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EXTRA SPACE STORAGE, INC. ESS NAPERVILLE STORAGE #1259

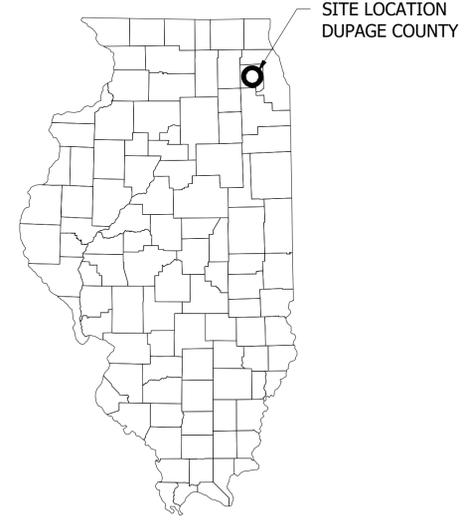
1432 W OGDEN AVE. NAPERVILLE, IL 60563

RQAW

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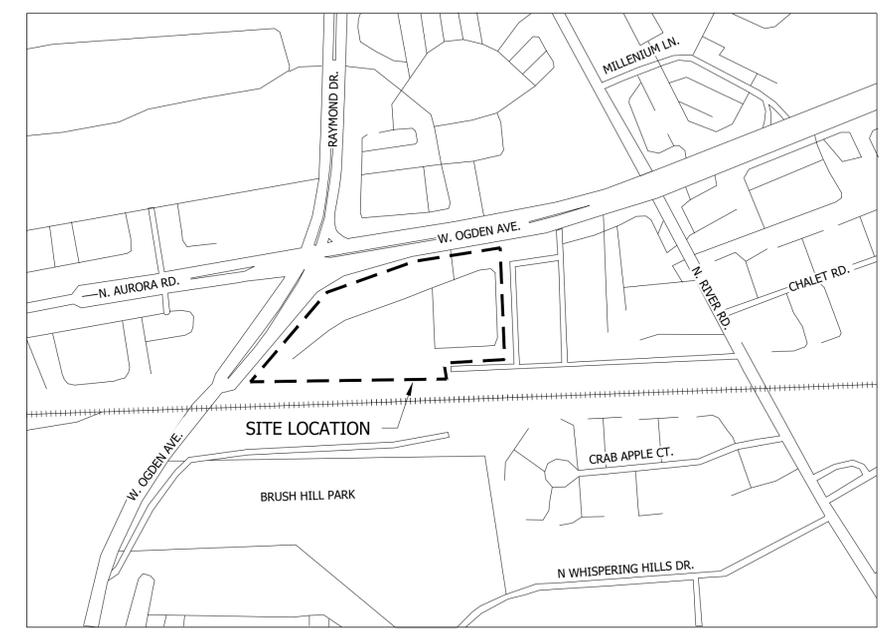
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EXTRA SPACE STORAGE, INC.
ESS NAPERVILLE
STORAGE #1259
1432 W OGDEN AVE. NAPERVILLE, IL 60563



SITE VICINITY MAP

NOT TO SCALE



SITE LOCATION MAP

NOT TO SCALE



PLANS PREPARED FOR:

EXTRA SPACE STORAGE
2795 EAST COTTONWOOD PARKWAY #400
SALT LAKE CITY, UTAH 84121
CONTACT PERSON: CLINT KLEPPE
EMAIL: CKLEPPE@EXTRASPACE.COM

PLANS PREPARED BY:

RQAW CORPORATION
8770 NORTH STREET, SUITE 110
FISHERS, INDIANA 46038
TELEPHONE: (317) 588-1772
CONTACT PERSON: AARON CROW
EMAIL: acrow@rqaw.com

OPERATING AUTHORITIES

WATER
CITY OF NAPERVILLE
400 S. EAGLE ST.
NAPERVILLE, IL 60540
TELEPHONE: (630) 420-6187

WASTEWATER
CITY OF NAPERVILLE
400 S. EAGLE ST.
NAPERVILLE, IL 60540
TELEPHONE: (630) 420-6187

STORM WATER
CITY OF NAPERVILLE
180 FORT HILL DRIVE
NAPERVILLE, IL 60540
TELEPHONE: (630) 420-6095

ELECTRIC
CITY OF NAPERVILLE
1392 AURORA AVENUE
NAPERVILLE, IL 60540
TELEPHONE: (630) 305-5319

BUILDING PERMITS AND INSPECTIONS
CITY OF NAPERVILLE
400 S. EAGLE ST.
NAPERVILLE, IL 60540
TELEPHONE: (630) 420-6100
EMAIL: BUILDINGPERMITS@NAPERVILLE.IL.US

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
G001	TITLE SHEET
C100	DEMOLITION PLAN
C200	SITE PLAN
C300	UTILITY PLAN
C301	STORM SEWER PROFILE VIEWS
C400	GRADING PLAN
C401	STORM DRAINAGE PLAN AND SECTION VIEWS
C402	STORM DRAINAGE PLAN AND SECTION VIEWS
C500	PRE-CONSTRUCTION EROSION CONTROL PLAN
C501	CONSTRUCTION EROSION CONTROL PLAN
C502	POST CONSTRUCTION EROSION CONTROL PLAN
C503	EROSION CONTROL DETAILS
C504	SWPPP NOTES
C600	CONSTRUCTION DETAILS
C601	CONSTRUCTION DETAILS
C602	CONSTRUCTION DETAILS
L100	TREE REMOVAL AND PROTECTION PLAN
L200	LANDSCAPE PLAN
L201	LANDSCAPE PLAN DETAILS

REVISIONS		
REVISION NUMBER	REVISION DESCRIPTION	DATE
2	CITY REVIEW COMMENTS	8/22/2024



CONTACT US
CALL 811 OR (800)892-0123
to place a locate request
3275 Executive Drive
Joliet, IL 60431
Administrative Offices:
(815)741-5000 (not for locates)
(815)741-5597 (fax)
info@illinois1call.com

#	Revision	Date
2	CITY REVIEW COMMENTS	08/22/24
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Project #: 23-700-300-1
Designed By: MDL
Drawn By: RLH
Checked By: ALC
Date: 12.30.2024



Aaron Crow

TITLE SHEET

G001

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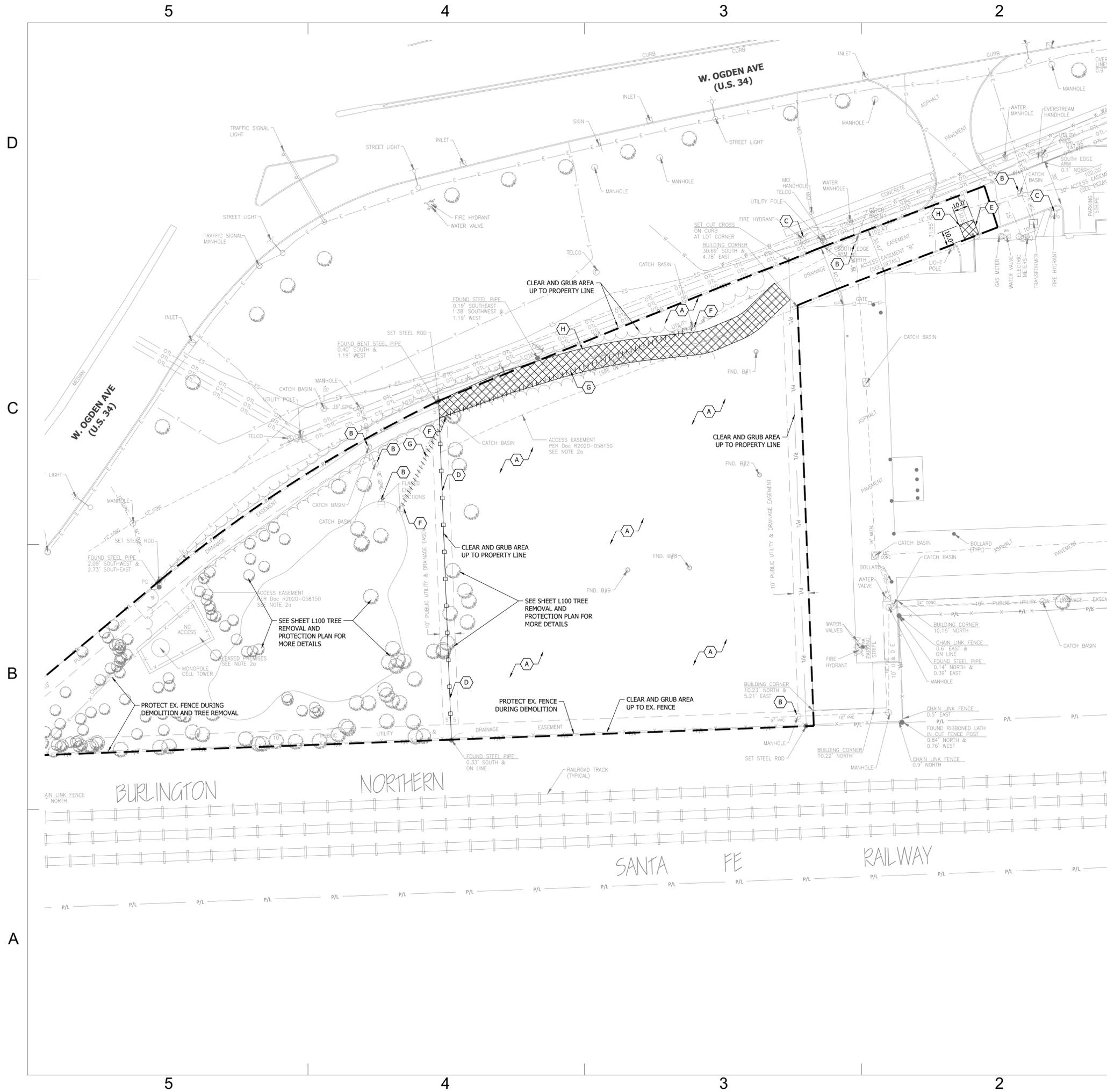
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DEMOLITION PLAN LEGEND

— P/L —	PROPERTY LINE
---	PROPOSED CONSTRUCTION LIMITS
- - -	EXISTING STORM SEWER
— W —	EXISTING WATER LINE
— G —	EXISTING GAS LINE
— T —	EXISTING UNDERGROUND TELEPHONE LINE
— E —	EXISTING UNDERGROUND ELECTRIC LINE
— X —	EXISTING FENCE
— OTL —	EXISTING OVERHEAD TELEPHONE LINE
	DEMOLITION LINE
⊗	EXISTING FIRE HYDRANT
⊙	EXISTING WATER MANHOLE
⊕	EXISTING ELECTRIC METER
⊛	EXISTING STORM SEWER STRUCTURE
☆	EXISTING LIGHT POLE
⊙	EXISTING GAS METER
⊙	EXISTING TREE

KEY NOTES

(A)	CLEAR AND GRUB WOODED AREA
(B)	EXISTING STORM SEWER STRUCTURE TO REMAIN. PROTECT AND MAINTAIN DURING CONSTRUCTION
(C)	EXISTING FIRE HYDRANT TO REMAIN. PROTECT AND MAINTAIN DURING CONSTRUCTION
(D)	REMOVE EXISTING FENCE
(E)	DIRECTIONAL DRILL RECEIVING PIT
(F)	REMOVE EXISTING STORM SEWER STRUCTURE
(G)	REMOVE EXISTING STORM SEWER PIPE
(H)	DEMOLITION LIMITS (ASPHALT, GRAVEL)

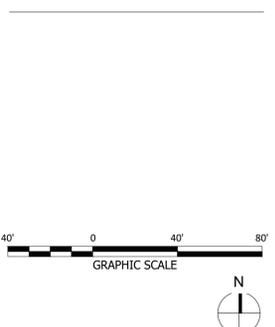
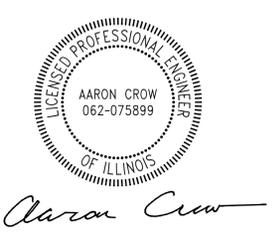
- ### DEMOLITION PLAN NOTES
- THE CONTRACTOR SHALL REMOVE ALL MUD, DIRT, GRAVEL AND ANY OTHER MATERIALS TRACKED ONTO ANY PUBLIC OR PRIVATE STREETS OR SIDEWALKS. THE CONTRACTOR SHALL UTILIZE MEASURES TO CONTROL DUST AT ALL TIMES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE MUNICIPALITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
 - ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING DEMOLITION.
 - CONDUCT DEMOLITION AND CONSTRUCTION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT OCCUPIED STRUCTURES.
 - ALL UTILITIES TO BE REMOVED SHALL BE DISCONNECTED AND CAPPED AT THE NEAREST CONNECTION POINT, UNLESS SPECIFIED OTHERWISE.
 - UTILITIES ARE SHOWN TO BE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY(S) COMPANY FOR THE REMOVAL, RELOCATION, AND/OR DEMOLITION OF ALL EXISTING UTILITIES.
 - ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE UNLESS NOTED OTHERWISE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROPER DRAINAGE IN DEMOLITION AREAS.
 - THE USE OF ANY TYPE OF EXPLOSIVES WILL NOT BE PERMITTED.
 - PROMPTLY REPAIR ANY DAMAGE TO ADJACENT FACILITIES CAUSED BY DEMOLITION AND CONSTRUCTION OPERATIONS AT NO EXTRA COST TO THE OWNER.
 - DEMOLITION ITEMS INCLUDE BUT ARE NOT LIMITED TO DEMOLITION ITEMS INDICATED ON THIS PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE OR RELOCATE ITEMS WHICH INTERFERE WITH NEW CONSTRUCTION.
 - THE OWNER/DEVELOPER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING QUALITY CONTROL AT ALL TIMES DURING THE CONSTRUCTION PROCESS.
 - CONTACT OWNER IMMEDIATELY IF CONTAMINATED SOILS ARE ENCOUNTERED DURING CONSTRUCTION. CONTAMINATED SOILS MUST BE HAULED OFF-SITE AND PROPERLY DISPOSED.



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 Checked By: ALC
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DEMOLITION PLAN

C100

CITY OF NAPERVILLE 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 TRANSPORTATION'S "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.
7. THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRECONSTRUCTION MEETING WITH THE CITY OF NAPERVILLE PRIOR TO ANY WORK BEING STARTED. A PRECONSTRUCTION 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-FREE NUMBER IS 800-892-8123. 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.

NAPERVILLE GEOMETRIC & 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 UNTIL 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.

