

SITE IMPROVEMENT PLANS for **SADDLEWOOD S.C.**

4003 - 4083 ROUTE 59 NAPERVILLE, ILLINOIS

PROJECT NO:10576

CLIENT

LFI REAL ESTATE
9440 ENTERPRISE DRIVE
MOKENA, ILLINOIS

ARCHITECT

SOOS & ASSOCIATES, INC
105 SCHELTER ROAD
LINCOLNSHIRE, ILLINOIS
PHONE: 847 821 7667
FAX: 847 821 8570

**CALL J.U.L.I.E. 1-800-892-0123
WITH THE FOLLOWING:**

COUNTY: WILL
CITY, TOWNSHIP: NAPERVILLE, WHEATLAND
SEC. & ¼ SEC. NO.: NE 1/4 SEC. 16, T37N, R9E

**48 HOURS BEFORE YOU DIG.
EXCLUDING SAT., SUN. & HOLIDAYS**

BENCHMARK

ELEVATION:
DESCRIPTION: **SEE SHEET GN FOR
BENCHMARK INFORMATION**

NOTE:

SPACECO, INC. IS TO BE NOTIFIED AT LEAST
THREE (3) DAYS PRIOR TO STARTING CONSTRUCTION
AND SHALL BE INCLUDED IN THE PRECONSTRUCTION MEETINGS

REVISIONS

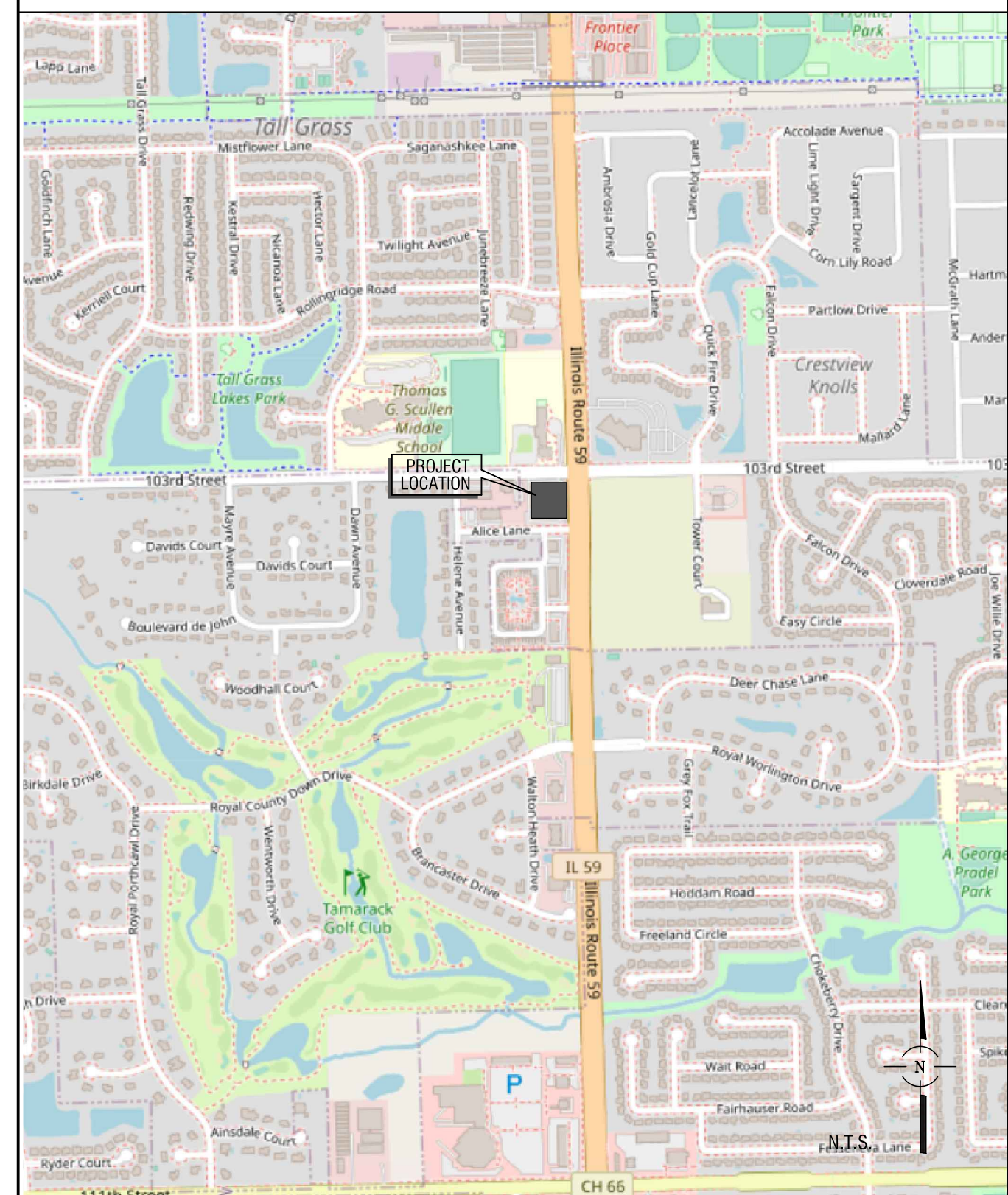
ORIGINAL PLAN DATE: JANUARY 19, 2023

#	SHEET #	REMARKS	DATE
1	2, 4-7, 13	PER CITY OF NAPERVILLE	03/10/23
2	5, 7	PER CITY OF NAPERVILLE	04/10/23

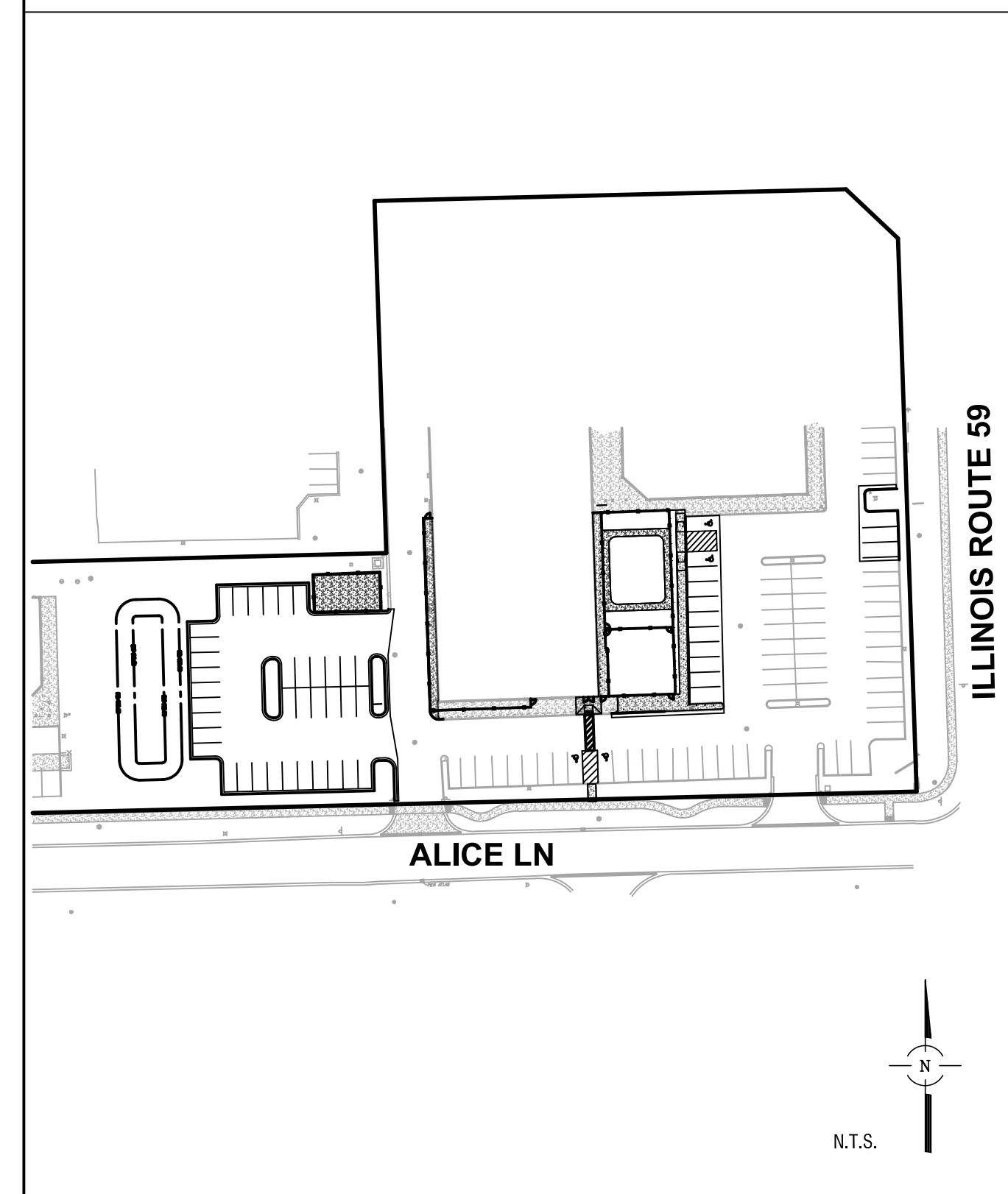
INDEX

SHEET #	SHEET I.D.	SHEET DESCRIPTION
1	C1	COVER SHEET
2	GN	TYPICAL SECTIONS AND GENERAL NOTES
3	ET	EXISTING CONDITIONS PLAN
4	DEMO	DEMOLITION PLAN
5	GM	GEOMETRIC PLAN
6	GR	GRADING PLAN
7	UT	UTILITY PLAN
8-10	SE1-SE3	SOIL EROSION AND SEDIMENT CONTROL PLANS
11	S1	SPECIFICATIONS
12-13	D1-D2	DETAILS

LOCATION MAP



KEY MAP



James C. Kapustiak ENGINEER
 JAMES C. KAPUSTIAK, P.E.
 ILLINOIS REGISTRATION NO.: 062-054942
 EXPIRATION DATE: 11/30/2023
 PROFESSIONAL DESIGN FIRM NO.: 184-001157
 EXPIRATION DATE: 04/30/2023
 THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER

DATE: 04/10/23

SPACECO INC.
 LICENSED PROFESSIONAL ENGINEER
 JAMES C. KAPUSTIAK
 NO. 062-054942
 ILLINOIS

FILENAME: 10576TITILE
 DATE: 01/19/23
 JOB NO. 10576
 SHEET C1

**SADDLEWOOD S.C.
4003 - 4083 ROUTE 59
NAPERVILLE, ILLINOIS**

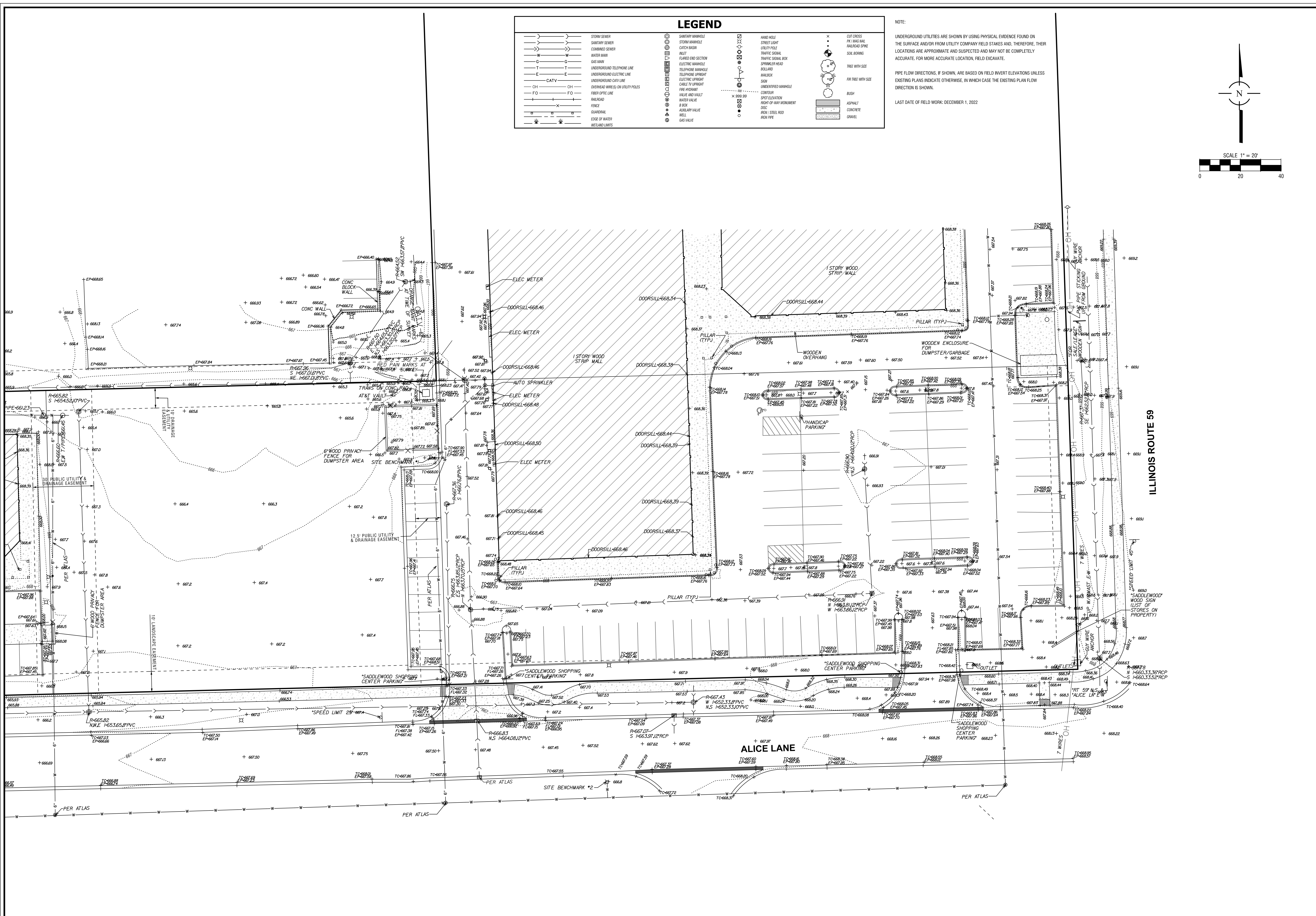
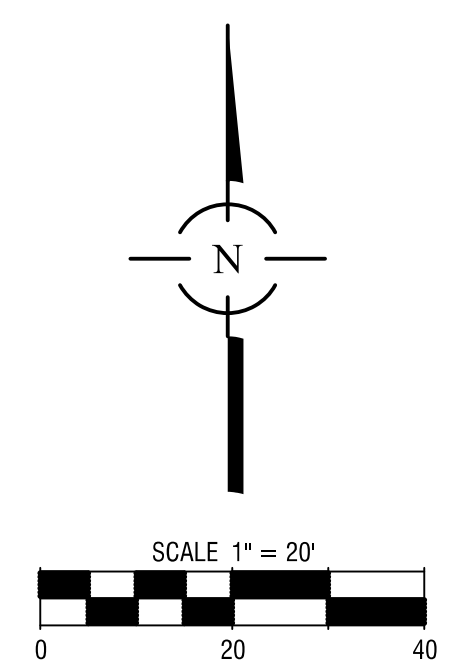
9575 W. Higgins Road, Suite 700, Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

**CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS**

SPACECO INC.
 FILENAME: 10576TITILE
 DATE: 01/19/23
 JOB NO. 10576
 SHEET C1
 1 OF 13

LEGEND							
	STORM SEWER		SANITARY MANHOLE		WIND HOLE		CUT CROSS
	SANITARY SEWER		STORM MANHOLE		STREET LIGHT		FLAG MARK
	COMBINED SEWER		CATCH BASIN		UTILITY POLE		RAILROAD SPIKE
	WATER MAIN		AILET		TRAFFIC SIGNAL		SOIL BORING
	GAS MAIN		FLARED END SECTION		ELECTRIC MANHOLE		SPRINKLER HEAD
	UNDERGRND TELEPHONE LINE		TELEPHONE MANHOLE		ROLLARD		MANHOLE SIGN
	UNDERGRND ELECTRIC LINE		TELEPHONE UPRIGHT		UNDERSIZED MANHOLE		TREE WITH SIZE
	UNDERGRND CATV LINE		CABLE TV UPRIGHT		SPOT ELEVATION		FIRE TREE WITH SIZE
	OVERHEAD WIRE(S) ON UTILITY POLES		FIRE HYDRANT		RIGHT OF WAY MONUMENT		BUSH
	FIBER OPTIC LINE		VALVE AND VALVE		DISC		ASPHALT
	RAILROAD		WATER VALVE		IRON STEEL ROD		CONCRETE
	FENCE		IRON PIPE		GRAVEL		
	ELEVATION						
	EDGE OF WATER						
	WETLAND LIMITS						

NOTE:
 UNDERGROUND UTILITIES ARE SHOWN BY USING PHYSICAL EVIDENCE FOUND ON THE SURFACE AND/OR FROM UTILITY COMPANY FIELD STAKES AND, THEREFORE, THEIR LOCATIONS ARE APPROXIMATE AND SUSPECTED AND MAY NOT BE COMPLETELY ACCURATE. FOR MORE ACCURATE LOCATION, FIELD EXCAVATE.
 PIPE FLOW DIRECTIONS, IF SHOWN, ARE BASED ON FIELD INVERT ELEVATIONS UNLESS EXISTING PLANS INDICATE OTHERWISE. IN WHICH CASE THE EXISTING PLAN FLOW DIRECTION IS SHOWN.
 LAST DATE OF FIELD WORK: DECEMBER 1, 2022



