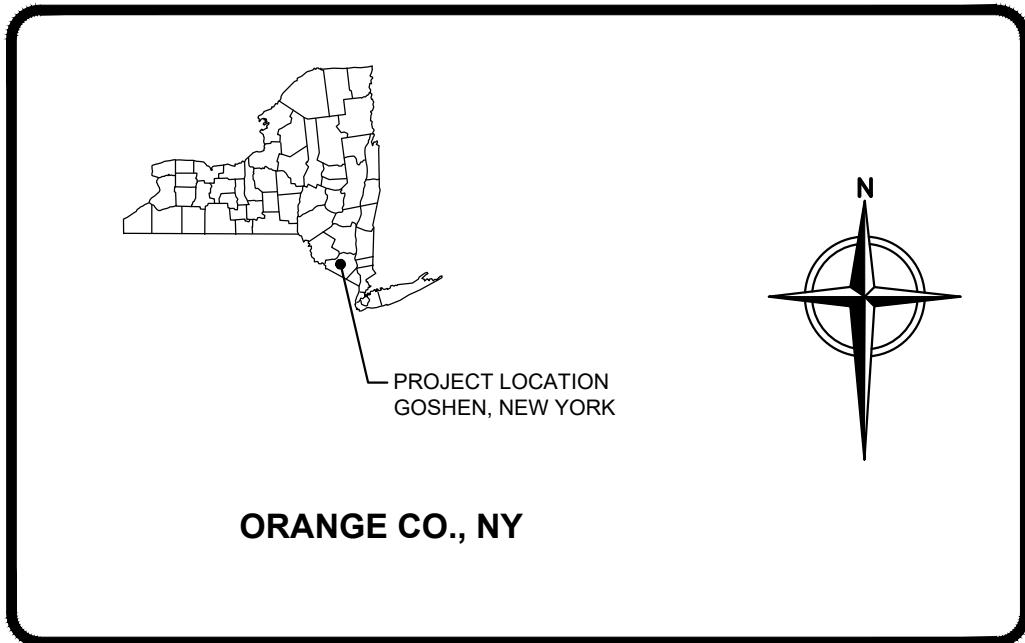
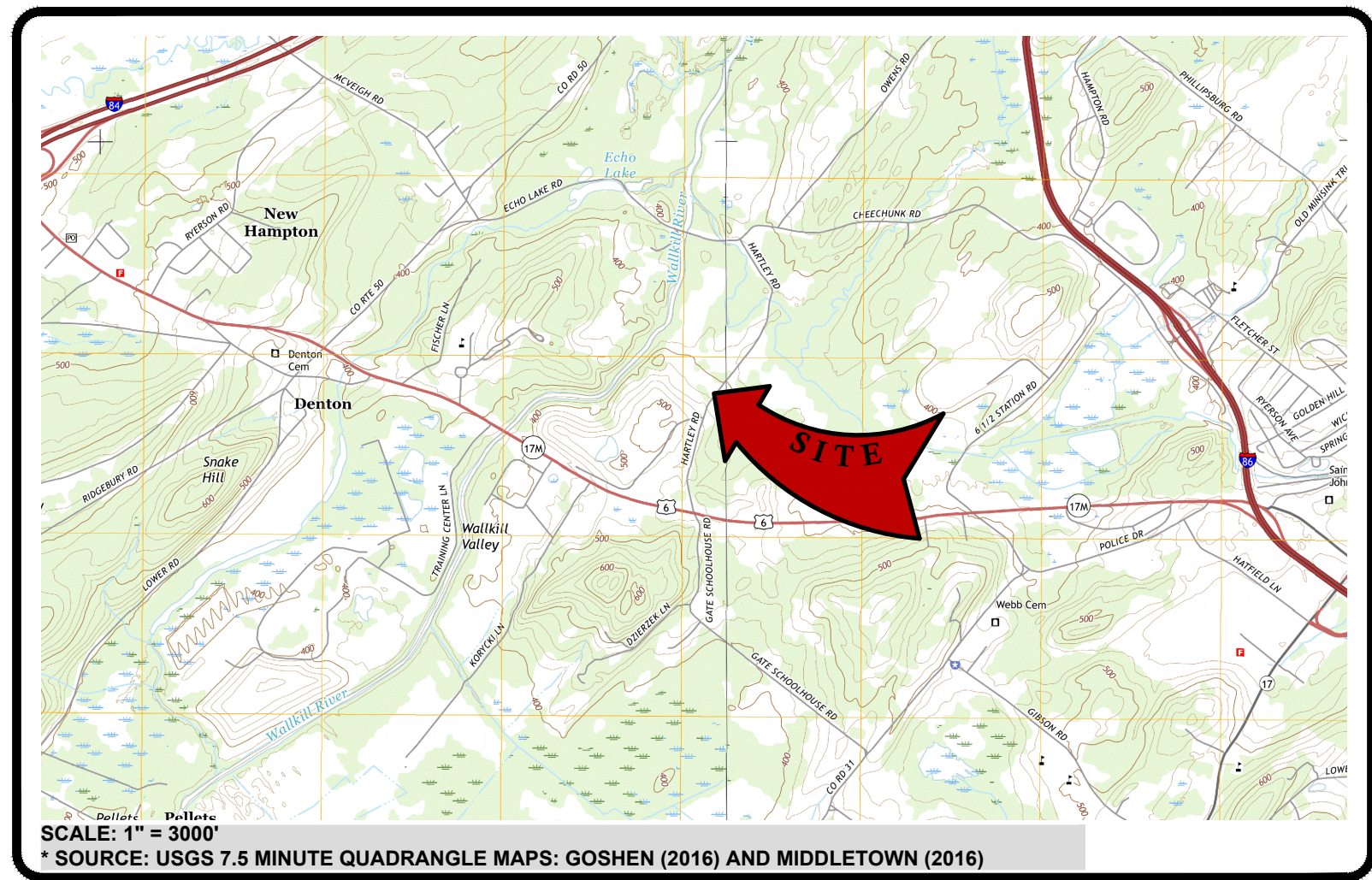


TITLE 6 NYCRR PART 360 SERIES ENGINEERING DRAWINGS
FOR THE
PROPOSED FACILITY MODIFICATIONS

PREPARED FOR
I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

MARCH 2024



LOCATION MAPS

INDEX OF DRAWINGS

0	COVER SHEET
1	REGIONAL MAP
2	VICINITY MAP
3	TRUCK ROUTE MAP
4	ZONING & LAND USE MAP
5	EXISTING SITE PLAN
6	PROPOSED SITE PLAN
7	PROPOSED VEHICLE CIRCULATION PLAN
8	PROPOSED EVACUATION PLAN
9	PROPOSED GENERAL ARRANGEMENT FLOOR PLAN
10	PROPOSED OPERATIONS FLOOR PLAN
11	PROPOSED BUILDING ELEVATIONS
12	PROPOSED BUILDING ELEVATIONS
13	PROPOSED SITE DETAILS
14	PROPOSED LEACHATE MANAGEMENT DETAILS
15	PROPOSED WATER SUPPLY TANK DETAILS
16	PROPOSED EROSION & SEDIMENT CONTROL DETAILS
17	PROPOSED MISCELLANEOUS DETAILS

PREPARED BY:



PLLC

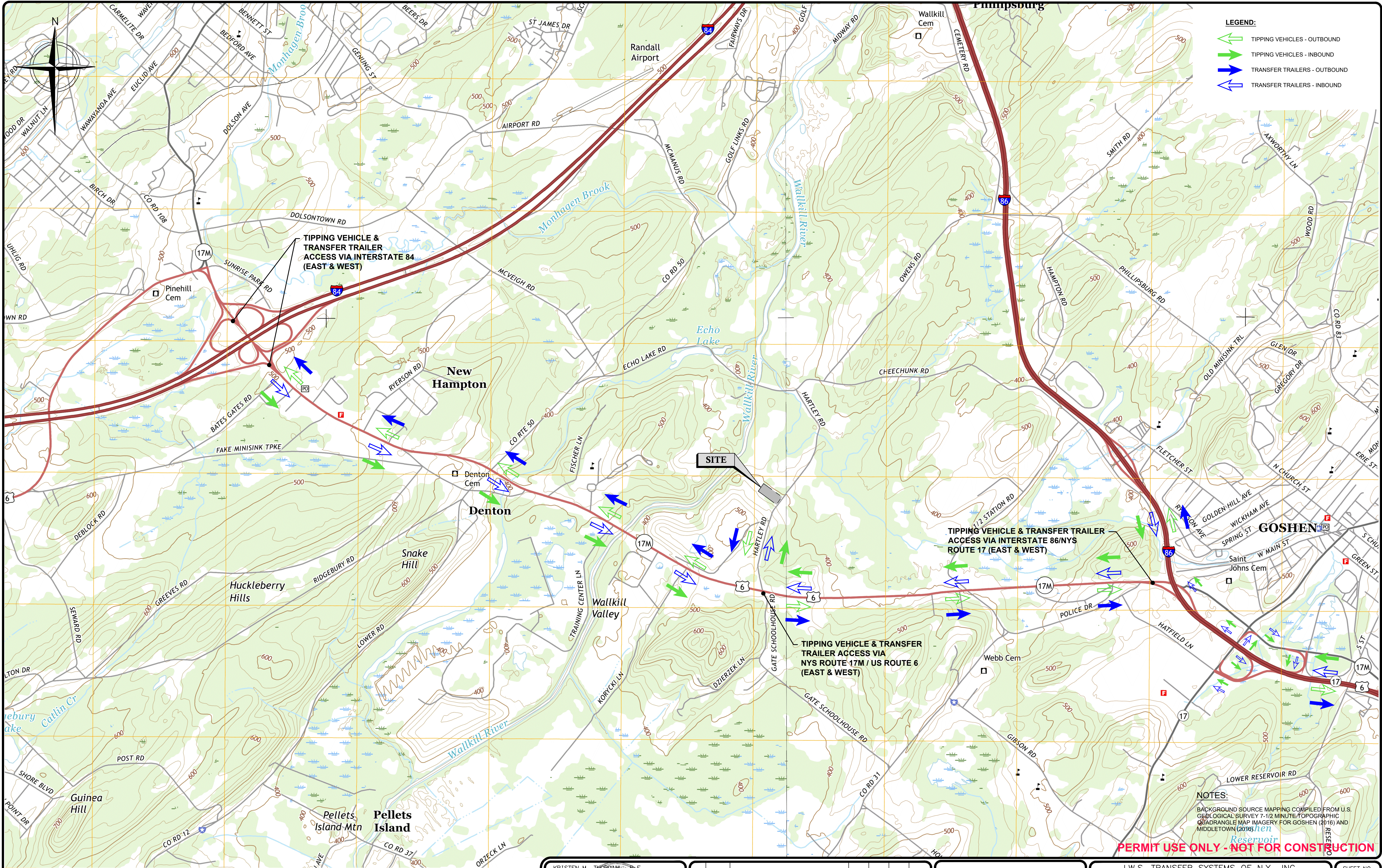
PREPARED BY:
CORNERSTONE ENGINEERING AND GEOLOGY, PLLC

100 CRYSTAL RUN ROAD
SUITE 101
MIDDLETOWN, NEW YORK 10941
Tel: (877) 294-9070
Fax (845) 692-5894

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PROJECT NO. 4223429



- LEGEND:**
- TIPPING VEHICLES - OUTBOUND
 - TIPPING VEHICLES - INBOUND
 - TRANSFER TRAILERS - OUTBOUND
 - TRANSFER TRAILERS - INBOUND

NOTES:
BACKGROUND SOURCE MAPPING COMPILED FROM U.S. GEOLOGICAL SURVEY 7-1/2 MINUTE TOPOGRAPHIC QUADRANGLE MAP IMAGERY FOR GOSHEN (2016) AND MIDDLETOWN (2016).

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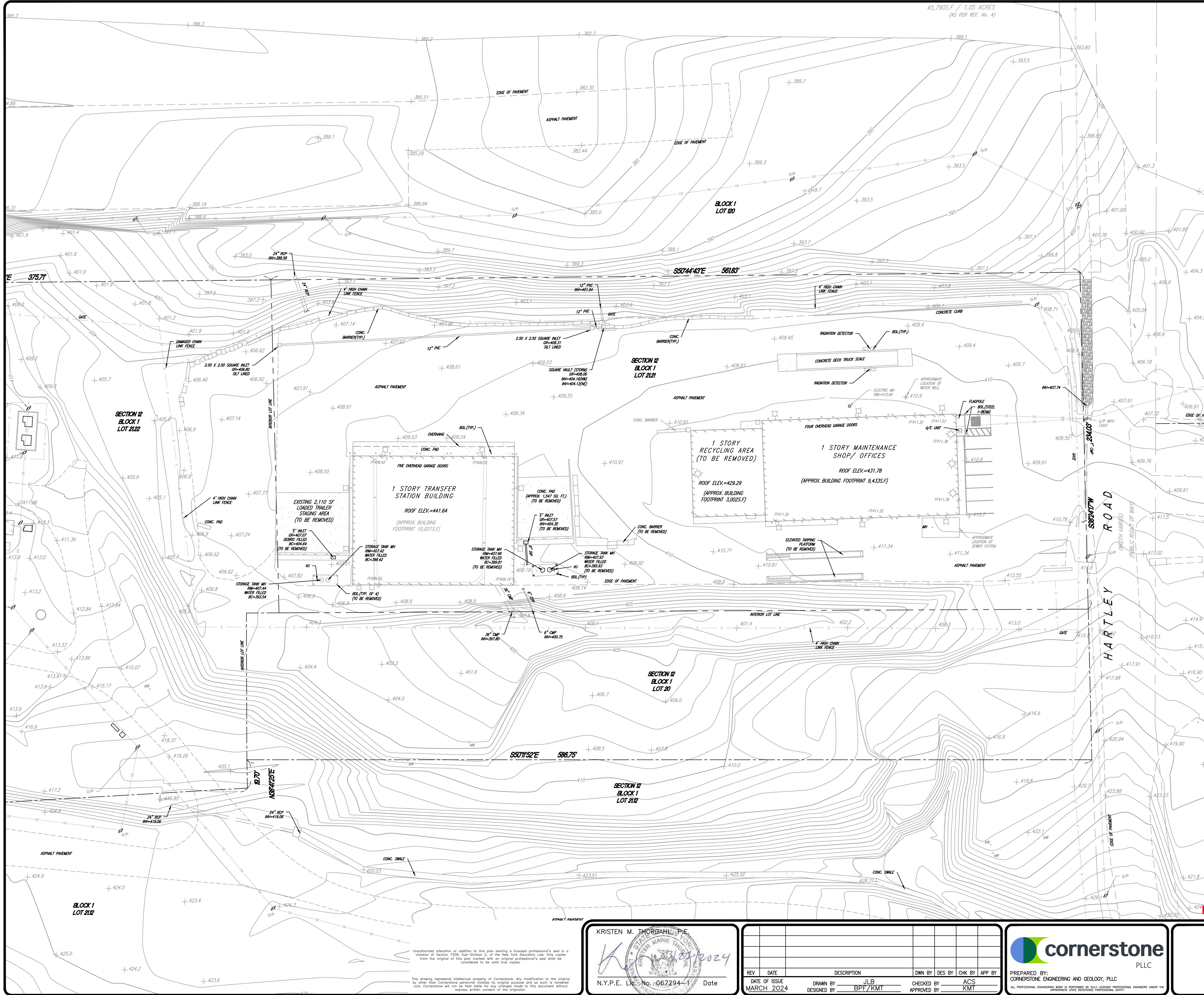
KRISTEN M. THORNTON, P.E.
N.Y.P.E. No. 067294-1 Date
[Professional Seal]