SITE PLAN LEGEND

- P/L — PROPERTY LINE
- - - - - PROPOSED CONSTRUCTION LIMITS
- — — — — PROPOSED STORM SEWER
- E — PROPOSED UNDERGROUND ELECTRIC LINE
- X — PROPOSED FENCE
- ⊗ EXISTING FIRE HYDRANT
- ⊗ EXISTING WATER MANHOLE
- ⊗ EXISTING WATER VALVE
- ⊗ EXISTING ELECTRIC METER
- ⊗ EXISTING STORM SEWER STRUCTURE
- ⊗ EXISTING LIGHT POLE
- ⊗ EXISTING GAS METER
- ⊗ EXISTING TREE

KEY NOTES

- (A) ASPHALT, 1.5" LIGHT DUTY PAVEMENT
- (B) CONCRETE SIDEWALK TO BE CONSTRUCTED BY OTHERS
- (C) PARKING STRIPING 4" SOLID WHITE LINE
- (D) PROPOSED MANUAL ROLLER GATE WITH PADLOCK
- (E) ESS FACILITIES STANDARD 6' ENTRY GATE AND KEYPAD BOLLARD
- (F) PROPOSED 6' VINYL COATED CHAIN LINK FENCE SEE DETAIL ON SHEET C602
- (G) PROPOSED 6' IRON FENCE, MATCH EXISTING ON BUILDING FRONTAGE TO EAST SEE DETAIL ON SHEET C602
- (H) PROPOSED REVETMENT RIPRAP
- (I) PROPOSED GRAVEL FOR ACCESS DRIVE
- (J) SNOW GATE, 8' WIDE TO MATCH ADJACENT FENCING MATERIAL FOR MANUALLY OPERATED GATE
- (K) CONCRETE COLLAR TO BE INSTALLED AROUND MANHOLE CASTING
- (L) B6.12 BARRIER CURB AND GUTTER

SITE PLAN NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE MUNICIPALITY, COUNTY AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR NOTIFICATION AND COORDINATION OF ALL CONSTRUCTION WITH RESPECTIVE UTILITY COMPANIES.
4. ALL CONSTRUCTION ACTIVITY ON THIS SITE IS TO BE PERFORMED IN COMPLIANCE WITH MOST CURRENT APPLICABLE OSHA STANDARDS FOR WORKER SAFETY.
5. ALL RADII AND STREET DIMENSIONS SHALL BE MEASURED TO FACE OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
6. EXISTING PAVEMENT TO BE SAW CUT IN ALL AREAS WHERE INDICATED NEW PAVEMENT TO JOIN EXISTING PAVEMENT.
7. THE EDGE OF THE EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL IN ALL AREAS WHERE NEW ASPHALT PAVEMENT IS INDICATED TO JOIN EXISTING ASPHALT.
8. ALL CONSTRUCTION JOINTS SHALL BE SAWS, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH THE APPROPRIATE SEALANT ACCORDING TO MANUFACTURER'S DIRECTIONS.
9. ALL PARKING STRIPES AND AREA PARKING TO BE 4" YELLOW PAINT. ADA PARKING AREAS AND ACCESS AISLES TO BE 4" BLUE PAINT.
10. BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS AND PLATS FOR EXACT INFORMATION.
11. SEE ARCHITECTURAL PLANS FOR DETAILS OF BUILDINGS AND BUILDING DIMENSIONS.
12. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNING ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
13. CONTACT ENGINEER IF ADDITIONAL DIMENSIONS ARE NEEDED FOR CONSTRUCTION.

ZONING TABLE

CURRENT ZONE: B3 COMMERCIAL, PUD
 PROPOSED ZONE: B3 COMMERCIAL, PUD
 FRONT YARD SETBACK PROPOSED: 31.8 FT
 REAR YARD SETBACK PROPOSED: 10 FT
 MAJOR ARTERIAL SETBACK PROPOSED: 1.8 FT
 MAJOR ARTERIAL SETBACK REQUIRED: 70 FT FROM THE CENTERLINE OR 20 FT FROM THE EDGE OF THE RIGHT-OF-WAY.

ABUTTING PROPERTIES:
 NORTH: B2 COMMERCIAL, PUD
 SOUTH: R3 HIGH-DENSITY RESIDENTIAL, MULTIFAMILY; R1A PARKS AND OPEN SPACES;
 1 INDUSTRIAL (SOUTH OF RAILROAD R/W)
 EAST: 1 INDUSTRIAL
 WEST: B3 (WEST OF IDOT R/W)

PARKING RATIO:
 EXISTING BUILDING AREA, LOT 1: 90,396 SFT
 PROPOSED BUILDING AREA, LOT 2 & 3: 20,837.99 SFT
 (REQUIRED PARKING RATIO FOR SELF-STORAGE 0.4 PER 1,000 SF)

THE TOTAL PROPOSED PARKING FOR THE CONSOLIDATED LOT (DEVIATION GRANTED PER ORDINANCE #06-167): 14 SPACES

EXISTING DEVELOPED AREA, LOT 1: 79,370 SFT
 ADDITIONAL PROPOSED DEVELOPMENT AREA, LOT 2 & 3: 102,428 SFT
 EXPANSION: 56.3%

FLOOD ZONE: X (AREA OF MINIMAL HAZARD)

FLOOR AREA RATIO (FAR) CALCULATIONS:
 ALL BUILDINGS, CONSOLIDATED AREA LOTS 1, 2, & 3: 0.612
 REQUIRED MAXIMUM: 0.325



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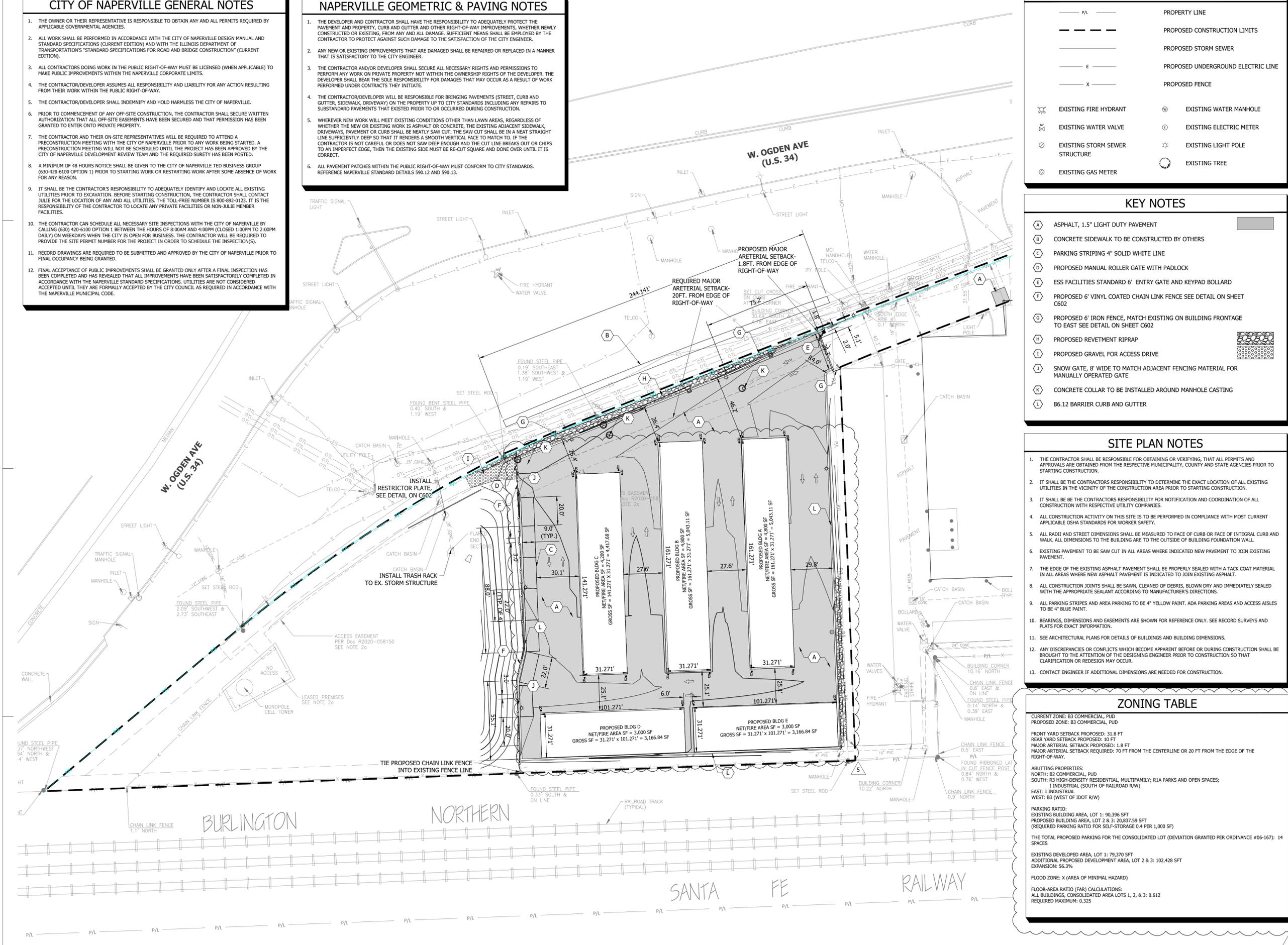


Aaron Crow



SITE PLAN

C200



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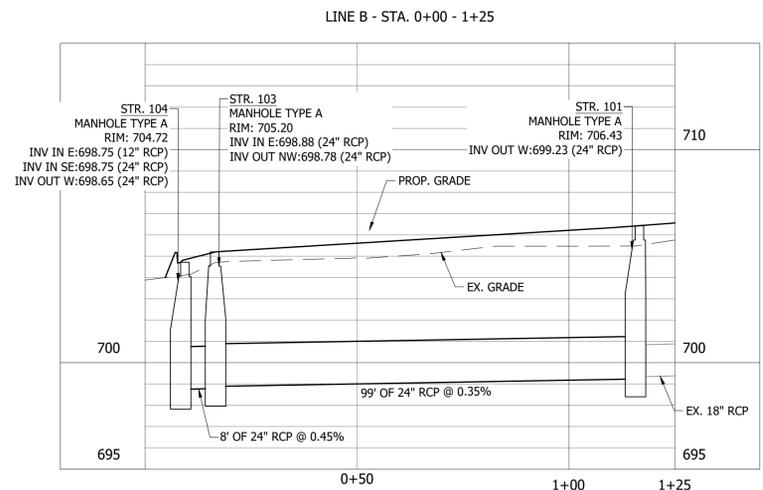
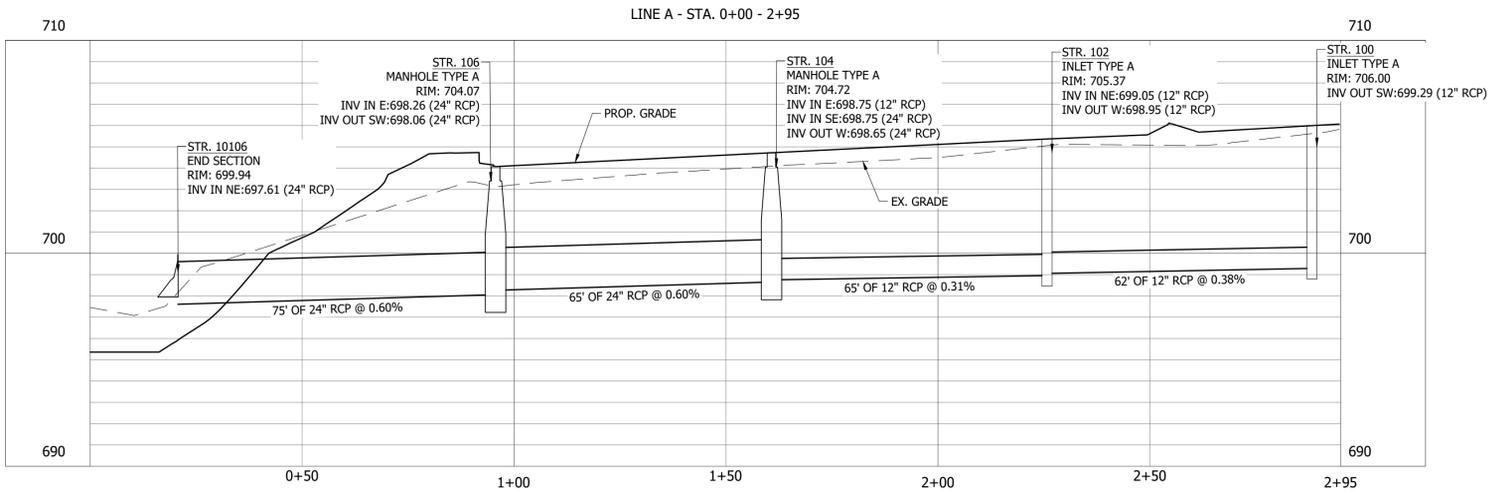
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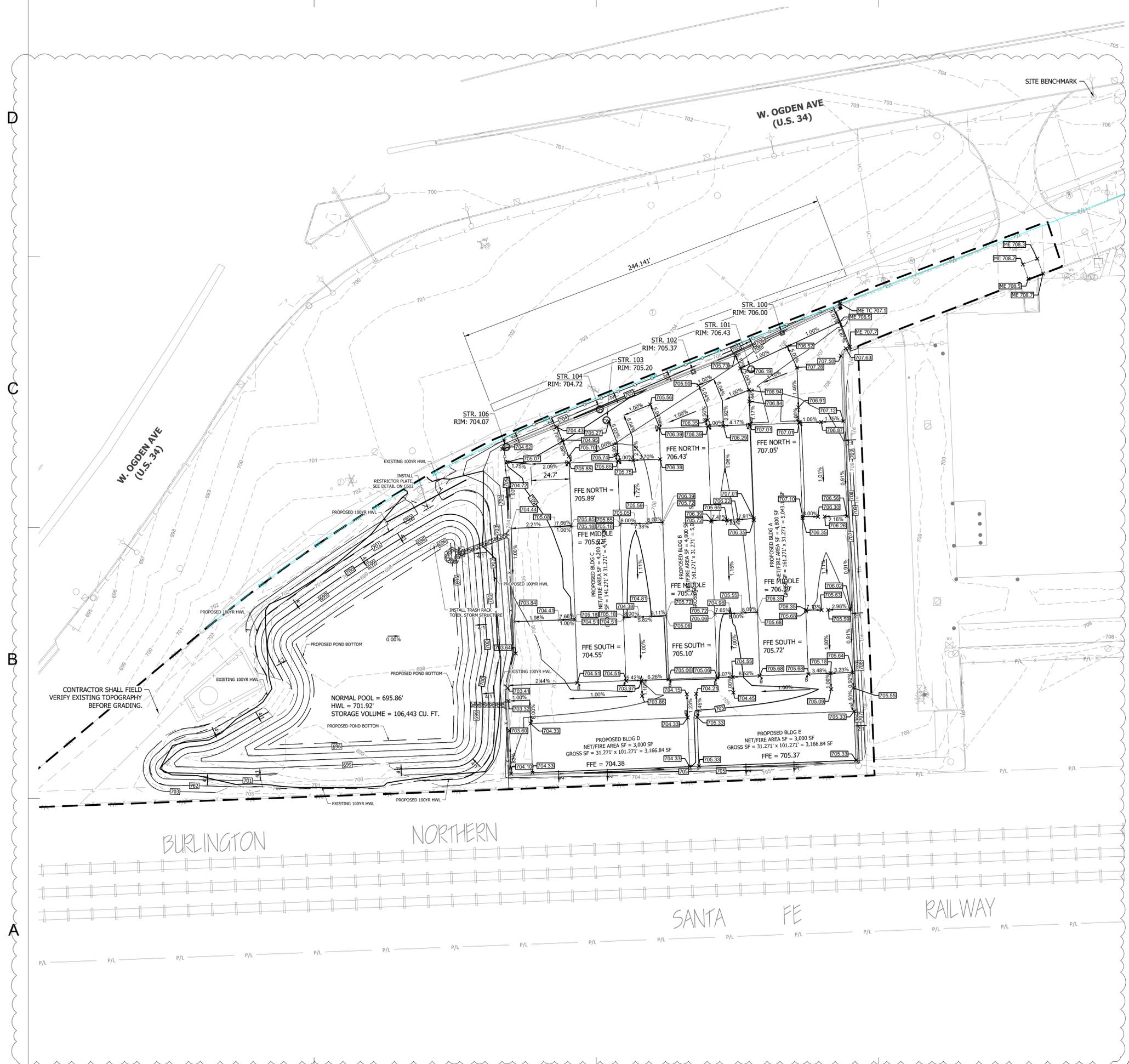
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STORM SEWER PROFILE VIEWS



GRADING PLAN LEGEND

— P/L —	PROPERTY LINE
---	PROPOSED CONSTRUCTION LIMITS
- 870 -	EXISTING CONTOUR
— 870 —	PROPOSED CONTOUR
---	EXISTING 100YR HWL
---	PROPOSED 100YR HWL
→	FLOW ARROW
XXX.XX	FINISH GRADE ELEVATION
ME XXX.XX	FINISH GRADE ELEVATION (MATCH EXISTING)
TC XXX.XX FP XXX.XX	TOP OF CURB ELEVATION / FINISHED PAVEMENT ELEVATION

- ### GRADING PLAN NOTES
- ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
 - TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS WITH A MINIMUM DEPTH OF 6".
 - MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES IF NECESSARY THROUGHOUT CONSTRUCTION.
 - CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS AND PROFILES TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
 - PAVEMENT AREAS SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
 - SEE UTILITY PLAN SHEETS FOR STORM SEWER INVERT AND RIM ELEVATIONS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EARTHWORK QUANTITIES AND INCLUDE ANY NECESSARY EXPORT OR IMPORT OF MATERIAL. IMPORT MATERIAL SHALL BE PRE-APPROVED BY THE ENGINEER/ARCHITECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE EXISTING CONDITIONS AND INCLUDE IN THEIR BID ALL EARTHWORK COSTS INCLUDING IMPORTS AND/OR EXPORTS NECESSARY TO MAKE THE SITE BALANCE.
 - CONTRACTOR TO ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE AT NO ADDITIONAL COST TO THE OWNER.
 - PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR AND CORRECT, IF ANY, STANDING WATER CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR TO PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION AND PROVIDE POSITIVE OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR TO NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

CUT/FILL BALANCE

TOTAL CUT = 5860 CUBIC YARDS
TOTAL FILL = 400 CUBIC YARDS
NET (CUT) = 5460 CUBIC YARDS

NOTE:
NO SHRINK SWELL FACTOR APPLIED TO EARTHWORKS.