NO.	DATE	REMARKS

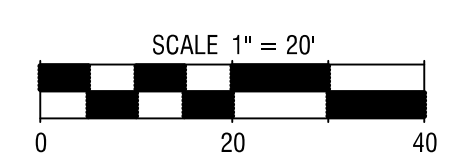
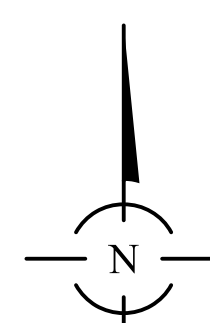
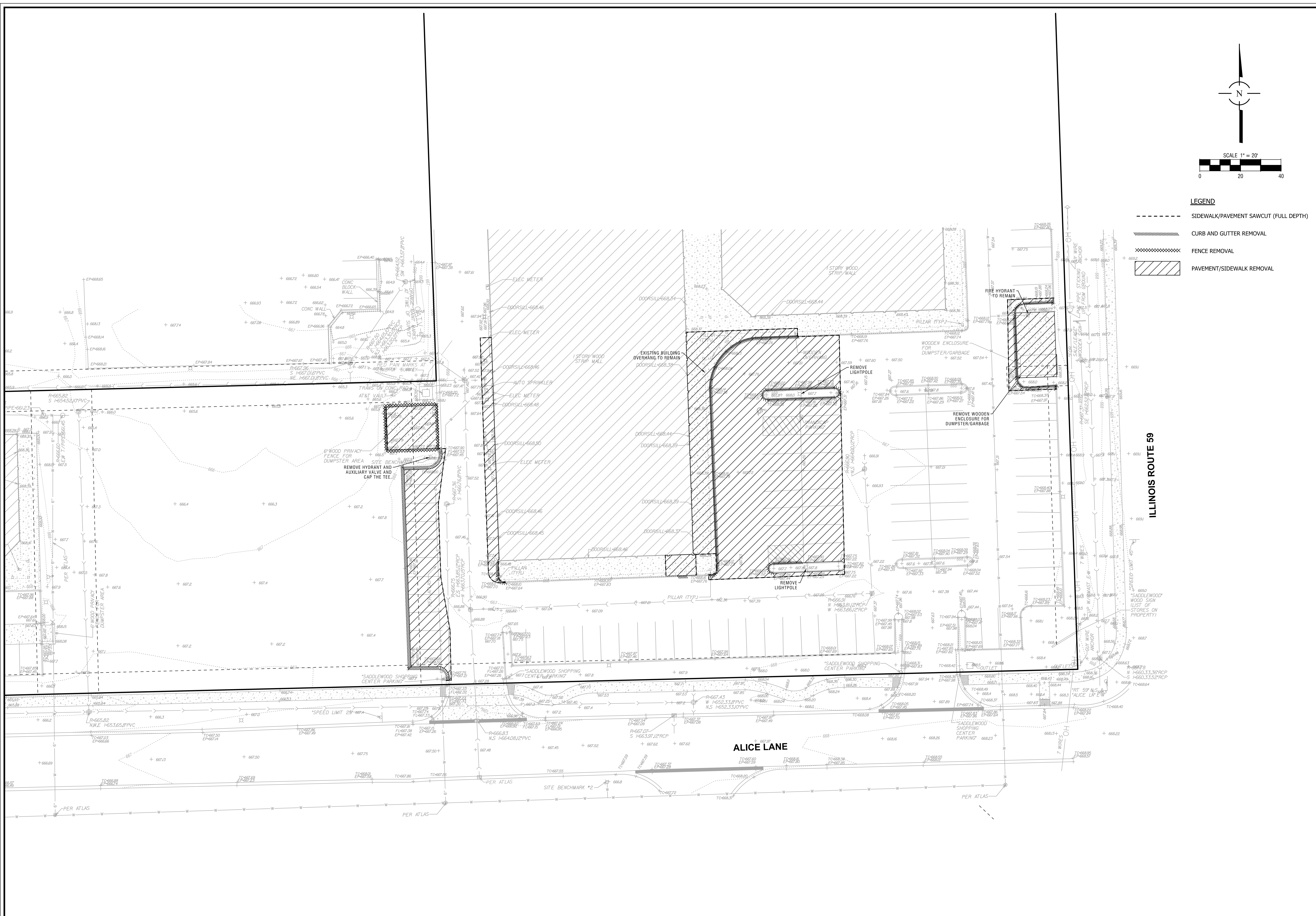
EXISTING CONDITIONS
SADDLEWOOD S.C.
 4003-4083 ROUTE 59
 NAPERVILLE, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (647) 696-0060 Fax: (647) 696-4065

SPACECO INC.

FILENAME: 10576ET	DATE: 01/19/23
JOB NO. 10576	SHEET
ET	
3 OF 13	



LEGEND

- SIDEWALK/PAVEMENT SAWCUT (FULL DEPTH)
- /////// CURB AND GUTTER REMOVAL
- xxxxxxx FENCE REMOVAL
- ||||| PAVEMENT/SIDEWALK REMOVAL

NO.	DATE	REMARKS

1	03/10/23	PER CITY OF NAPERVILLE
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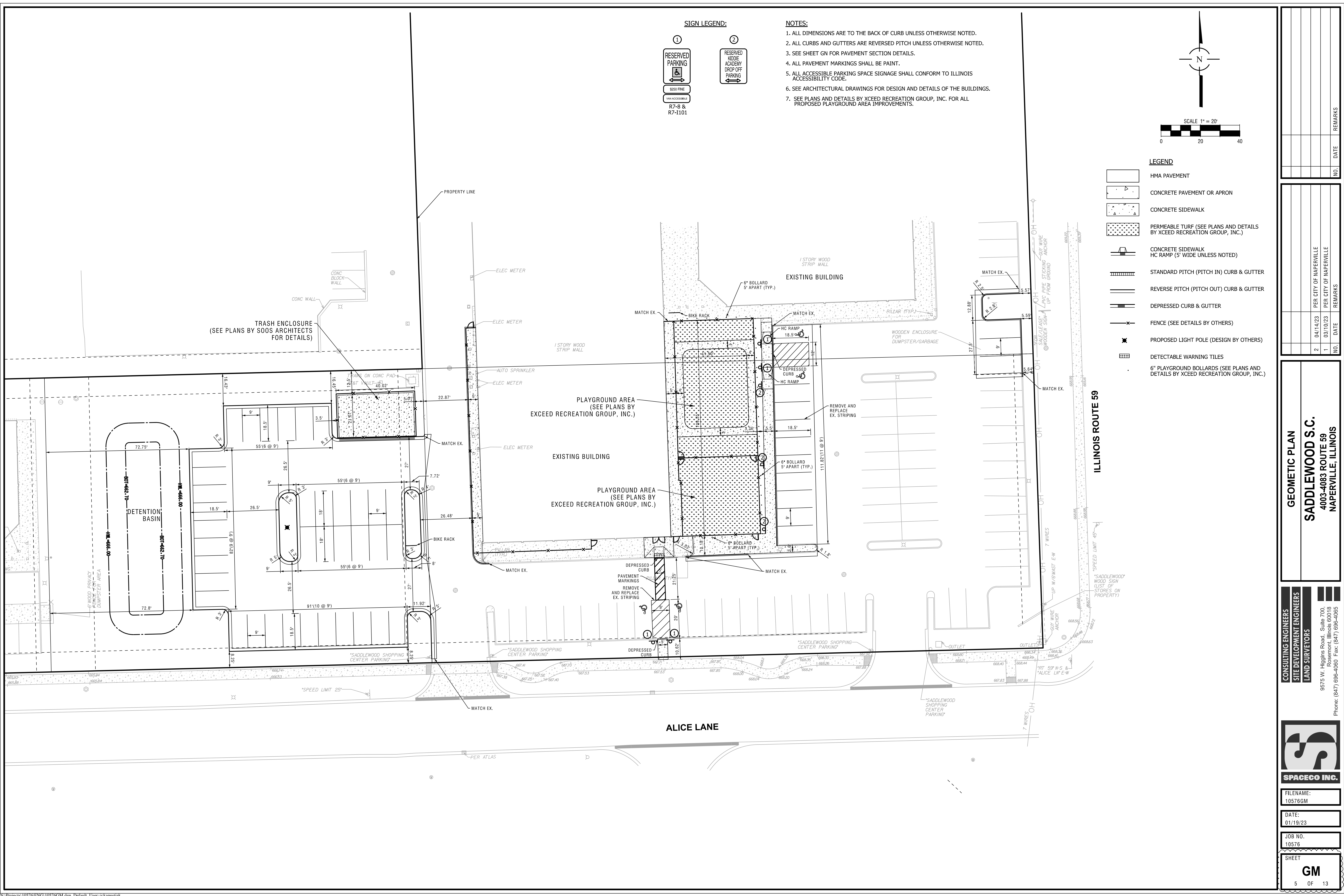
DEMOLITION PLAN
SADDLEWOOD S.C.
 4003-4083 ROUTE 59
 NAPERVILLE, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

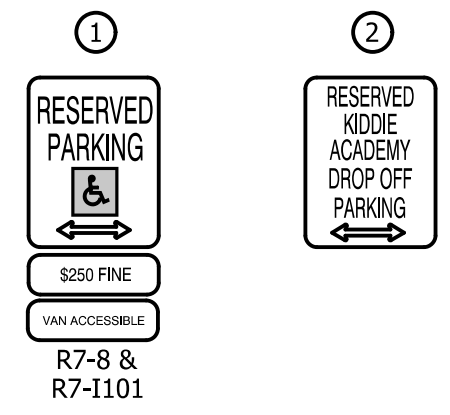
9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065



FILENAME:	10576DEMO
DATE:	01/19/23
JOB NO.	10576
SHEET	DEMO
	4 OF 13

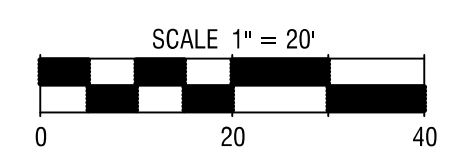
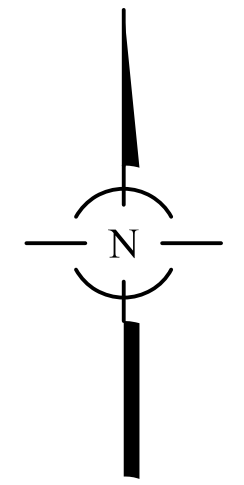


SIGN LEGEND:



NOTES:

1. ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL CURBS AND GUTTERS ARE REVERSED PITCH UNLESS OTHERWISE NOTED.
3. SEE SHEET GN FOR PAVEMENT SECTION DETAILS.
4. ALL PAVEMENT MARKINGS SHALL BE PAINT.
5. ALL ACCESSIBLE PARKING SPACE SIGNAGE SHALL CONFORM TO ILLINOIS ACCESSIBILITY CODE.
6. SEE ARCHITECTURAL DRAWINGS FOR DESIGN AND DETAILS OF THE BUILDINGS.
7. SEE PLANS AND DETAILS BY XCEED RECREATION GROUP, INC. FOR ALL PROPOSED PLAYGROUND AREA IMPROVEMENTS.



LEGEND

- HMA PAVEMENT
- CONCRETE PAVEMENT OR APRON
- CONCRETE SIDEWALK
- PERMEABLE TURF (SEE PLANS AND DETAILS BY XCEED RECREATION GROUP, INC.)
- CONCRETE SIDEWALK HC RAMP (5' WIDE UNLESS NOTED)
- STANDARD PITCH (PITCH IN) CURB & GUTTER
- REVERSE PITCH (PITCH OUT) CURB & GUTTER
- DEPRESSED CURB & GUTTER
- FENCE (SEE DETAILS BY OTHERS)
- PROPOSED LIGHT POLE (DESIGN BY OTHERS)
- DETECTABLE WARNING TILES
- 6" PLAYGROUND BOLLARDS (SEE PLANS AND DETAILS BY XCEED RECREATION GROUP, INC.)

NO.	DATE	REMARKS

NO.	DATE	REMARKS
2	04/14/23	PER CITY OF NAPERVILLE
1	03/10/23	PER CITY OF NAPERVILLE

GEOMETRIC PLAN
SADDLEWOOD S.C.
 4003-4083 ROUTE 59
 NAPERVILLE, ILLINOIS

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SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
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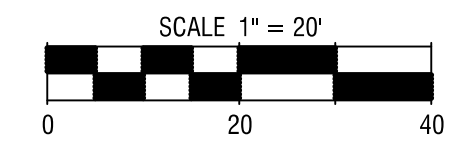
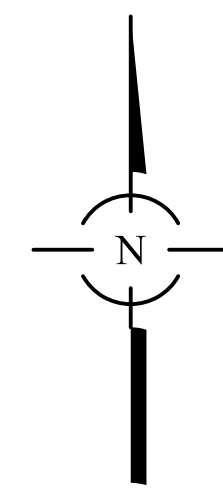
FILENAME:
10576GM

DATE:
01/19/23

JOB NO.
10576

SHEET

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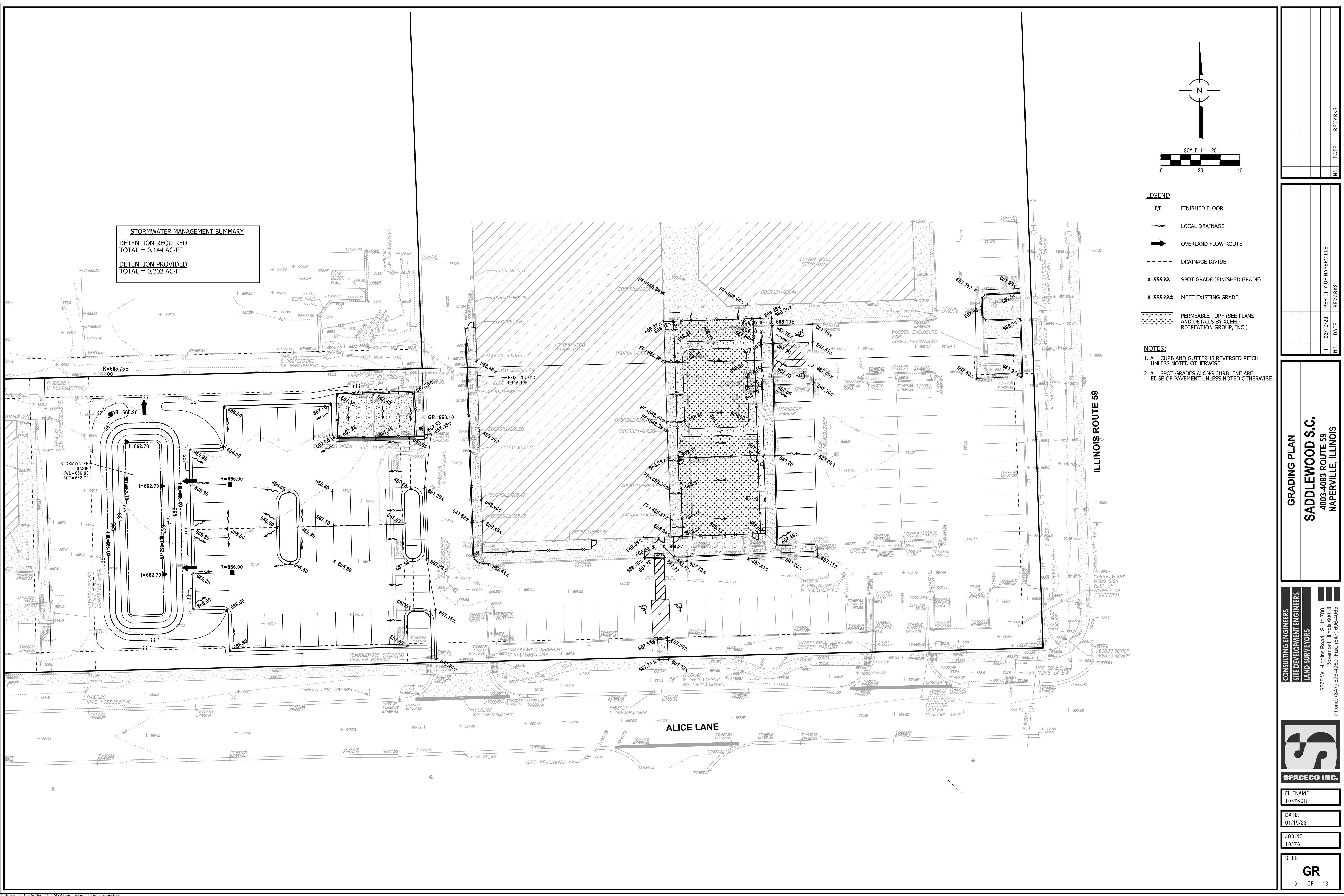
STORMWATER MANAGEMENT SUMMARY
 DETENTION REQUIRED
 TOTAL = 0.144 AC-FT
 DETENTION PROVIDED
 TOTAL = 0.202 AC-FT

LEGEND

- F/F FINISHED FLOOR
- LOCAL DRAINAGE
- OVERLAND FLOW ROUTE
- DRAINAGE DIVIDE
- x XXX.XX SPOT GRADE (FINISHED GRADE)
- x XXX.XX± MEET EXISTING GRADE
- PERMEABLE TURF (SEE PLANS AND DETAILS BY XCEED RECREATION GROUP, INC.)

NOTES:

1. ALL CURB AND GUTTER IS REVERSED PITCH UNLESS NOTED OTHERWISE.
2. ALL SPOT GRADES ALONG CURB LINE ARE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.



