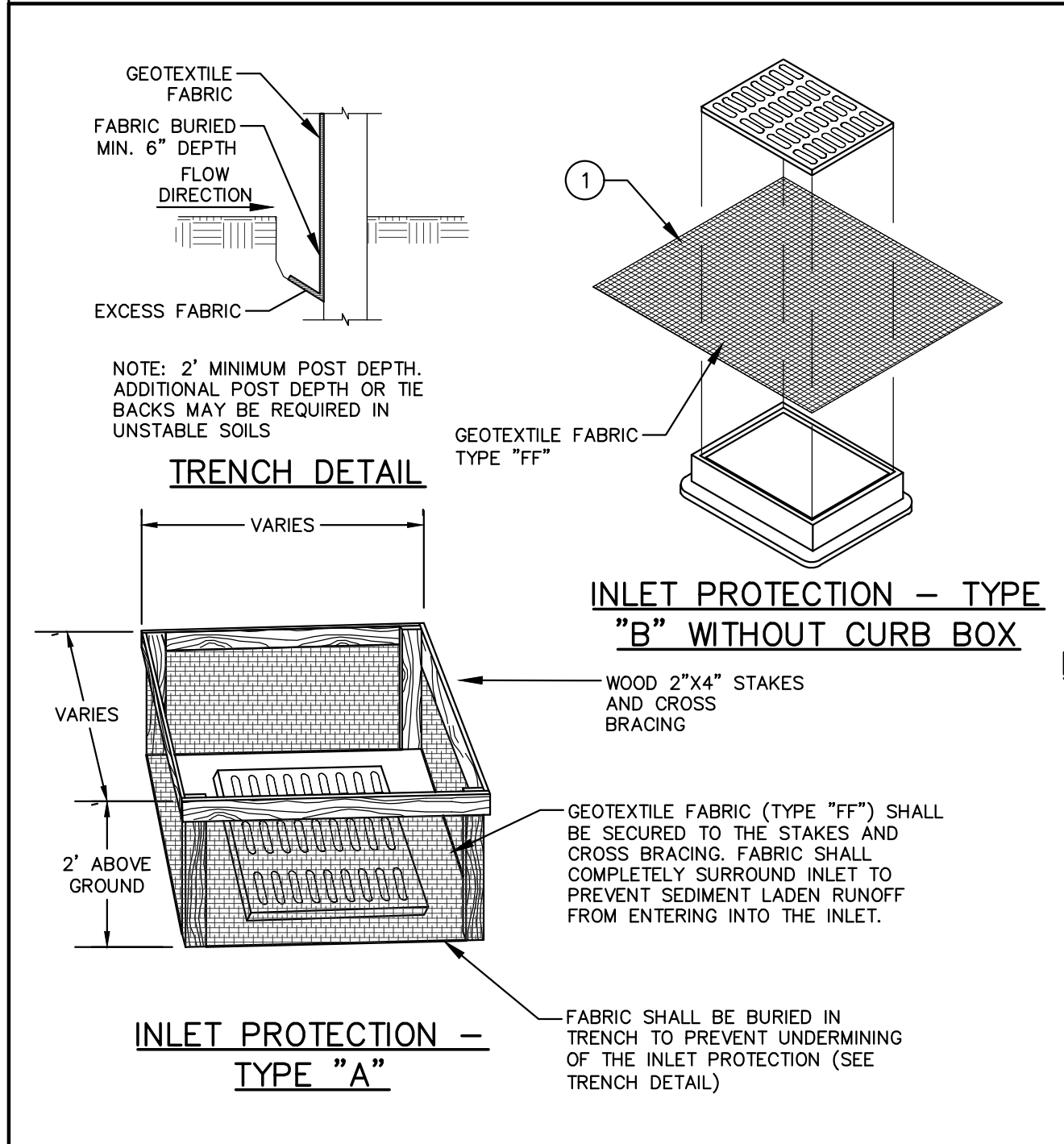
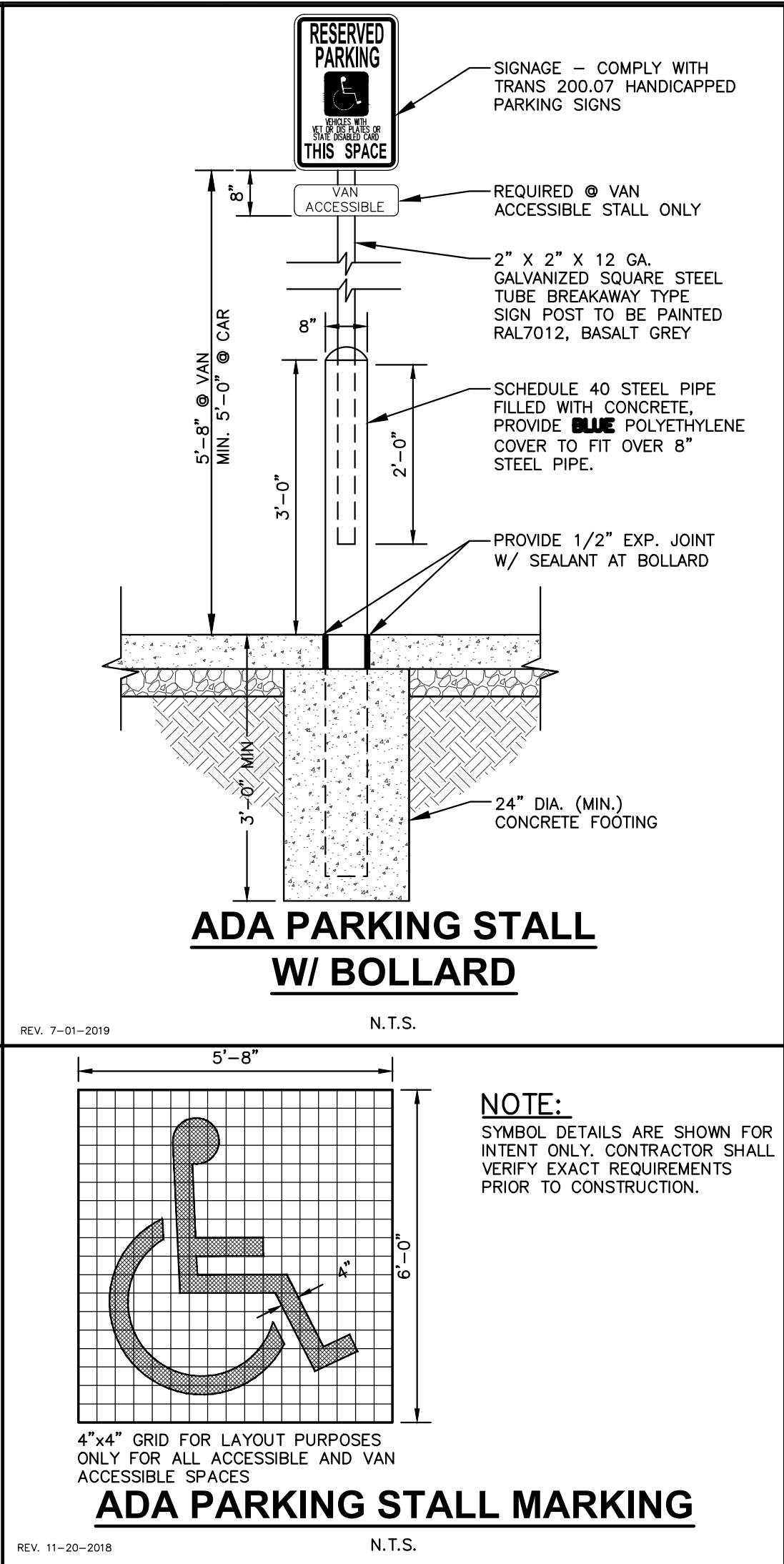
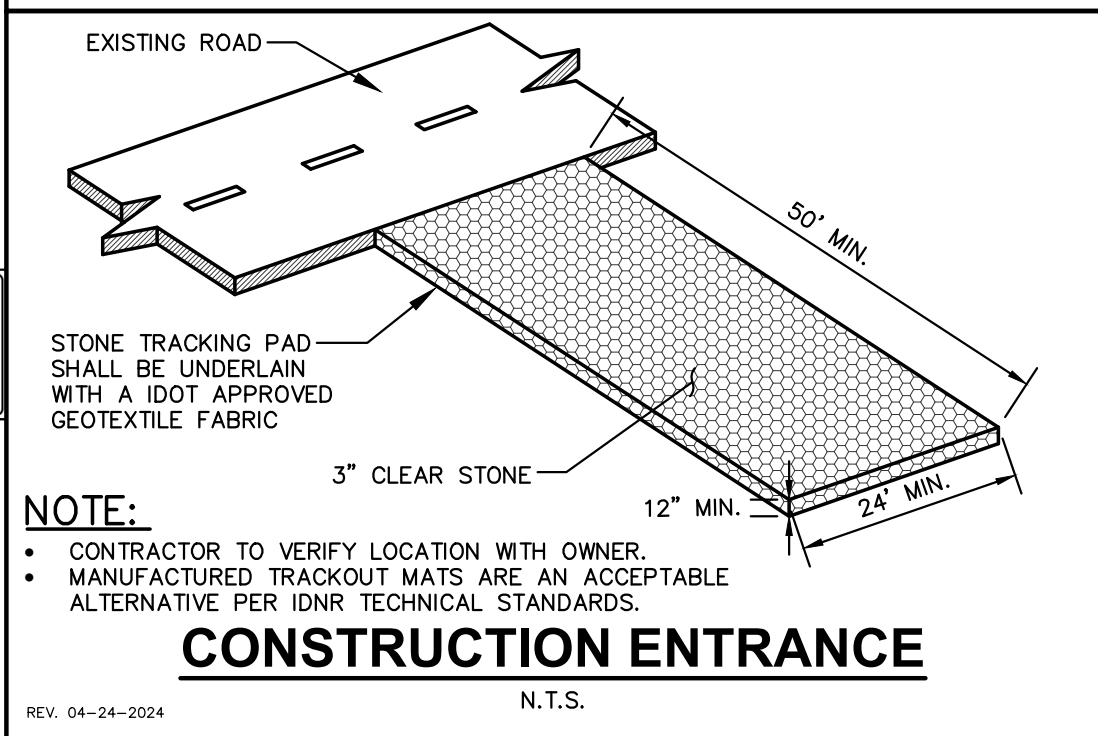