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	MARCH 2024	DATE OF ISSUE				
		DRAWN BY	JLB		ACS	
		DESIGNED BY	BPF/KMT			
		CHECKED BY			KMT	
		APPROVED BY				

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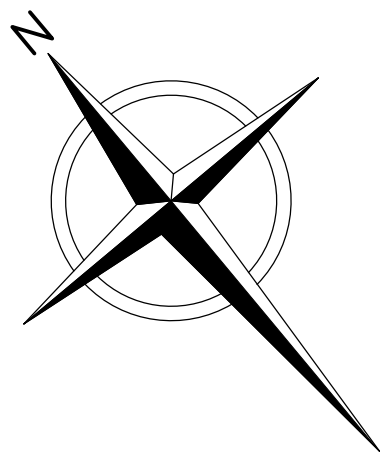
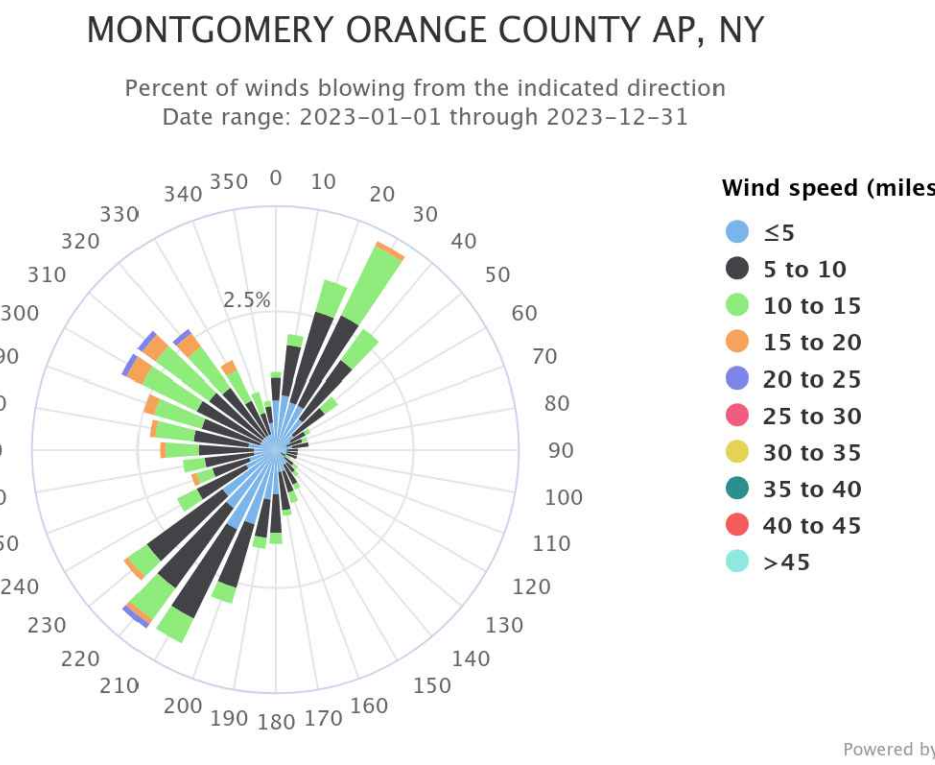
I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK
**PROPOSED FACILITY MODIFICATIONS
TRUCK ROUTE MAP**

SHEET NO.
3
PROJECT NO.
4223429



- LEGEND**
- PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - EASEMENT LINE
 - RIGHT OF WAY LINE
 - EXISTING MINOR CONTOURS
 - EXISTING MAJOR CONTOURS (AS LABELED)
 - EXISTING GROUND ELEVATION
 - EXISTING EDGE OF PAVEMENT
 - EXISTING EDGE OF GRAVEL
 - EXISTING FENCE LINE
 - EXISTING CONCRETE
 - EXISTING BUILDING
 - EXISTING TREE LINE
 - EXISTING GUIDE RAIL
 - EXISTING CURB LINE
 - EXISTING OVERHEAD WIRE
 - EXISTING UTILITY POLE
 - EXISTING CULVERT

- NOTES:**
- SITE BOUNDARY & TOPOGRAPHY SURVEY, LOT 17.32, 20, 21.21 & 21.22 OF BLOCK 1, PORTIONS OF LOTS 18, 21.12, 112, & 120 OF BLOCK 1, TOWN OF GOSHEN, ORANGE COUNTY, NEW YORK. SHEET 1 OF 1, DATED 3/20/2024, BY DRESDNER ROBIN OF JERSEY CITY, NEW JERSEY.
 - HORIZONTAL DATUM IS REFERENCED TO NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM (NAD 83), US SURVEY FEET.
 - VERTICAL DATUM BASED UPON NYGEIOD 12 GRS80, US SURVEY FEET. CONTOUR INTERVAL IS ONE FOOT.



0 30 60
SCALE IN FEET

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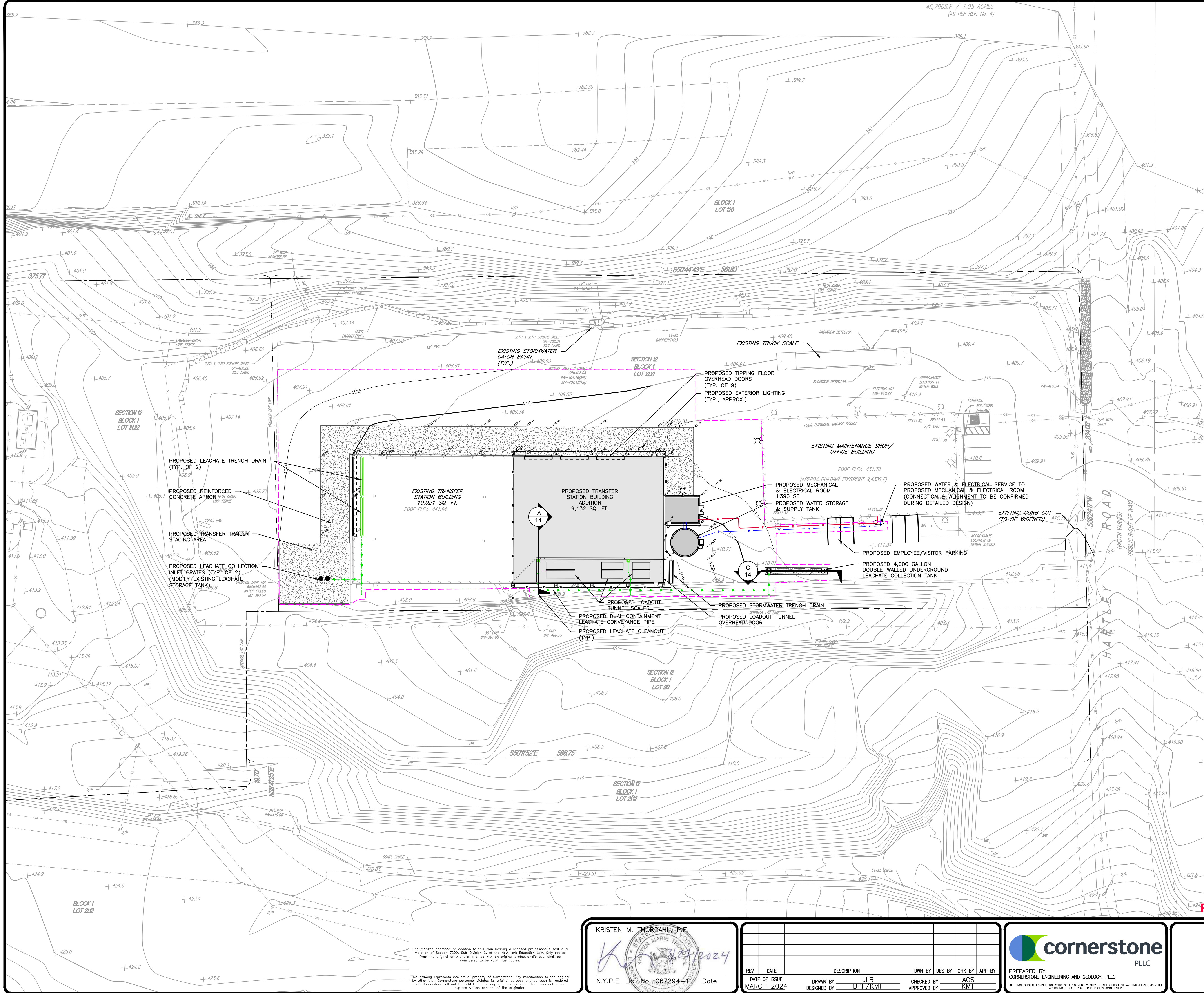
KRISTEN M. THORBAKE, P.E.
N.Y.P.E. License No. 067294-1
Date

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2		DRAWN BY	BPF/KMT	CHECKED BY		
3		APPROVED BY				

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GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK
**PROPOSED FACILITY MODIFICATIONS
EXISTING SITE PLAN**

SHEET NO.
5
PROJECT NO.
4223429

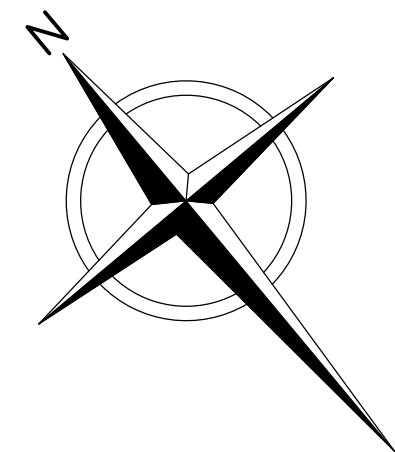


LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- RIGHT OF WAY LINE
- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS (AS LABELED)
- EXISTING GROUND ELEVATION
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING FENCE LINE
- EXISTING CONCRETE
- EXISTING BUILDING
- EXISTING TREE LINE
- EXISTING GUIDE RAIL
- EXISTING CURB LINE
- EXISTING OVERHEAD WIRE
- EXISTING UTILITY POLE
- EXISTING CULVERT
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STRUCTURE
- PROPOSED DUAL CONTAINMENT LEACHATE CONVEYANCE PIPE
- PROPOSED LEACHATE TRENCH DRAIN
- PROPOSED REINFORCED CONCRETE PAD
- PROPOSED STORMWATER MANAGEMENT PIPING
- PROPOSED STORMWATER TRENCH DRAIN
- LIMIT OF DISTURBANCE (APPROXIMATE)

NOTES:

- SEE PLAN SHEET 5 OF THIS PLAN SET FOR LEGEND AND BASE MAP NOTES.
- ANY IMPORTED TOPSOIL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- OFF-SITE DISPOSAL OF EXCESS CUT SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.



0 30 60
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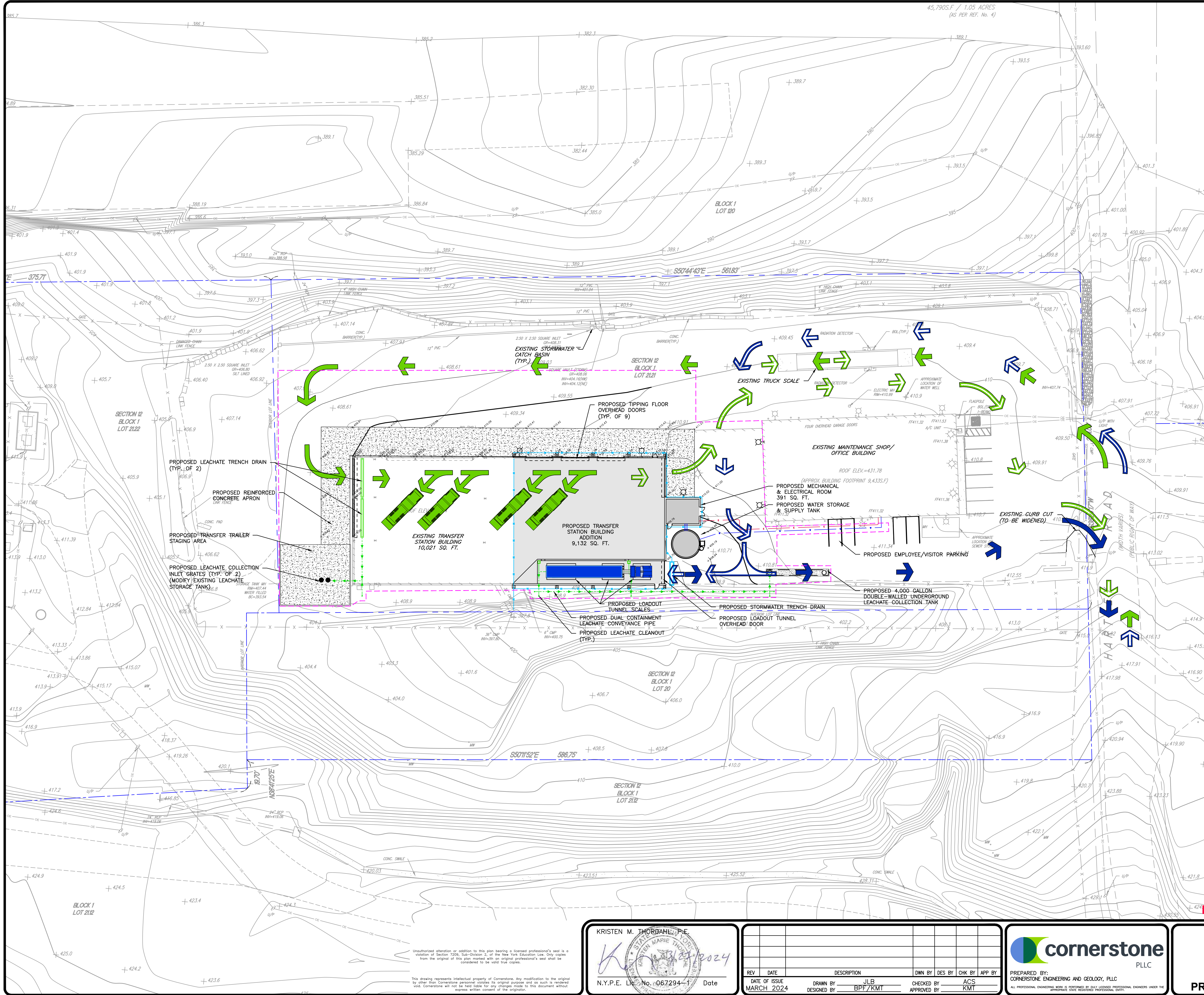
I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

PROPOSED FACILITY MODIFICATIONS
PROPOSED SITE PLAN

SHEET NO.