NO.	DATE	REMARKS

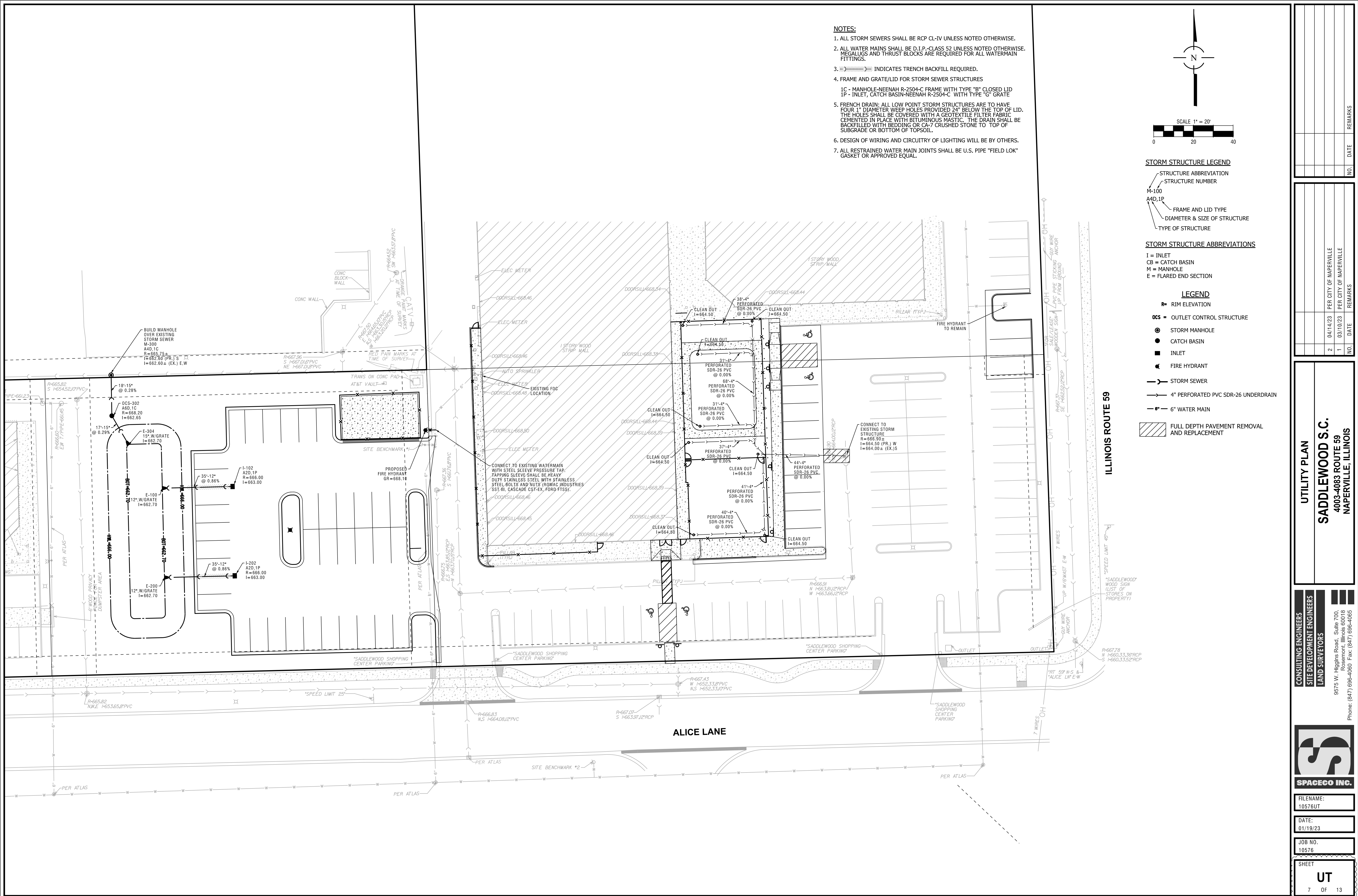
NO.	DATE	REMARKS
1	03/10/23	PER CITY OF NAPERVILLE

GRADING PLAN
SADDLEWOOD S.C.
 4003-4083 ROUTE 59
 NAPERVILLE, ILLINOIS

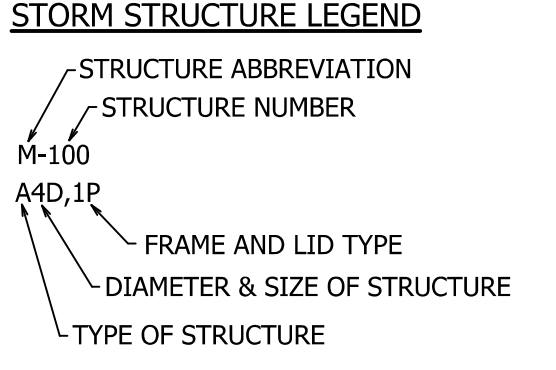
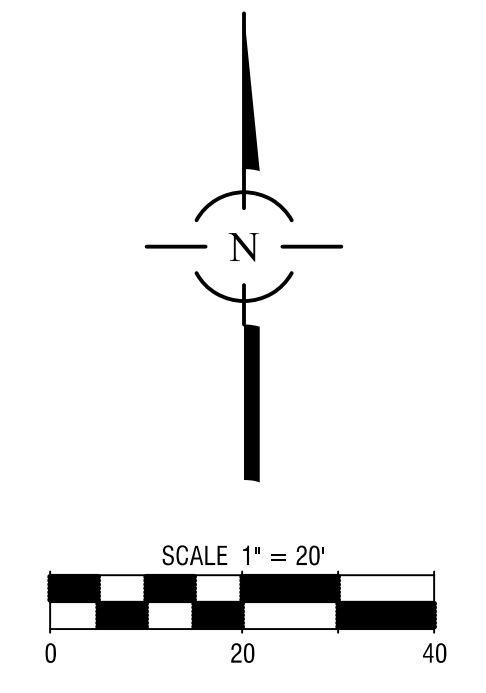
CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS
 9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065



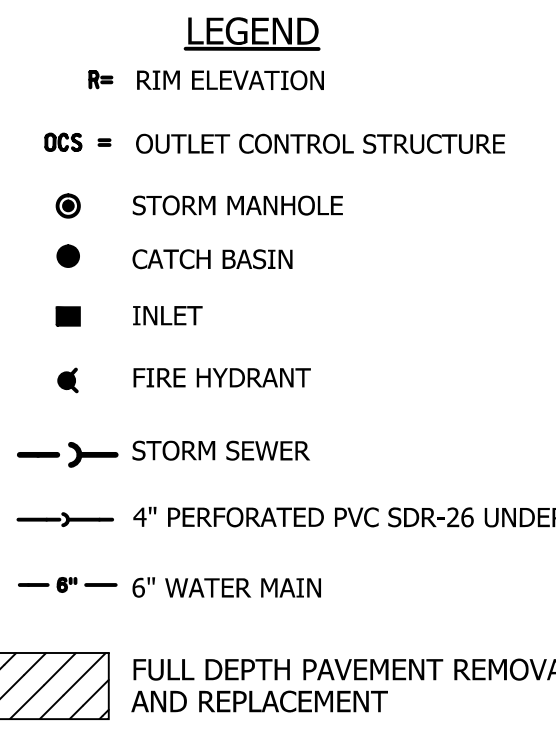
SPACECO INC.
 FILENAME:
 10576GR
 DATE:
 01/19/23
 JOB NO.
 10576
 SHEET
GR
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- NOTES:**
- ALL STORM SEWERS SHALL BE RCP CL-IV UNLESS NOTED OTHERWISE.
 - ALL WATER MAINS SHALL BE D.I.P.-CLASS 52 UNLESS NOTED OTHERWISE. MEGALUGS AND THRUST BLOCKS ARE REQUIRED FOR ALL WATERMAIN FITTINGS.
 - INDICATES TRENCH BACKFILL REQUIRED.
 - FRAME AND GRATE/LID FOR STORM SEWER STRUCTURES
1C - MANHOLE-NEENAH R-2504-C FRAME WITH TYPE "B" CLOSED LID
1P - INLET, CATCH BASIN-NEENAH R-2504-C WITH TYPE "G" GRATE
 - FRENCH DRAIN: ALL LOW POINT STORM STRUCTURES ARE TO HAVE FOUR 1" DIAMETER WEEP HOLES PROVIDED 24" BELOW THE TOP OF LID. THE HOLES SHALL BE COVERED WITH A GEOTEXTILE FILTER FABRIC CEMENTED IN PLACE WITH BITUMINOUS MASTIC. THE DRAIN SHALL BE BACKFILLED WITH BEDDING OR CA-7 CRUSHED STONE TO TOP OF SUBGRADE OR BOTTOM OF TOPSOIL.
 - DESIGN OF WIRING AND CIRCUITRY OF LIGHTING WILL BE BY OTHERS.
 - ALL RESTRAINED WATER MAIN JOINTS SHALL BE U.S. PIPE "FIELD LOK" GASKET OR APPROVED EQUAL.