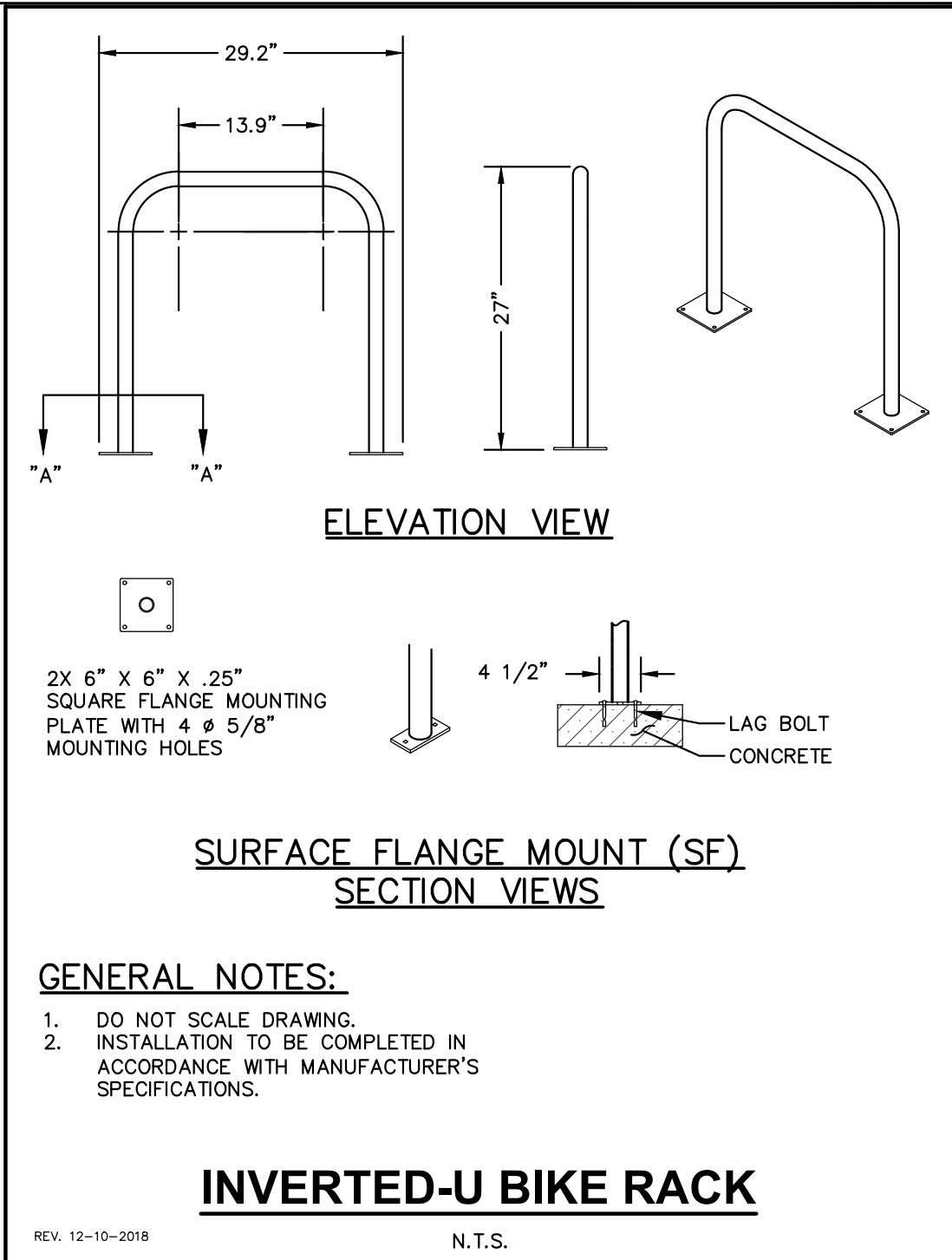
File: \JSD\Chicago projects\2024\2414769-EDWG\Civil Sheets\2414769 C5.0 Details.dwg Layout: C5.2 Details User: eric.drakas Plotted: Jun 12, 2025 - 8:55am Xref's:





	City of Naperville STANDARD DETAIL
TEMPORARY EROSION CONTROL MEASURE - SILT FENCE	LANDSCAPE 3 790.03
REVISED: 01/01/2013	SHEET 1 OF 2



	City of Naperville STANDARD DETAIL
TEMPORARY EROSION CONTROL MEASURE - SILT FENCE	LANDSCAPE 3 790.03
REVISED: 01/01/2013	SHEET 2 OF 2





CREATE THE VISION  TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOUHY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:
**GUZMAN Y GOMEZ
MEXICAN KITCHEN**

CLIENT ADDRESS:
**795 EAST GOLF ROAD
SCHAUMBURG, IL 60173**

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 05-15-25

PROJECT:
**GUZMAN Y GOMEZ
MEXICAN KITCHEN**

PROJECT LOCATION:
**844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DUPAGE COUNTY**

#	Date:	Description:
1	03.20.2025	PUD SUBMITTAL
2	05.15.2025	PUD RESUBMISSION
3	06.16.2025	PZC REVIEW & APPROVAL
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

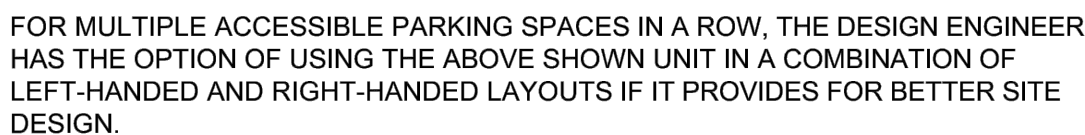
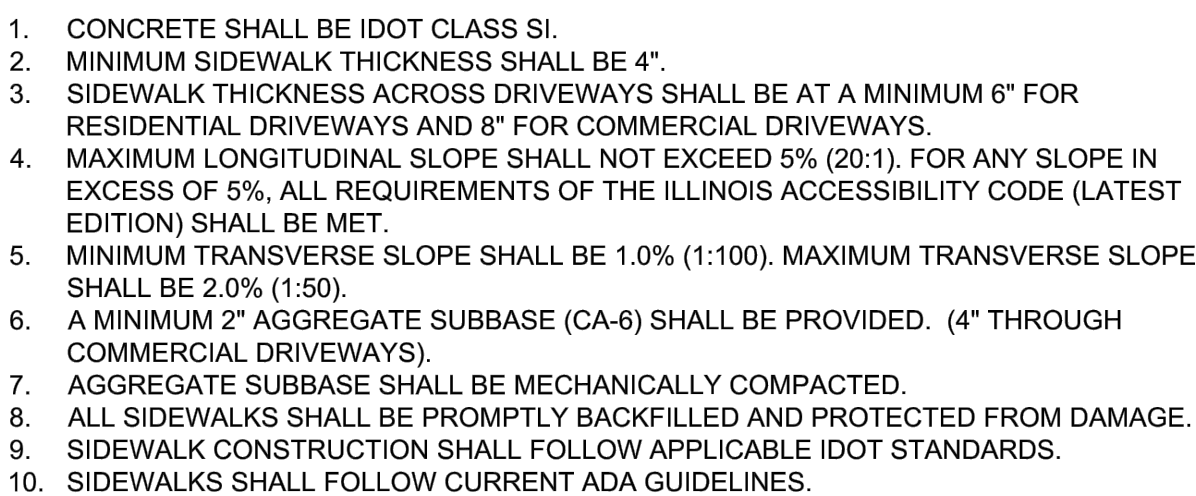
Designed By: GW/ED
Reviewed By: LV/PP
Approved By: MK