FLOOD ELEVATIONS

10-YEAR FLOOD ELEVATION = 700.58
100-YEAR FLOOD ELEVATION = 702.09

BENCHMARK

DESCRIPTION: BERNSTEN 3D TOP SECURITY MONUMENT. CONSISTING OF A 9/16" DIA. STAINLESS STEEL DATUM POINT ON THREADED 9/16" X 4" LONG ROD TOTALING (8") IN LENGTH WITH GREASED TOP SECURITY SLEEVE ENCLOSED IN SAND AND 6" PVC PIPE WITH BMAC 6 ALUMINUM ACCESS COVER.

STATION NO.: 219
ELEVATION: 692.52 NAVD88



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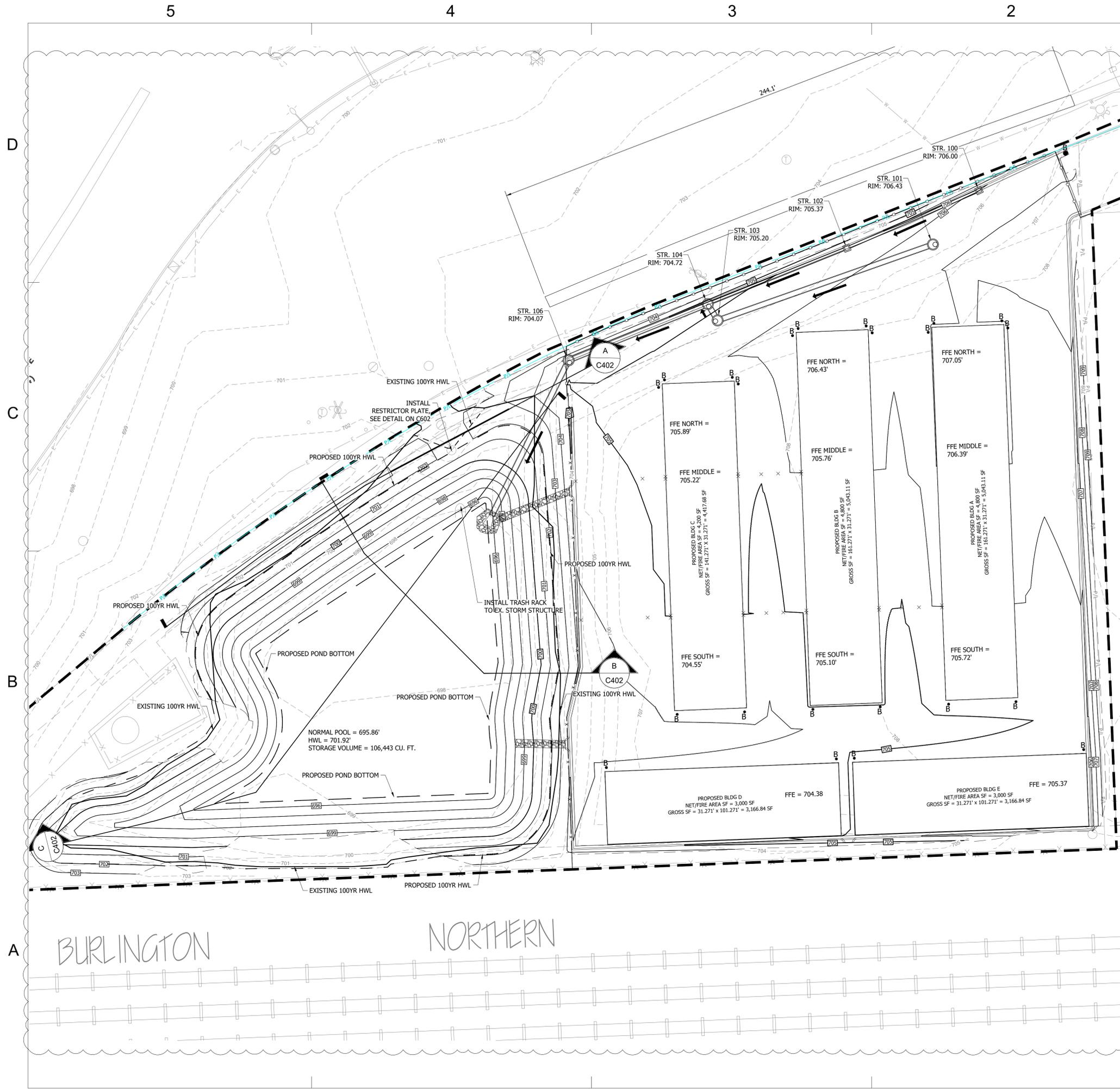
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GRADING PLAN

C400



GRADING PLAN LEGEND

- P/L PROPERTY LINE
- PROPOSED CONSTRUCTION LIMITS
- EXISTING CONTOUR
- 870 PROPOSED CONTOUR
- FLOW ARROW

- ### GRADING PLAN NOTES
- ALL ELEVATIONS AT CONSTRUCTION LIMITS SHALL MATCH EXISTING GRADE.
 - TOPSOIL SHALL BE PLACED IN ALL LANDSCAPE AND YARD AREAS WITH A MINIMUM DEPTH OF 6".
 - MAINTAIN SITE DRAINAGE AT ALL TIMES DURING EARTHWORK OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY DRAINAGE FACILITIES IF NECESSARY THROUGHOUT CONSTRUCTION.
 - CONTOURS SHOW GRADING INTENT. THE CONTRACTOR MUST USE PROPOSED SPOT GRADE ELEVATIONS AND PROFILES TO BUILD SITE. CONTACT ENGINEER IF ADDITIONAL SPOT GRADES ARE NEEDED FOR CONSTRUCTION.
 - PAVEMENT AREAS SHALL BE CONSTRUCTED OF SUITABLE FILL MATERIAL AND COMPACTED PER SPECIFICATIONS. FILL AREAS FOR PAVEMENTS ARE TO BE STRIPPED OF ALL TOPSOIL PRIOR TO PLACEMENT OF FILL.
 - ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
 - SEE UTILITY PLAN SHEETS FOR STORM SEWER INVERT AND RIM ELEVATIONS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THAT STAKED GRADES MATCH DESIGN ELEVATIONS AND POSITIVE DRAINAGE TO STORMWATER MANAGEMENT SYSTEM IS ACHIEVED. CONTACT ENGINEER IF DESIGN ELEVATIONS DO NOT PROVIDE POSITIVE DRAINAGE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EARTHWORK QUANTITIES AND INCLUDE ANY NECESSARY EXPORT OR IMPORT OF MATERIAL. IMPORT MATERIAL SHALL BE PRE-APPROVED BY THE ENGINEER/ARCHITECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE EXISTING CONDITIONS AND INCLUDE IN THEIR BID ALL EARTHWORK COSTS INCLUDING IMPORTS AND/OR EXPORTS NECESSARY TO MAKE THE SITE BALANCE.
 - CONTRACTOR TO ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE AT NO ADDITIONAL COST TO THE OWNER.
 - PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR AND CORRECT, IF ANY, STANDING WATER CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR TO PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION AND PROVIDE POSITIVE POSITIVE OUTLET TO DOWNSTREAM RECEIVING SYSTEM. CONTRACTOR TO NOTIFY THE ENGINEER WITH ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.

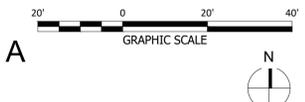
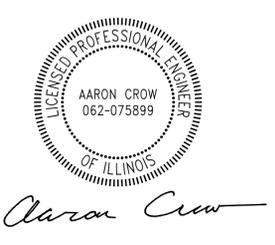
Contour Elevation (feet)	Pond Contour Area (sq-ft)	Pond Storage Used for Detention (cubic-feet)	Remarks
695.86	10,539	0	Pond Outfall Invert
696	10,796	1,493	
697	12,784	13,283	
698	14,979	27,165	
699	17,407	43,358	
700	20,336	62,229	
701	23,139	83,967	
701.92	25,721	106,442	100-YR-HWL
702	25,945	108,509	
703	28,973	135,968	



PERMIT SET
 EXTRA SPACE STORAGE, INC.
ESS NAPERVILLE
STORAGE #1259
 1432 W OGDEN AVE. NAPERVILLE, IL 60563

#	Revision	Date
2	CITY REVIEW COMMENTS	08/22/24
3	CITY REVIEW COMMENTS	10/31/24
4	CITY REVIEW COMMENTS	11/27/24
5	CITY REVIEW COMMENTS	12/30/24

Project #: 23-700-300-1
 Designed By: MDL
 Drawn By: RLH
 Checked By: ALC
 Date: 12.30.2024



STORM DRAINAGE PLAN

C401

#	Revision	Date
2	CITY REVIEW COMMENTS	08/22/24
3	CITY REVIEW COMMENTS	10/31/24
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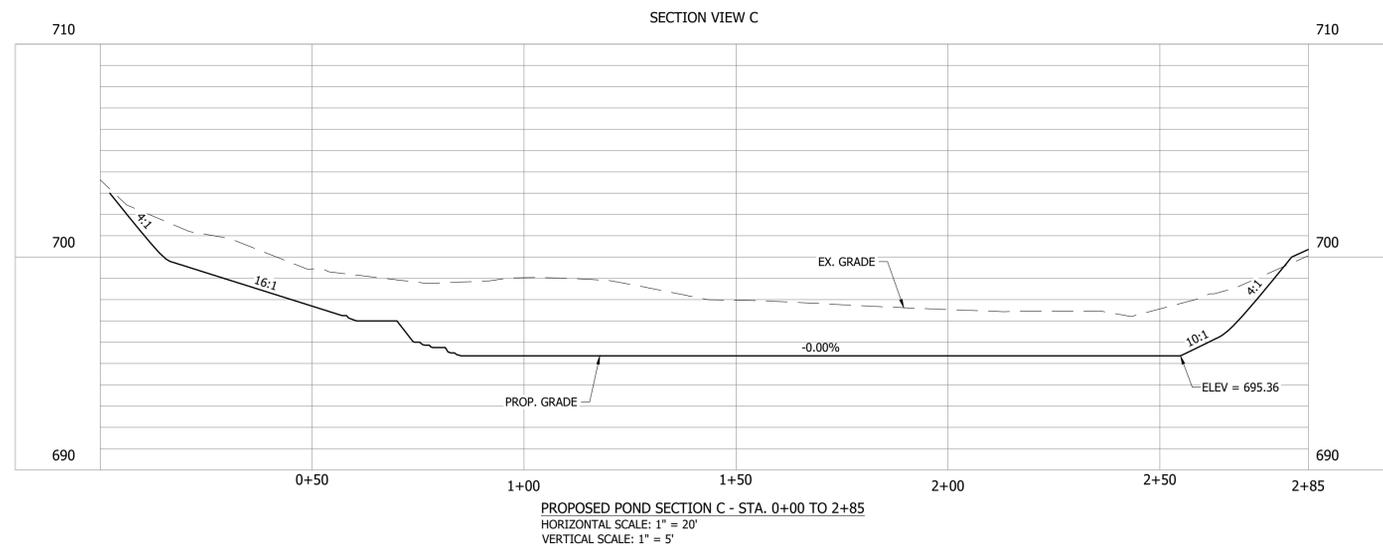
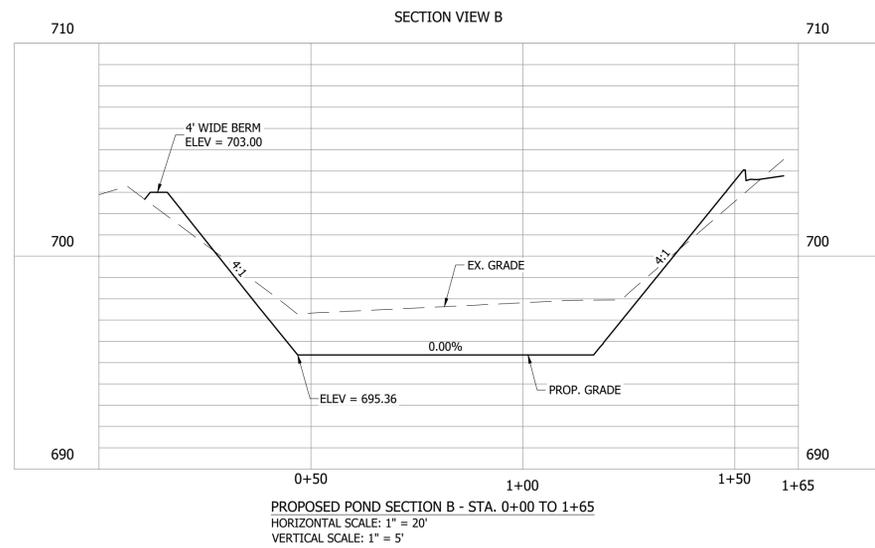
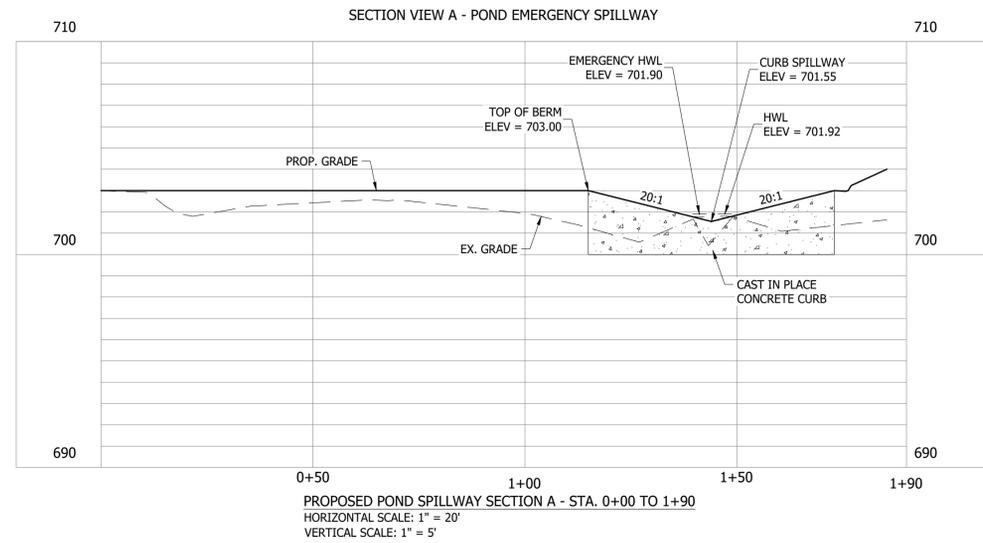