- STORM STRUCTURE ABBREVIATIONS**
- I = INLET
 - CB = CATCH BASIN
 - M = MANHOLE
 - E = FLARED END SECTION



NO.	DATE	REMARKS

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2	04/14/23	PER CITY OF NAPERVILLE
1	03/10/23	PER CITY OF NAPERVILLE

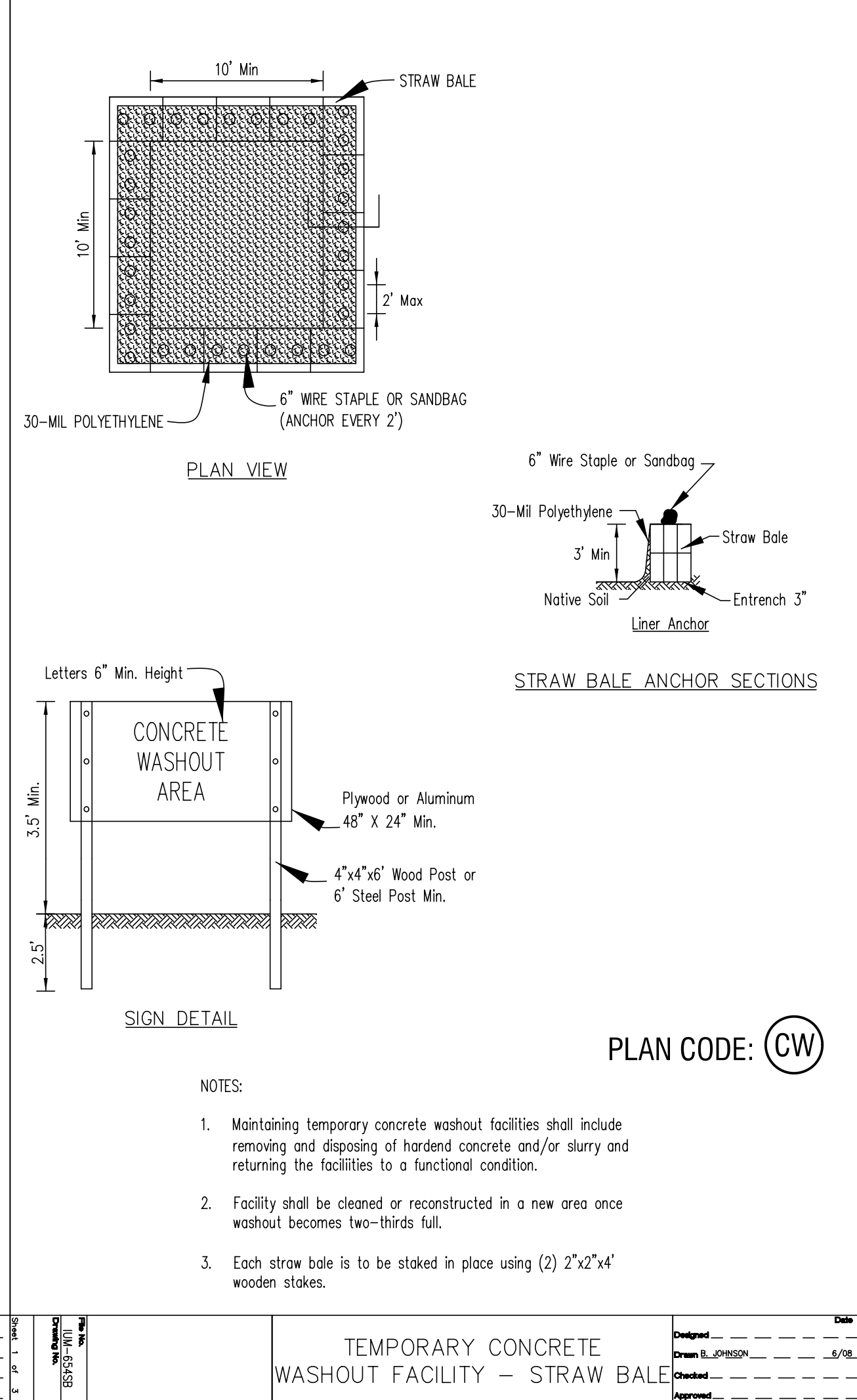
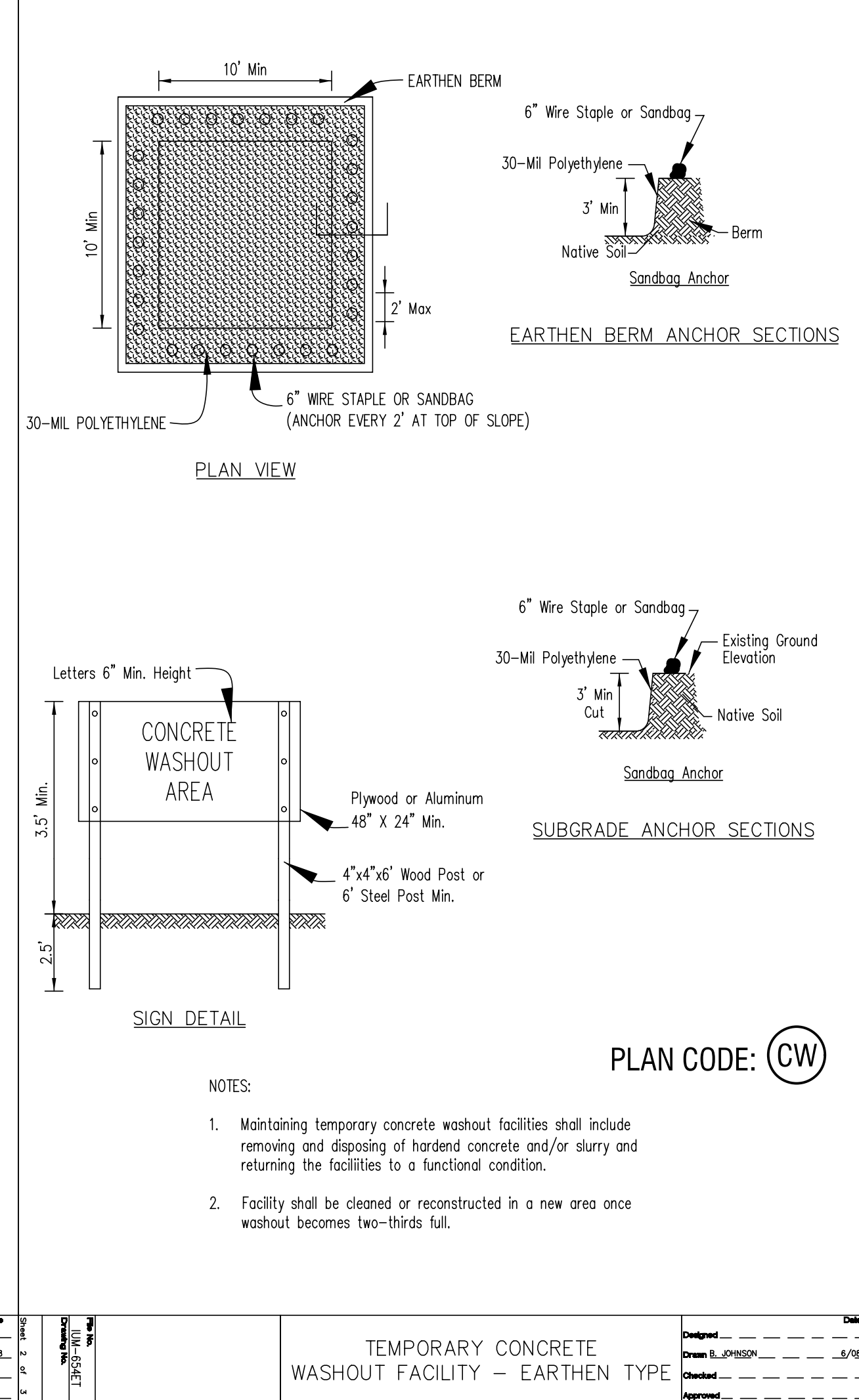
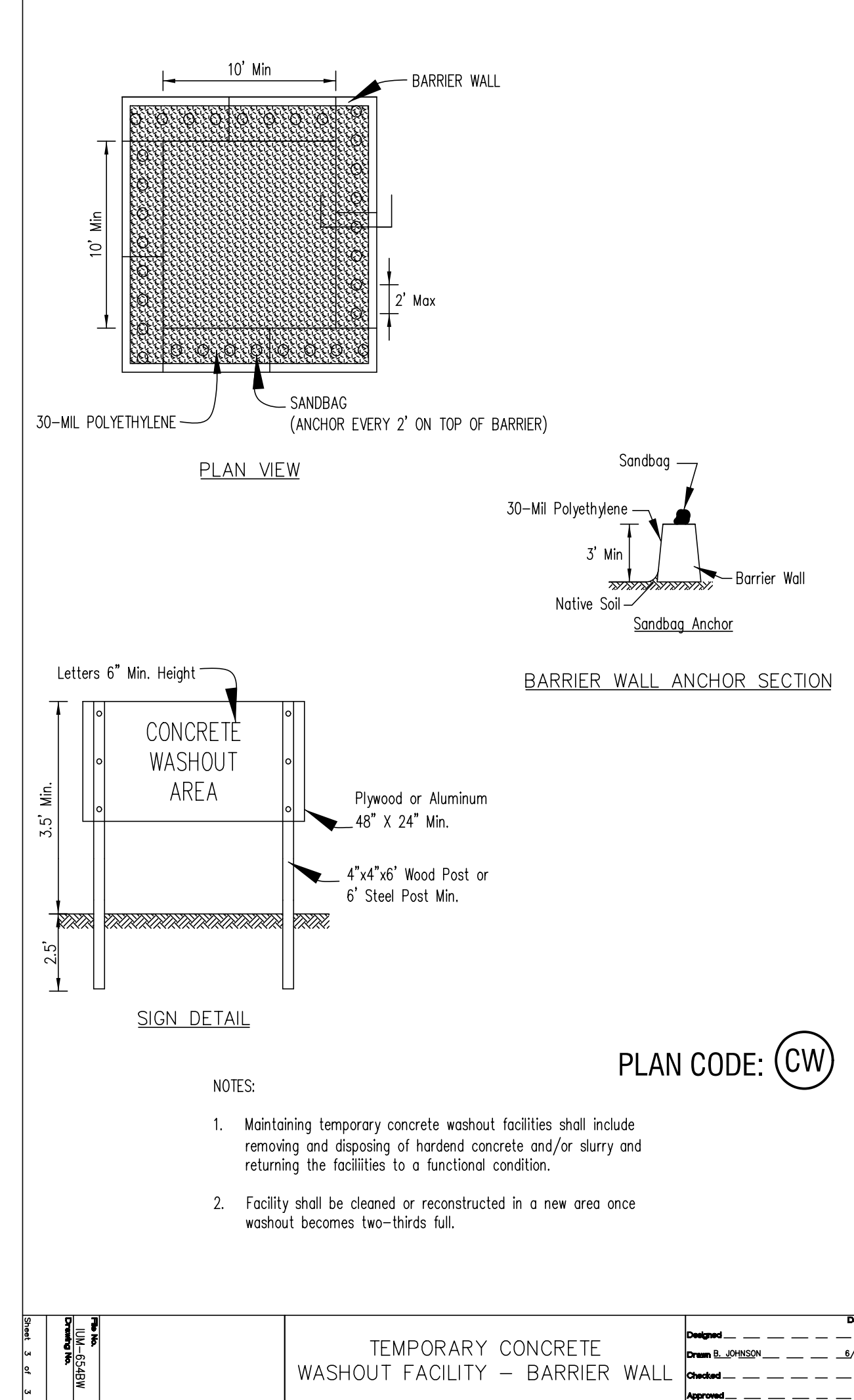
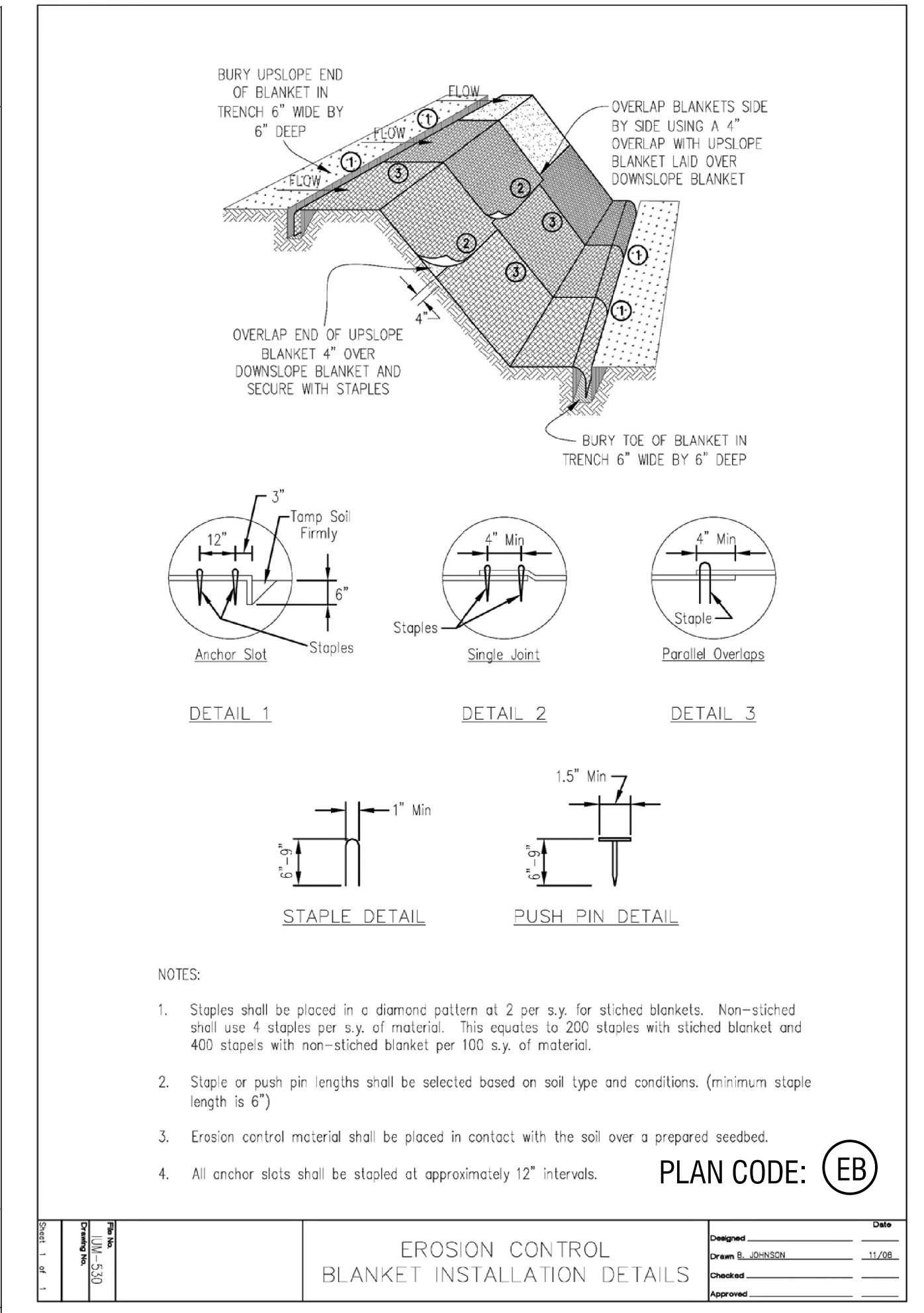
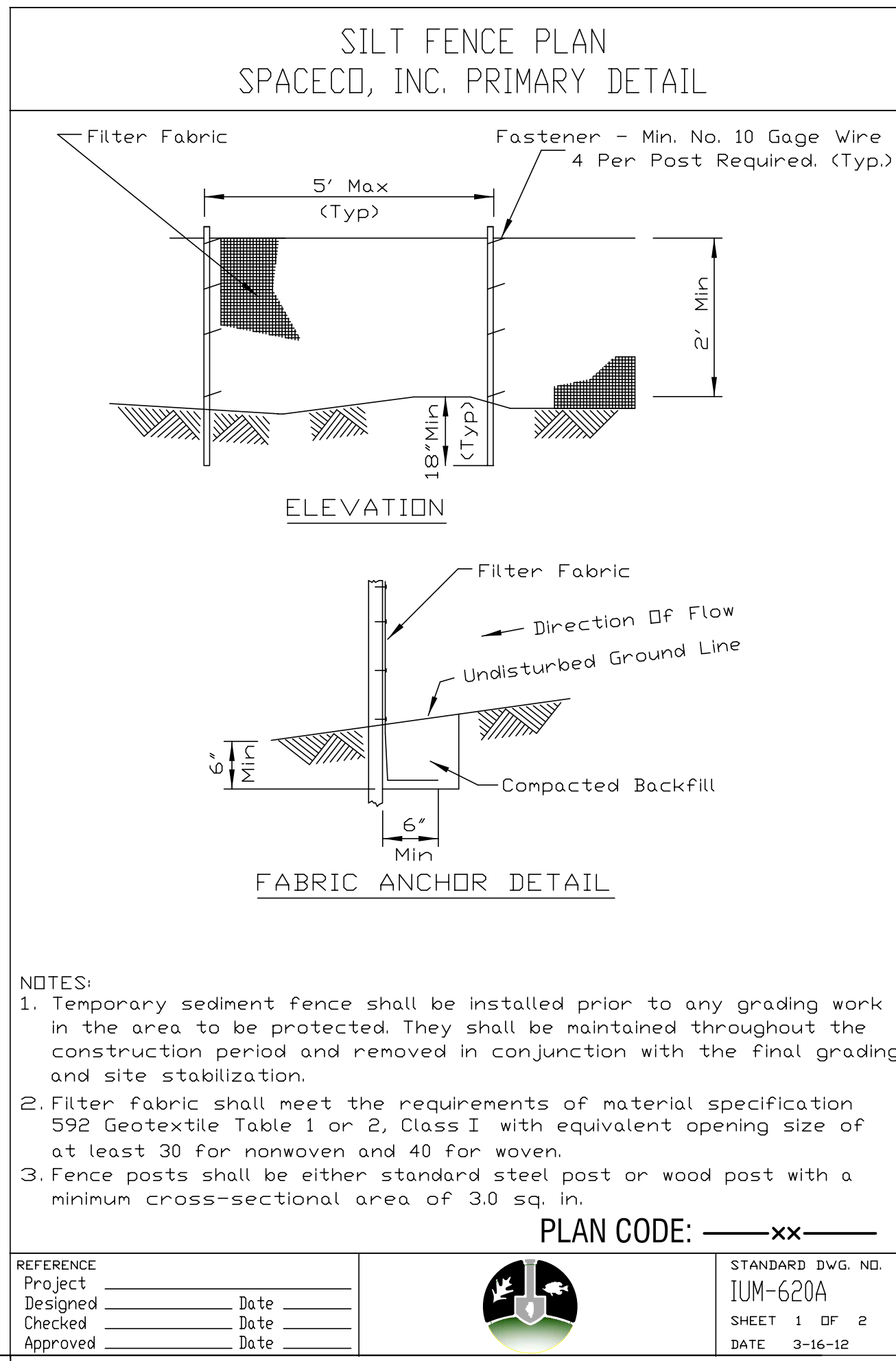
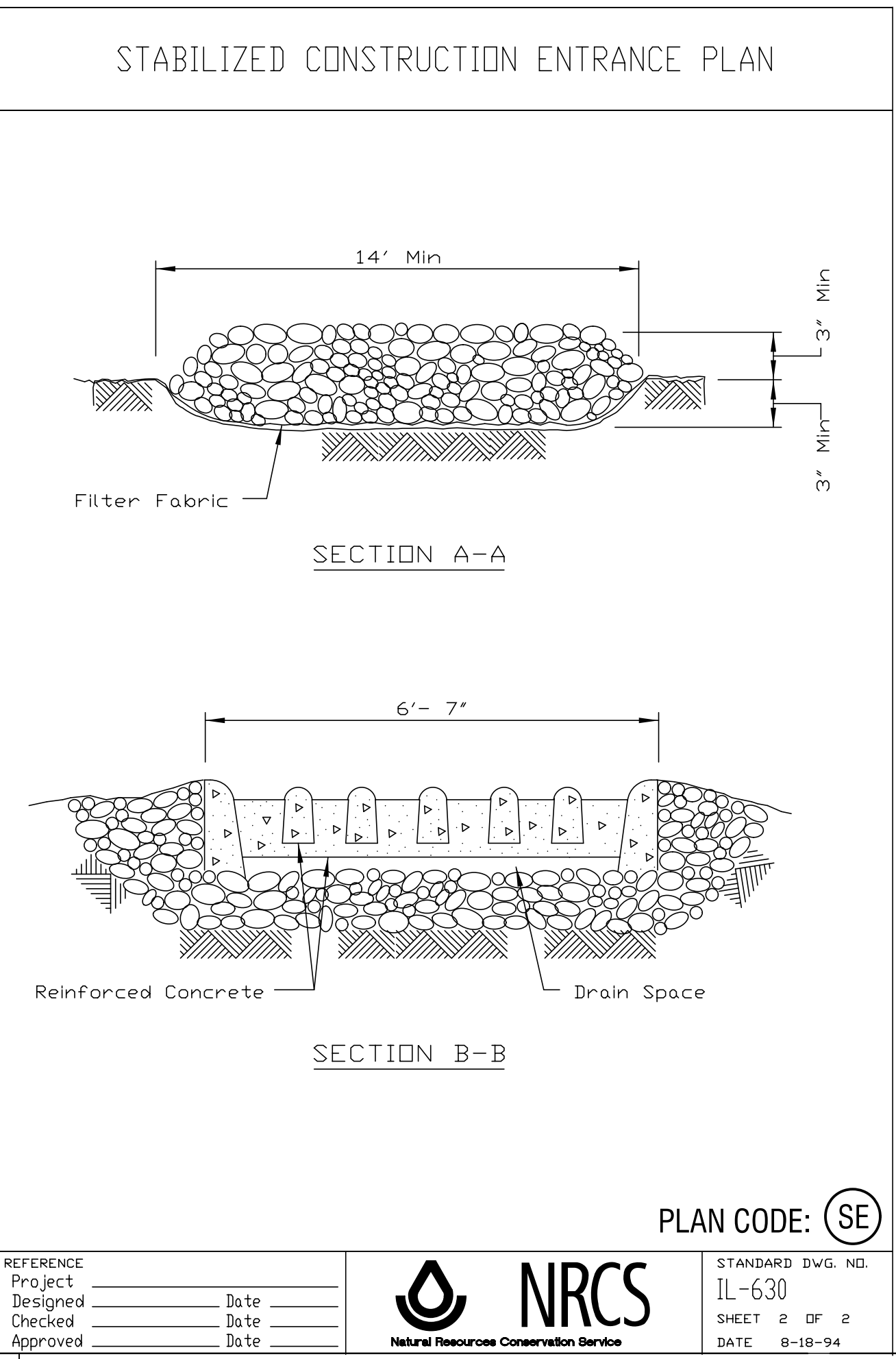
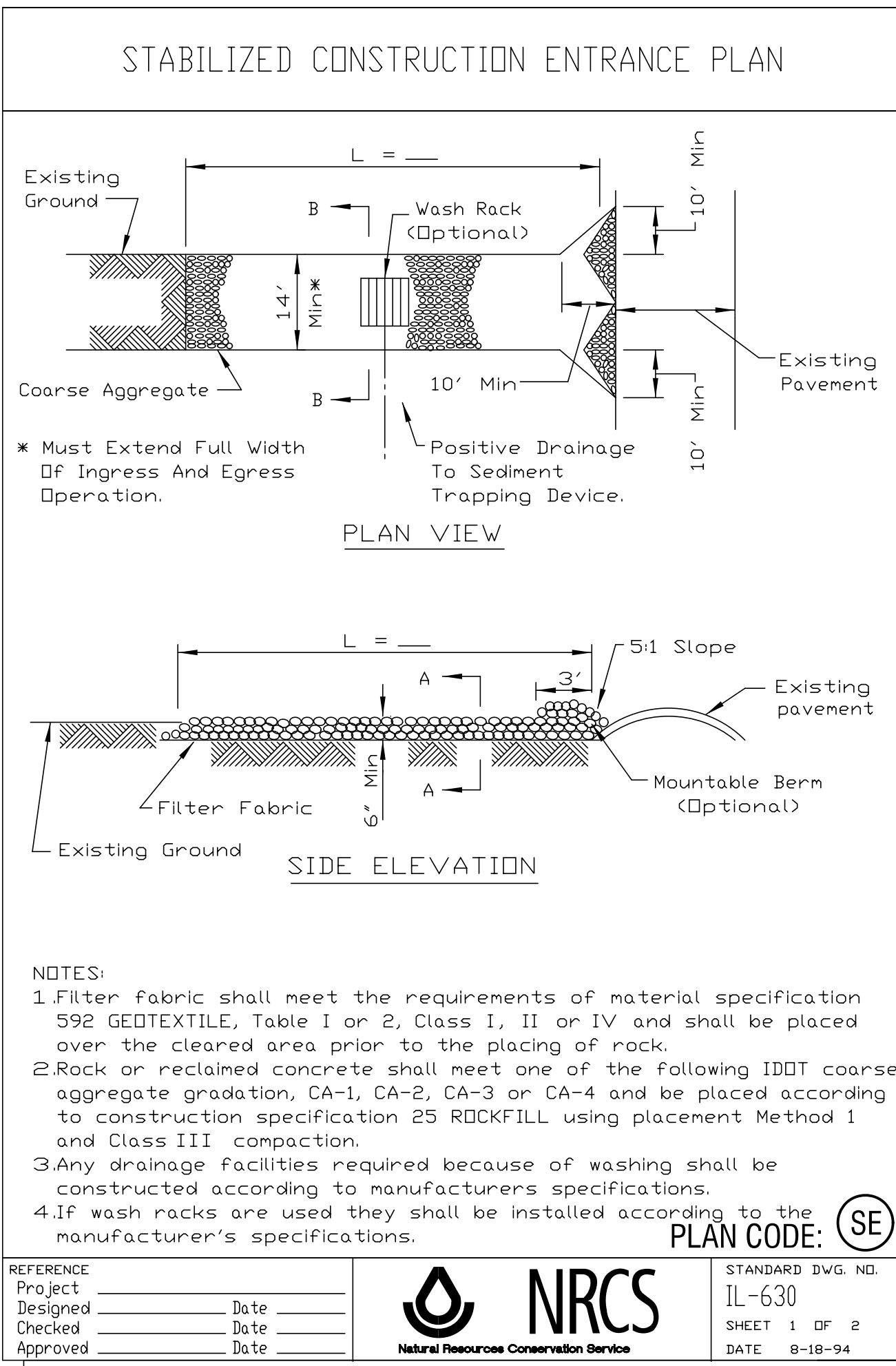
UTILITY PLAN
SADDLEWOOD S.C.
 4003-4083 ROUTE 59
 NAPERVILLE, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065



FILENAME: 10576UT
DATE: 01/19/23
JOB NO. 10576
SHEET UT 7 OF 13



Catch-All

- is a manufactured inlet filtration device designed to significantly reduce the ingress of pollutants into stormwater systems, and therefore, improve water quality. Designs are available for a custom fit in virtually any drainage structure casting.

Catch-All HR is available to provide the added benefit of hydrocarbon removal.