SHEET TITLE:
DETAILS

SHEET NUMBER:
C5.2

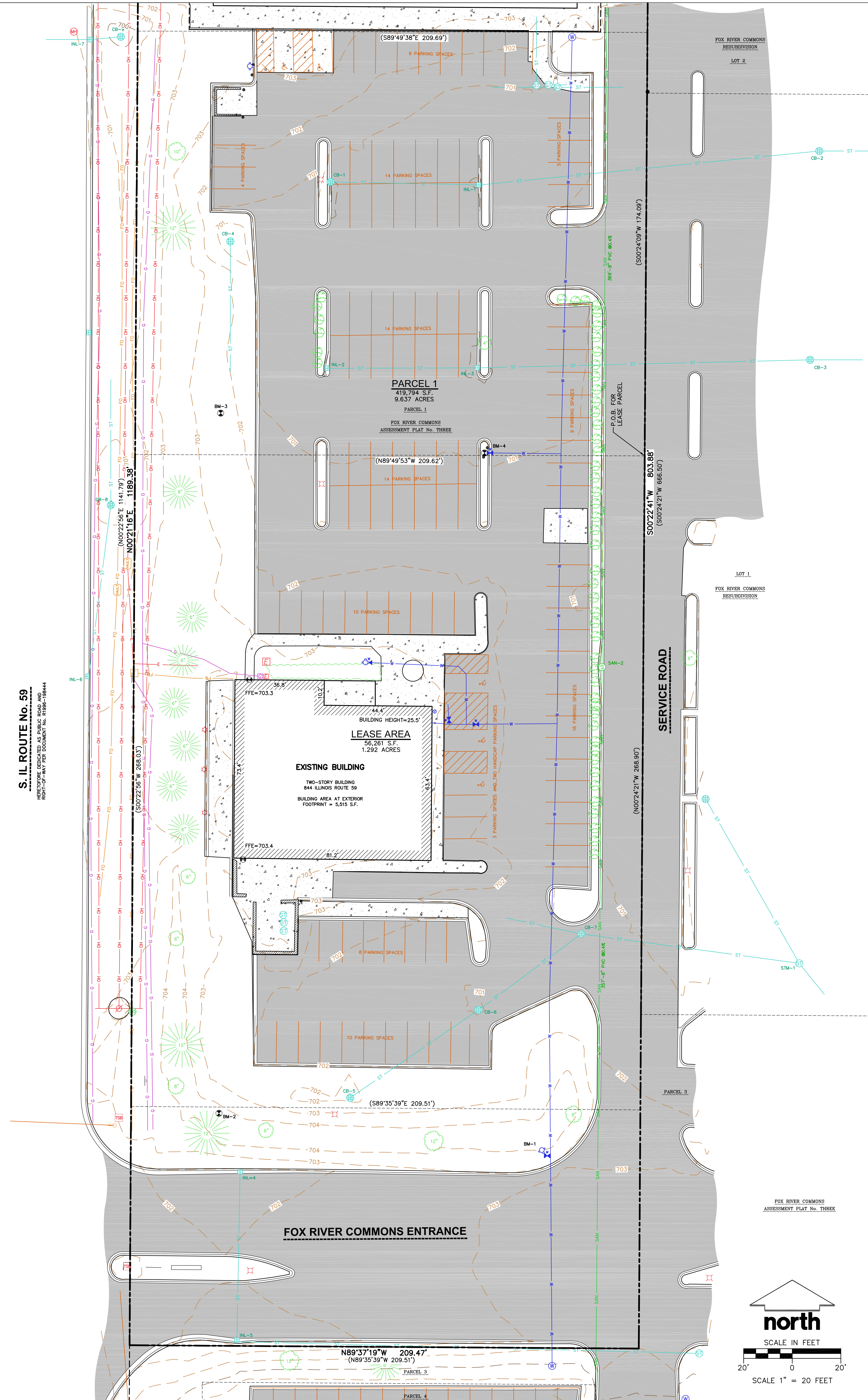
JSD PROJECT NO: 2414769

THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.



ACCESSIBLE SYMBOL
LINES SHALL BE WHITE





EXISTING CONDITIONS SURVEY

PART OF LOT 1, FOX RIVER COMMONS ASSESSMENT PLAT No. THREE, LOCATED IN THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 38 NORTH, RANGE 09 EAST OF THE THIRD PRINCIPAL MERIDIAN, CITY OF NAPERVILLE, DU PAGE COUNTY, ILLINOIS.

