

File Name: C:\Users\diabare\appdata\local\temp\AcPublish\_6928MJ972.32 Victory Mills Site Plan.dwg (Layout: 0-COV)  
Date: Thu, Jul 09, 2020 - 10:49 AM (Name: diabare)

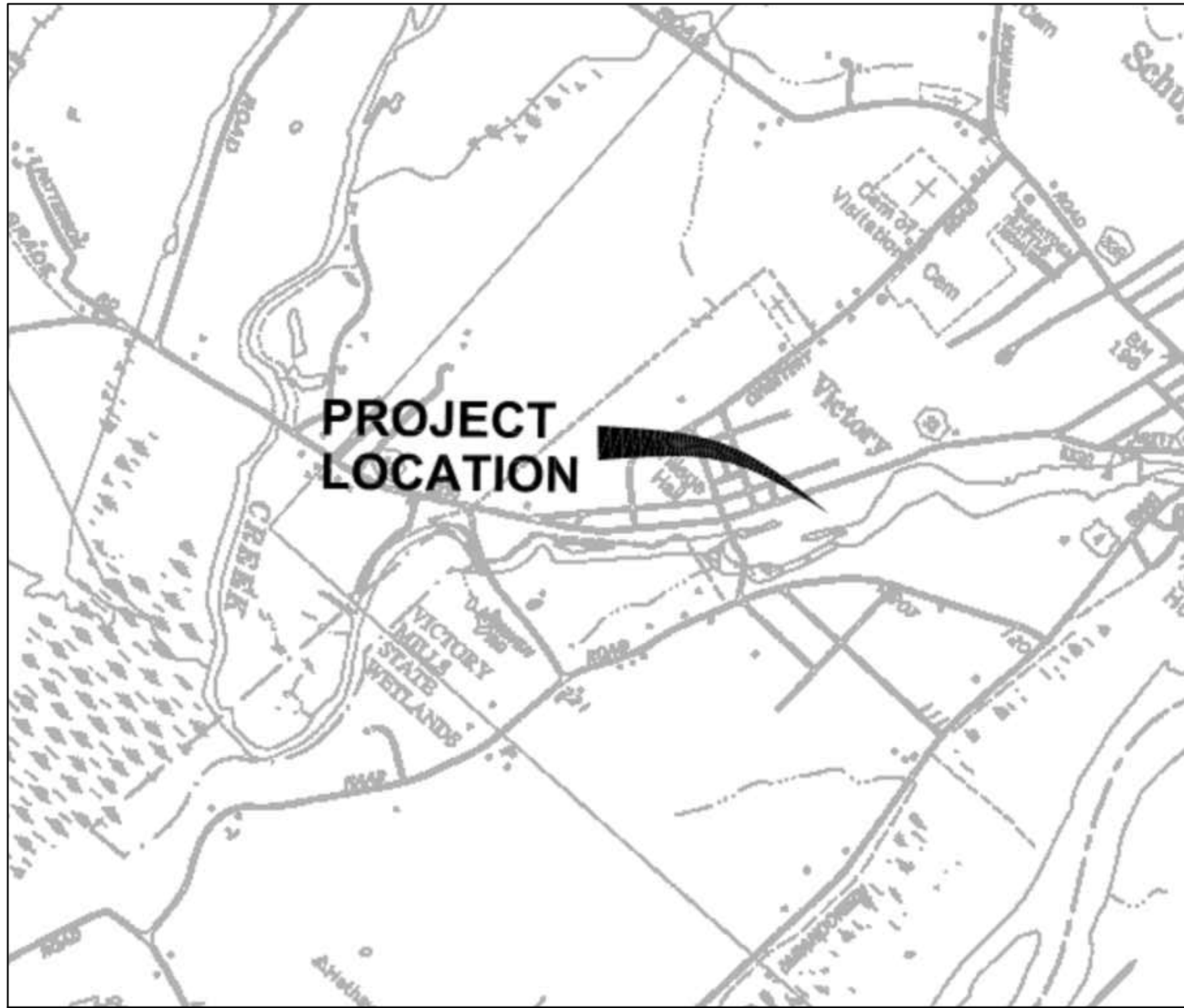
# VICTORY MILLS

## VILLAGE OF VICTORY, SARATOGA COUNTY, NEW YORK

### JULY 8, 2020

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#### RECORD OF SUBMISSION



FIRST SUBMISSION	MAY 10, 2019
SECOND SUBMISSION	NOVEMBER 1, 2019
THIRD SUBMISSION	FEBRUARY 21, 2020
FOURTH SUBMISSION	MAY 21, 2020
FIFTH SUBMISSION	JULY 8, 2020

APPLICANT:  
LARRY REGAN - REGAN DEVELOPMENT  
1055 SAW MILL PARKWAY  
ARDSLEY, NY 10502  
PHONE: 914-693-6613  
E-MAIL: larry@regandevelopment.com

#### SITE LOCATION MAP

NOTE:  
ANCILLARY COMMERCIAL USES REQUIRE  
SEPARATE LOCAL VILLAGE/TOWN AND REGIONAL  
REVIEWS AS MAY BE APPLICABLE.