Design Benefits

- Pollution Prevention**
 - Sediment Control
- Pollution Removal**
 - Hydrocarbons (Catch-All HR)
 - Total Suspended Sediment
 - Phosphorus*
 - Nitrogen*
 - Heavy Metals*

* By virtue of sediment control

Applications

- Site Development & Highway Construction
 - Inlet Protection / Sediment Control
 - Permanent BMP
 - Maintenance Yards
 - Wash Bays
 - Parking Lots & Garages
 - Airports - Tarmac, Cab/Limo Stands, Rental Returns
 - Bank/Fast Food Drive-Ups
- Reduce Maintenance of Underground Detention Systems
- Reduce Maintenance of Underground Oil/Water Separators

PLAN CODE: FF

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2

SADDLEWOOD S.C.
4003-4083 ROUTE 69
NAPERVILLE, ILLINOIS

**CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS**

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-0060 Fax: (847) 696-4065

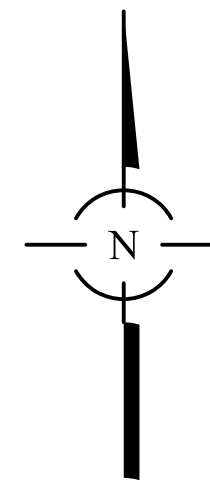
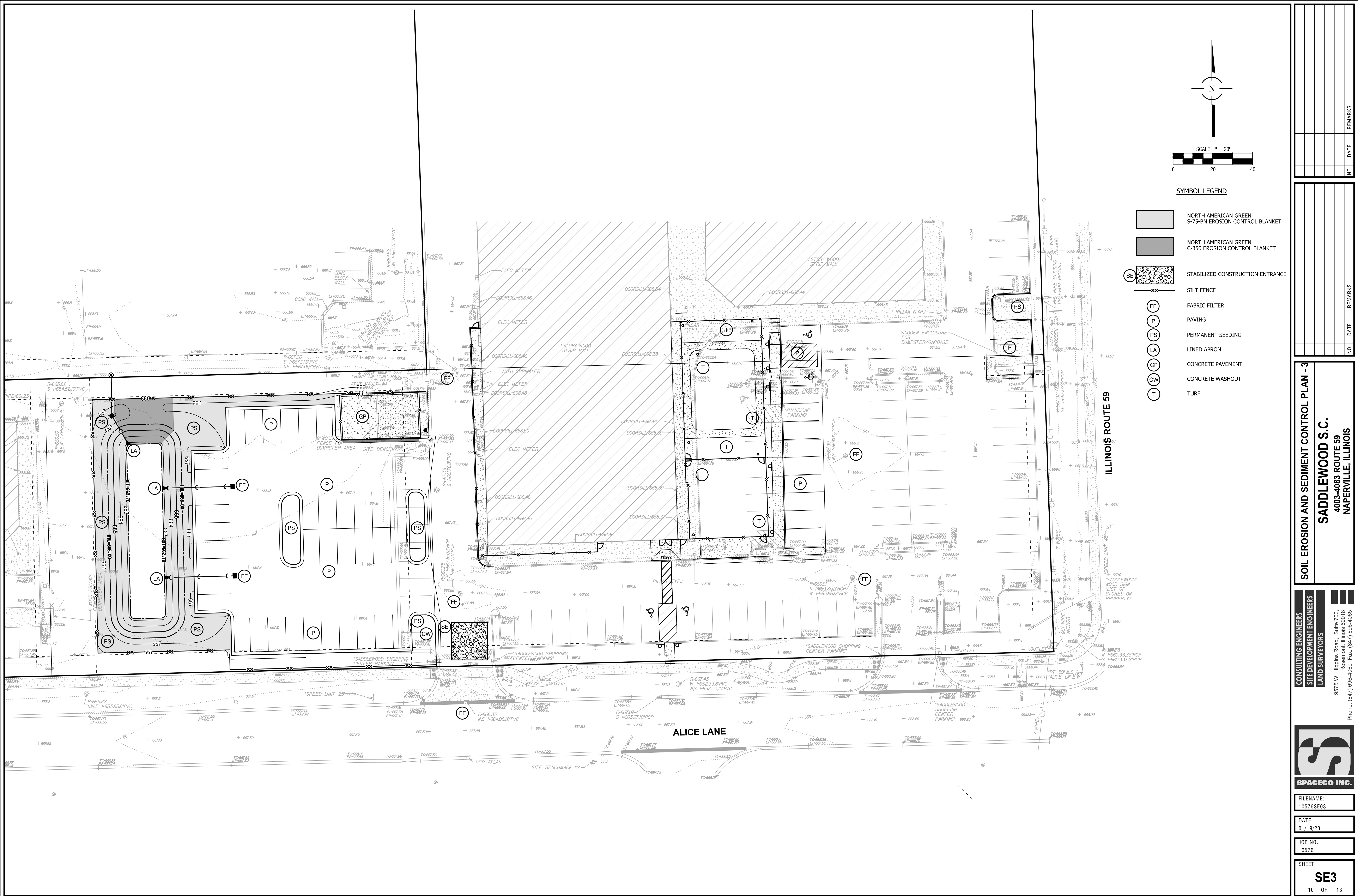
SPACECO INC.

FILENAME: 10576SE02

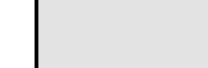

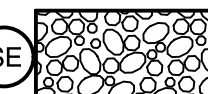
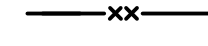







DATE: 01/19/23

JOB NO. 10576

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SYMBOL LEGEND

-  NORTH AMERICAN GREEN S-75-BN EROSION CONTROL BLANKET
-  NORTH AMERICAN GREEN C-350 EROSION CONTROL BLANKET
-  STABILIZED CONSTRUCTION ENTRANCE
-  SILT FENCE
-  FABRIC FILTER
-  PAVING
-  PERMANENT SEEDING
-  LINED APRON
-  CONCRETE PAVEMENT
-  CONCRETE WASHOUT
-  TURF

NO.	DATE	REMARKS

NO.	DATE	REMARKS

SOIL EROSION AND SEDIMENT CONTROL PLAN - 3
SADDLEWOOD S.C.
 4003-4083 ROUTE 59
 NAPERVILLE, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
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9575 W. Higgins Road, Suite 700,
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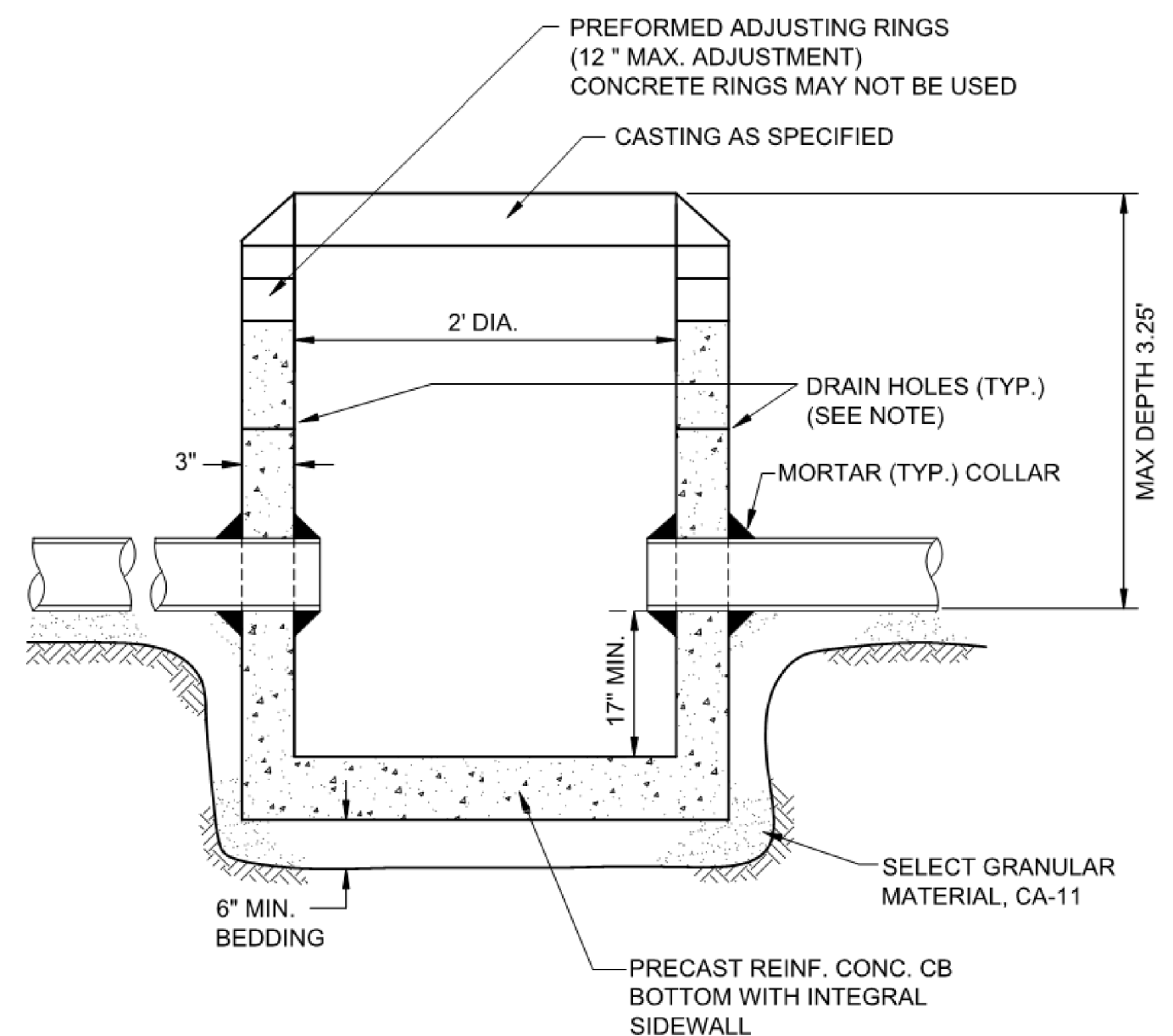
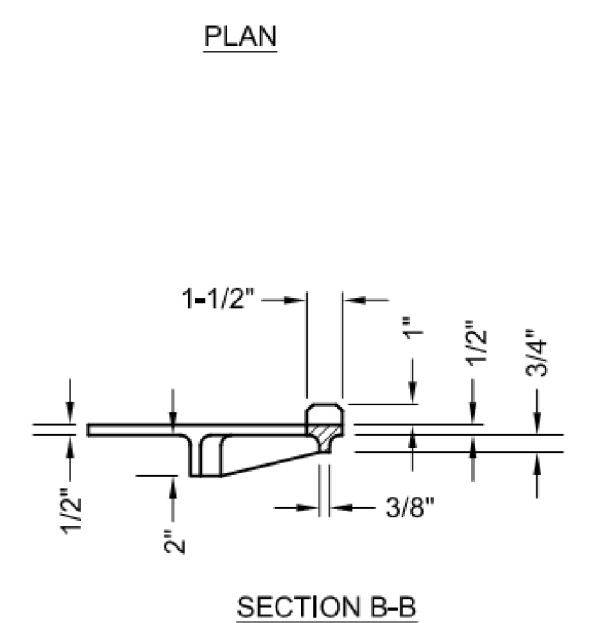
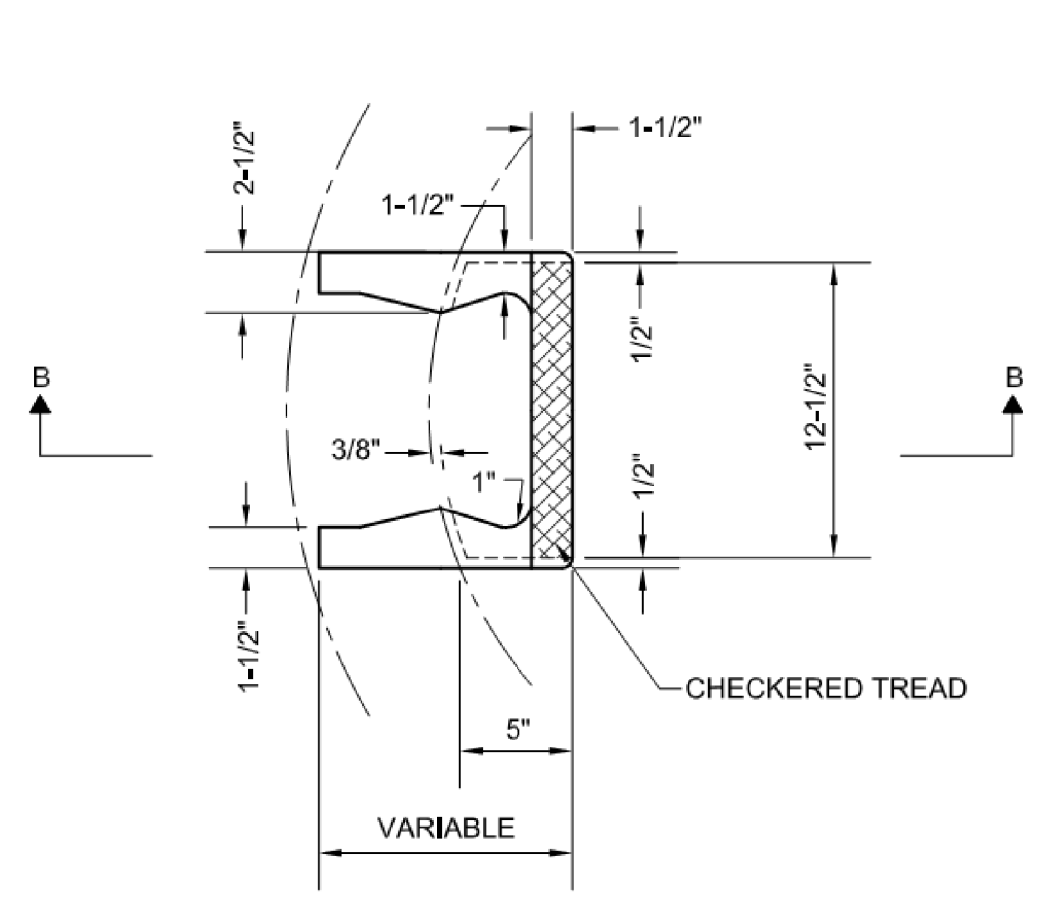


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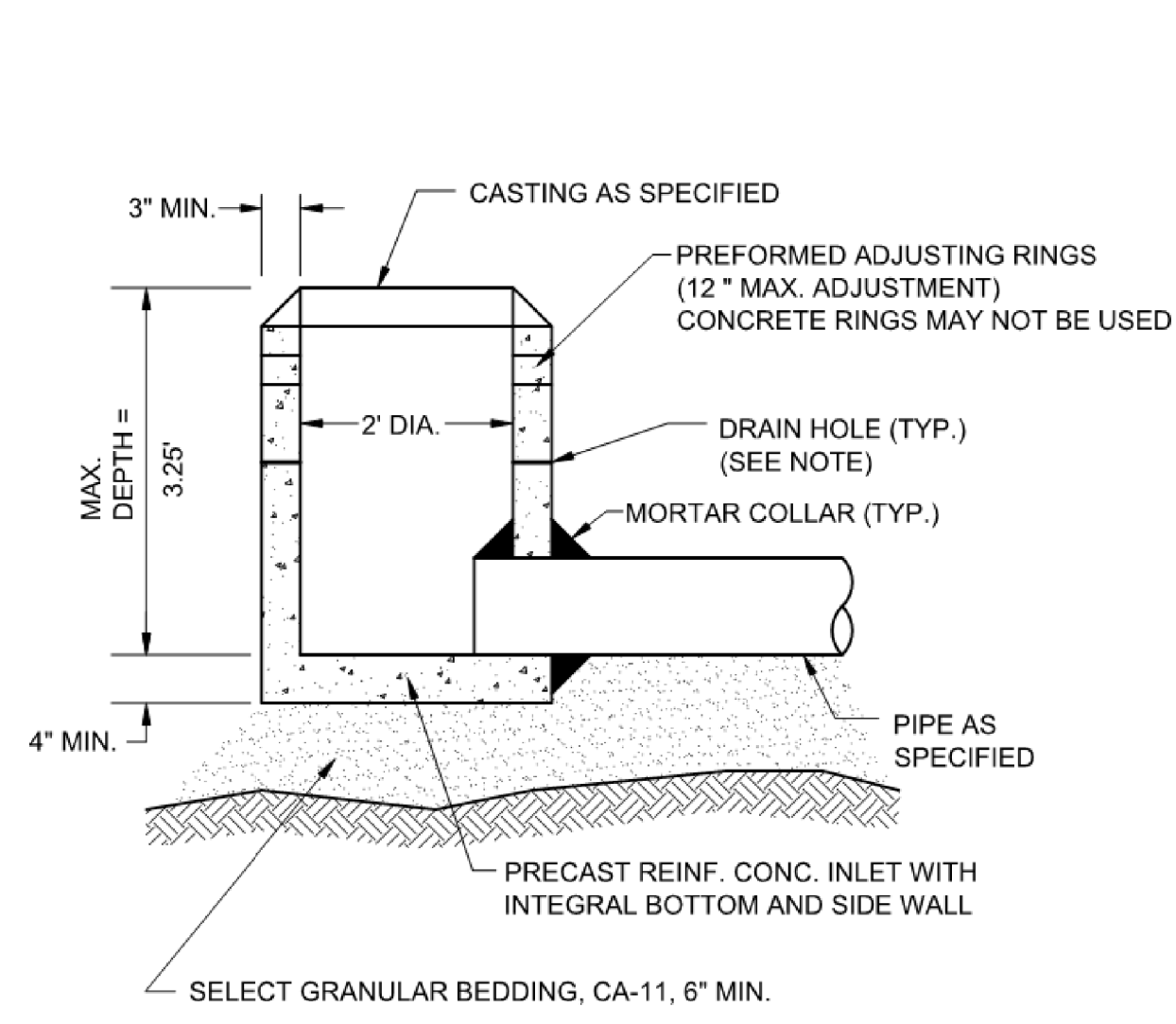
DATE:
 01/19/23

JOB NO.
 10576

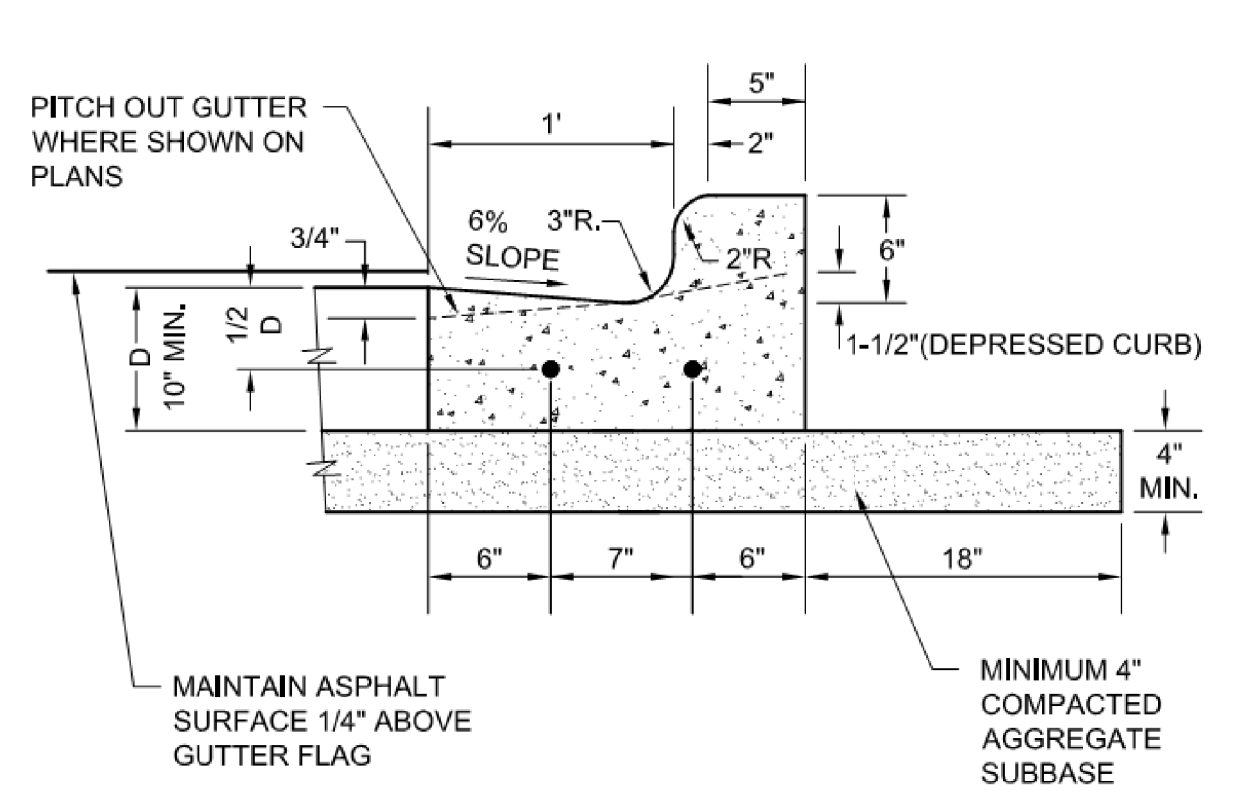
SHEET
SE3
 10 OF 13



NOTE:
A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.