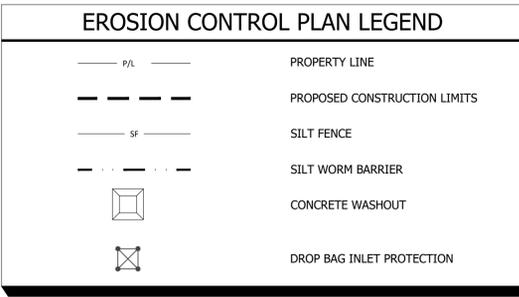
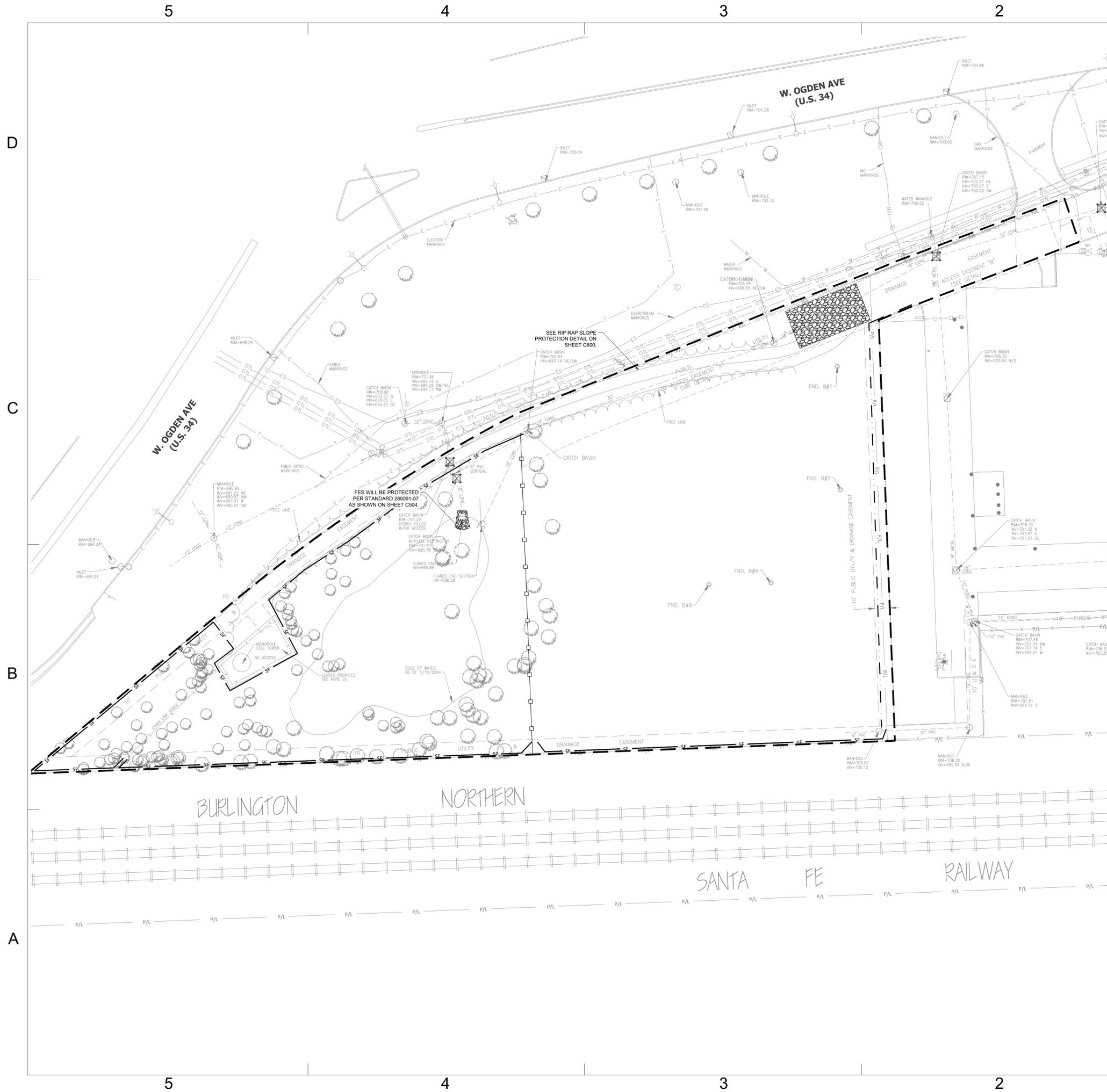
Aaron Crow



STORM DRAINAGE SECTION VIEWS

C402





- ### EROSION CONTROL PLAN NOTES
- SEE SHEET C504 FOR SOILS MAP AND SOIL CHARACTERISTICS.
 - SEE SHEET C503 FOR EROSION CONTROL DETAILS.
 - ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION.
 - ACCESS TO THE SITE SHALL BE RESTRICTED TO THE LOCATION AS SHOWN. NO OTHER SITE ACCESS IS AVAILABLE UNLESS THE CONTRACTOR OBTAINS APPROVAL FROM ADJACENT PROPERTY OWNER AND APPROVAL FROM THE CITY.
 - SEE EROSION CONTROL SEQUENCE AND IMPLEMENTATION NOTES ON SHEET C502.
 - EROSION CONTROL MAINTENANCE - SITE TO BE INSPECTED ONCE A WEEK AND AFTER EVERY RAINFALL EVENT. MAKE REPAIRS IMMEDIATELY.
 - THE SITE IS NOT LOCATED ON OR ADJACENT TO ANY FLOODWAY/FLOOD PLAIN AREAS.
 - EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
 - AREAS THAT WILL BE DISTURBED FOR MORE THAN 15 DAYS SHALL BE STABILIZED IMMEDIATELY WITH TEMPORARY SEEDING. ALL DISTURBED YARD/GRASS AREAS MUST BE STABILIZED WITH PERMANENT SEEDING MEASURES.
 - SEE SHEET FOR C502 FOR GENERAL SEEDING AND SURFACE STABILIZATION PROCEDURES.
 - CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ADDITIONAL EROSION CONTROL MEASURES TO REQUEST OF LOCAL AND/OR STATE STORMWATER AND EROSION CONTROL INSPECTORS.
 - SPOILS TO BE REMOVED FROM SITE, CONTRACTOR TO DETERMINE LOCATION AND COORDINATE WITH THE LOCAL EROSION CONTROL AUTHORITY.
 - CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE PROJECT SITE.
 - SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN RECEIVING WATER. NO STORMWATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
 - WASTE AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE STORMWATER RUNOFF. PROPER DISPOSAL OF ALL WASTE AND UNUSED BUILDING MATERIALS IS REQUIRED.
 - PRIOR TO COMPLETION OF THIS PROJECT, CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE STRUCTURES AND RESTORE ALL DITCHES AND BASINS TO DESIGNED GRADES.

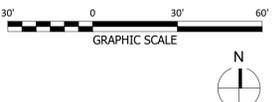
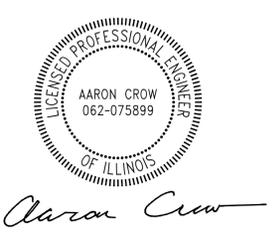
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 - ALL OPEN GRATE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS. STRAW BALES SHALL NOT BE USED.
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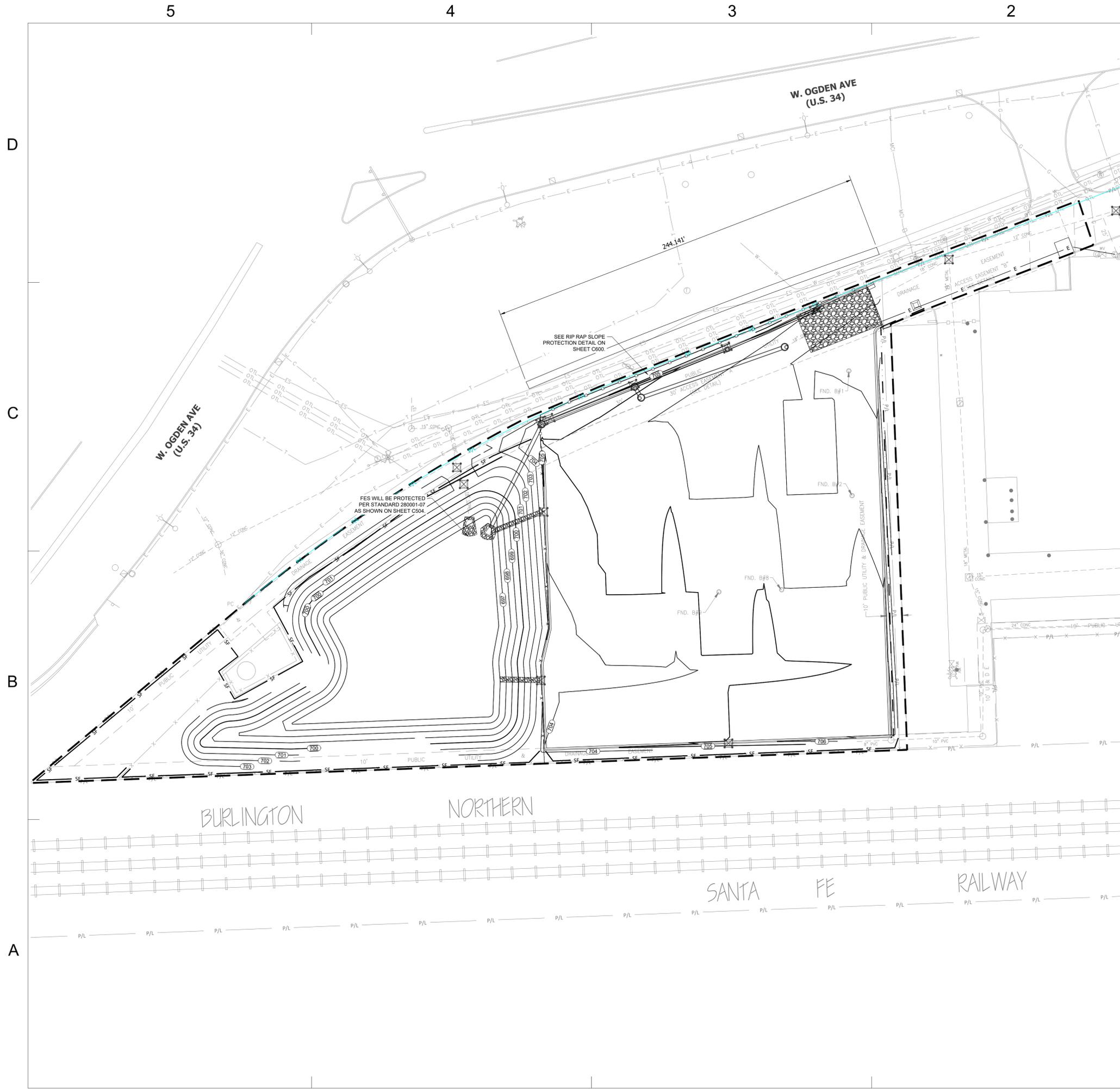
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Project #: 23-700-300-1
 Designed By: MDL
 Drawn By: RLH
 Checked By: ALC
 Date: 12.30.2024



PRE-CONSTRUCTION
 EROSION CONTROL PLAN
C500



EROSION CONTROL PLAN LEGEND

	P/L	PROPERTY LINE
		PROPOSED CONSTRUCTION LIMITS
	SF	SILT FENCE
		SILT WORM BARRIER
		REVETMENT RIPRAP
		CONCRETE WASHOUT
		DROP BAG INLET PROTECTION

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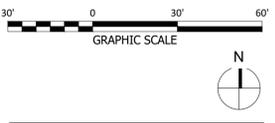
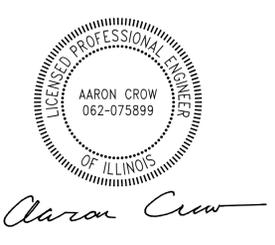
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PERMIT SET
 EXTRA SPACE STORAGE, INC.
ESS NAPERVILLE
STORAGE #1259
 1432 W OGDEN AVE. NAPERVILLE, IL 60563

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2	CITY REVIEW COMMENTS	08/22/24
3	CITY REVIEW COMMENTS	10/31/24
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Project #: 23-700-300-1
 Designed By: MDL
 Drawn By: RLH
 Checked By: ALC
 Date: 12.30.2024