6

PROJECT NO.
4223429

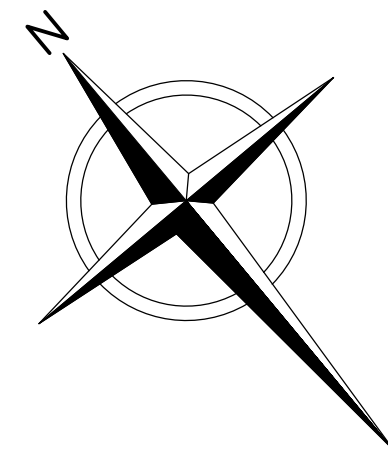


LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- RIGHT OF WAY LINE
- EXISTING MINOR CONTOURS
- EXISTING MAJOR CONTOURS (AS LABELED)
- EXISTING GROUND ELEVATION
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING FENCE LINE
- EXISTING CONCRETE
- EXISTING BUILDING
- EXISTING TREE LINE
- EXISTING GUIDE RAIL
- EXISTING CURB LINE
- EXISTING OVERHEAD WIRE
- EXISTING UTILITY POLE
- EXISTING CULVERT
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STRUCTURE
- PROPOSED DUAL CONTAINMENT LEACHATE CONVEYANCE PIPE
- PROPOSED LEACHATE TRENCH DRAIN
- PROPOSED REINFORCED CONCRETE PAD
- PROPOSED STORMWATER MANAGEMENT PIPING
- PROPOSED STORMWATER TRENCH DRAIN
- LIMIT OF DISTURBANCE (APPROXIMATE)
- TRANSFER VEHICLE
- TIPPING VEHICLE
- LOADED TIPPING VEHICLE FLOW PATH
- EMPTY TIPPING VEHICLE FLOW PATH
- LOADED TRANSFER VEHICLE FLOW PATH
- EMPTY TRANSFER VEHICLE FLOW PATH

NOTES:

- SEE PLAN SHEET 5 OF THIS PLAN SET FOR LEGEND AND BASE MAP NOTES.



0 30 60
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GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

PROPOSED FACILITY MODIFICATIONS
PROPOSED VEHICLE CIRCULATION PLAN

SHEET NO.

7

PROJECT NO.
4223429



- NOTES:**
1. SEE PLAN SHEET 5 OF THIS PLAN SET FOR LEGEND AND BASE MAP NOTES.

NOTES:

1. SEE PLAN SHEET 5 OF THIS PLAN SET FOR LEGEND AND BASE MAP NOTES.



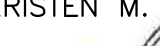
I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

SHEET NO.
8
PROJECT NO.
4223429

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  2024

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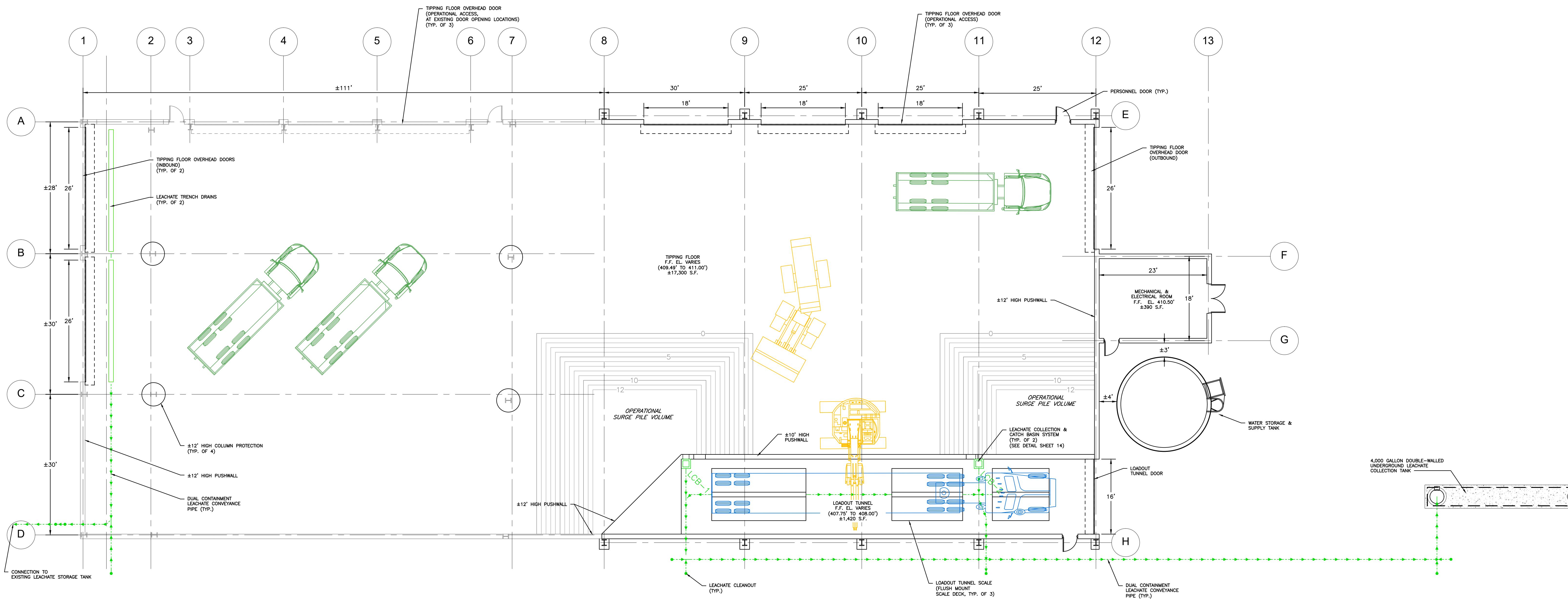
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GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

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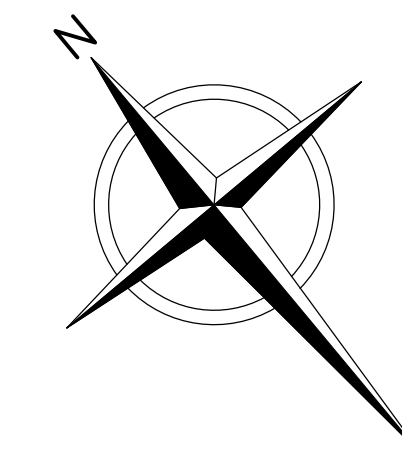
FLOOR PLAN

SCALE: 1" = 10'

1
10

NOTES:

1. THE LOCATIONS OF EMERGENCY EQUIPMENT, INCLUDING FIRE EXTINGUISHERS AND FIRE ALARM PULL BOXES, WILL BE IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODES AND NFPA REQUIREMENTS.



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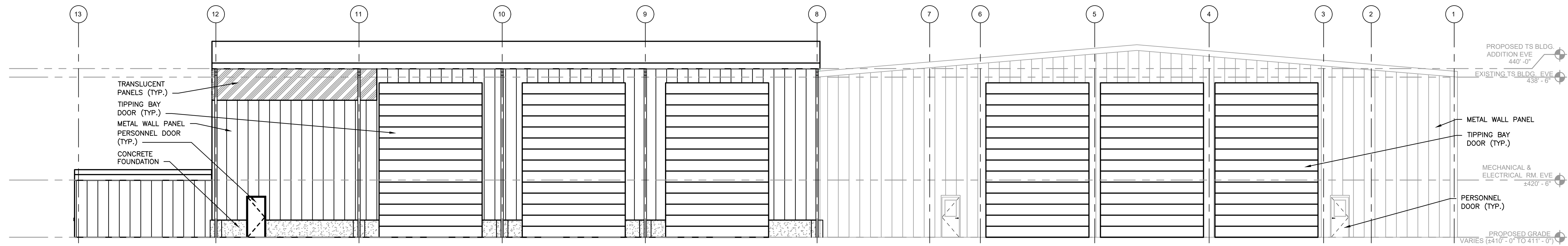
I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

PROPOSED FACILITY MODIFICATIONS
PROPOSED OPERATIONS FLOOR PLAN

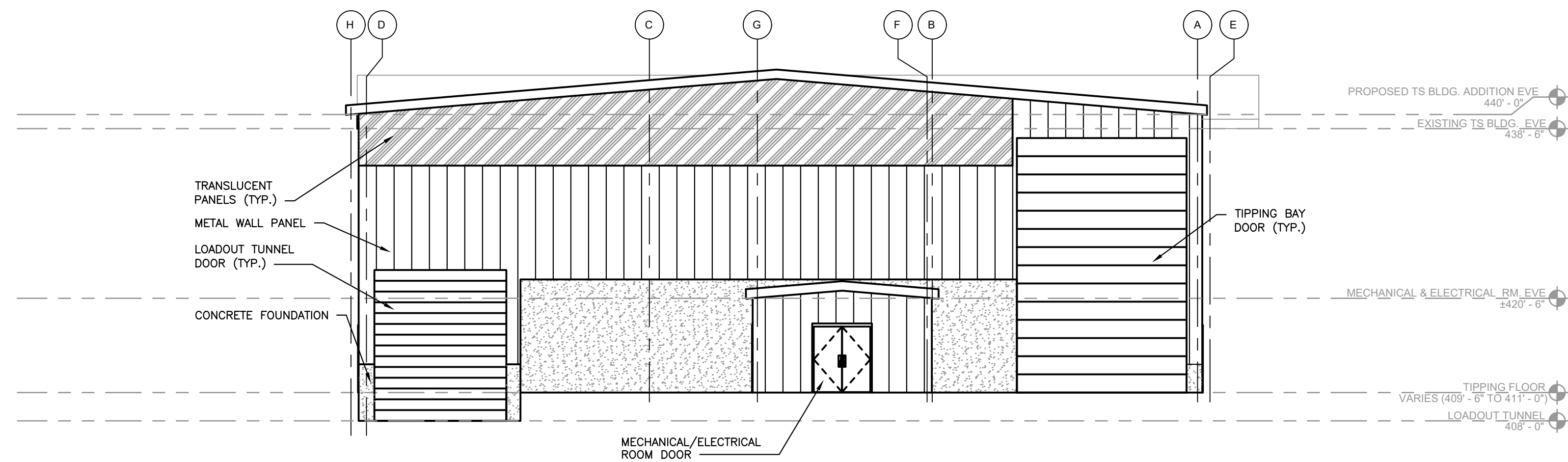
SHEET NO.

10

PROJECT NO.
4223429



NORTH
ELEVATION 1
SCALE: 1"=10'-0"



EAST
ELEVATION 2
SCALE: 1"=10'-0"

1" 1/2" 0" 1"

File: A:\PROJECTS\Goshen\Goshen_V223429 - TRANSFER STATION DESIGN\Drawings\Drawings.dwg Layout: SHEET 11 User: b.piedmont@cornerstone.com May 26, 2024 - 8:04am

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BODHI A. PIEDMONT-LEISCHMANN, P.E.
N.Y.P.E. License No. 099699 Date

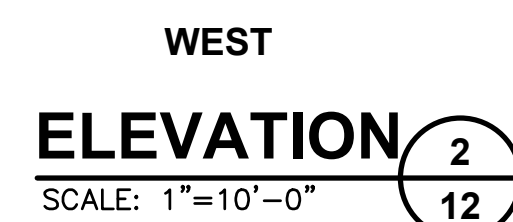
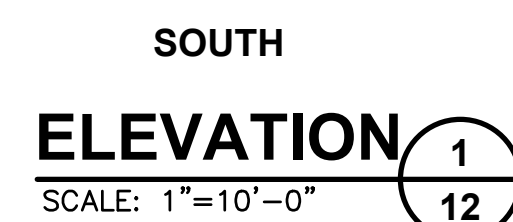
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GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK
PROPOSED FACILITY MODIFICATIONS
PROPOSED BUILDING ELEVATIONS

SHEET NO.
11
PROJECT NO.
4223429

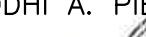


SHEET NO.
12
PROJECT NO.
4223429

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BODHI A. PIEDMONT-FLEISCHMANN, P.E.

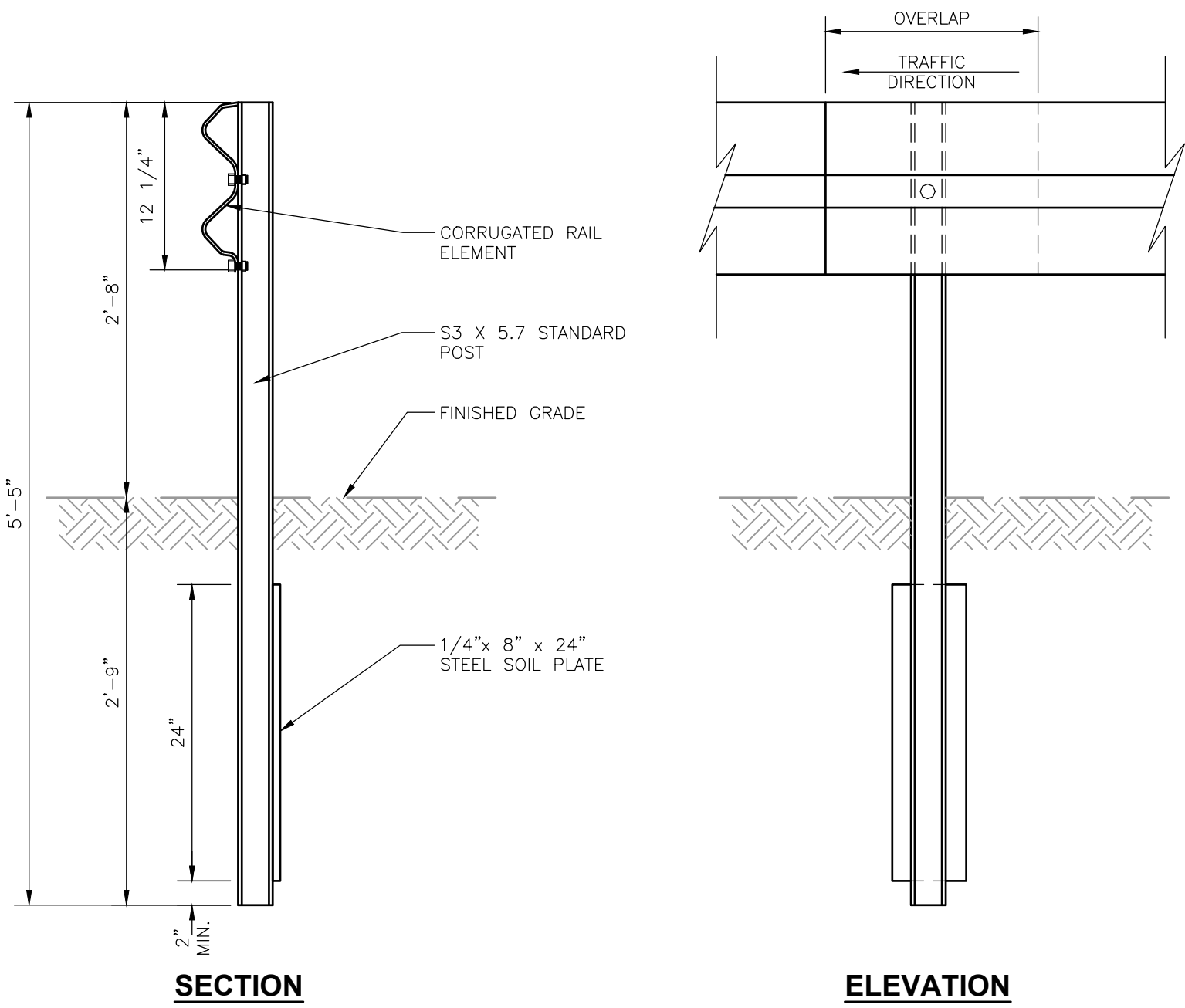
N.Y.P.E. Lic. No. 099699 Date

[illegible]

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PLLC

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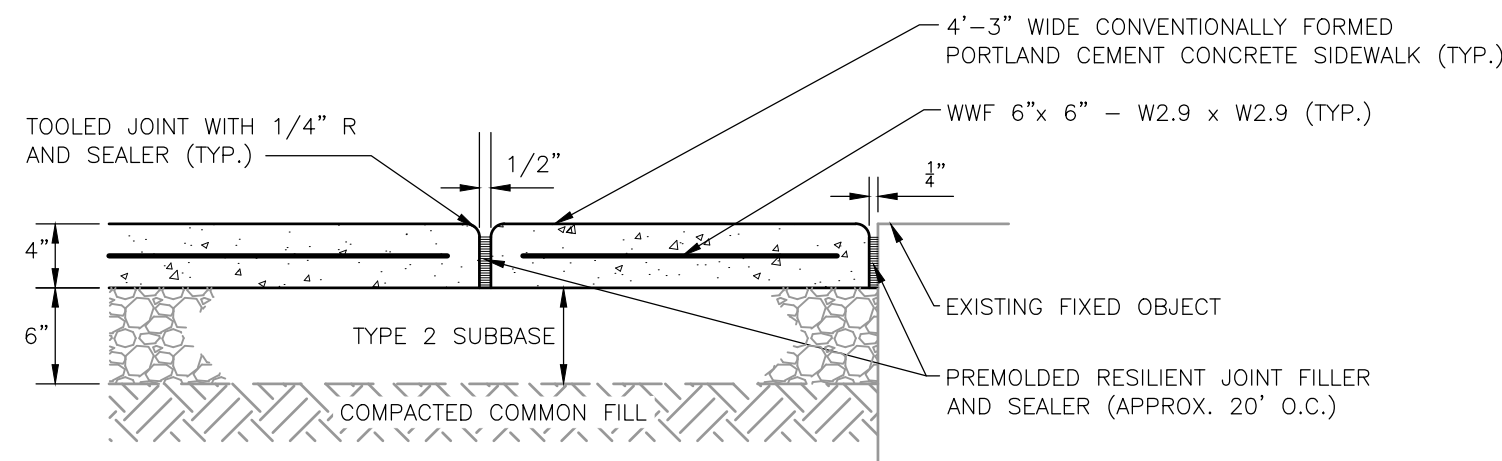
- NOTES:
- GUIDE RAIL SHALL BE IN ACCORDANCE WITH NYSDOT CORRUGATED BEAM GUIDE RAIL, U.S. CUSTOMARY STANDARD SHEET 606-07.
 - GUIDE RAIL SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 710-20.
 - ALL RAIL SPLICES TO OVERLAP IN THE DIRECTION OF TRAFFIC FLOW.