NOTE:
IN PAVED AREAS A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.



NOTES:

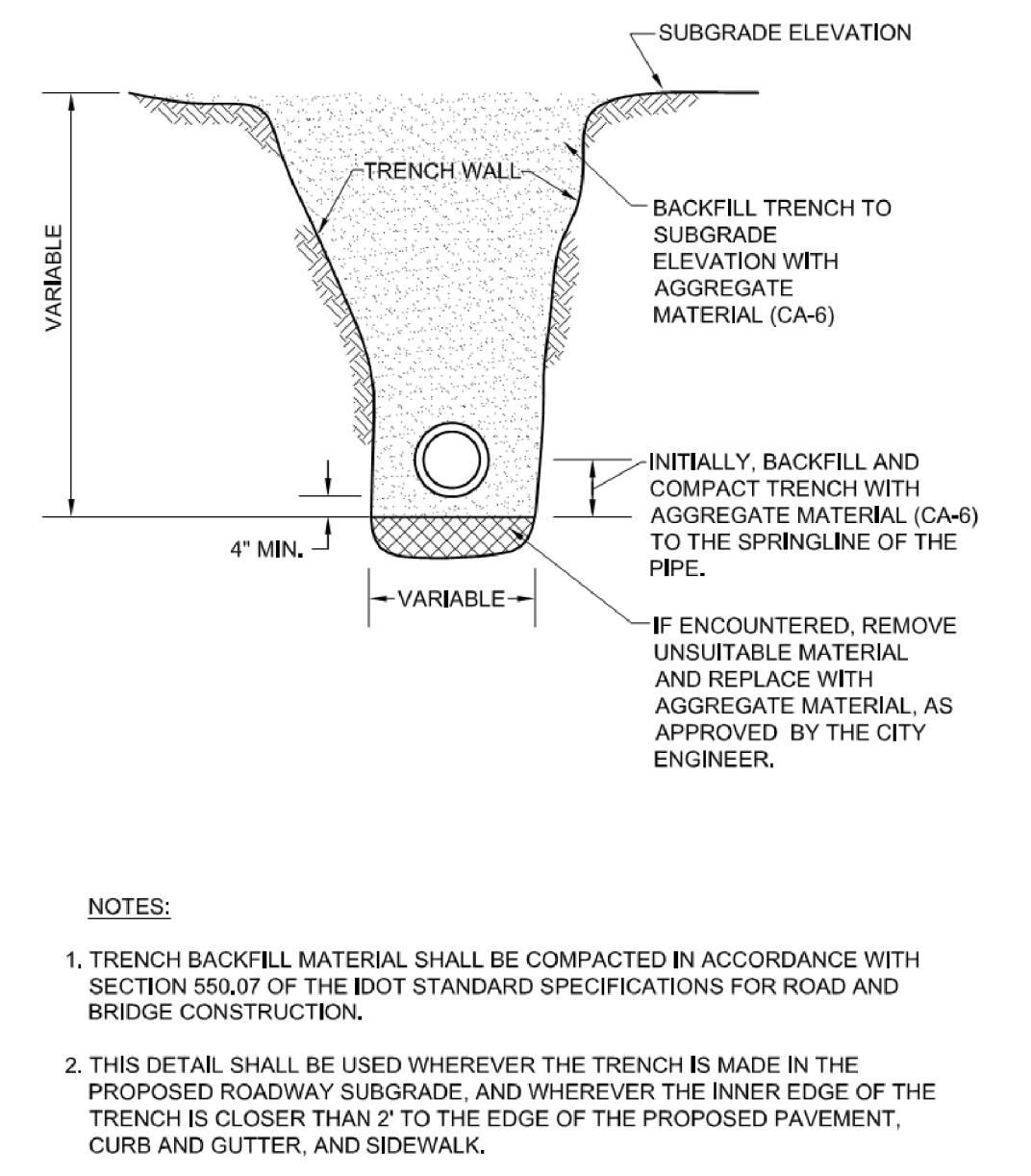
- 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA. X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
- TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'.
- SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
- FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.

City of Naperville
STANDARD DETAIL
CAST IRON STEPS
REVISD: 01/01/2013 SHEET 1 OF 1
STORM 6
290.06

City of Naperville
STANDARD DETAIL
CATCH BASIN - TYPE C
REVISD: 08/01/2018 SHEET 1 OF 1
STORM 4
290.04

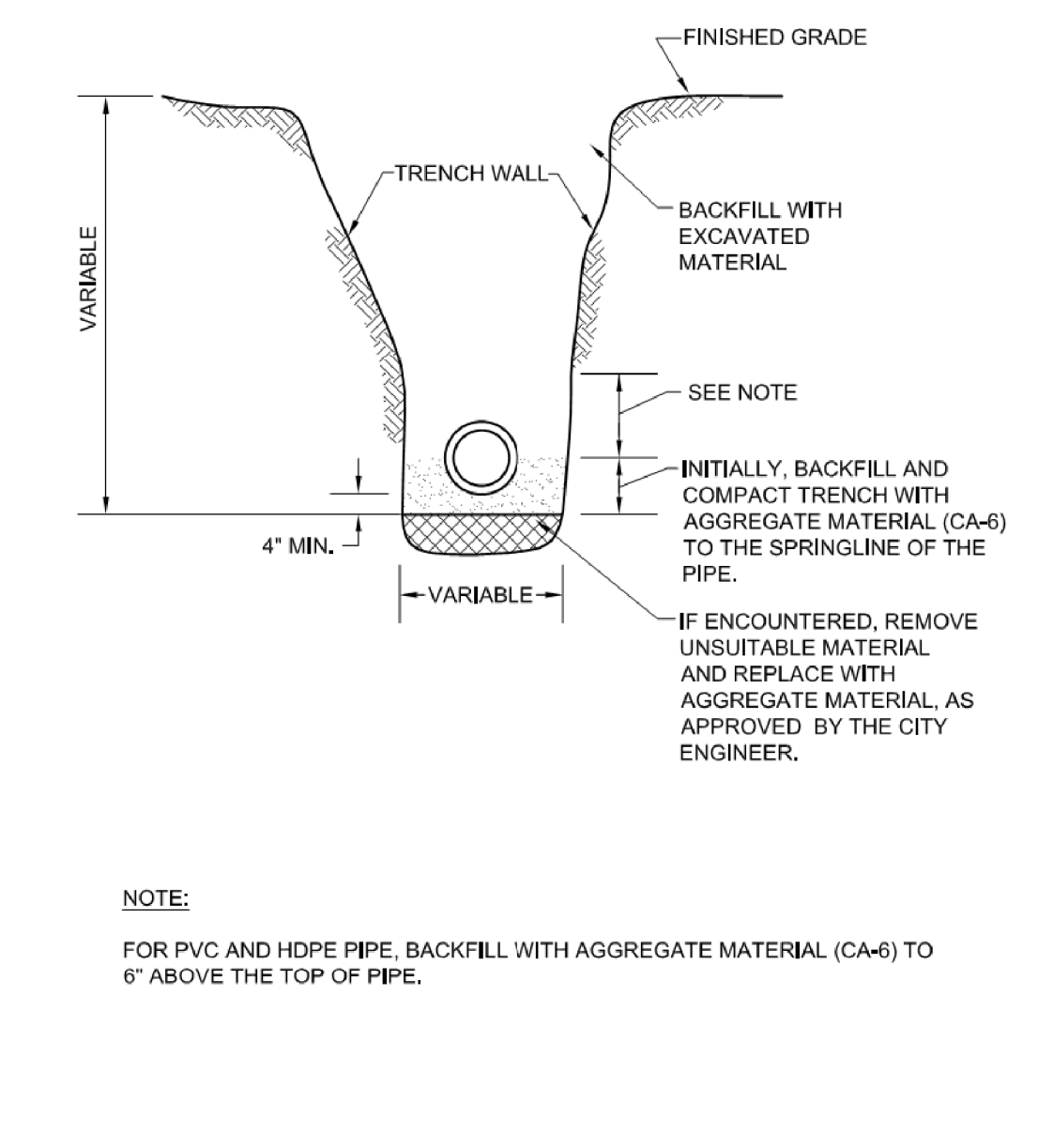
City of Naperville
STANDARD DETAIL
INLET - TYPE A
REVISD: 08/01/2018 SHEET 1 OF 1
STORM 5
290.05

City of Naperville
STANDARD DETAIL
B6.12 BARRIER CURB & GUTTER
REVISD: 01/01/2013 SHEET 1 OF 1
PAVEMENT 20
590.20

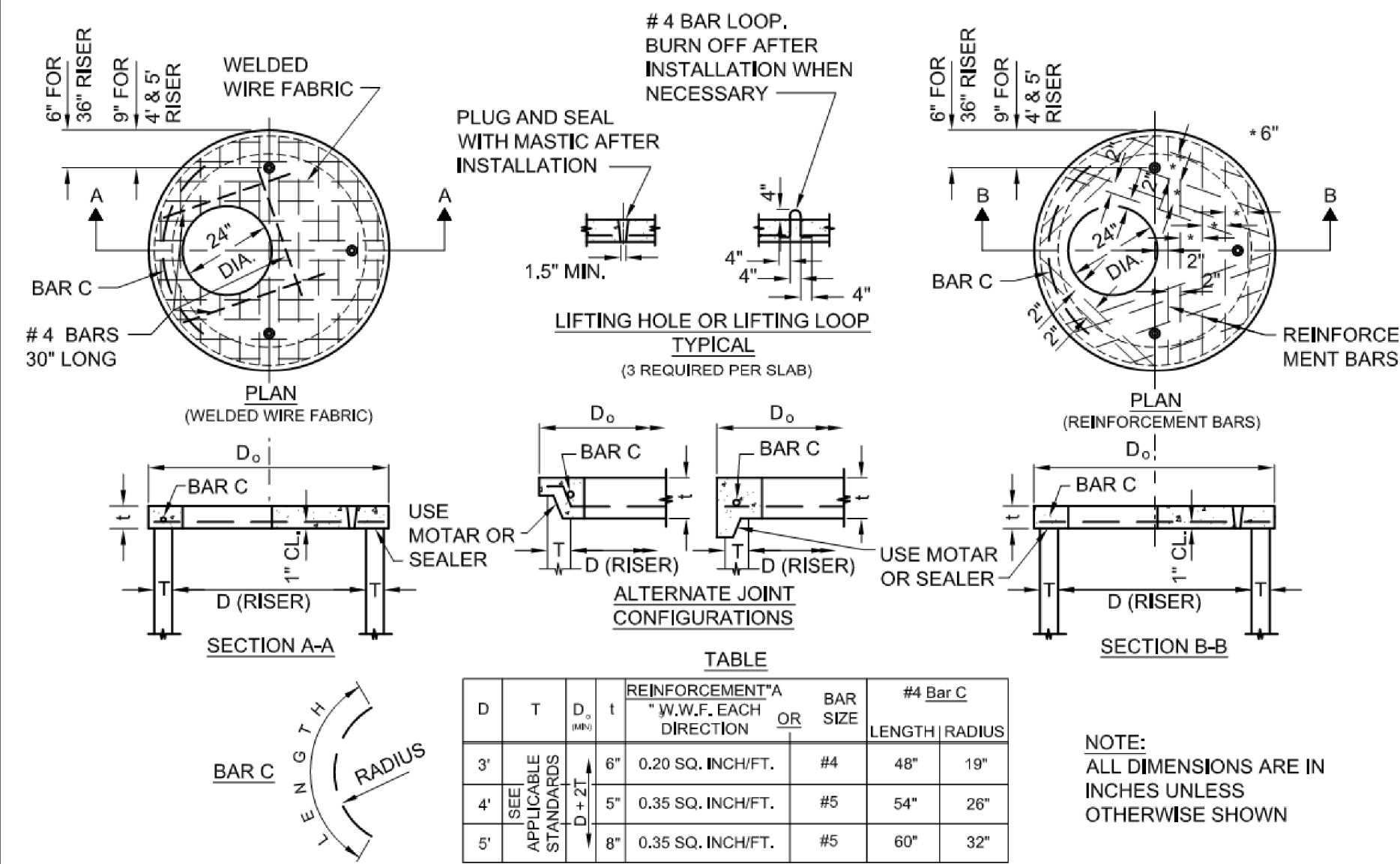


NOTES:

- TRENCH BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THIS DETAIL SHALL BE USED WHEREVER THE TRENCH IS MADE IN THE PROPOSED ROADWAY SUBGRADE, AND WHEREVER THE INNER EDGE OF THE TRENCH IS CLOSER THAN 2' TO THE EDGE OF THE PROPOSED PAVEMENT, CURB AND GUTTER, AND SIDEWALK.



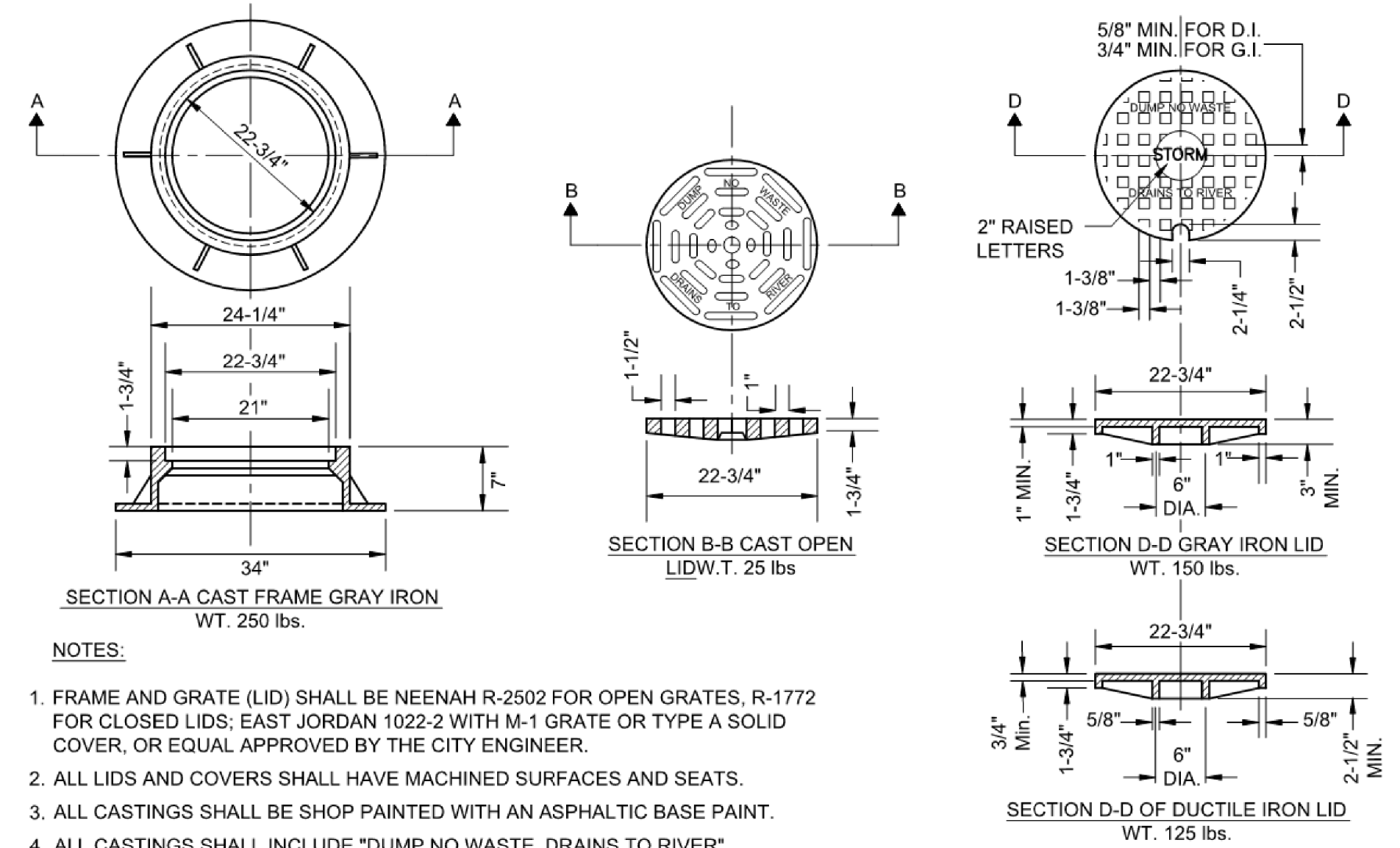
NOTE:
FOR PVC AND HDPE PIPE, BACKFILL WITH AGGREGATE MATERIAL (CA-6) TO 6" ABOVE THE TOP OF PIPE.