NOTES

1. FIELD WORK PERFORMED ON JANUARY 7 AND 8, 2025.
2. BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, THE EAST LINE OF FOX RIVER COMMONS ASSESSMENT PLAT No. THREE, BEARS N00°21'16"E.
3. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88).
4. CONTOUR INTERVAL IS ONE FOOT.
5. SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING J.U.L.I.E. FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. J.U.L.I.E. TICKET No. A243521743, WITH A CLEAR DATE OF DECEMBER 24, 2024.
6. UTILITY COMPANIES CONTACTED THRU J.U.L.I.E.:
ASTOUND
CITY OF AURORA
COMCAST
HBK ENGINEERING, LLC
UNITE PRIVATE NETWORK
MCI/ASRIZON
CITY OF NAPERVILLE
VERIZON WIRELESS
AT&T DISTRIBUTION
COMED
EVERSTREAM GLC HOLDINGS CO.
WINDSTREAM KDL/MCLEOD USA
LEVEL3/LUMEN
NICOR GAS
UNITI DARK FIBER
7. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED, FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT J.U.L.I.E., AT 811 OR 1.800.892-0123.
8. ALL ACCESS AND UTILITY EASEMENT ARE BLANKET IN NATURE AND CAN NOT BE SHOWN HEREON.

LEGAL DESCRIPTION

LOT 1, FOX RIVER COMMONS ASSESSMENT PLAT No. THREE, RECORDED AS DOCUMENT No. R0204-054860, LOCATED IN THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 38 NORTH, RANGE 09 EAST OF THE THIRD PRINCIPAL MERIDIAN, CITY OF NAPERVILLE, DU PAGE COUNTY, ILLINOIS.

FOR INFORMATIONAL PURPOSES ONLY:
P.L.N.: 07-22-300-036 FOR OLD LOT 1.
COMMON ADDRESS: 844 S. ROUTE 59, NAPERVILLE, IL 60540

SURVEYOR'S CERTIFICATE

I, JOHN KREBS, ILLINOIS PROFESSIONAL LAND SURVEYOR No. 035-002880, HEREBY CERTIFY THAT UNDER THE DIRECTION OF GUZMAN Y GOMEZ MEXICAN KITCHEN, THIS SURVEY AND MAP HAS BEEN PREPARED AND COMPLES WITH THE RULES FOR THE ADMINISTRATION OF THE ILLINOIS PROFESSIONAL LAND SURVEYOR ACT OF 1989 PART 1270 AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE INFORMATION PROVIDED.

JOHN KREBS,
ILLINOIS PROFESSIONAL LAND SURVEYOR No. 035-002880
MY LICENSE EXPIRES/RENEWS: 11/30/2026
Email: john.krebs@jdsinc.com
Website: www.jdsinc.com

DATE

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ILLINOIS REGISTRATION No. 184-005339



STORM SEWER STRUCTURES					
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION/PIPE SIZE	PIPE TYPE	
CB-1	699.94	E	695.70 12"	RCP	
INL-1	699.74	W	694.97 12"	RCP	
		NW	695.04 6"	PVC	
		E	694.75 12"	RCP	
CB-2	699.52	W	693.75 12"	RCP	
		E	693.73 12"	RCP	
INL-2	699.75	E	696.04 12"	RCP	
INL-3	699.69	W	695.37 12"	RCP	
		E	695.11 12"	RCP	
CB-3	699.71	W	694.31 12"	RCP	
		E	694.29 12"	RCP	
CB-4	700.43	S	697.21 12"	RCP	
CB-5	700.78	NE	696.23 12"	RCP	
CB-6	700.78	SW	695.97 12"	RCP	
		NE	695.97 12"	RCP	
CB-7	700.16	SW	694.90 12"	RCP	
STM-1	NW	696.30 8"	VCP		
STM-2	-	E	694.87 12"	RCP	
STM-1	700.83	W	694.38 12"	RCP	
		NW	694.43 12"	RCP	
		SE	694.36 12"	RCP	
INL-4	701.34	S	698.94 12"	RCP	
INL-5	701.27	N	698.07 12"	RCP	
		E	698.02 12"	RCP	
INL-6	701.52	N	698.44 12"	RCP	
CB-8	699.79	S	697.34 12"	RCP	
		N	697.02 12"	RCP	
CB-9	699.06	W	697.87	-	
INL-7	700.76	E	696.41 12"	RCP	
		N	694.61 12"	RCP	
		S	695.78 12"	RCP	
		W	694.36 18"	RCP	