CONSTRUCTION EROSION CONTROL PLAN

C501

5

4

3

2

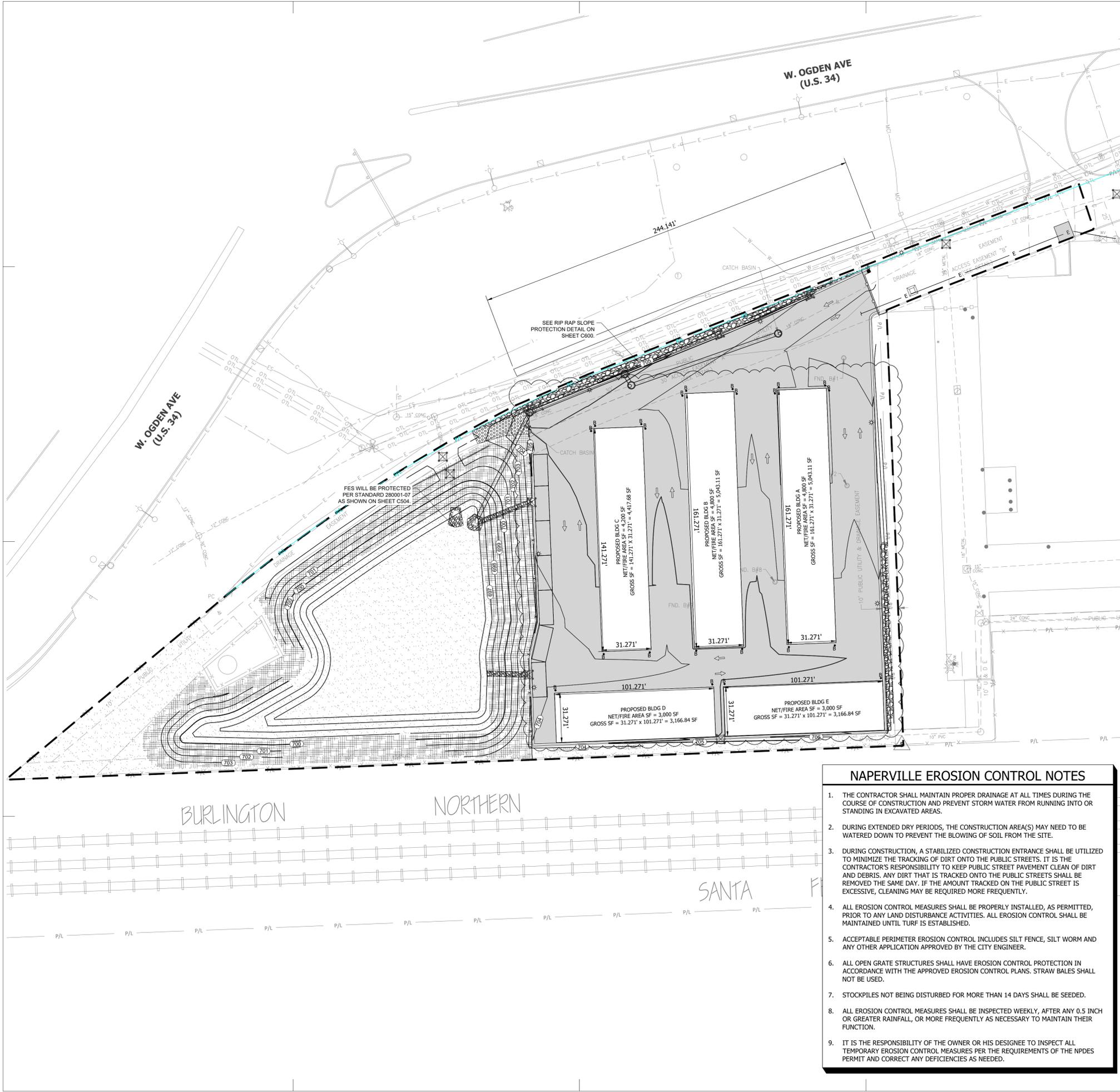
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EROSION CONTROL PLAN LEGEND

- P/L PROPERTY LINE
- PROPOSED CONSTRUCTION LIMITS
- SF SILT FENCE
- SILT WORM BARRIER
- ASPHALT PAVING
- PERMANENT SEEDING
- EROSION CONTROL MAT
- REVETMENT RIPRAP
- GRAVEL ACCESS DRIVE
- CONCRETE WASHOUT
- DROP BAG INLET PROTECTION

EROSION CONTROL PLAN NOTES

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NAPERVILLE EROSION CONTROL NOTES

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Aaron Crow

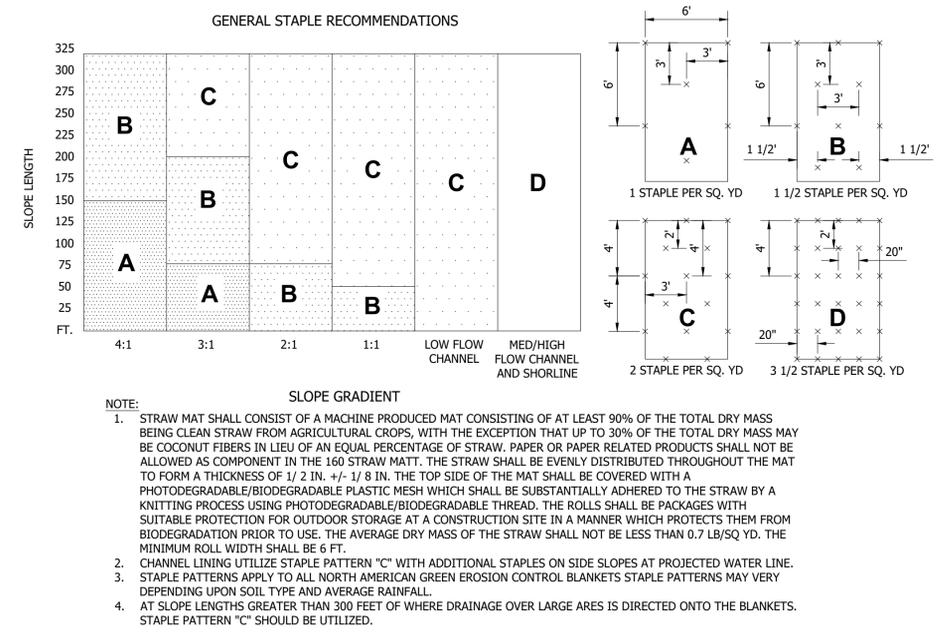


POST CONSTRUCTION
 EROSION CONTROL PLAN

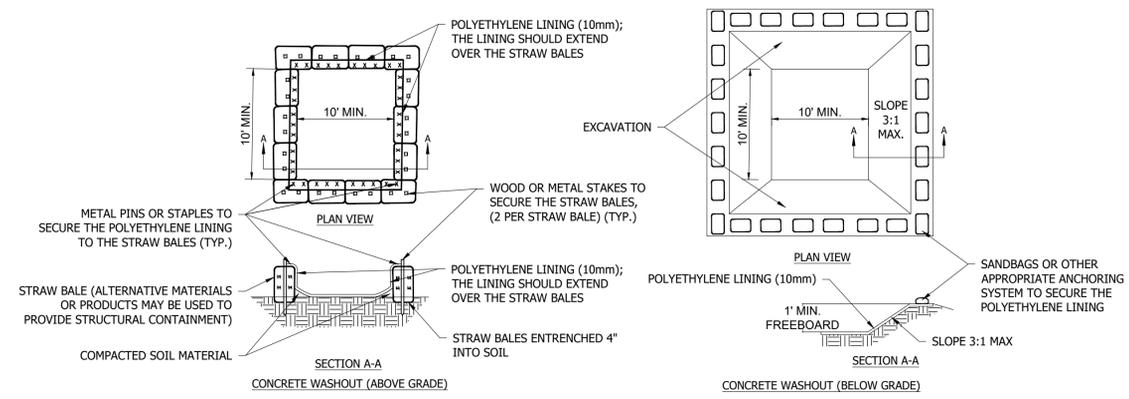
C502

#	Revision	Date
2	CITY REVIEW COMMENTS	08/22/24
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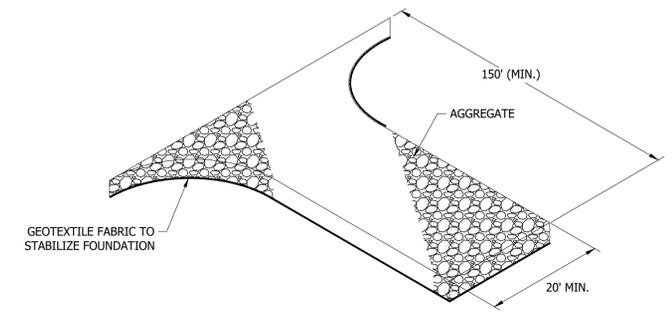


2 EROSION CONTROL MAT INSTALLATION GUIDE DETAIL
NOT TO SCALE



- INSTALLATION:**
- PREFABRICATED WASHOUT SYSTEMS/CONTAINERS:**
1. INSTALL AND LOCATE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- DESIGNED AND INSTALLED SYSTEMS:**
2. UTILIZE AND FOLLOW THE DESIGN IN THE STORM WATER POLLUTION PREVENTION PLAN TO INSTALL THE SYSTEM.
 3. DEPENDENT UPON THE TYPE OF SYSTEM, EITHER EXCAVATE THE PIT OR INSTALL THE CONTAINMENT SYSTEM.
 4. A BASE SHALL BE CONSTRUCTED AND PREPARED THAT IS FREE OF ROCKS AND OTHER DEBRIS THAT MAY CAUSE TEARS OR PUNCTURES IN THE POLYETHYLENE LINING.
 5. INSTALL THE POLYETHYLENE LINING. FOR EXCAVATED SYSTEMS, THE LINING SHOULD EXTEND OVER THE ENTIRE EXCAVATION. THE LINING FOR BERMED SYSTEMS SHOULD BE INSTALLED OVER THE POOLING AREA WITH ENOUGH MATERIAL TO EXTEND THE LINING OVER THE BERM OR CONTAINMENT SYSTEM. THE LINING SHOULD BE SECURED WITH PINS, STAPLES, OR OTHER FASTENERS.
 6. PLACE FLAGS, SAFETY FENCING, OR EQUIVALENT TO PROVIDE A BARRIER TO CONSTRUCTION EQUIPMENT AND OTHER TRAFFIC.
 7. PLACE A NON-COLLAPSING, NON-WATER HOLDING COVER OVER THE WASHOUT FACILITY PRIOR TO A PREDICTED RAINFALL EVENT TO PREVENT ACCUMULATION OF WATER AND POSSIBLE OVERFLOW OF THE SYSTEM (OPTIONAL).
 8. INSTALL SIGNAGE THAT IDENTIFIES CONCRETE WASHOUT AREAS.
 9. POST SIGNS DIRECTING CONTRACTORS AND SUPPLIERS TO DESIGNATED LOCATIONS.
 10. WHERE NECESSARY, PROVIDE STABLE INGRESS AND EGRESS OR ALTERNATIVE APPROACH PAD FOR CONCRETE WASHOUT SYSTEMS.
- MAINTENANCE:**
11. INSPECT DAILY AND AFTER EACH STORM EVENT.
 12. INSPECT THE INTEGRITY OF THE OVERALL STRUCTURE INCLUDING, WHERE APPLICABLE, THE CONTAINMENT SYSTEM.
 13. INSPECT THE SYSTEM FOR LEAKS, SPILLS, AND TRACKING OF SOIL BY EQUIPMENT.
 14. INSPECT THE POLYETHYLENE LINING FOR FAILURE, INCLUDING TEARS AND PUNCTURES.
 15. ONCE CONCRETE WASTES HARDEN, REMOVE AND DISPOSE OF THE MATERIAL.
 16. EXCESS CONCRETE SHOULD BE REMOVED WHEN THE WASHOUT SYSTEM REACHES 50 PERCENT OF THE DESIGN CAPACITY. USE OF THE SYSTEM SHOULD BE DISCONTINUED UNTIL APPROPRIATE MEASURES CAN BE INITIATED TO CLEAN THE STRUCTURE. PREFABRICATED SYSTEMS SHOULD ALSO UTILIZE THIS CRITERION, UNLESS THE MANUFACTURER HAS ALTERNATE SPECIFICATIONS.
 17. UPON REMOVAL OF THE SOLIDS, INSPECT THE STRUCTURE. REPAIR THE STRUCTURE AS NEEDED OR CONSTRUCT A NEW SYSTEM.
 18. DISPOSE OF ALL CONCRETE IN A LEGAL MANNER. REUSE THE MATERIAL ON SITE, RECYCLE, OR HAUL THE MATERIAL TO AN APPROVED CONSTRUCTION/DEMOLITION LANDFILL SITE. RECYCLING OF MATERIAL IS ENCOURAGED. THE WASTE MATERIAL CAN BE USED FOR MULTIPLE APPLICATIONS INCLUDING BUT NOT LIMITED TO ROADBEDS AND BUILDING. THE AVAILABILITY FOR RECYCLING SHOULD BE CHECKED LOCALLY.
 19. THE PLASTIC LINER SHOULD BE REPLACED AFTER EVERY CLEANING; THE REMOVAL OF MATERIAL WILL USUALLY DAMAGE THE LINING.
 20. THE CONCRETE WASHOUT SYSTEM SHOULD BE REPAIRED OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE.
 21. CONCRETE WASHOUT SYSTEMS ARE DESIGNED TO PROMOTE EVAPORATION. HOWEVER, IF THE LIQUIDS DO NOT EVAPORATE AND THE SYSTEM IS NEAR CAPACITY IT MAY BE NECESSARY TO VACUUM OR REMOVE THE LIQUIDS AND DISPOSE OF THEM IN AN ACCEPTABLE METHOD. DISPOSAL MAY BE ALLOWED AT THE LOCAL SANITARY SEWER AUTHORITY PROVIDED THEIR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMITS ALLOW FOR ACCEPTANCE OF THIS MATERIAL. ANOTHER OPTION WOULD BE TO UTILIZE A SECONDARY CONTAINMENT SYSTEM OR BASIN FOR FURTHER DEWATERING.
 22. PREFABRICATED UNITS ARE OFTEN PUMPED AND THE COMPANY SUPPLYING THE UNIT PROVIDES THIS SERVICE.
 23. INSPECT CONSTRUCTION ACTIVITIES ON A REGULAR BASIS TO ENSURE SUPPLIERS, CONTRACTORS, AND OTHERS ARE UTILIZING DESIGNATED WASHOUT AREAS. IF CONCRETE WASTE IS BEING DISPOSED OF IMPROPERLY, IDENTIFY THE VIOLATORS AND TAKE APPROPRIATE ACTION.
 24. WHEN CONCRETE WASHOUT SYSTEMS ARE NO LONGER REQUIRED, THE CONCRETE WASHOUT SYSTEMS SHALL BE CLOSED. DISPOSE OF ALL HARDENED CONCRETE AND OTHER MATERIALS USED TO CONSTRUCT THE SYSTEM.
 25. HOLES, DEPRESSIONS AND OTHER LAND DISTURBANCES ASSOCIATED WITH THE SYSTEM SHOULD BE BACKFILLED, GRADED, AND STABILIZED.

1 CONCRETE WASHOUT DETAIL
NOT TO SCALE



- INSTALLATION NOTES:**
1. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA.
 2. GRADE FOUNDATION AND CROWN FOR POSITIVE DRAINAGE. IF THE SLOPE OF THE CONSTRUCTION ENTRANCE IS TOWARD A PUBLIC ROAD AND EXCEEDS TWO PERCENT, CONSTRUCT AN EIGHT INCH HIGH DIVERSION RIDGE WITH A RATIO OF 3 TO-1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD.
 3. INSTALL A CULVERT PIPE UNDER THE PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.
 4. IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.
 5. PLACE AGGREGATE TO THE DIMENSIONS AND GRADE SHOWN IN THE CONSTRUCTION PLANS, LEAVING THE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
 6. TOP-DRESS THE FIRST 50 FEET ADJACENT TO THE PUBLIC ROADWAY WITH TWO TO THREE INCHES OF WASHED AGGREGATE [OPTIONAL, USED PRIMARILY WHERE THE PURPOSED OF THE PAD IS KEEP SOIL FROM ADHERING TO VEHICLE TIRES]
 7. WHERE POSSIBLE, DIVERT ALL STORM WATER RUNOFF AND DRAINAGE FROM THE INGRESS/EGRESS PAD TO A SEDIMENT TRAP OR BASIN.
- MAINTENANCE NOTES:**
1. INSPECT DAILY.
 2. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
 3. TOP DRESS WITH CLEAN AGGREGATE AS NEEDED.
 4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS.
 5. FLUSHING SHOULD ONLY BE USED IF THE WATER CAN BE CONVEYED INTO A SEDIMENT TRAP OR BASIN.