D	T	D _o	I	REINFORCEMENT ^A "W/FS" EACH DIRECTION OR LENGTH/RADIUS	BAR SIZE	#4 Bar C LENGTH/RADIUS
3'	3"	6"	1"	0.20 SQ. INCH/FT.	#4	48" 19"
4'	4"	5"	1"	0.35 SQ. INCH/FT.	#5	54" 26"
5'	5"	8"	1"	0.35 SQ. INCH/FT.	#5	60" 32"

NOTE:
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN

City of Naperville
STANDARD DETAIL
FLAT SLAB TOP PRECAST REINFORCED CONCRETE
REVISD: 01/01/2013 SHEET 1 OF 1
STORM 3
290.03



NOTES:

- FRAME AND GRATE (LID) SHALL BE NEENAH R-2502 FOR OPEN GRATES, R-1772 FOR CLOSED LIDS; EAST JORDAN 1022-2 WITH M-1 GRATE OR TYPE A SOLID COVER, OR EQUAL APPROVED BY THE CITY ENGINEER.
- ALL LIDS AND COVERS SHALL HAVE MACHINED SURFACES AND SEATS.
- ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.
- ALL CASTINGS SHALL INCLUDE "DUMP NO WASTE, DRAINS TO RIVER".

City of Naperville
STANDARD DETAIL
FRAME & LID OR GRATE
REVISD: 05/15/2015 SHEET 1 OF 1
STORM 10
290.10

City of Naperville
STANDARD DETAIL
STORM SEWER TRENCH SECTION IN PAVED AREAS
REVISD: 01/01/2013 SHEET 1 OF 1
STORM 20
290.20

City of Naperville
STANDARD DETAIL
STORM SEWER TRENCH SECTION IN NON-PAVED AREAS
REVISD: 01/01/2013 SHEET 1 OF 1
STORM 21
290.21

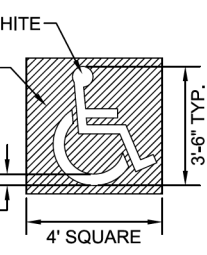
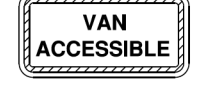
DETAILS - 1
SADDLEWOOD S.C.
4003-4083 ROUTE 69
NAPERVILLE, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS
9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065



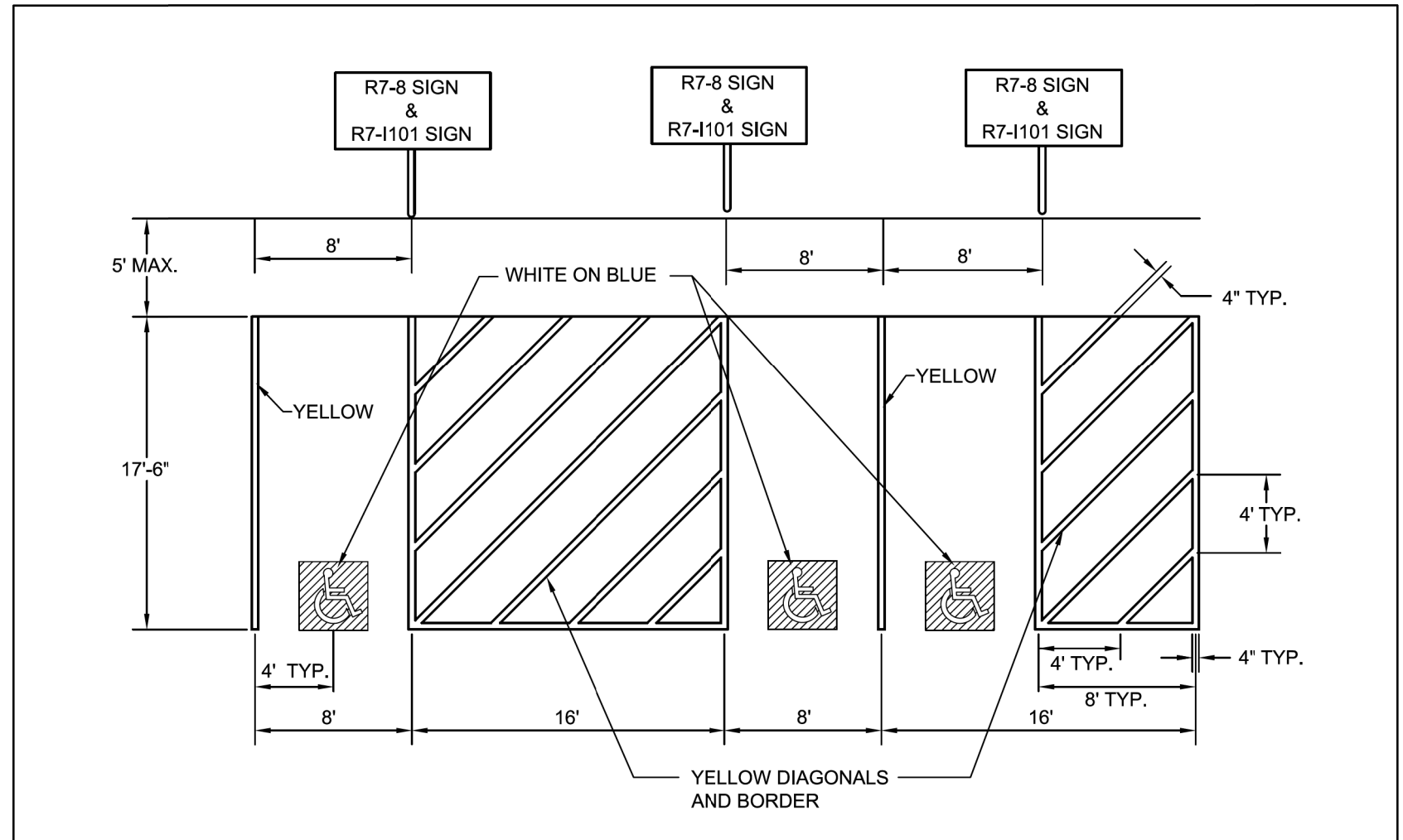
FILENAME:
10576DET01
DATE:
01/19/23
JOB NO.
10576
SHEET
D1
12 OF 13

- NOTES FOR ACCESSIBLE PARKING SPACES:**
- EACH PARKING SPACE SHALL BE AT LEAST 16' WIDE, WITH AN 8' WIDE ACCESS AISLE.
 - ADJACENT ACCESSIBLE PARKING SHALL NOT SHARE A COMMON ACCESS AISLE.
 - SIGNS SHALL BE VERTICALLY MOUNTED ON A PERMANENT POST OR A WALL AT THE FRONT CENTER BETWEEN THE SPACE AND THE ACCESS AISLE NO MORE THAN 8" HORIZONTALLY FROM THE FRONT OF A PARKING SPACE AND SET A MINIMUM OF 4" FROM THE FINISHED GRADE TO THE BOTTOM OF THE "3250 FINE" SIGN.
 - ACCESSIBLE PARKING SIGNS SHALL ALSO EXHIBIT THE WORDS "3250 FINE".
 - PARKING SPACES DESIGNED FOR PERSONS WITH DISABILITIES AND ACCESSIBLE PASSENGER LOADING ZONES THAT SERVE A PARTICULAR BUILDING, SHALL BE LOCATED ON THE SHORTEST POSSIBLE ACCESSIBLE CIRCULATION ROUTE TO AN ACCESSIBLE ENTRANCE OF THE BUILDING.
 - IN SEPERATE PARKING STRUCTURES OR LOTS THAT DO NOT SERVE A PARTICULAR BUILDING, PARKING SPACES FOR PERSONS WITH DISABILITIES SHALL BE LOCATED ON THE SHORTEST POSSIBLE CIRCULATION ROUTE TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY.

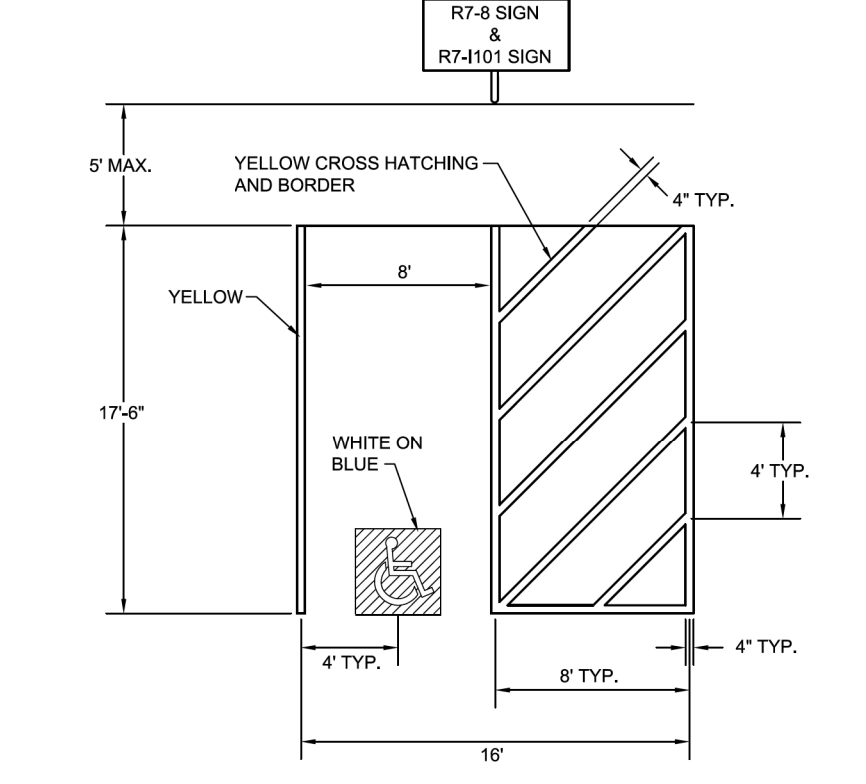


TOTAL OFF STREET PARKING SPACES REQUIRED	REQUIRED MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES
1 TO 25	1
26 TO 50	2
51 TO 75	3
76 TO 100	4
101 TO 150	5
151 TO 200	6
201 TO 300	7
301 TO 400	8
401 TO 500	9
501 TO 1000	2% OF TOTAL NUMBER
OVER 1000	20 PLUS 1 FOR EACH 100 OVER 1000

City of Naperville STANDARD DETAIL ACCESSIBLE PARKING SPACE MARKINGS SHEET 4 OF 4 **590.35**

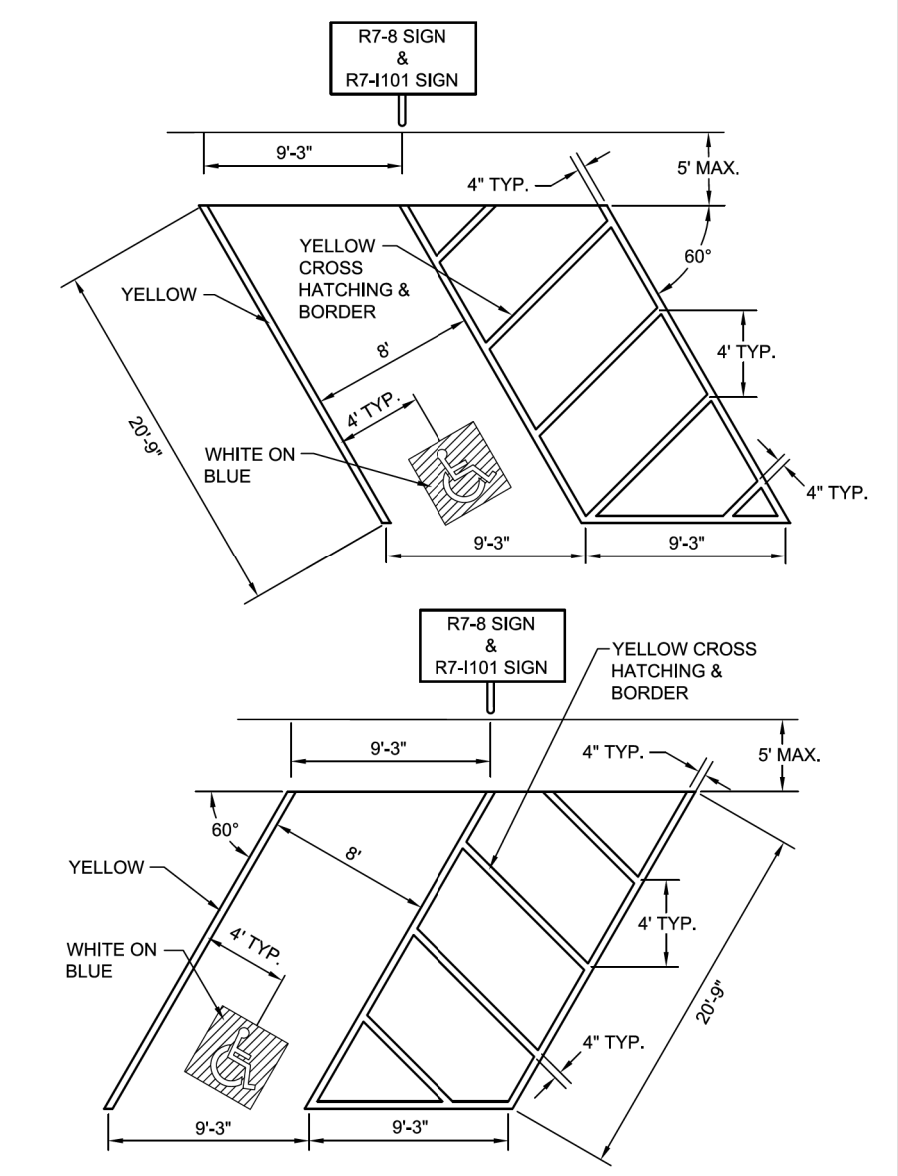


City of Naperville STANDARD DETAIL ACCESSIBLE PARKING SPACE MARKINGS SHEET 3 OF 4 **590.35**

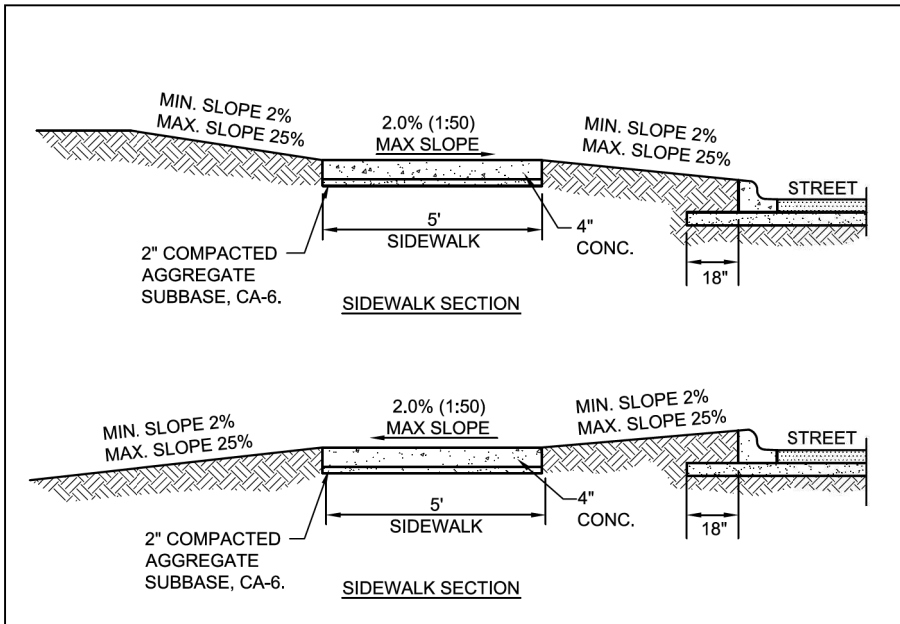


NOTE:
FOR MULTIPLE ACCESSIBLE PARKING SPACES IN A ROW, THE DESIGN ENGINEER HAS THE OPTION OF USING THE ABOVE SHOWN UNIT IN A COMBINATION OF LEFT-HANDED AND RIGHT-HANDED LAYOUTS IF IT PROVIDES FOR BETTER SITE DESIGN.