SANITARY SEWER MANHOLES					
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION/PIPE SIZE	PIPE TYPE	
SAN-1	706.46	S	698.69 10"	PVC	
		E	700.40 8"	PVC	
		W	700.40 6"	PVC	
		N	698.65 10"	PVC	
SAN-2	700.88	S	697.18 10"	PVC	
		SW	696.86 8"	PVC	
		N	696.78 10"	PVC	
SAN-3	700.88	S	695.11 10"	PVC	
		N	695.08 10"	PVC	

BENCHMARKS		
BENCH MARK	ELEVATION	DESCRIPTION
BM-1	706.41	TOP NUT ON HYDRANT, NORTHWEST CORNER OF ENTRANCE AND FRONTAGE ROAD
BM-2	703.98	No. 6 REBAR WITH PLASTIC JSD CAP, SOUTHWEST CORNER OF SITE
BM-3	702.22	No. 6 REBAR WITH PLASTIC JSD CAP, NORTHWEST CORNER OF SITE
BM-4	704.01	TOP NUT ON HYDRANT IN PARKING LOT

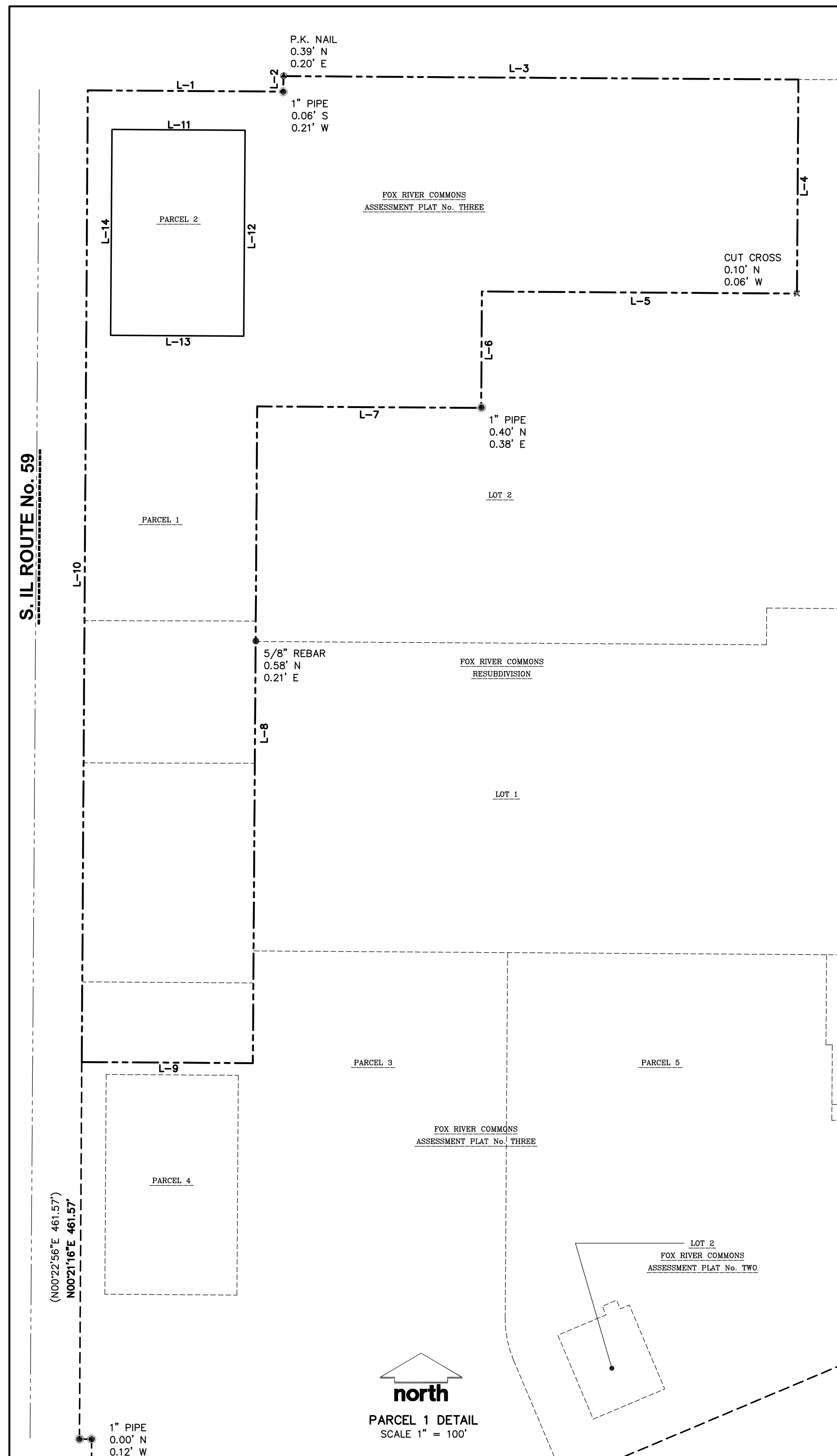
*JSD PROFESSIONAL SERVICES, INC., DOES NOT GUARANTEE THAT THE BENCHMARK ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.