W-BEAM GUIDE RAIL

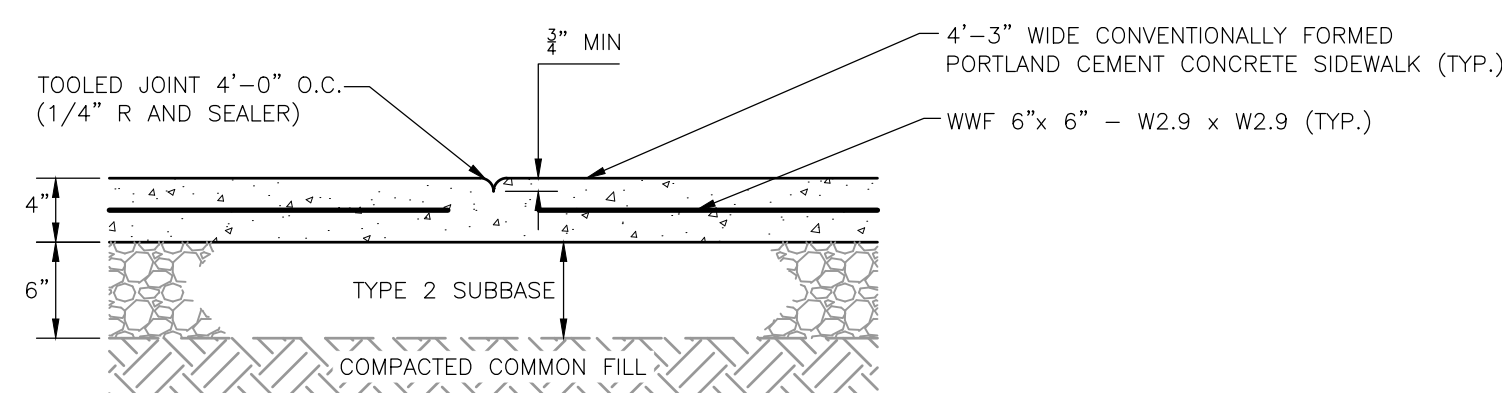
DETAIL

SCALE: 1"=1'

1
13



EXPANSION JOINT



CONTRACTION JOINT

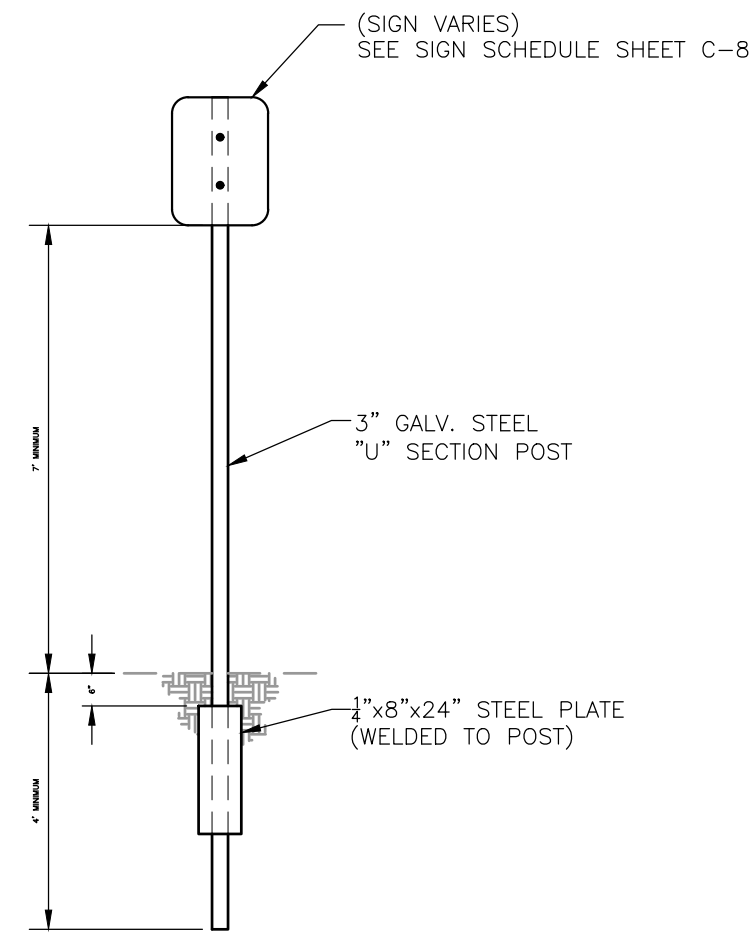
- NOTES:
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 12, 2012, AND ALL ADDENDA THERETO; THE ONLY EXCEPTION BEING THAT THE WORK OF THIS CONTRACT SHALL BE MEASURED IN ENGLISH UNITS.
 - SIDEWALK CONSTRUCTION AND MATERIALS SHALL CONFORM WITH SECTION 608 - SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
 - PREMOLDED RESILIENT JOINT FILLER SHALL CONFORM WITH SECTION 705-07 - PREMOLDED RESILIENT JOINT FILLER OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
 - ALL EXPOSED SURFACES TO HAVE BROOMED TEXTURE.
 - JOINTS SHALL NOT BE SAW CUT.

CONCRETE SIDEWALK

DETAIL

SCALE: N.T.S.

6
13



NOTES:

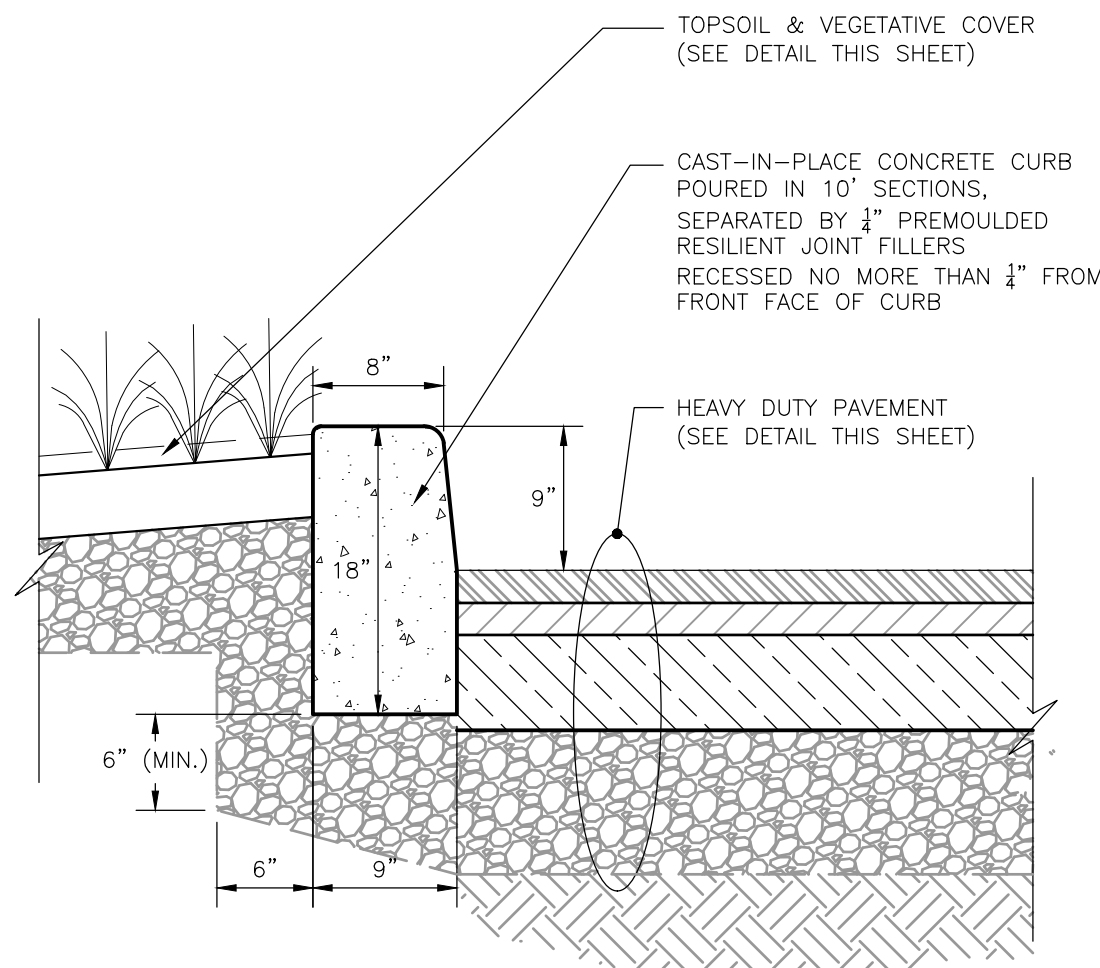
- SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7'. MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS."
- SIGN POST SHALL BE IN ACCORDANCE W/ NYSDOT STANDARD SHEET 645-01.

SINGLE POST SIGN MOUNTING

DETAIL

SCALE: 1"=3'

2
13



NOTES:

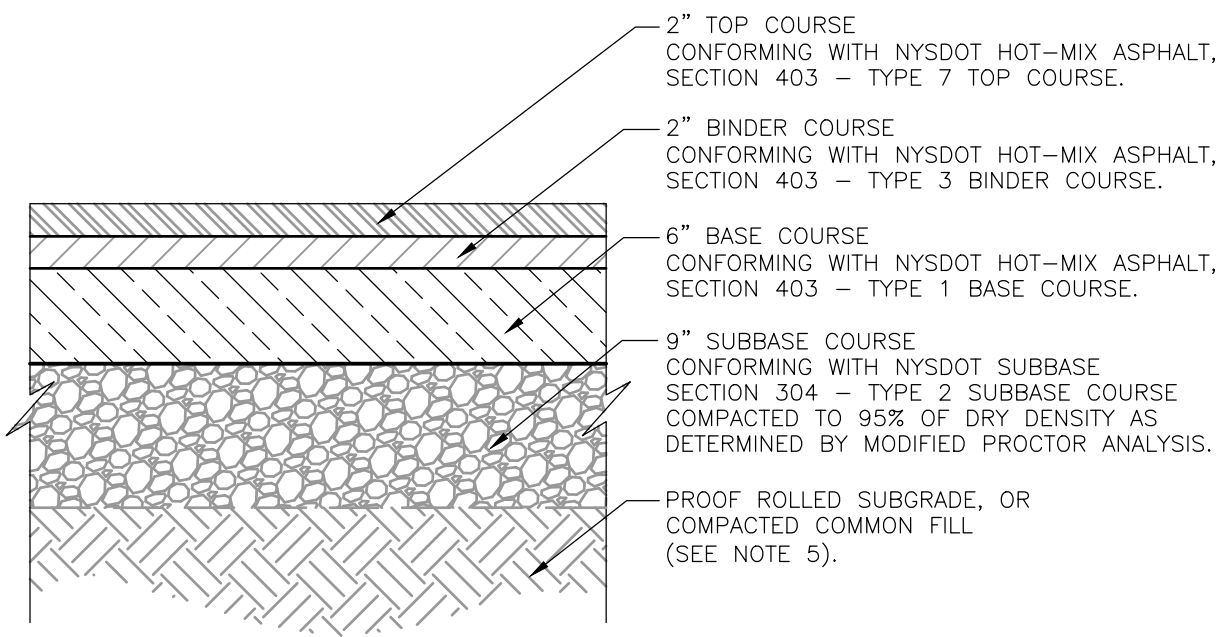
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 12, 2012, AND ALL ADDENDA THERETO; THE ONLY EXCEPTION BEING THAT THE WORK OF THIS CONTRACT SHALL BE MEASURED IN ENGLISH UNITS.
- CURB CONSTRUCTION AND MATERIALS SHALL CONFORM WITH SECTION 609 - CURB AND CURB & GUTTER OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- PREMOLDED RESILIENT JOINT FILLER SHALL CONFORM WITH SECTION 705-07 - PREMOLDED RESILIENT JOINT FILLER OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- PRECAST CONCRETE CURB MAY BE SUBSTITUTED WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

TYPICAL CONCRETE CURB

DETAIL

SCALE: 1" = 1'

7
13



NOTES:

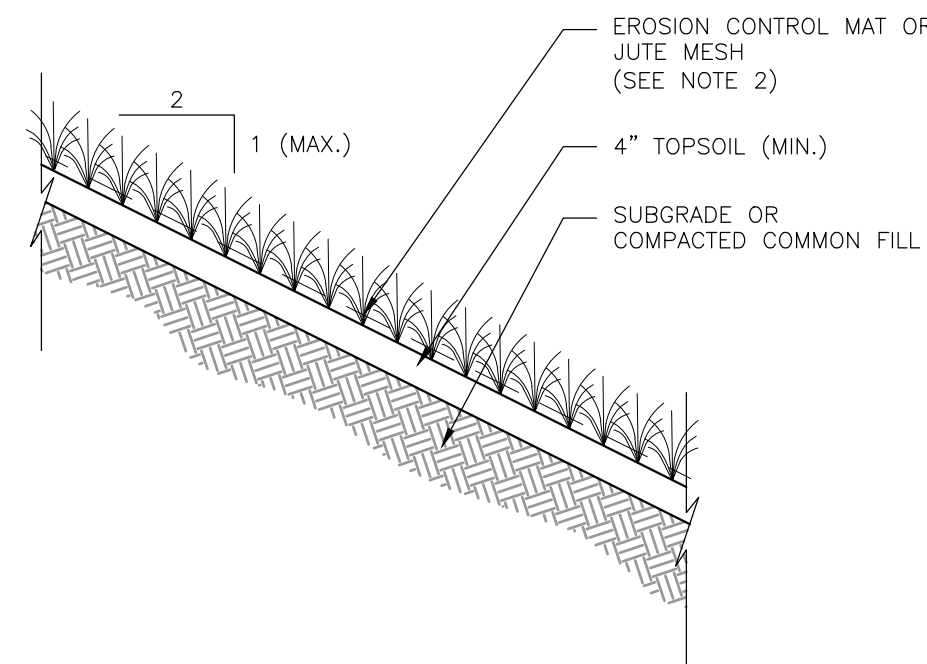
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JANUARY 12, 2012, AND ALL ADDENDA THERETO; THE ONLY EXCEPTION BEING THAT THE WORK OF THIS CONTRACT SHALL BE MEASURED IN ENGLISH UNITS.
- SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
- HOT MIX ASPHALT PAVEMENT SHALL CONFORM WITH SECTION 400-HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH SECTION 400 IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER SECTION 403-HOT MIX ASPHALT PAVEMENTS FOR MUNICIPALITIES.
- TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407-TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