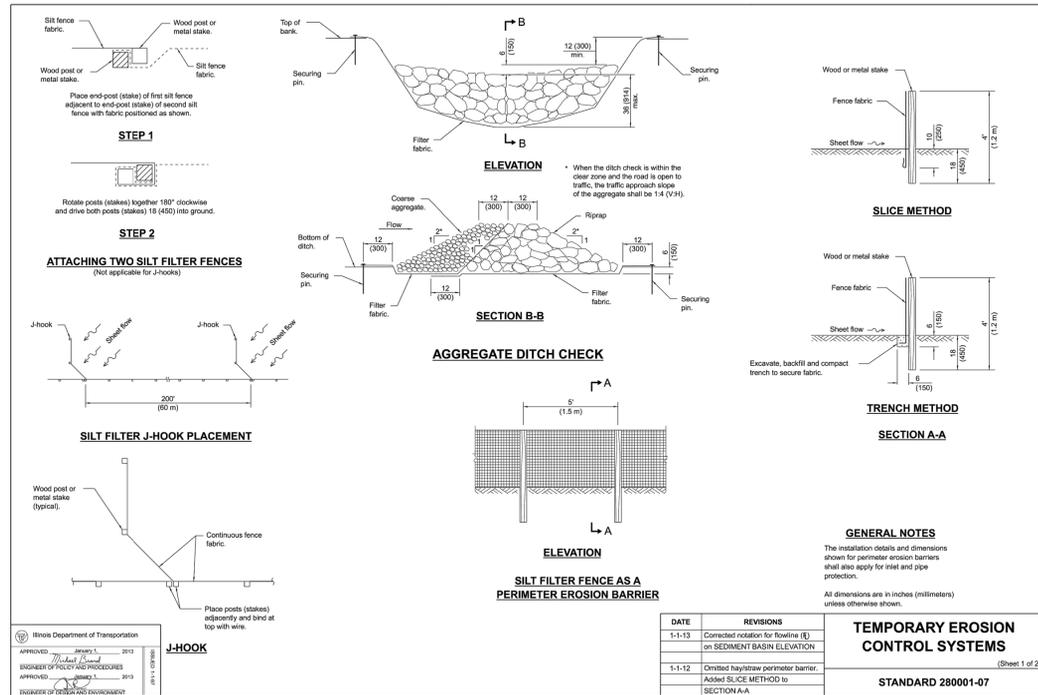
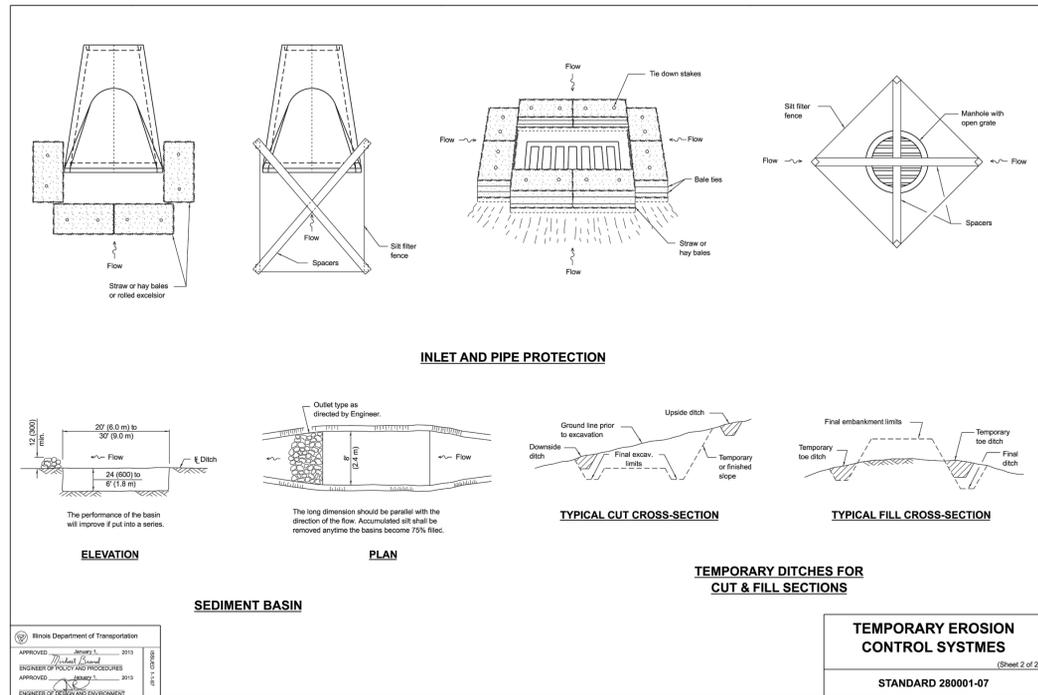
3 TEMPORARY CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

#	Revision	Date
2	CITY REVIEW COMMENTS	08/22/24
3	CITY REVIEW COMMENTS	10/31/24
4	CITY REVIEW COMMENTS	11/27/24
5	CITY REVIEW COMMENTS	12/30/24

Project #: 23-700-300-1
 Designed By: MDL
 Drawn By: RLH
 Checked By: ALC
 Date: 12.30.2024

LICENSED PROFESSIONAL ENGINEER
 OF ILLINOIS
 AARON CROW
 062-075899

Aaron Crow



DATE	REVISIONS
1-1-13	Corrected notation for flowline (E) on SEDIMENT BASIN ELEVATION.
1-1-12	Added hay/straw perimeter barrier.
	Added SLICE METHOD to SECTION A-A.

SITE NAME

The area scheduled for construction is known as "EXTRA SPACE STORAGE FACILITIES" (hereinafter referred to as the "Project")

PROJECT LOCATION

The project is located in NAPERVILLE, IL and includes properties outside of the town's property line.

OWNER'S INFORMATION

Name: EXTRA SPACE STORAGE, INC.
Address: 2795 EAST COTTONWOOD PARKWAY, #400 SALT LAKE CITY, UTAH 84121
Contact: CLINT KLEPPE
Title: DISTRICT MANAGER
Email: CKLEPPE@EXTRASPACE.COM

OPERATOR'S INFORMATION

Name: N/A
Address: N/A
Contact: N/A
Title: N/A
Telephone: N/A

NOTICE OF INTENT

All parties defined as owners must submit a Notice of Intent (NOI) at least 48 hours prior to commencement of on-site construction activities. Submittal of late NOI's is not prohibited; however, authorization under the construction general permit is only for discharges that occur after permit coverage is granted. Un-permitted discharges may be subject to enforcement actions by the EPA. For the purposes of this permit, an owner is defined as any party meeting either of the following requirements:

- 1) The party has operational control over the construction plans and specifications, including the ability to make modifications to those plans and specifications.
- 2) The party has day-to-day operational control of those activities at a project that are necessary to ensure compliance with a stormwater pollution prevention plan for the site or other permit conditions.

A2 VICINITY MAP

Refer to the TITLE SHEET G001

A3 PROJECT NARRATIVE

The EXTRA SPACE STORAGE FACILITIES project involves building (5) Extra Space Storage Facilities.

A4 LATITUDE AND LONGITUDE

Latitude: 41°46'45.34" N Longitude: 88°10'56.71" W

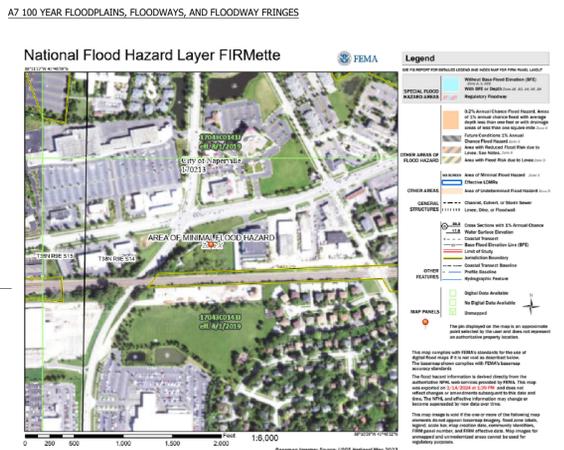
A5 LEGAL DESCRIPTION OF THE PROJECT SITE

Section: 14 Township: 38N Range: 9E Town: NAPERVILLE, IL

A6 11" x 17" PLAT

Refer to the DEMOLITION PLAN C100

A7 100 YEAR FLOODPLAINS, FLOODWAYS, AND FLOODWAY FRINGES



A8 ADJACENT LAND USE

N: B2 COMMERCIAL E: I1 INDUSTRIAL S: R3 HIGH DENSITY RESIDENTIAL W: B3

A9 IDENTIFICATION OF US EPA APPROVED OR ESTABLISHED TMDL

NONE

A10 IDENTIFICATION OF ALL RECEIVING WATERS

NONE

A11 303(g) WATERWAYS - RECEIVING WATERS

NONE

A12 SOILS MAP INCLUDING SOIL DESCRIPTION AND LIMITATIONS

The on-site soil will be treated as recommended by the geotechnical engineer if the conditions are unsuitable for the proposed construction.
Drummer silt clay loam, 0 to 2 percent slopes
Varna silt loam, 2 to 4 percent slopes



A13 LOCATION AND NAME OF ALL WETLANDS, LAKES, AND WATERCOURSES ON AND ADJACENT TO THE SITE

XX runs through the X side of town. There are no ponds and stormwater detention reservoirs outside the project limits.

A14 STATE AND FEDERAL WATER QUALITY PERMITS

None

A15 IDENTIFICATION OF EXISTING VEGETATIVE COVER

Approximate areas of existing vegetative cover are as shown on the DEMOLITION PLAN.

A16 EXISTING SITE TOPOGRAPHY

Refer to sheets C100.

A17 LOCATIONS WHERE RUN-OFF ENTERS PROJECT SITE

Run-off enters and exits sites of work via sheet flow toward existing storm ditches and drains throughout town. All stormwater eventually outfalls to the XX, which is approximately X miles X of town.

A18 LOCATIONS WHERE RUN-OFF DISCHARGES FROM THE PROJECT SITE PRIOR TO LAND DISTURBANCE

Run-off discharges from the project areas via a system of existing storm drainage ditches, culverts, inlets, and sewers as depicted on the plan set.

A19-A20 LOCATION OF ALL EXISTING STRUCTURES AND/OR RETENTION/DETENTION FACILITIES ON THE PROJECT SITE

Refer to DEMOLITION PLAN for existing site information.

A21 LOCATIONS WHERE STORMWATER MAY BE DIRECTLY DISCHARGED INTO GROUND WATER

None

A22-A23 PROJECT AREA AND LAND DISTURBANCE AREA

Approximate Project Area (acres): 3.20
Approximate Land Disturbance (acres): 3.20

A24 PROPOSED FINAL SITE TOPOGRAPHY

Refer to SITE PLAN and GRADING PLAN.

A25 LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS

Approximate boundaries of disturbed areas are as identified on the PRE-CONSTRUCTION EROSION CONTROL PLAN.

A26 LOCATION OF ALL PROPOSED STORMWATER SYSTEM ADDITIONS

The location, size, and dimension of each proposed inlet and pipe are shown on sheet C300 UTILITY PLAN. All existing components will be maintained.

A27 DISCHARGE LOCATIONS (STORMWATER AND NON-STORMWATER)

Stormwater discharge will leave the site via the existing 18" concrete storm pipe located on the north side of the property frontage. No wastewater discharge is proposed for this site.

A28 LOCATION OF PROPOSED IMPROVEMENTS

Refer to SITE PLAN, UTILITY PLAN and GRADING PLAN.

A29 LOCATION OF SOIL STOCKPILE AND BORROW AREAS

Refer to PRE-CONSTRUCTION EROSION CONTROL PLAN.

A30 LOCATIONS OF CONSTRUCTION SUPPORT ACTIVITIES

Staging areas and material storage areas are to be located near stockpile areas.

A31 LOCATION OF ANY IN-STREAM ACTIVITIES

N/A

B1 DESCRIPTION OF POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

The following potential pollutant sources may be associated with construction activities on site:

1. Material storage areas
2. Construction waste material
3. Fuel storage areas and fueling stations
4. Exposed soils
5. Leaking vehicles and equipment
6. Sanitary waste from temporary toilet facilities
7. Litter
8. Windblown dust
9. Soil tracking off site from construction equipment

The following materials may be staged or stored on site at various points during construction:

1. Structural fill
2. Pavement base stone
3. HDPE, PVC, RCP, or Ductile Iron Pipe
4. Precast concrete, HDPE, or PVC drainage and sanitary structures
5. Riprap

B2 STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS

Construction entrances will be in place prior to any site construction or demolition. Entrances are shown on the PRE-CONSTRUCTION EROSION CONTROL PLAN. Refer to the EROSION CONTROL DETAILS for details.

B3 TEMPORARY SURFACE STABILIZATION METHODS APPROPRIATE FOR EACH SEASON

Surface stabilization is required on any bare or thinly vegetated areas that is scheduled or likely to remain inactive for a period of 10 days or more. Refer to the Temporary Seeding Detail within the EROSION CONTROL DETAILS for specifics on soil amendments, seed mixtures, and mulching. The surface stabilization for the lots needs to be established as soon as possible to prevent dirt wash-out into the streets. If this is not possible, then silt fencing will need to be installed along the back of curbs.

PERMANENT SURFACE STABILIZATION SPECIFICATIONS

- 1.) Loosen lawn area to a minimum depth of 6 inches. Mix soil amendments and fertilizers with topsoil at rates specified. Organic soil amendments such as peat, compost, or manure shall be applied at 2" depth evenly over soil and incorporated into the top 6" of topsoil. Provide fertilizer with percentage of nitrogen required to provide not less than 1 pound of actual nitrogen per 1,000 square feet of lawn area and not less than 4 percent phosphoric acid and 2 percent potassium. At least 50 percent of nitrogen to be organic form. Delay mixing of fertilizer if planting will not follow placing of planting soil within a few days.
- 2.) Fertilizer for lawns: provide a fast release fertilizer with a composition of 11b per 1,000 square feet of actual nitrogen, 4 percent phosphorus, and 2 percent potassium by weight.
- 3.) Slow-release fertilizer for trees and shrubs: granular fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus and potassium made up of a composition by weight of 5 percent.
- 4.) Grade lawn and grass areas to a smooth, even surface with loose, uniformly fine texture. Limit fine grading to areas that can be planted within immediate future. Remove trash, debris, stones larger than 1 inch diameter, and other objects that may interfere with planting or maintenance operations. Sow seed using a spreader or seeding machine. Do not seed when wind velocity exceeds 5 miles per hour.
- 5.) Distribute seed evenly over entire area by sowing equal quantity in 2 directions at right angles to each other.
- 6.) Rake seed lightly into top 1/8 inch of soil, roll lightly, and water with a fine spray.
- 7.) Install erosion control blankets as indicated on the Erosion Control Plan.
- 8.) Protect seeded areas against erosion by spreading clean, seed-free straw mulch after completion of seeding operations. Spread uniformly to form a continuous blanket not less than 1-1/2 inches loose measurements over seeded areas.
- 9.) Water newly planted lawn areas and keep moist until new grass is established. Immediately repair any lawn areas disturbed by construction activities including tree and shrub installation.
- 10.) Refer to the Permanent Seeding Details within the Erosion Control Detail Sheet, for timing of permanent seeding, grass seed specifications and mulching specifications.

B4 SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS

Proposed swales will be stabilized with erosion control blankets. Straw bales and silt fences will not be allowed as concentrated flow protection measures. Refer to the PRE-CONSTRUCTION EROSION CONTROL PLAN for locations and the EROSION CONTROL DETAILS for details.