LINE TABLE					
LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L-1	S89°37'19"E	239.48'	L-8	S00°22'41"W	803.88'
()	S89°35'39"E	239.48'	()	S89°35'39"E	163.00'
L-2	N00°22'41"E	19.00'	L-9	N89°37'19"W	209.47'
()	N00°24'21"E	19.00'	()	S00°24'21"W	252.00'
L-3	S89°37'19"E	630.48'	L-10	N00°21'16"E	1189.38'
()	S89°35'39"E	630.48'	()	N89°35'39"W	163.00'
L-4	S00°22'41"W	262.00'	L-11	S89°37'19"E	263.00'
()	S00°24'21"W	262.00'	()	N00°24'21"E	252.00'
L-5	N89°37'19"W	385.75'	L-12	S00°22'41"W	252.00'
()	N89°35'39"W	385.75'	()	S00°24'21"W	252.00'
L-6	S00°22'41"W	142.50'	L-13	N89°37'19"W	163.00'
()	S00°24'21"W	142.50'	()	N89°35'39"W	163.00'
L-7	N89°37'19"W	274.25'	L-14	N00°22'41"E	252.00'
()	N89°35'39"W	274.25'	()	N00°24'21"E	252.00'

- LEGEND**
- 5/8" REBAR FOUND
 - 1" IRON PIPE FOUND
 - CHEISED 'X' FOUND
 - PK/MAG NAIL FOUND
 - BENCHMARK
 - FINISHED FLOOR SHOT LOCATION
 - SIGN
 - SANITARY MANHOLE
 - CLEAN OUT
 - WATER MANHOLE
 - HYDRANT
 - WATER VALVE
 - STORM MANHOLE
 - ROUND CASTED INLET
 - CURB INLET
 - DOWNSPOUT
 - GAS REGULATOR/METER
 - MANHOLE - UNVERIFIED TYPE
 - ELECTRIC TRANSFORMER
 - ELECTRIC METER
 - LIGHT POLE
 - YARD LIGHT
 - POWER POLE
 - TRAFFIC SIGNAL
 - SIGNAL CONTROLLER BOX
 - VAULT
 - TELEPHONE PEDESTAL
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - BUSH
 - HANDICAP PARKING
 - PARCEL BOUNDARY
 - SECTION LINE
 - RIGHT-OF-WAY LINE
 - PLATTED LOT LINE
 - CONCRETE CURB & GUTTER
 - SANITARY SEWER
 - WATER LINE
 - STORM SEWER
 - NATURAL GAS
 - OVERHEAD LINE
 - UNDERGROUND ELECTRIC
 - FIBER OPTIC
 - EDGE OF WOODS OR BRUSH
 - BUILDING
 - INDEX CONTOUR
 - INTERMEDIATE CONTOUR
 - BITUMINOUS PAVEMENT
 - CONCRETE PAVEMENT
 - RETAINING WALL
 - PAVEMENT STRIPING
 - END OF FLAGGED UTILITIES
 - DENOTES RECORDED AS MEASUREMENTS
 - DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY



VICINITY MAP
NOT TO SCALE



CREATE THE VISION TELL THE STORY

jsdinc.com

CHICAGO REGIONAL OFFICE
1400 EAST TOURY AVENUE, SUITE 215
DES PLAINES, IL 60018
P. 312.644.3379

CLIENT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

CLIENT ADDRESS:

795 EAST GOLF ROAD
SCHAUMBURG, IL 60173

PROJECT:

GUZMAN Y GOMEZ
MEXICAN KITCHEN

PROJECT LOCATION:

844 ILLINOIS ROUTE 59
NAPERVILLE, IL
DU PAGE COUNTY

MODIFICATIONS:

#	Date	Description
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Prepared By:

JK 01/10/25

SHEET TITLE:

EXISTING
CONDITIONS
SURVEY

SHEET NUMBER:

1 OF 1

PROJECT NO:

24-14769-0