HEAVY DUTY PAVEMENT

SECTION

SCALE: 1"=1'

3
13



NOTES:

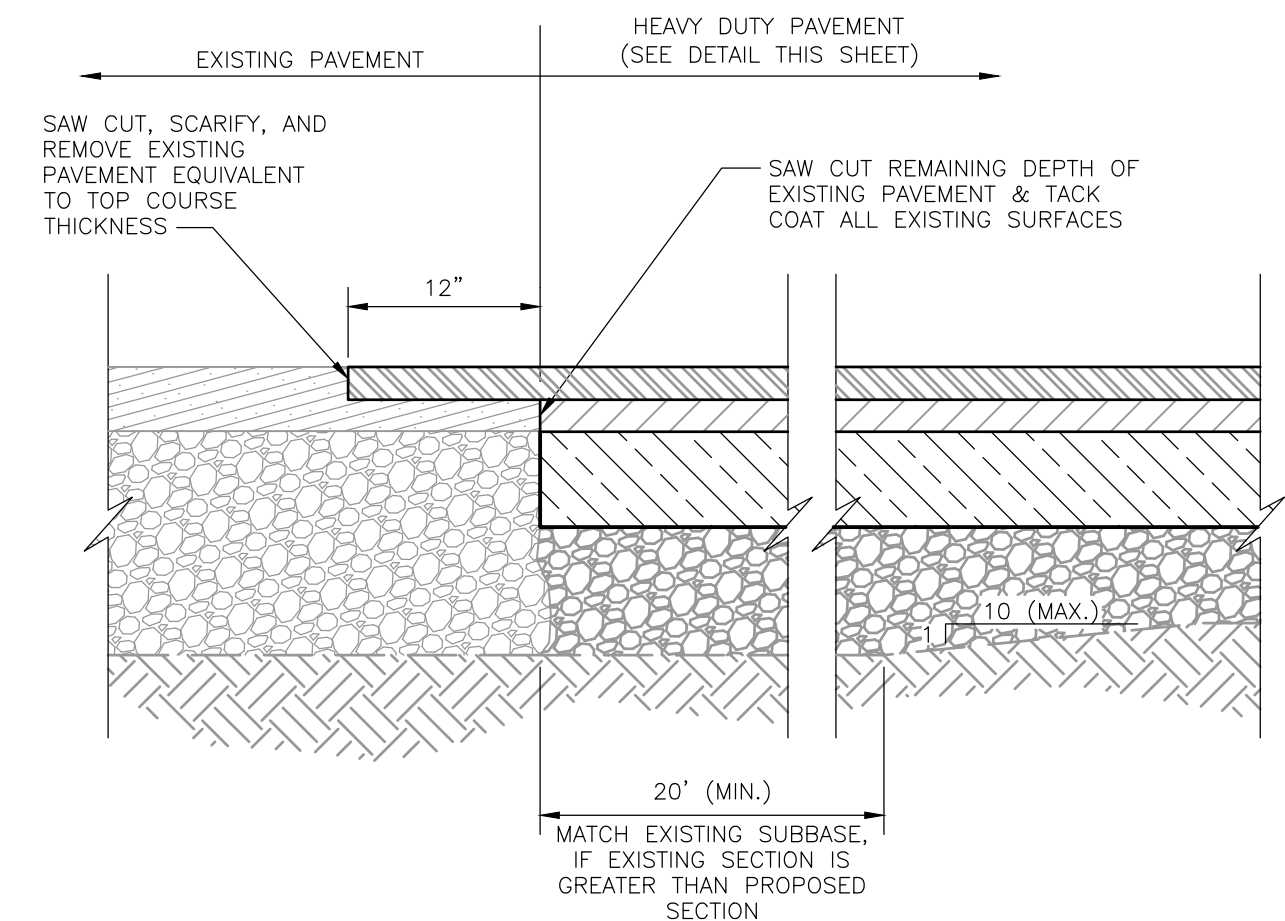
- APPLICATION OF FERTILIZER, SEED, AND MULCH TO BE APPLIED IN ACCORDANCE WITH THE SITE RESTORATION SPECIFICATION AND THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- ON SLOPES STEEPER THAN 10%, EROSION CONTROL MAT TO BE INSTALLED IN COMPLIANCE WITH NYSDOT STANDARD SPECIFICATIONS. ON SLOPES SHALLOWER THAN 10%, JUTE MESH TO BE INSTALLED IN COMPLIANCE WITH NYSDOT STANDARD SPECIFICATIONS.
- ON SLOPES STEEPER THAN 2H:1V, SOIL REINFORCING MAY BE REQUIRED.

TOPSOIL & VEGETATIVE COVER

DETAIL

SCALE: 1"=2'

8
13

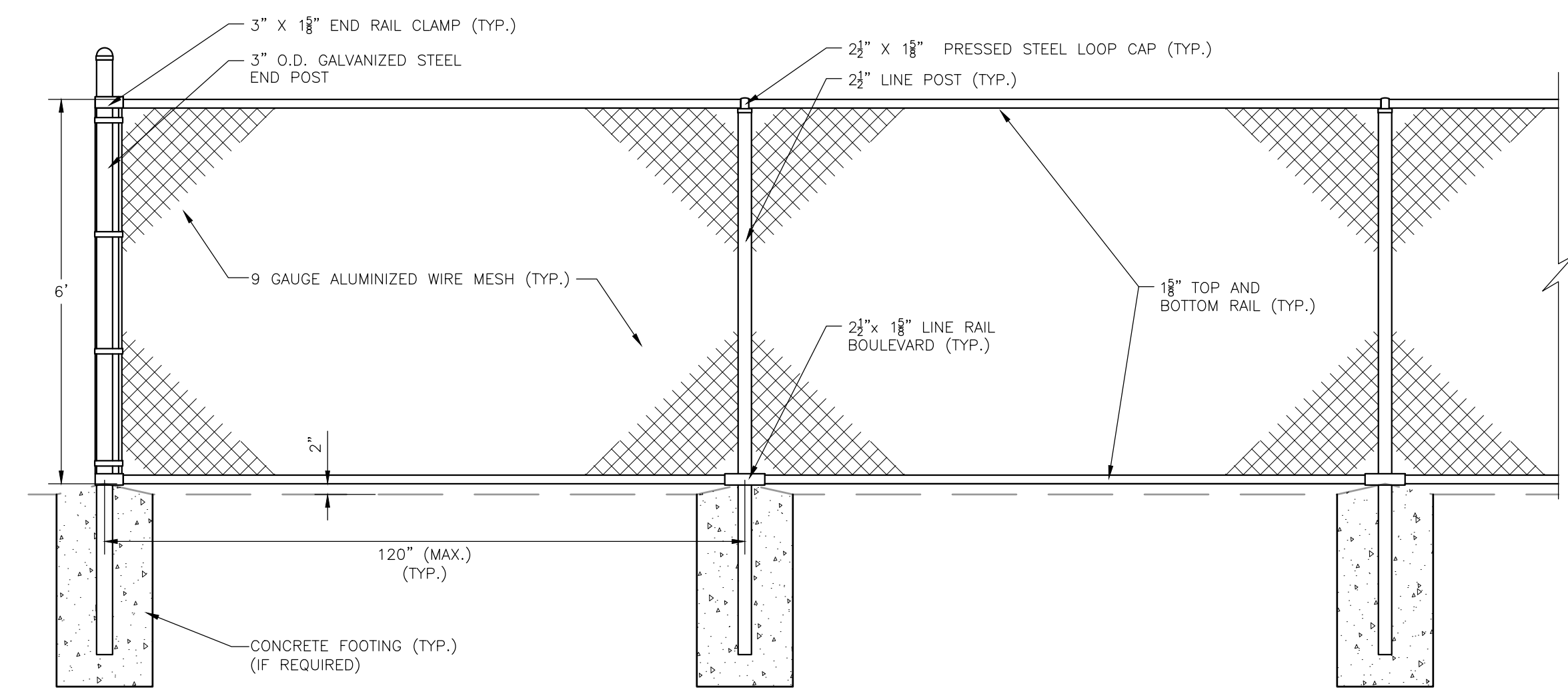


PAVEMENT TRANSITION

SECTION

SCALE: 1"=1'

5
13



CHAIN LINK FENCE

DETAIL

SCALE: 1"=2'

9
13

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I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

PROPOSED FACILITY MODIFICATIONS
PROPOSED SITE DETAILS

SHEET NO.

13

PROJECT NO.

4223429

KRISTEN M. THORBAHN, P.E.

10/1/2024

N.Y.P.E. Lic. No. 067294-1 Date

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	MARCH 2024	DATE OF ISSUE	JLB	ACS	ACS	KMT
2		DESIGNED BY	BPF/KMT			
3		CHECKED BY				
4		APPROVED BY				

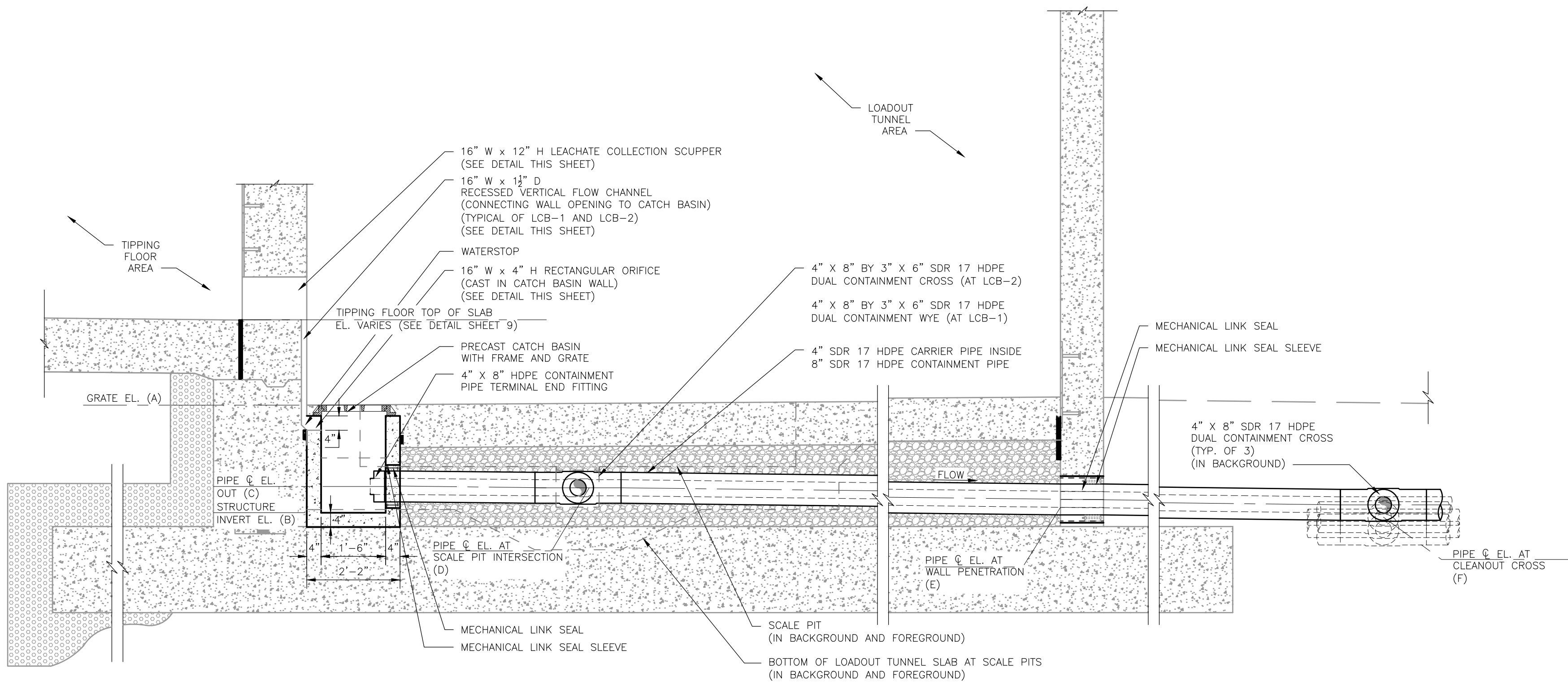
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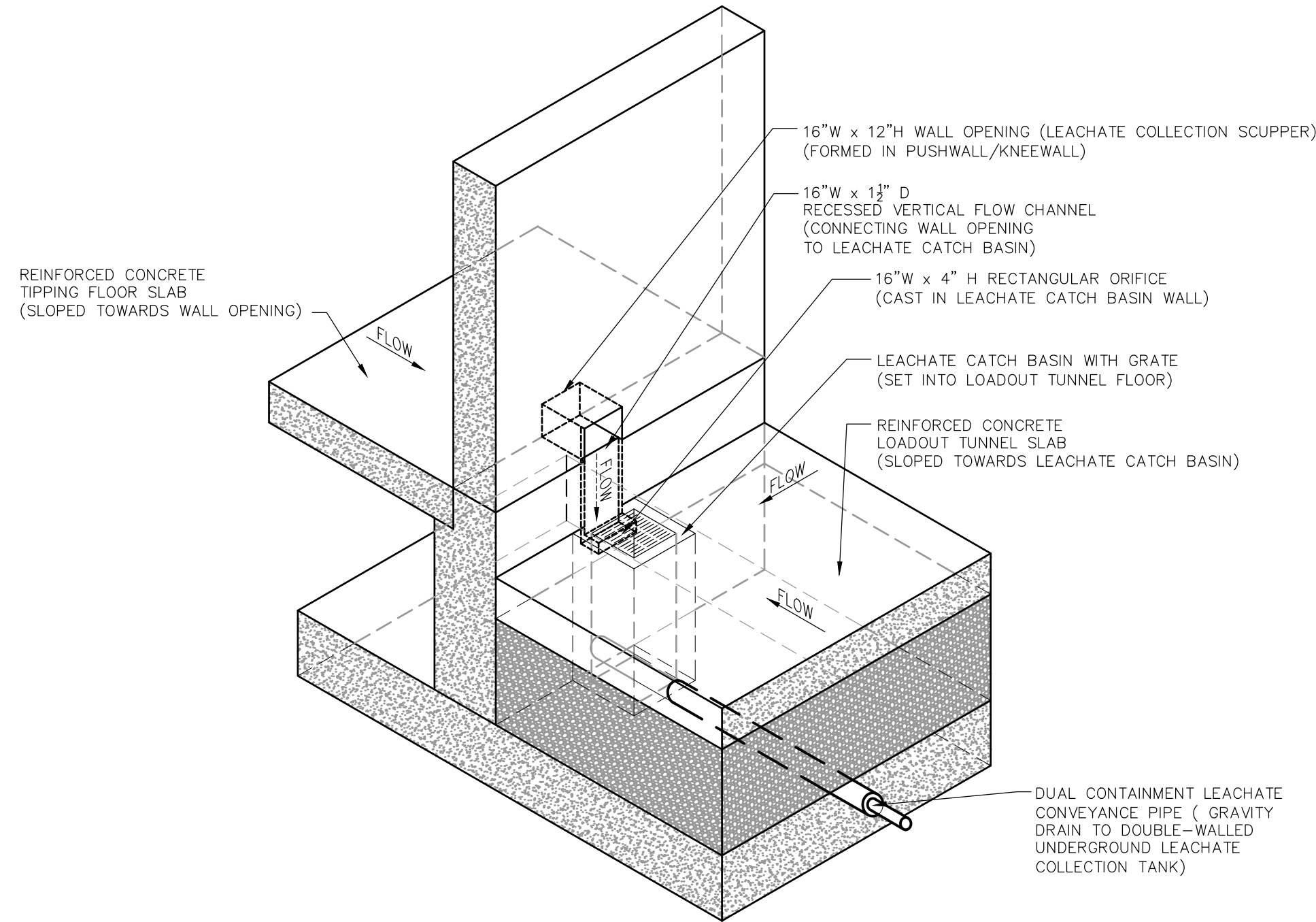
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STRUCTURE	GRATE EL. (A)	STRUCTURE INVERT EL. (B)	PIPE C. EL. OUT (C)	PIPE C. EL. AT SCALE PIT INTERSECTION (D)	PIPE C. EL. AT WALL PENETRATION (E)	PIPE C. EL. AT CLEANOUT CROSS (F)
LCB-1	407.75	405.25	405.79	405.70	405.55	405.44
LCB-2	407.75	405.25	404.44	405.70	404.75	404.16