B5 SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS

Sheet flow areas will be protected by seed and mulch or hydroseeding. Erosion control blankets will be installed on sloped areas where the slope exceeds 1:1 (horizontal to vertical). Silt fencing will be utilized to prevent sedimentation from leaving the site. Refer to the PRE-CONSTRUCTION EROSION CONTROL PLAN for locations and the EROSION CONTROL DETAILS for details.

B6 RUNOFF CONTROL MEASURES

SILT FENCE, SILT WORM BARRIER, INLET DROP BAG PROTECTION, AND CONCRETE WASHOUT STATION.

B7 STORMWATER OUTLET PROTECTION MEASURES

SILT WORM BARRIER

B8 GRADE STABILIZATION STRUCTURE LOCATIONS

SEE SHEET C500

B9 DEWATERING APPLICATIONS AND MANAGEMENT METHODS

Dewatering must occur meeting the Specification 31 23 19 in the Project Manual and/or AWWA relevant standards.

B10 MEASURES UTILIZED FOR WORK WITHIN WATERBODIES

N/A

B14 MONITORING AND MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE

Inspection Schedule/Reporting

All impacted areas, as well as all erosion and sediment control devices, will be inspected every seven (7) calendar days and within 24 hours after a rainfall of 0.5 inch or greater. Where sites have been final or temporarily stabilized on sites where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), such inspections shall be conducted at least once every month.

Inspections shall be conducted and a written report prepared, by a designated and qualified person familiar with the USEPA NPDES Storm Water General Permit, this SWPPP, and the Project.

Inspection reports shall be completed including scope of the inspection, name(s) and qualifications of personnel making the inspection, the date of the inspection, observations relating to the implementation of the SWPPP, and any actions taken as a result of incidents of noncompliance noted during the inspection. The inspection report should state whether the site was in compliance or identify and incidents of noncompliance. The contractor shall keep a copy of the inspection reports on site and permanently for a period of two years following construction. The on-site reports may be requested by inspections conducted by the local governing authority.

Construction Entrance

Locations where vehicles exit the site shall be inspected for evidence of off-site sediment tracking. Each contractor and subcontractor shall be responsible for maintaining the Construction Entrance and other controls as described in this SWPPP.

Material Storage Inspections

Inspectors must evaluate areas used for storage of materials that are exposed to precipitation. The purpose is to ensure that materials are protected and/or impounded so that pollutants cannot discharge from storage areas. Off-site material storage areas used solely by the subject project are considered to be part of the project and must be included in the erosion control plans and site inspection reports.

Soil Stabilization Inspections

Seeded areas will be inspected to confirm that a healthy stand of vegetation is maintained. The site has achieved final stabilization once all areas are covered with pavement or have a stand of vegetation with at least 70% of the background vegetation density. The density of 70% or greater must be maintained to be considered as stabilized. The operator or their representative will water, fertilize, and reseed disturbed areas as needed to achieve this goal.

Erosion and Sediment Control Inspections

All controls shall be inspected at least once every seven (7) calendar days and following any storm event of 0.5 inch or greater. The following is a list of inspection/maintenance practices that will be used for specific controls:

1. Geotextiles/Erosion Control Mats: Missing or loose matting must be replaced or re-anchored.
2. Inlet Protection: If silt fence inlet protection is to be used, sediment should be removed when it reaches approximately one-half the height of the fence. If a sump is used, sediment should be removed when the volume of the basin is reduced by 50%.
3. Mulching: Inspect for thin or bare spots caused by natural decomposition or weather-related events. Mulch in high traffic areas should be replaced on a regular basis to maintain uniform protection.
4. Silt Fence: Removal of built-up sediment will occur when the sediment reaches one-third the height of the fence.
5. Stabilized Construction Entrances: Periodic re-grading and top dressing with additional stone.
6. Vegetation: Protect newly seeded areas from excessive runoff and traffic until vegetation is established. Establish a watering and fertilizing schedule.
7. Good Housekeeping: Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharge through screening of outfalls and daily pickup of litter. In the event that sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize adverse impacts. An example of this may be the situation where sediment has washed into the street and could be carried into the storm sewers by the next rainfall and/or pose a safety hazard to user of public street.

Modifications/Revisions to SWPPP

Based on inspection results, any necessary modification to this SWPPP shall be implemented within seven (7) calendar days of the inspection. A modification is necessary if it is necessary to install more control than was originally planned. For example, localized concentrations of surface runoff or unusually steep areas could require additional silt barrier or other structural controls. Assessing the need for and installing additional controls will be a continuing contractor/subcontractor responsibility until final stabilization is achieved. Contractors and subcontractors implementing this SWPPP must remain alert to the need to periodically refine and update this SWPPP in order to accomplish the intended goals.

Notice of Termination

Compliance of the site with the General Construction Permit remains the responsibility of all operators that have submitted an NOI until such time as they have submitted a Notice of Termination (NOT). The permittee's authorization to discharge under the General Construction Permit terminates at midnight of the day the NOT is signed.

All permittees must submit an NOT within thirty (30) days after one or more of the following conditions have been met:

1. Final stabilization has been achieved on all portions of the site for which the permittee was responsible.
2. Another operator/permittee has assumed control over all areas of the site that have not been finally stabilized.
3. In residential construction operations, temporary stabilization has been completed and the residence has been transferred to the homeowner.

B12 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND-DISTURBING ACTIVITIES

Pre-construction Activity

1. The exact locations of all existing utilities within the project limits are to be verified prior to construction.
2. Schedule pre-construction meeting with local stormwater authority 48 hours prior to start of construction.
3. Install protection fencing for existing trees to remain in place within the project limits

Construction Site Access

1. Install gravel construction entrance
2. Post the NOI and contact information at the construction entrance. NOI to remain posted for duration of the project.
3. Install construction staging pads, fueling station, material storage areas, concrete washout, construction parking areas, and stabilize construction routes

Perimeter Controls

1. Utilize the gravel construction entrance for installation of the perimeter silt fence. Add stone if needed.

Initial Land Clearing and Grading Activities

1. Add protection measures to existing inlets.
2. Strip the topsoil and stabilize the topsoil stockpile.

Secondary Land Grading Activities

1. Begin site grading/construction of detention basins (if applicable) and stabilize any soil stockpiles that will be left dormant for more than 10 days.
2. Complete the cut and fill on the site. Final grade and seed the pond slopes (if applicable). Stabilize slopes with erosion control blanket.
3. Install storm sewer system and install inlet protection immediately upon complete of the inlet and install rip-rap outlet protection prior to installing outfalls.

Surface Stabilization

1. Apply temporary seeding and stabilize slopes in areas where rough grading has been completed.
2. Apply permanent seeding and stabilize slopes in areas where final grading has been completed.

Building Construction

1. Prior to building construction install stone surface for paved areas.
2. Building pads left dormant for more than 10 days, must be temporarily seeded.
3. Start building construction. Install staging area for building materials and stabilize.

Final Shaping/Landscaping

1. Utilize topsoil salvage in applicable areas and apply permanent seeding.
2. Apply permanent seeding around the perimeter of the site.
3. Complete utility installation, curbs, paving, and building construction.
4. Install landscaping plant material and stabilize all disturbed areas.
5. Remove all erosion and sediment control practices when areas have a uniform grass cover

B13 EROSION AND SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS

The site is not currently subdivided; therefore the entire site is on this plan's PRE-CONSTRUCTION EROSION CONTROL PLAN.

B14-B15 MATERIAL HANDLING AND SPILL PREVENTION PLAN

Solid Waste Disposal

No solid material, including building materials, is permitted to be discharged to surface waters or buried on site. All solid waste materials, including disposable materials incidental to construction activity, must be collected in containers or closed dumpsters. The collection containers must be emptied periodically and the collected material hauled to a landfill permitted by the State and/or appropriate local municipality to accept the waste for disposal.

A foreman or supervisor should be designated in writing to oversee, enforce, and instruct construction workers on proper solid waste procedures.

Hazardous Waste

Whenever possible, minimize the use of hazardous materials and generation of hazardous wastes. All hazardous waste materials will be disposed in the manner specified by federal, state, or local regulations or by the manufacturer.

Use containment berms in fueling and maintenance areas and where potential for spills is high.

A foreman or supervisor should be designated in writing to oversee, enforce, and instruct construction workers on proper hazardous waste procedures. The location of any hazardous waste storage areas should be indicated on the stormwater pollution prevention plan by the operator following on-site location of the facility.

Dust Control/Off-Site Vehicle Tracking

During construction, water trucks should be used, as needed, by each contractor or subcontractor to reduce dust. After construction, the site should be stabilized to reduce dust.

Construction traffic should enter and exit the site at a Construction Entrance with a rock pad or equivalent device. The purpose of the rock pad is to minimize the amount of soil and mud that is tracked onto existing streets. If sediment escapes the construction site, off-site accumulations of sediment must be removed a frequency sufficient to minimize off-site impacts.

Sanitary/Septic

Contractors and subcontractors must comply with all state and local sanitary sewer, portable toilet, or septic system regulations. Sanitary facilities shall be provided at the site by each contractor or subcontractor throughout construction activities. The sanitary facilities should be utilized by all construction personnel and be serviced regularly. All expenses associated with providing sanitary facilities are the responsibility of the contractors and subcontractors. The location of any sanitary facilities should be indicated on the stormwater pollution prevention plan by the operator following on-site location of said facilities.

Water Source

Water used to establish and maintain grass, to control dust, and for other construction purposes must originate from a public water supply or private well approved by the State or local health department.

Equipment Fueling and Storage Areas

Equipment fueling, maintenance, and cleaning should only be completed in protected areas (i.e., bermed area). Leaking equipment and maintenance fluids will be collected and not allowed to discharge onto soil where they may be washed away during a rain event.

Equipment wash-down (except wheel washes) should take place within an area surrounded by a berm. The use of detergents is prohibited.

Hazardous Material Storage

Chemicals, paint, solvents, fertilizers, and other toxic or hazardous materials should be stored in their original containers (if original container is not resealable, store the products in a clearly labeled, waterproof container). Except during application, the containers should be kept in trucks or in bermed areas within covered storage facilities. Runoff containing such materials shall be collected, removed from the site, and disposed of in accordance with the federal state, and local regulators.

As may be required by federal, state or local regulations, the Contractor should have a Hazardous Materials Management Plan and/or Hazardous Materials Spill and Prevention Program in place. A foreman or supervisor should be designated in writing to oversee, enforce, and instruct construction workers on proper hazardous materials storage and handling procedures. The location of any hazardous material storage areas should be indicated on the stormwater pollution prevention plan by the operator following on-site location of the storage areas.

Material Handling and Spill Prevention

Discharge of hazardous substances or oil into stormwater is subject to reporting requirements. In the event of a spill of a hazardous substance, the operator is required to notify the National Response Center (1-800-424-8802) to properly report the spill. In addition, the operator shall submit a written description of the release (including the type and amount of material released, the date of the release, the circumstances of the release, and the steps to be taken to prevent future spill) to the local governing authority. The SWPPP must be revised within 14 calendar days after the release to reflect the release, stating the information above along with modifications minimize the possibility of future occurrences. Each contractor and subcontractor is responsible for complying with these reporting requirements.

Concrete Washout

All concrete trucks waste material shall be completely contained and disposed in accordance with all local, state, and federal regulations. A pit or container is required when cleaning concrete chutes.

Spill Response Plan

- Minor - Small spills that typically involve oil, gasoline, paint, hydraulic fluid, etc. can be controlled by the first responder at the discovery of the spill.
- Contain spill to prevent material from entering storm or groundwater. Do not flush with water or bury.
- Use absorbent material to clean-up spill material and any subsequently contaminated soil and dispose of properly.
- Semi-Significant Spills - Approximately ten gallons or less of pollutant with no contamination of ground or surface waters. Minor spills can be generally controlled by the first responder with help from other site personnel. This response may require other operations to stop to make sure the spill is quickly and safely addressed. At the discovery of the spill:
 - Contain spill to prevent material from entering storm or ground water. Do not flush with water or bury.
 - Use absorbent material to clean-up spills and dispose of properly. Spills on impervious surfaces should be disposed of as soon as possible to prevent migration deeper into the soil and groundwater. Dispose of contaminated soils or absorbents properly.
 - Contact 911 if the spill could be a safety issue
 - Contact supervisors and designated site inspectors, including M54 personnel, immediately.
 - Contaminated soils are to be removed to an approved landfill.
- Major or Hazardous Spills - More than ten gallons, there is the potential for death, injury or illness to humans or animals, or has the potential for surface or groundwater pollution.
- Control or contain the spill without risking bodily harm. Temporarily plug storm drains if possible to prevent migration of the spill into the stormwater system.
- Immediately contact the local Fire Department at 911 to report any hazardous materials, including M54 personnel, responsible for stormwater facilities should be contacted as well. The contractor is responsible for having these contact numbers available at the job site.
- A written report should be submitted to the owner as soon as possible.
- As soon as possible but within 2 hours of discovery, contact the local agency responsible for spill management. The following information should be noted for future reports to the agency:
 - Name, address and phone number of person making the spill report
 - The location of the spill
 - The time of the spill
 - Identification of the spilled substance
 - Approximate quantity of the substance that has been spilled or may be further spilled
 - The duration and source of the spill
 - Name and location of the damaged waters
 - Name of spill response organization
 - What measures were taken in the spill response
 - Other information that may be significant

Additional regulations or requirement may be present. A spill response professional should be consulted to make sure all appropriate and required steps have been taken. Contaminated solids should only be removed from the site after approval is given by the appropriate agency.

C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE

The proposed land use is for the construction of the EXTRA SPACE STORAGE FACILITIES Project which involves XXX. The pollutants and sources of each pollutant normally expected from the types of land use within the town are as follows:

Pollutant Source: Passenger vehicles, delivery vehicles.

Type of Pollutant: Oil, gasoline, diesel fuel, any hydrocarbon associated with vehicular fuels and lubricants, grease, antifreeze, windshield cleaner solution, brake fluid, dust, rubber, glass, metal and plastic fragments, grit, road de-icing materials.

Pollutant Source: Building

Type of Pollutant: Cleaning solutions or solvents, leaks from HVAC equipment, grit from roof drainage, aggregate or rubber fragments from roofing system.

Pollutant Source: Trash Dumpster

Type of Pollutant: Cleaning solutions or solvents, litter (paper, plastic, general refuse associated with distribution operations), uneaten food products, bacteria.

Pollutant Source: Parking Lot

Type of Pollutant: Any pollutant associated with vehicular sources, grit from asphalt wearing surface, bituminous compounds from periodic maintenance (sealing, resurfacing, and patching), pavement de-icing materials, paint fragments from parking stall striping, concrete fragments, wind-blown litter from off-site sources, elevated water temperatures from contact with impervious surfaces.