City of Naperville STANDARD DETAIL ACCESSIBLE PARKING SPACE MARKINGS SHEET 2 OF 4 **590.35**



City of Naperville STANDARD DETAIL ACCESSIBLE PARKING SPACE MARKINGS SHEET 1 OF 4 **590.35**



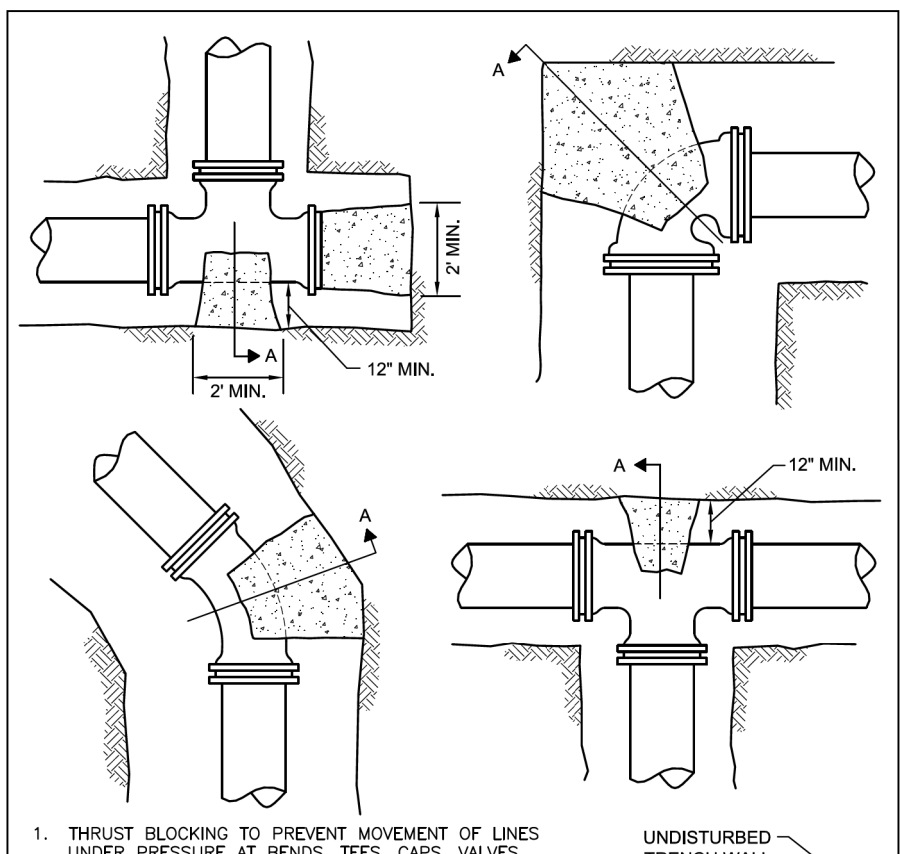
- NOTES:**
- CONCRETE SHALL BE DOT CLASS 31.
 - MINIMUM SIDEWALK THICKNESS SHALL BE 4".
 - SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE AT A MINIMUM 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS.
 - MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5% (20:1). FOR ANY SLOPE IN EXCESS OF 5%, ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION) SHALL BE MET.
 - MINIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100). MAXIMUM TRANSVERSE SLOPE SHALL BE 2.0% (1:50).
 - A MINIMUM 2" AGGREGATE SUBBASE (CA-6) SHALL BE PROVIDED. (4" THROUGH COMMERCIAL DRIVEWAYS).
 - AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.
 - ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.
 - SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE DOT STANDARDS.
 - SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

City of Naperville STANDARD DETAIL SIDEWALK SHEET 1 OF 1 **590.30**



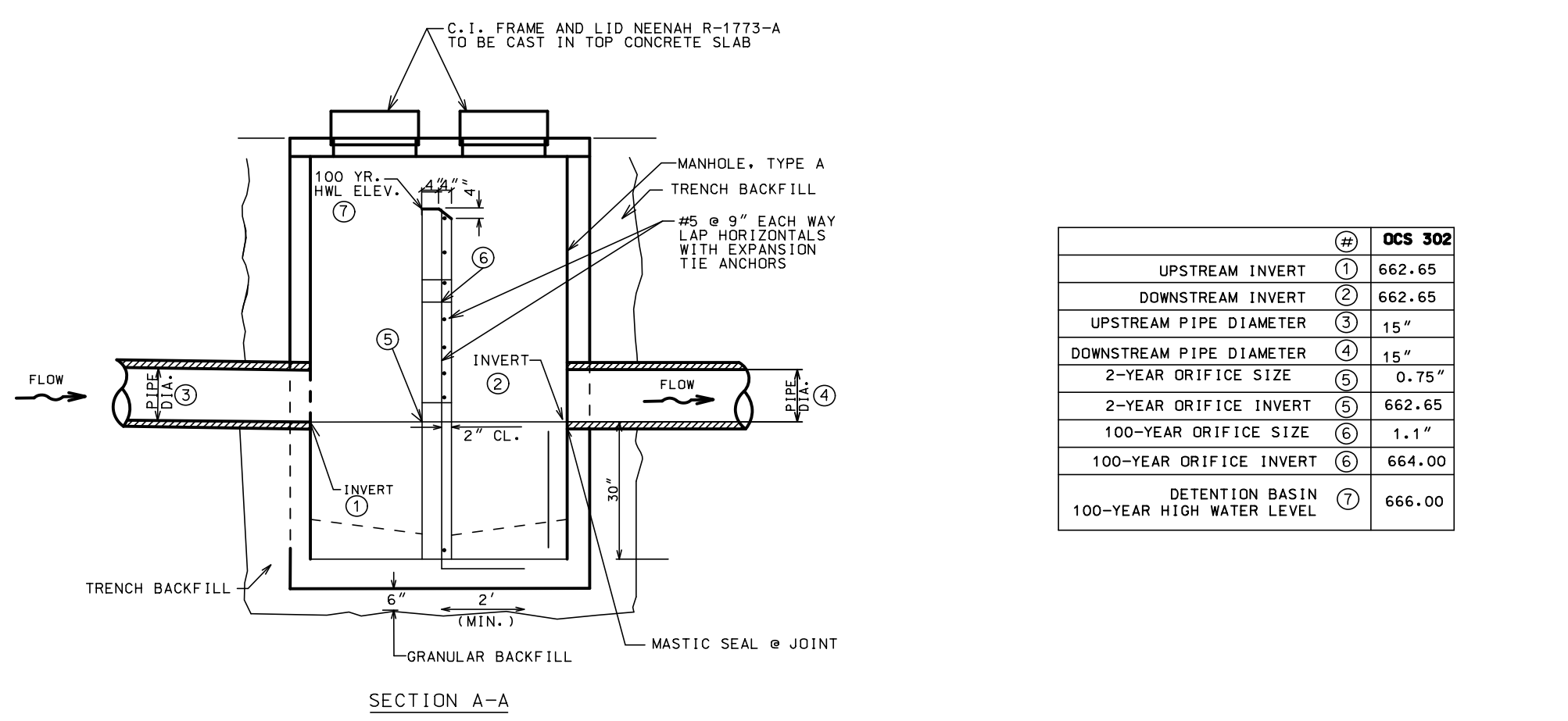
- COVER BENDS, REDUCERS AND OTHER PIPE-SHAPED APPURTENANCES WITH POLYETHYLENE IN THE SAME MANNER AS THE PIPE.
- WRAP VALVES, TEES AND OTHER ODD-SHAPED APPURTENANCES WITH A FLAT SHEET OR SPLIT LENGTH OF POLYETHYLENE TUBING BY PASSING THE SHEET UNDER THE APPURTENANCES AND BRINGING IT UP AROUND THE BODY. MAKE SEAMS BY BRINGING THE EDGES OF THE POLYETHYLENE SHEET TOGETHER, FOLDING OVER TWICE, AND TAPPING DOWN.
- POLYETHYLENE ENCASEMENT TO BE IN ACCORDANCE WITH A.W.W.A. C105-99OR LATEST VERSION.
- COPPER SERVICE TAPS ARE TO BE WRAPPED WITH POLYETHYLENE OR A SUITABLE DIELECTRIC APE FOR A MINIMUM CLEAR DISTANCE OF 3' AWAY FROM THE MAIN.

City of Naperville STANDARD DETAIL POLYETHYLENE ENCASEMENT WATER 18 SHEET 1 OF 1 **490.15**

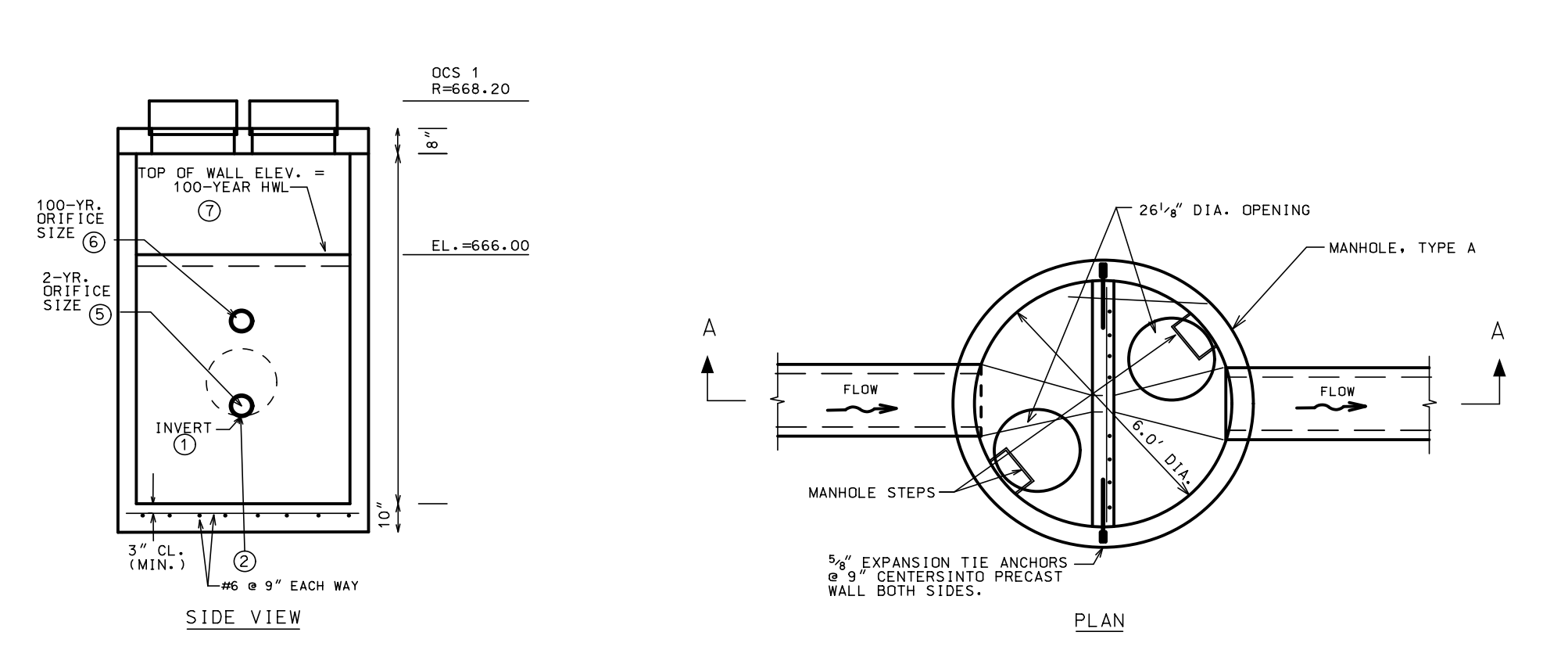


- THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, VALVES, HYDRANTS, & AT POINTS SPECIFIED BY THE ENGINEER SHALL BE CLASS "2".
- CONCRETE A MINIMUM OF 12" THICK, PLACED BETWEEN SOLID GROUND & THE FITTING AND SHALL BE ANCHORED IN SUCH A MANNER THAT THE PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIRS.
- THRUST BLOCKS SHALL BE PLACED AT BENDS OF 11-1/4' OR MORE.
- PIPE BENDS TO BE POLYETHYLENE ENCASED.
- JOINT RESTRAINT AT BENDS AND LENGTH OF PIPE EACH DIRECTION FROM BENDS AS REQUIRED BY THE CITY OF NAPERVILLE IF UNDISTURBED SOIL NOT AVAILABLE.
- THRUST BLOCK FOR PIPES LARGER THAN 12" MUST BE POURED IN PLACE.

City of Naperville STANDARD DETAIL THRUST BLOCK WATER 11 SHEET 1 OF 1 **490.11**

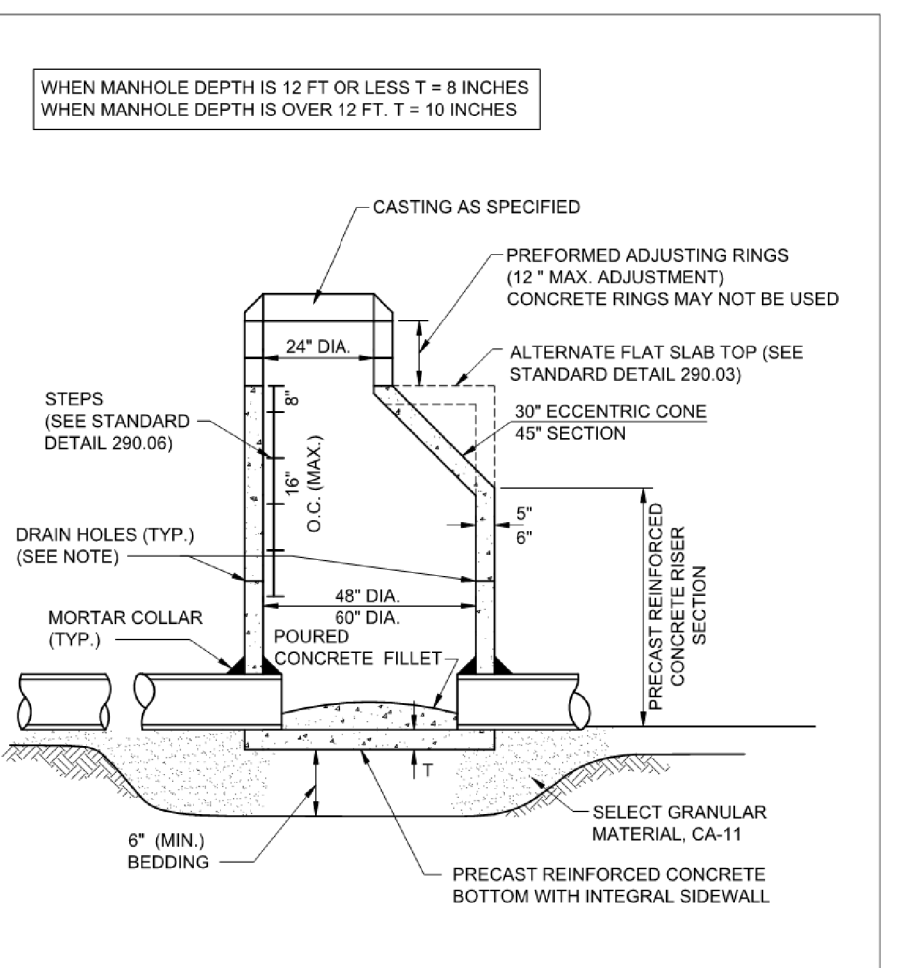


ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
1	UPSTREAM INVERT	1	662.65	662.65
2	DOWNSTREAM INVERT	2	662.65	1325.30
3	UPSTREAM PIPE DIAMETER	1	15"	
4	DOWNSTREAM PIPE DIAMETER	1	15"	
5	2-YEAR ORIFICE SIZE	5	0.75'	3.75
6	2-YEAR ORIFICE INVERT	5	662.65	3313.25
7	100-YEAR ORIFICE SIZE	6	1.1"	6.60
8	100-YEAR ORIFICE INVERT	6	664.00	3984.00
9	DETENTION BASIN	1	666.00	666.00
10	100-YEAR HIGH WATER LEVEL	1	666.00	666.00



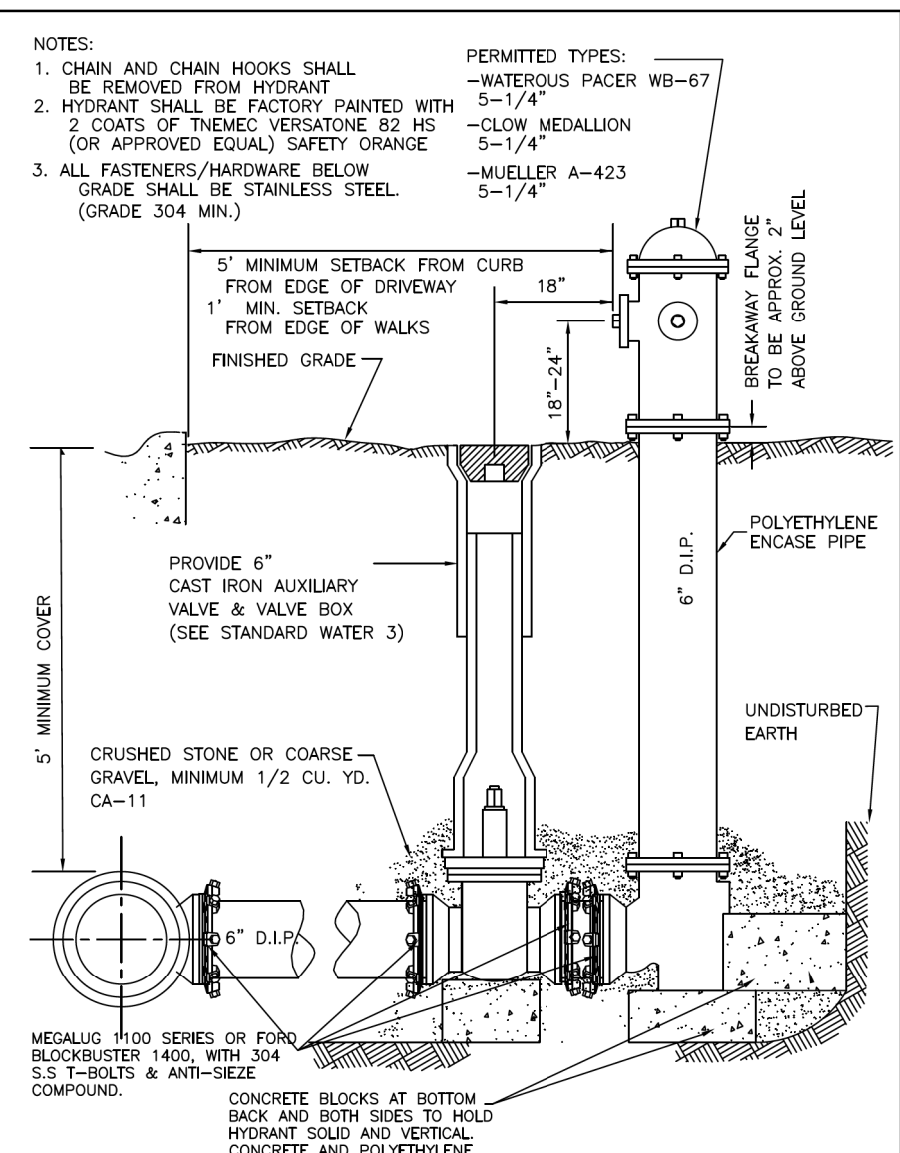
OUTLET CONTROL STRUCTURE (OCS-302) TYPE A, SPECIAL DETAIL

NOT TO SCALE



- NOTE:**
A MINIMUM OF 4 PRECAST OR DRILLED 1" DIAMETER HOLES SHALL BE PROVIDED WITHIN 1' OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 1' BY 1' SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

City of Naperville STANDARD DETAIL STORM MANHOLE-TYPE A SHEET 1 OF 1 **290.01**



City of Naperville STANDARD DETAIL HYDRANT WATER 6 SHEET 1 OF 1 **490.06**

NO.	DATE	REMARKS
1	03/10/23	PER CITY OF NAPERVILLE

DETAILS - 2
SADDLEWOOD S.C.
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LAND SURVEYORS

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FILENAME:
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DATE:
01/19/23

JOB NO.
10576

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