- NOTES:
- FOR FURTHER CLARITY REGARDING HORIZONTAL ALIGNMENT OF STRUCTURES AND LEACHATE PIPING, SEE DETAIL SHEET 9, "PROPOSED GENERAL ARRANGEMENT FLOOR PLAN".
 - DEPICTED CATCH BASIN IS REPRESENTATIVE OF A 18" X 18" CATCH BASIN, MEETING H20 HIGHWAY LOADING.
 - FRAME AND GRATE MODEL 18" X 18", MEETING H20 HIGHWAY LOADING.
 - THE INTERIOR OF THE CATCH BASIN WILL BE INSTALLED WITH A CORROSION RESISTANT COATING OR LINING.



LEACHATE COLLECTION SCUPPER TO LEACHATE CATCH BASIN

ISOMETRIC

SCALE: N.T.S.

1

14

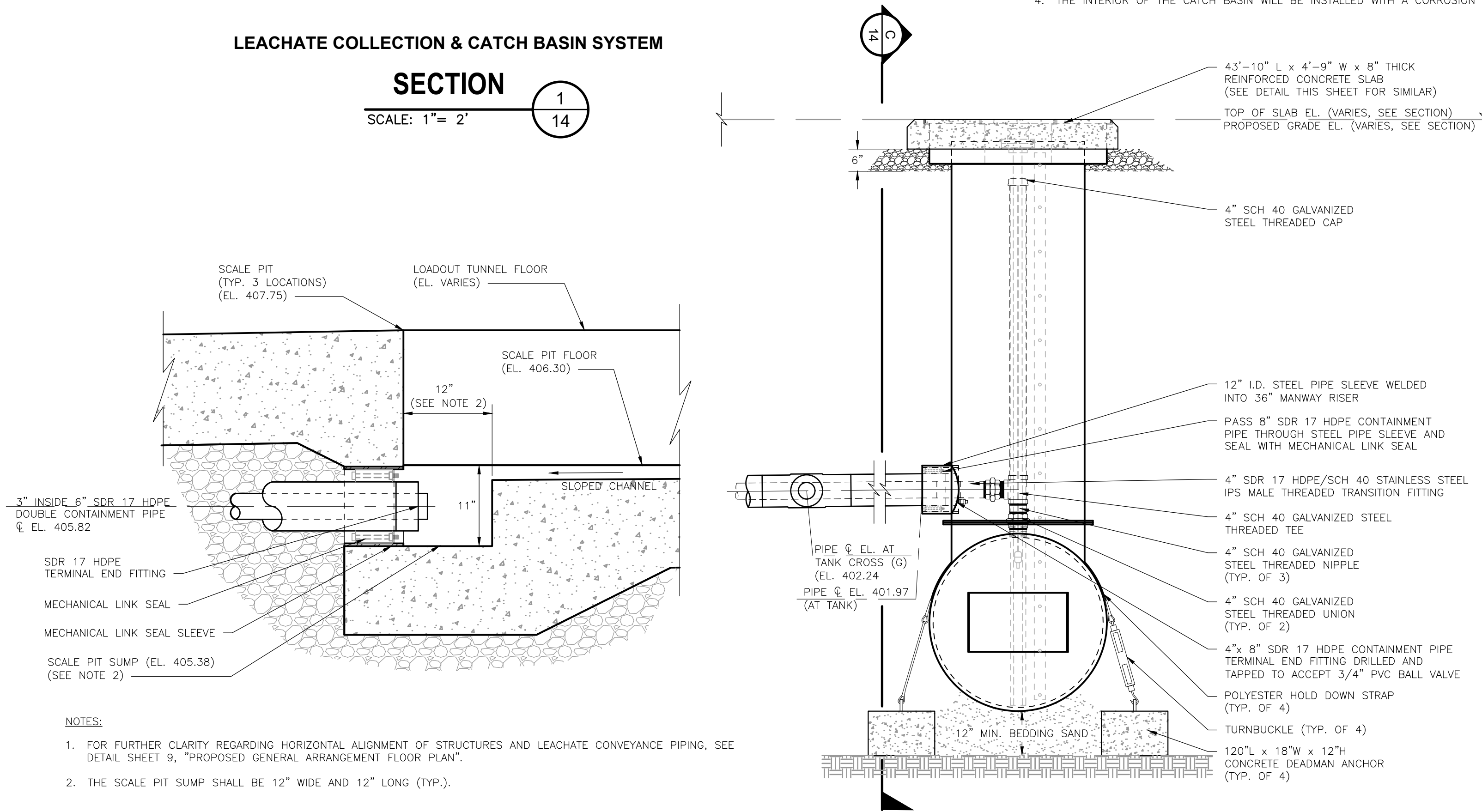
LEACHATE COLLECTION & CATCH BASIN SYSTEM

SECTION

SCALE: 1"= 2'

1

14



SCALE PIT SUMP & LEACHATE CONVEYANCE PIPE

DETAIL

SCALE: 1"= 1'

2

14

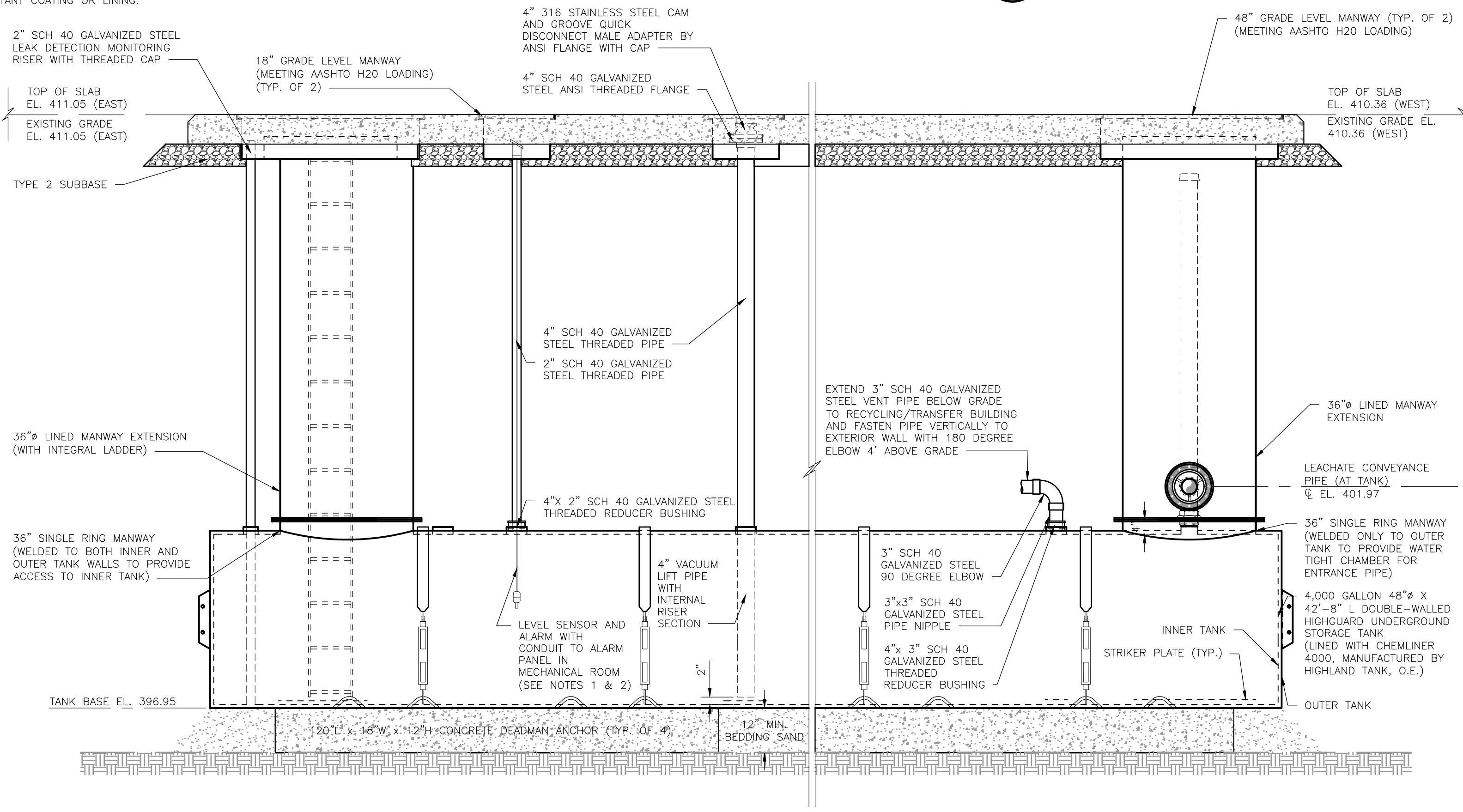
4,000 GALLON DOUBLE-WALLED UNDERGROUND LEACHATE COLLECTION TANK

SECTION

SCALE: 1"= 2'

B

14



- NOTES:
- LEVEL SENSOR TO BE SERIES HTF STANDARD TWO FLOAT SENSOR (AS MANUFACTURED BY HIGHLAND TANK, O.E.). INITIAL FLOAT TO BE INSTALLED AT AN ELEVATION TO TRIGGER A LEVEL ALARM WHEN THE LIQUID LEVEL IN THE TANK REACHES APPROXIMATELY 75% OF TANK CAPACITY BY VOLUME. SECOND FLOAT TO BE INSTALLED AT AN ELEVATION TO TRIGGER A HIGH LEVEL ALARM WHEN THE LIQUID LEVEL IN THE TANK REACHES APPROXIMATELY 90% OF TANK CAPACITY BY VOLUME.
 - LEVEL SENSOR TO BE CONNECTED TO TWO CHANNEL ALARM PANEL.
 - REINFORCED CONCRETE SLAB FOR LEACHATE STORAGE TANK TO BE REINFORCED WITH #5 BARS @ 12" O.C. EACH WAY, WITH TWO (2) ADDITIONAL #5 BARS AROUND OPENINGS.

4,000 GALLON DOUBLE-WALLED UNDERGROUND LEACHATE COLLECTION TANK

SECTION

SCALE: 1"=2'

C

14

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I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

PROPOSED FACILITY MODIFICATIONS
PROPOSED LEACHATE MANAGEMENT DETAILS

SHEET NO.

14

PROJECT NO.

4223429

KRISTEN M. THORBALE, P.E.



N.Y.P.E. License No. 067294-1 Date

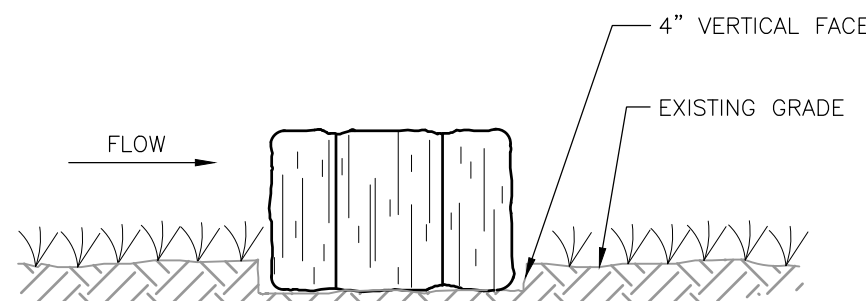
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2		CHECKED BY	ACS	CHECKED BY	KMT	APPROVED BY



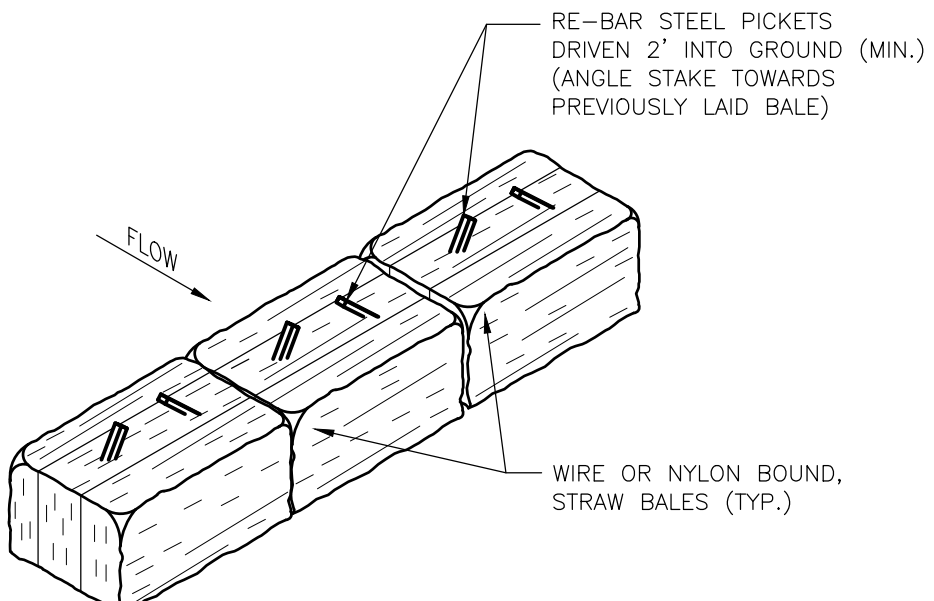
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EMBEDDING VIEW