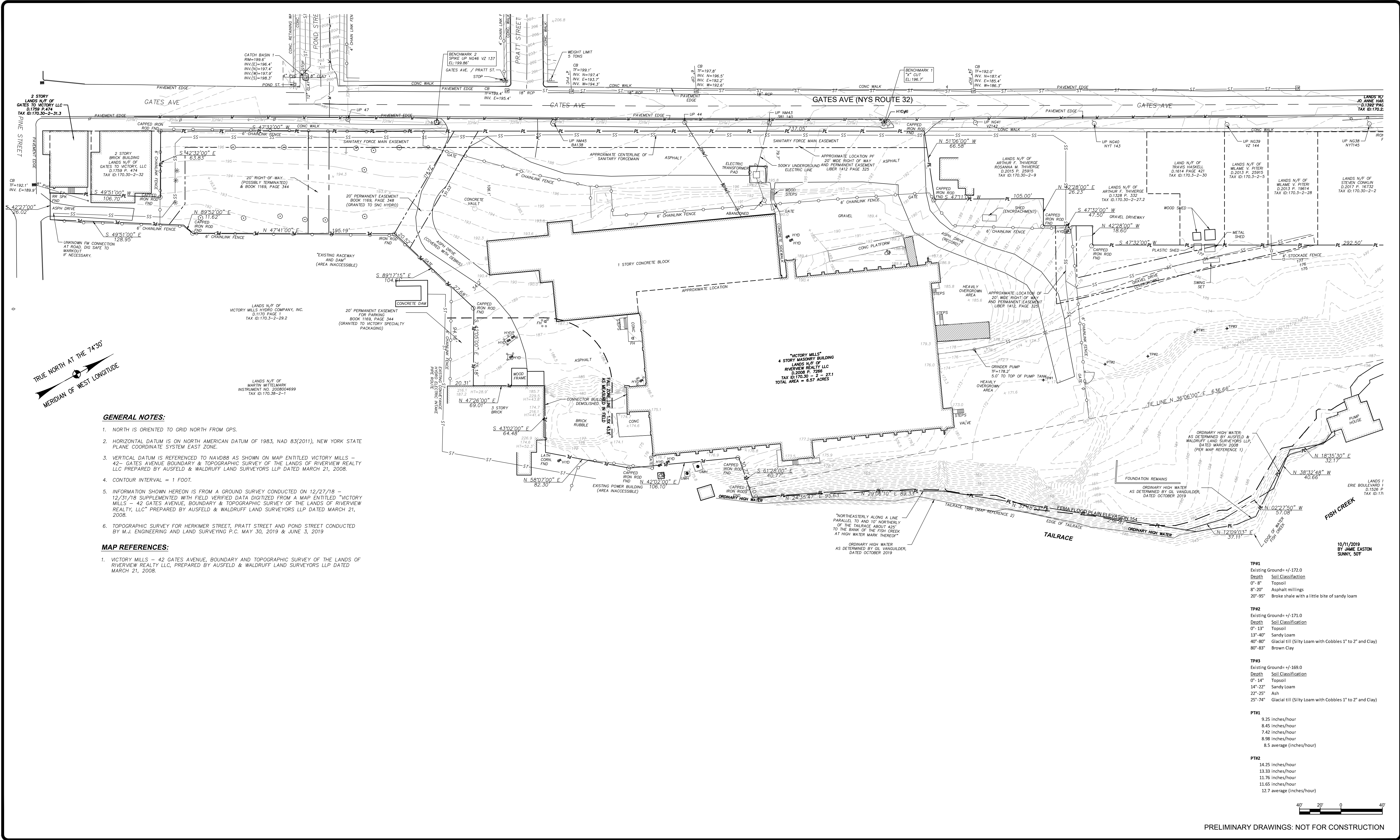
PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

SUBMITTAL / REVISIONS						PROJ. MANAGER: JWE			THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.	 <b>Engineering and Land Surveying, P.C.</b> 1533 Crescent Road - Clifton Park, NY 12065	REGAN DEVELOPMENT		SCALE: N.T.S.	
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE	CHIEF DESIGNER: JWE	CONTRACT No.:							
						DESIGNED BY: JWE	MJ PROJ. No.: 972.32							
						DRAWN BY: APY	DATE: MAY 10, 2019							
						CHECKED BY: JWE								
								DATE			<b>TITLE SHEET</b>			
											42 GATES AVE			
											VILLAGE OF VICTORY NEW YORK			
											<b>C-0</b>			