Pollutant Source: Lawn and Landscape Areas

Type of Pollutant: Fertilizers, soil, organic material (leaves, mulch, grass clippings)

D

C

STORM SEWER TRENCH SECTION IN PAVED AREAS

STORM 20

290.20

REVISED: 01/01/2013 SHEET 1 OF 1

City of Naperville STANDARD DETAIL

STORM SEWER TRENCH SECTION IN NON-PAVED AREAS

STORM 21

290.21

REVISED: 01/01/2013 SHEET 1 OF 1

City of Naperville STANDARD DETAIL

GRATING FOR CONCRETE FLARED END SECTION

STORM 22

290.22

REVISED: 01/01/2013 SHEET 1 OF 1

City of Naperville STANDARD DETAIL

UTILITY TRENCH PAVING SECTION (FLEXIBLE PAVEMENTS)

PAVEMENT 13

590.13

REVISED: 01/01/2013 SHEET 1 OF 1

City of Naperville STANDARD DETAIL

B

A

B6.12 BARRIER CURB & GUTTER

PAVEMENT 20

590.20

REVISED: 01/01/2013 SHEET 1 OF 1

City of Naperville STANDARD DETAIL

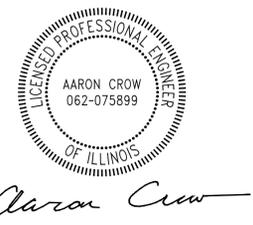
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2	CITY REVIEW COMMENTS	08/22/24
3	CITY REVIEW COMMENTS	10/31/24
4	CITY REVIEW COMMENTS	11/27/24
5	CITY REVIEW COMMENTS	12/30/24

Project #: 23-700-300-1
Designed By: MDL
Drawn By: RLH
Checked By: ALC
Date: 12.30.2024

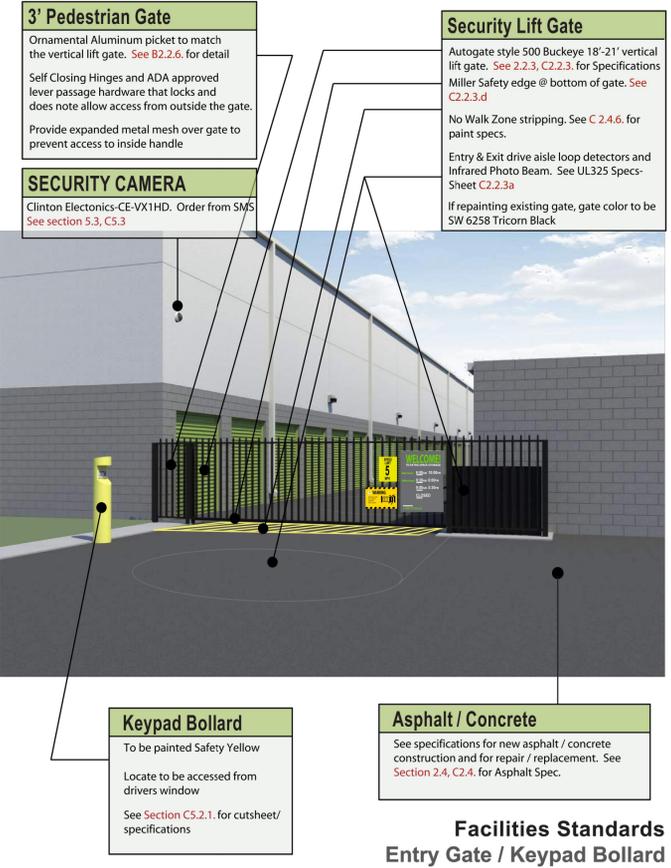
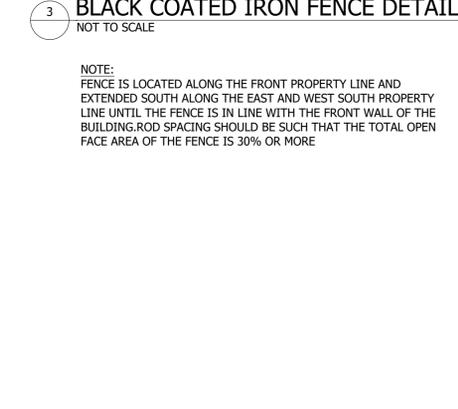
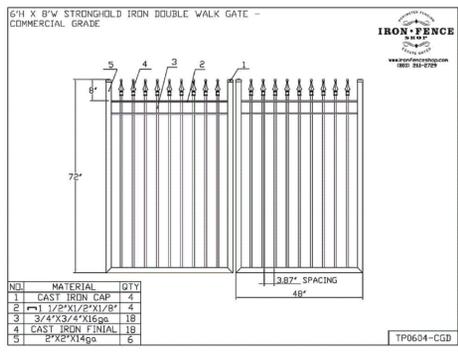
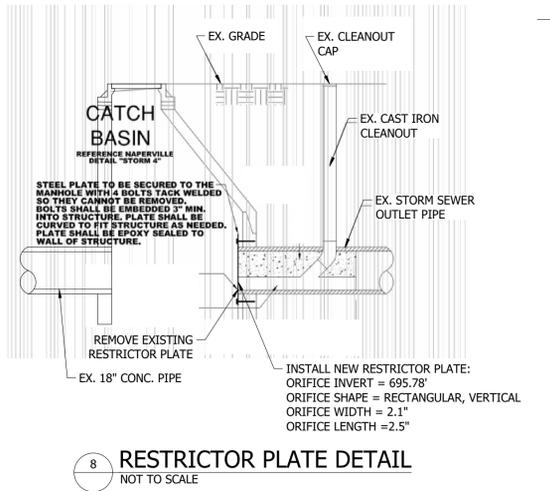
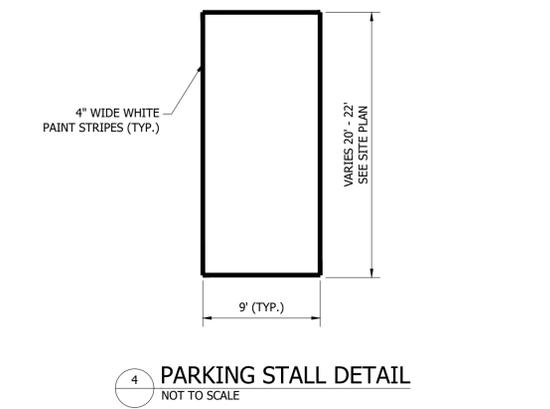
LICENSED PROFESSIONAL ENGINEER
AARON CROW
062-075899
OF ILLINOIS
Aaron Crow

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Aaron Crow



Extra Space Standards Manual 2023

concrete. Fencing shall sit six feet high. Galvanized nails or screws shall be used.

In more conspicuous areas, use vinyl, TREX, stucco or other aesthetically pleasing materials.

2.2.3 Vehicular Access Gate (Security Gate)

Design: Vertical Lift Gate (All new gates)
Gate system shall be Autogate style 500 Buckeye 18'-21' vertical lift, and must be UL-325 compliant. Provide Knox Box on vehicular gate where required by code. See C2.2.3 and D2.2.3 for vertical gate detail. No substitutions.

Provide Miller Edge on all gates. See C2.2.3d

Provide photo eye on all gates. See C2.2.3c

Alternate Design: If site conditions or code require-use alternate gates in drawings. See drawings and detail section.

See Section 5.2 for access software.

Barrier Arms: Not used for new construction. If repair cost exceeds the cost of removal, barrier arm is to be removed.

Alternate Design: (Maintenance and Repair)

Slide Gate (cantilever): Cold climate areas gate system shall be black aluminum cantilevered slide gate covered with black mesh. A minimum 20 ft. wide opening recommended; however, actual width will depend on space available and local fire department jurisdiction requirements. Total gate length shall be 150% of actual gate opening. Slide Gate. Gate operator shall be Elite SL-3000-1HP slide gate operator and must be UL-325 compliant. See C2.2.3.a. Provide Knox Box on vehicular gate and battery back-up where required by code. For cantilevered gate detail, See C2.2.3b

Slide Gate (V Track)-Warm climate areas: Gate system shall be black aluminum V Track enclosed roller slide gate covered with black mesh. A minimum 20 ft. wide opening recommended; however, actual width will depend on space available and local fire department jurisdiction requirements. Total gate length shall be 125% of actual gate opening. Gate operator shall be Elite SL-3000-1HP slide gate operator and must be UL-325 compliant. See C2.2.3.a. This gate system is not a good option for sites where snow blowing is required. Provide Knox Box on vehicular gate and battery back-up where required by code. For V Track detail, See C2.2.3b

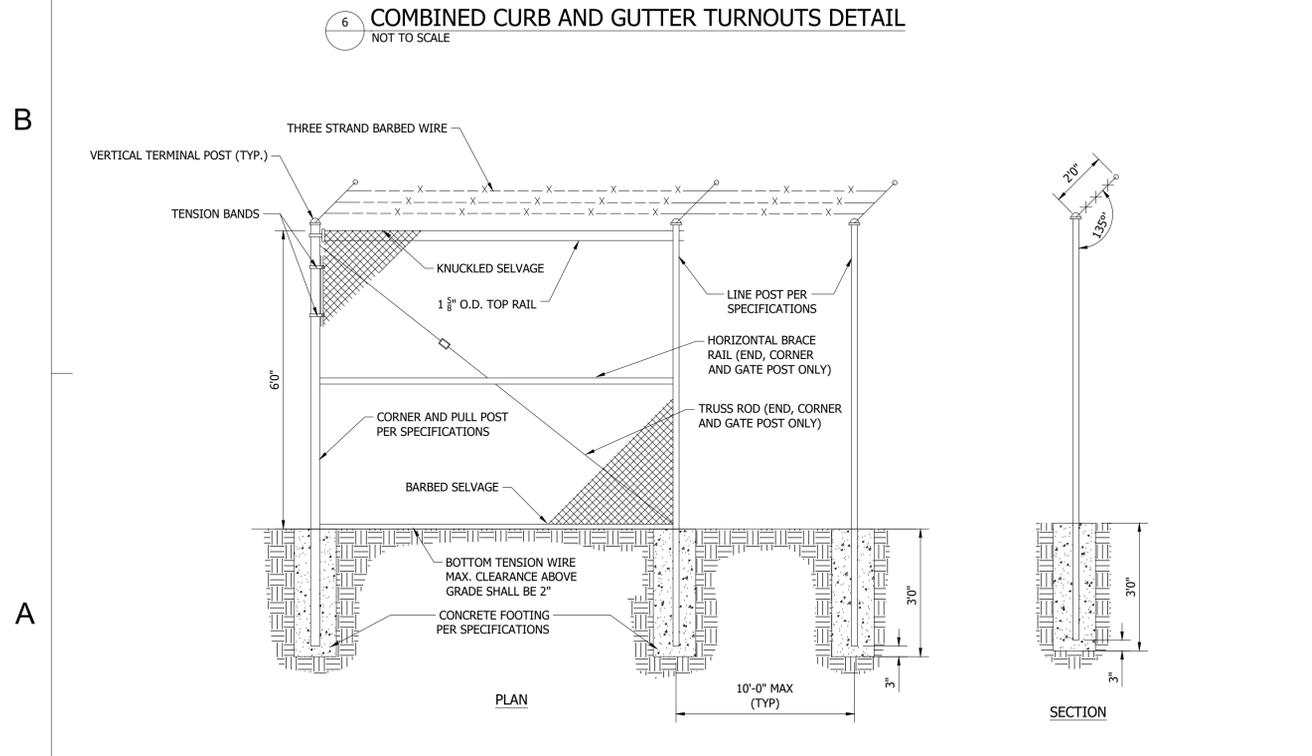
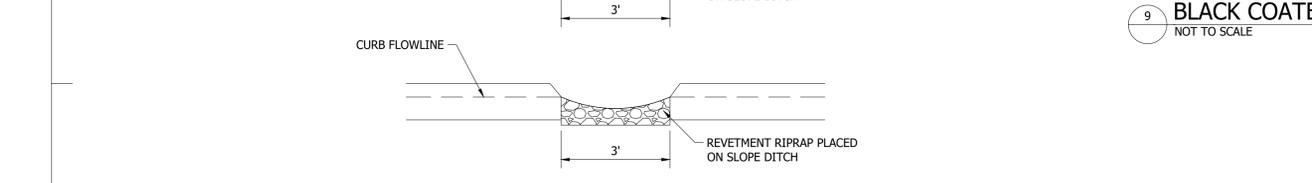
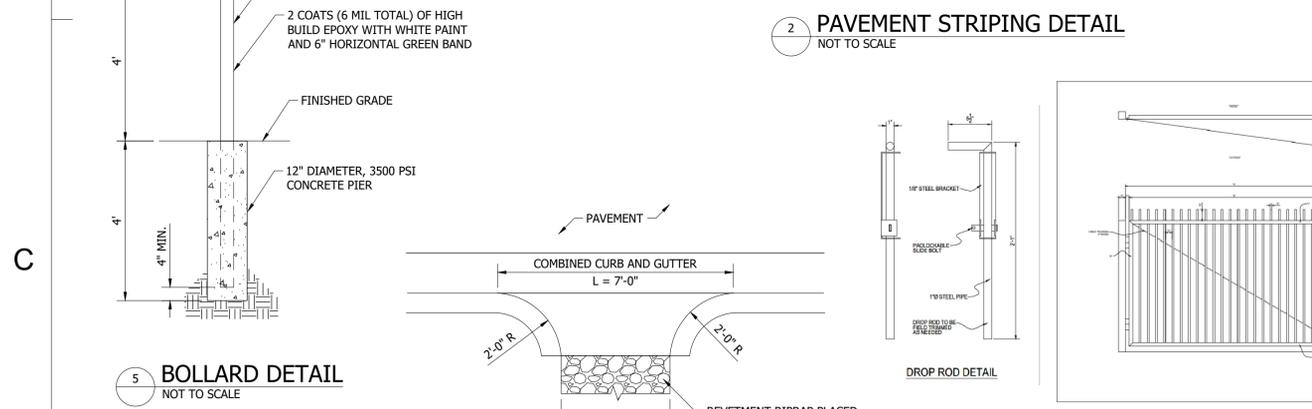
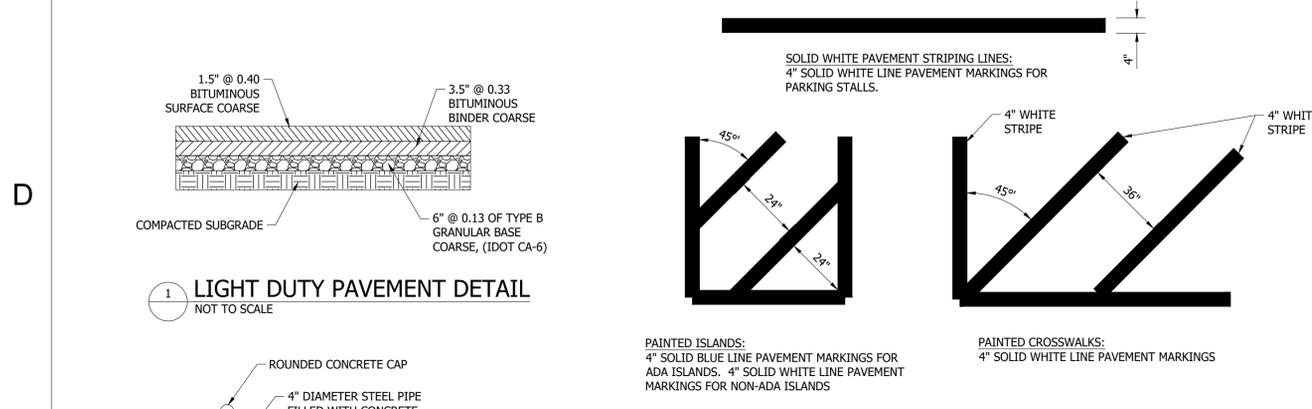
Existing ornamental iron/aluminum fences to be painted SW6258 Tricorn Black.

2.2.4 Secondary Access Gate

Locations: As required by site conditions and fire department requirements.

Design: Match adjacent fencing material for manually operated gate with a 12' opening. Preferred design is black vinyl coated chain-link, post, rails and components.

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7 BLACK COATED CHAIN LINK FENCE DETAIL NOT TO SCALE