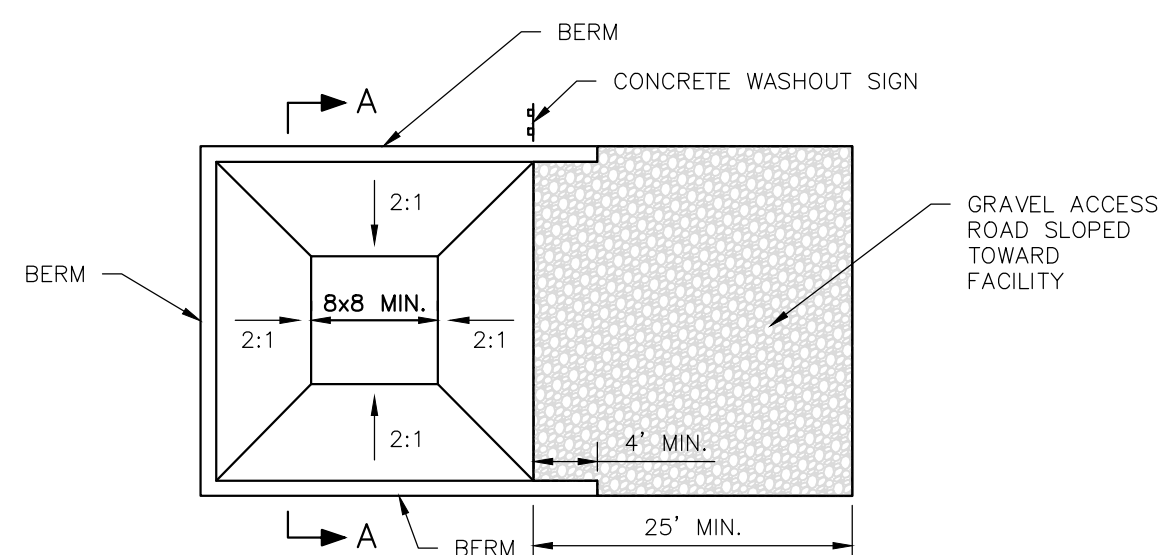
ISOMETRIC VIEW

STRAW BALE

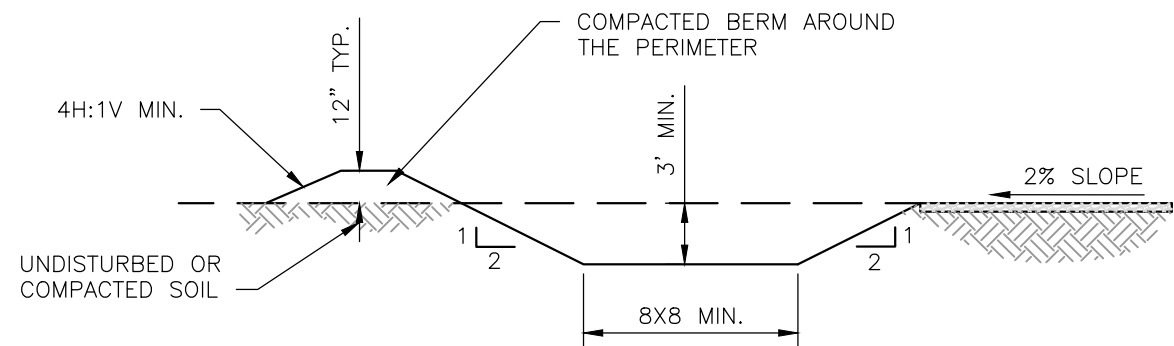
DETAIL

SCALE: N.T.S.

1
16



PLAN



SECTION "A"

NOTES:

1. LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATER.
2. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD.
3. PROVIDE A GRAVEL ACCESS ROAD TO FACILITY THAT IS SLOPED DOWN TO FACILITY.
4. SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.
5. ALL WASHOUT FACILITIES SHALL BE LINED TO PREVENT LEACHING OF LIQUIDS INTO THE GROUND. THE LINER SHALL BE PLASTIC SHEETING HAVING A MINIMUM THICKNESS OF 10 MILS WITH NO HOLES OR TEARS, AND ANCHORED BEYOND THE TOP OF THE PIT WITH AN EARTHEN BERM, SAND BAGS, STONE, OR OTHER STRUCTURAL APPURTENANCES EXCEPT AT THE ACCESS POINT.
6. PREFABRICATED WASHOUT FACILITIES CAN BE USED BUT THEY MUST CAPTURE AND CONTAIN CONCRETE WASH AND BE SIMILARLY SIZED AS SHOWN ABOVE AND LOCATED AS NOTED ABOVE.
7. WASH WATER IS ESTIMATED TO BE 7 GALLONS PER CHUTE AND 50 GALLONS PER HOPPER OF A PUMP TRUCK AND/OR DISCHARGING DRUM.

MAINTENANCE:

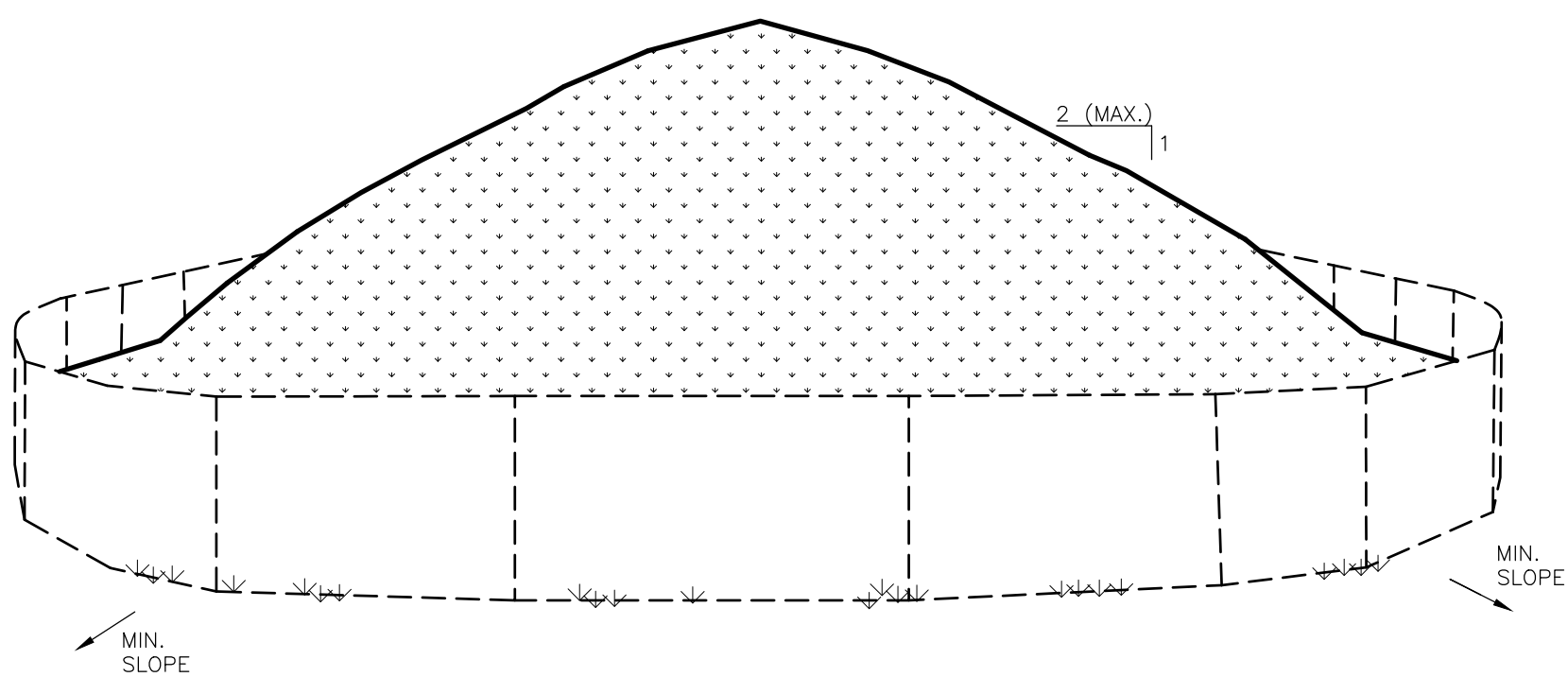
1. CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY.
2. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
3. EXCESS ACCUMULATED RAINWATER OVER HARDENED CONCRETE SHALL BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
4. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE FACILITY IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF-SITE AT A PERMITTED C&D LANDFILL. NO ONSITE DISPOSAL WILL BE ALLOWED.
5. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE FACILITY.
6. INSPECT PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

CONCRETE DELIVERY TRUCK WASHOUT AREA

DETAIL

SCALE: N.T.S.

3
16



NOTES:

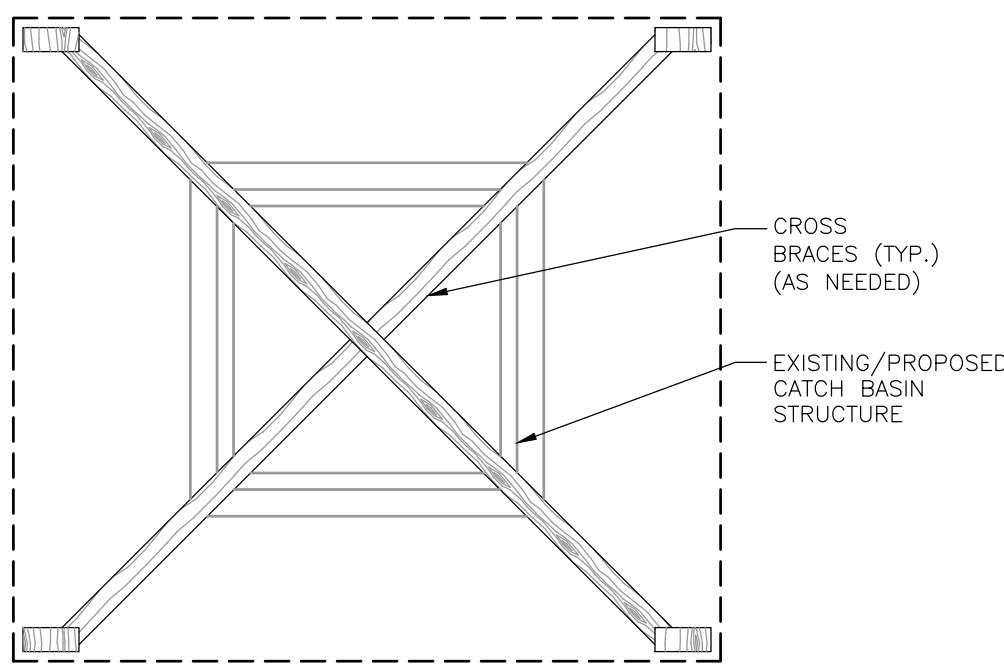
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED SHOULD THE STOCKPILE REMAIN FOR MORE THAN FOURTEEN (14) DAYS.
4. PLACEMENT OF THE SURROUNDING SILT FENCE SHALL BE IN ACCORDANCE WITH THE SILT FENCE DETAIL.
5. STOCKPILE HEIGHT SHOULD NOT EXCEED TWENTY (20) FEET.

TEMPORARY SOIL STOCKPILE

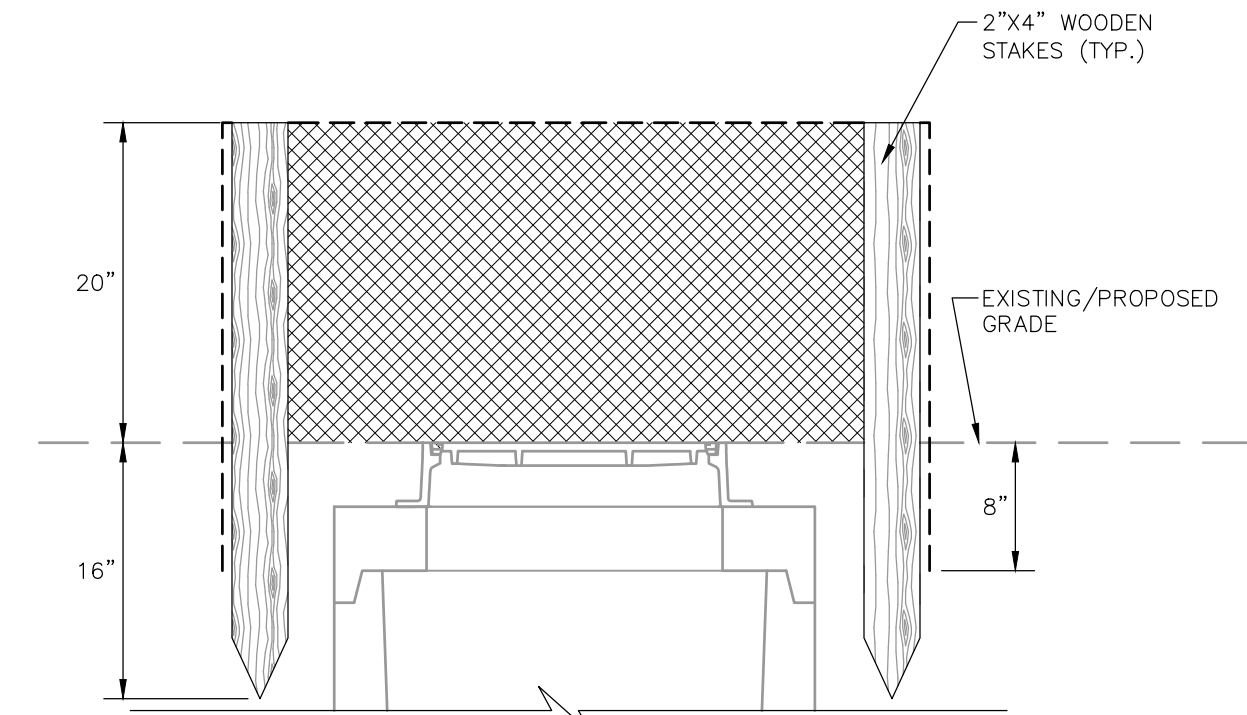
DETAIL

SCALE: N.T.S.

2
16



PLAN VIEW



SIDE VIEW

NOTES:

1. CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE.
2. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET.
3. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 16" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT.
4. FABRIC SHALL BE EMBEDDED 8" MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
5. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.
6. INLET PROTECTION SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN STABILIZED.

DANDY SACK INLET PROTECTION

DETAIL

SCALE: N.T.S.

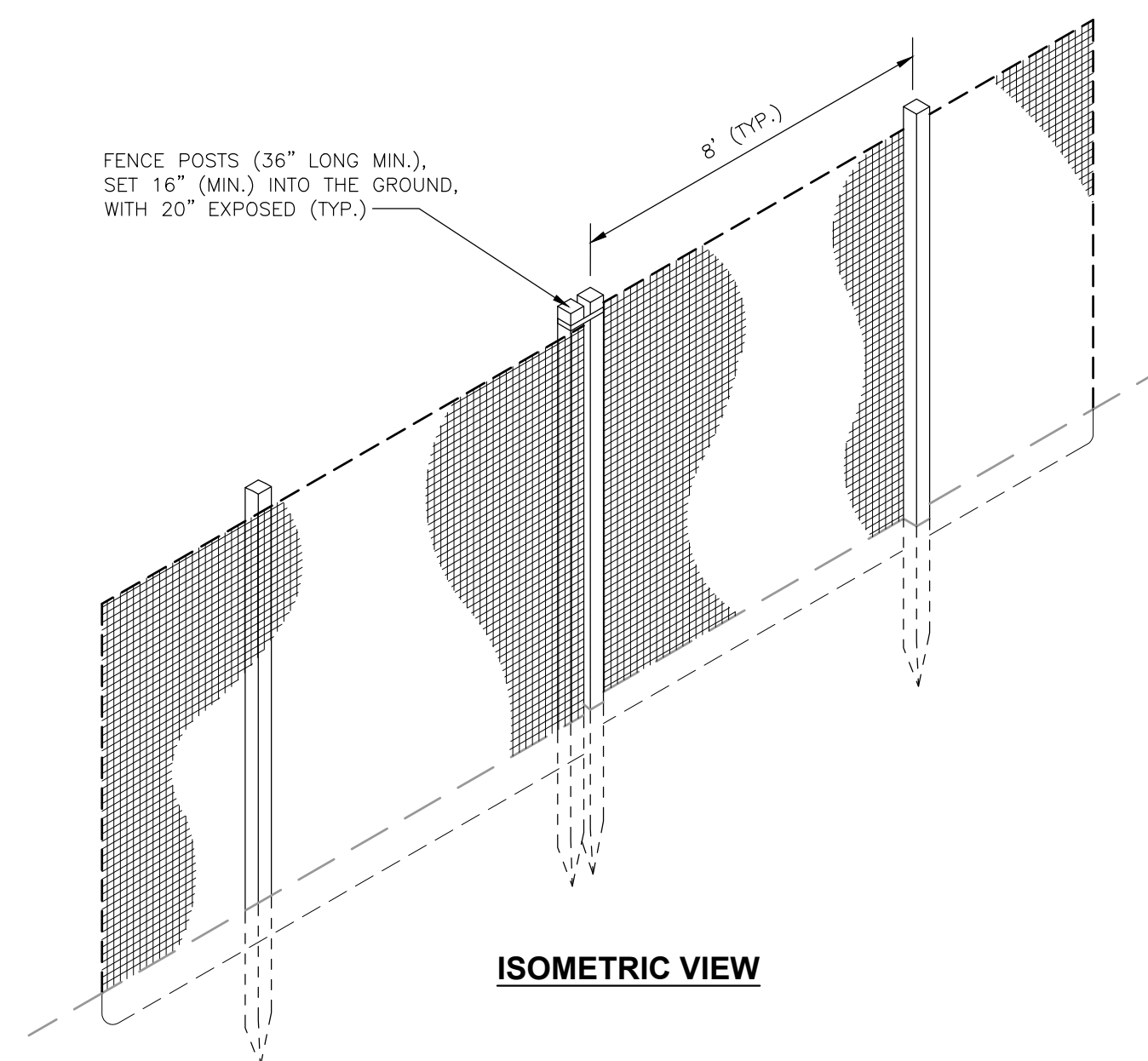
4
16

CATCH BASIN INLET PROTECTION

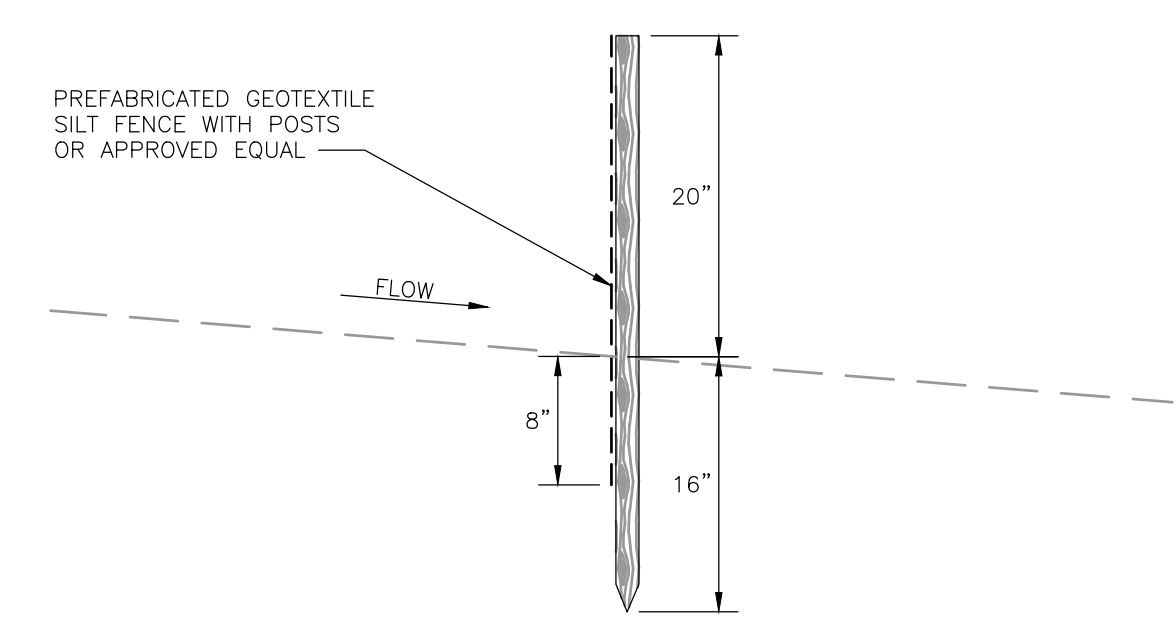
DETAIL

SCALE: 1"=1'

5
16



ISOMETRIC VIEW



SECTION VIEW

NOTES:

1. DUE TO THE DENSE COMPACTION AND PHYSICAL COMPOSITION OF THE IN-SITU SOILS THE CONTRACTOR MAY BE REQUIRED TO UTILIZE ALTERNATE MATERIALS FOR USE AS FENCE POSTS OR PRE-DRILL EMBEDMENT CORES TO ENSURE SATISFACTORY INSTALLATION AND PERFORMANCE OF THE SILT FENCE.
2. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 12" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE.
4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE TENAX 700 OR APPROVED EQUAL.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
6. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
7. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
8. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
9. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE:

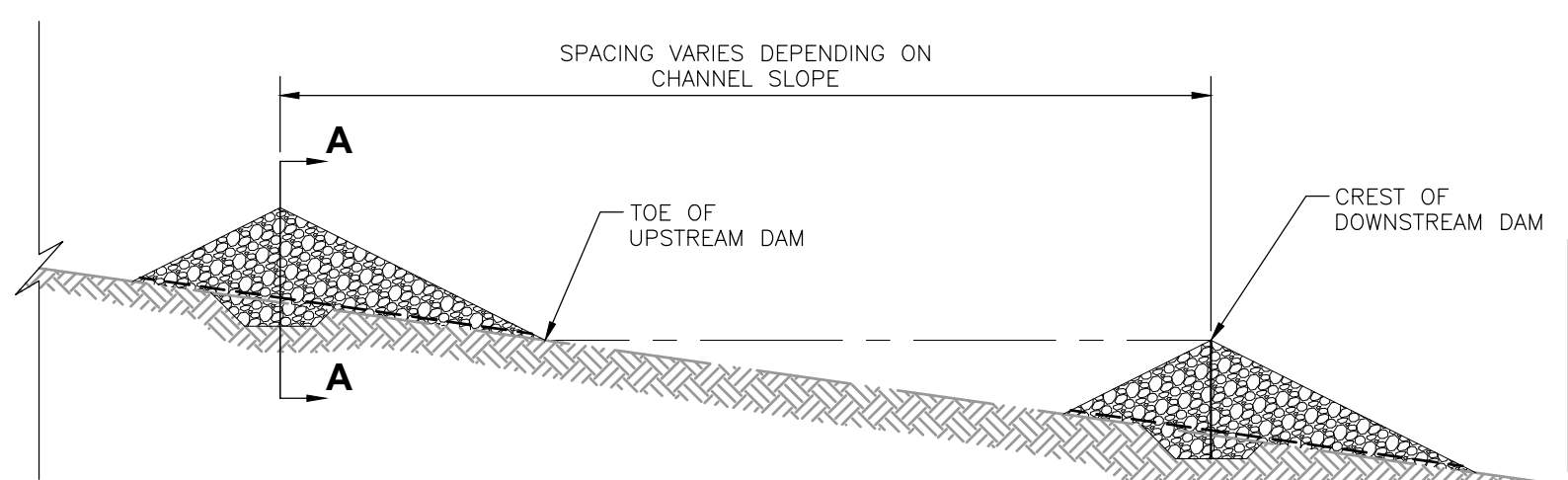
SLOPE STEEPNESS	MAXIMUM SLOPE LENGTH(FT)
2:1	25
3:1	50
4:1	75
5:1 OR FLATTER	100

REINFORCED SILT FENCE

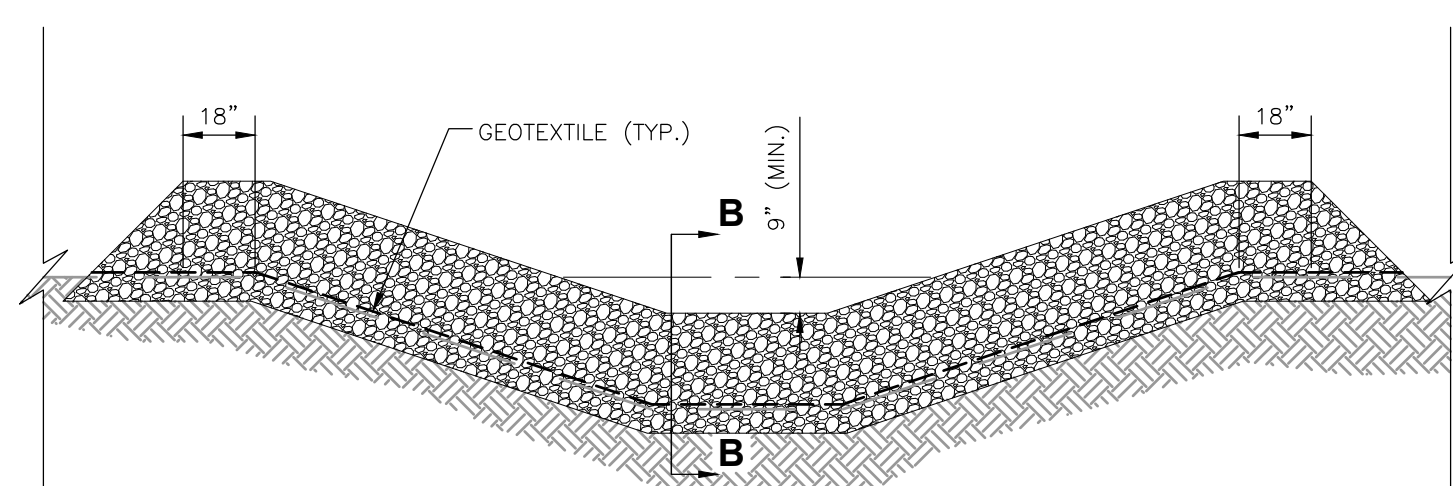
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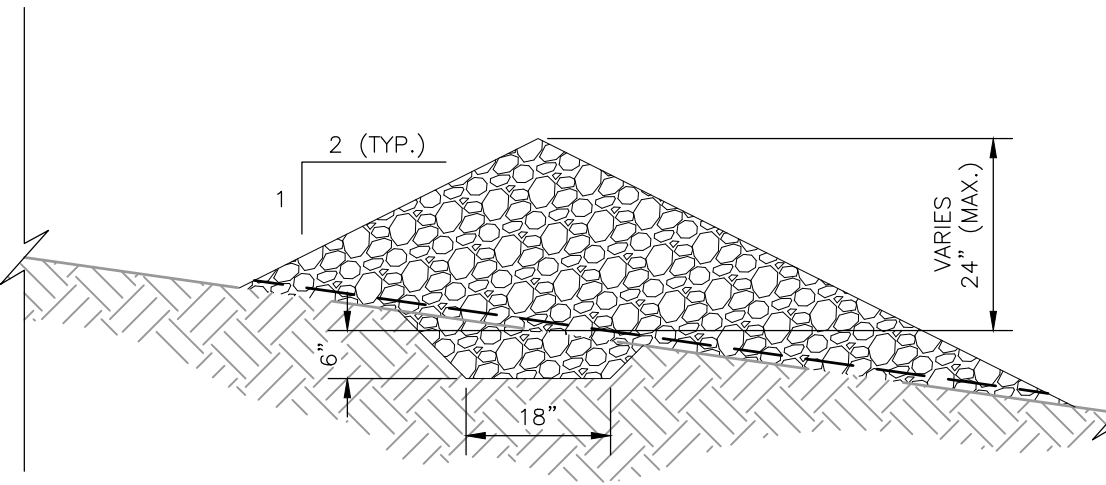
6
16



PROFILE



SECTION A-A



SECTION B-B

NOTES:

1. PLACEMENT OF STONE CHECK DAMS WILL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
2. STONE SHALL BE PLACED ON A GEOTEXTILE FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN AND/OR DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
3. SET SPACING OF CHECK DAMS SUCH THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM ARE AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
4. EXTEND THE STONE A MINIMUM OF EIGHTEEN INCHES (18") BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
5. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR EROSION CONTROL MAT AS APPROPRIATE.
6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
7. MAXIMUM DRAINAGE AREA IS TWO ACRES (2 AC).

STONE CHECK DAM

DETAIL

SCALE: N.T.S.

7
16

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I.W.S. TRANSFER SYSTEMS OF N.Y., INC.
GOSHEN TRANSFER STATION
95 HARTLEY ROAD, GOSHEN, NEW YORK

PROPOSED FACILITY MODIFICATIONS
PROPOSED EROSION & SEDIMENT CONTROL DETAILS

SHEET NO.

16

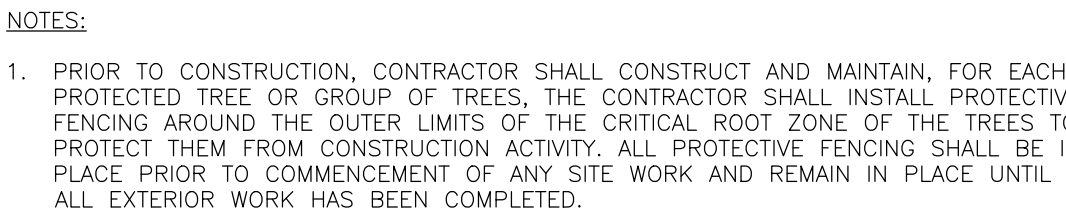
PROJECT NO.
4223429

BODHI A. PIEDMONT-LEISCHMANN, P.E.

N.Y.P.E. Lic. No. 099699 Date

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1	MARCH 2024	DATE OF ISSUE				
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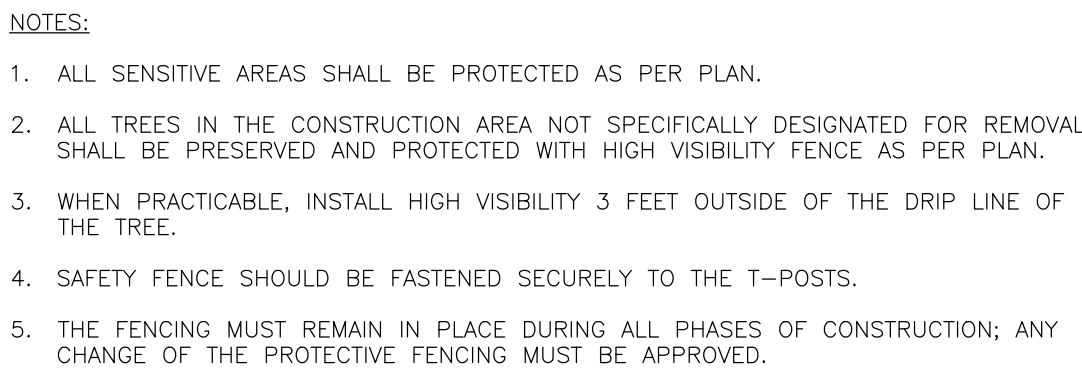
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DETAIL

SCALE: 1"=1'

1
17

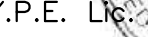


DETAIL

SCALE: NOT TO SCALE

2
17

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PROJECT NC
4223429