# C-1





SUBMITTAL / REVISIONS				
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EXISTING CONDITIONS

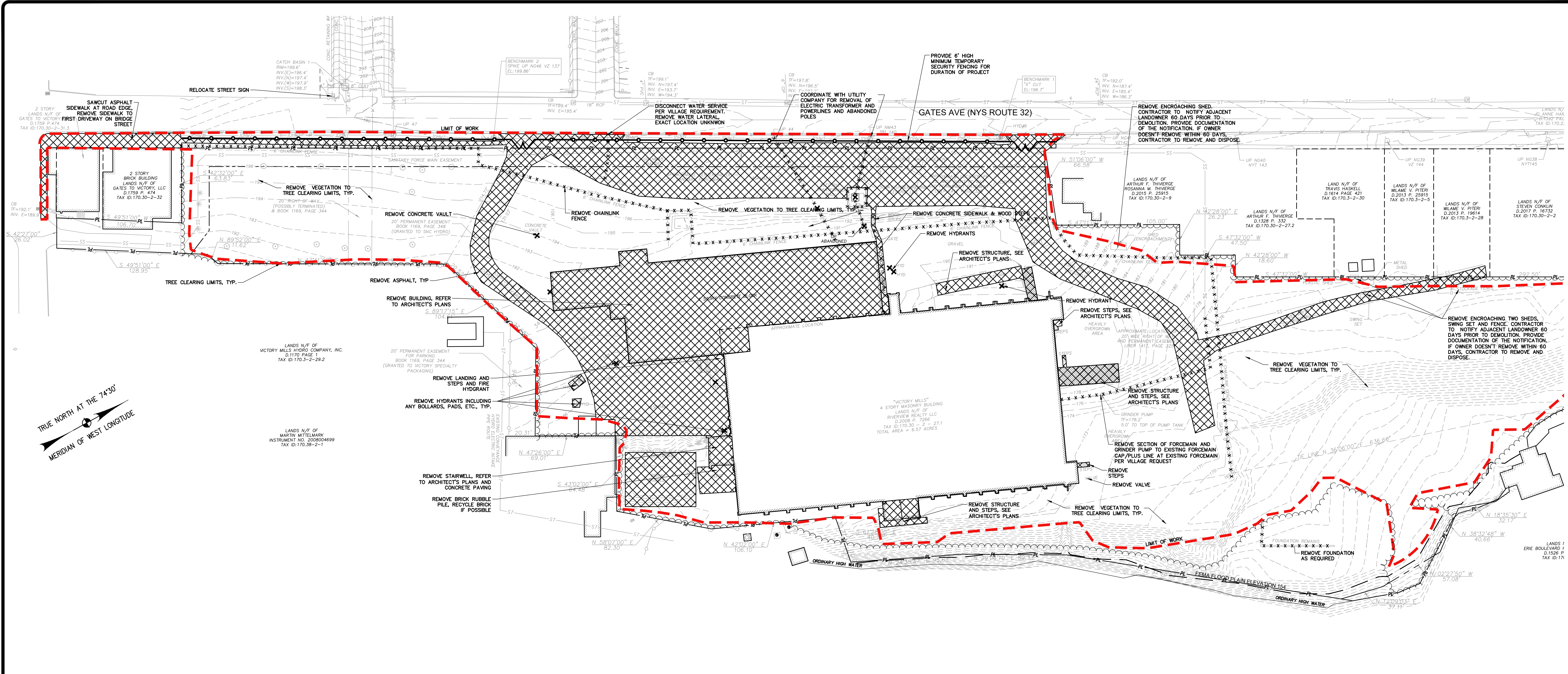
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1"=40'

CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

C-2

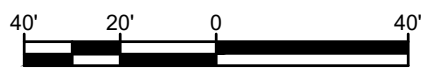




ENVIRONMENTAL NOTE:  
1. ALL SITE CONTAMINATION AS IDENTIFIED IN PHASE 1 REPORT, PREPARED BY PVE, ENTITLED "PHASE 1 ENVIRONMENTAL SITE ASSESSMENT" DATED MAY 20, 2020 SHALL BE REMOVED IN ACCORDANCE WITH NYDEC BROWNFIELD CLEANUP PROCEDURES.

GARBAGE REMOVAL:  
1. ANYTHING NOT SPECIFICALLY NOTED FOR REMOVAL BUT IS REQUIRED PER PROPOSED PLAN SHALL BE REMOVED BY CONTRACTOR  
2. ANY EXISTING ON-SITE DEBRIS OR DELETERIOUS MATERIALS SHALL BE REMOVED FROM THE SITE AS NECESSARY FOR THE INSTALLATION OF PROPOSED WORK AT LEAST 18" BELOW FINISH GRADE.  
3. ALL EXISTING CONSTRUCTION DEBRIS ON GROUND OR PART OF STRUCTURE SHALL BE REMOVED.

PRE-CONSTRUCTION:  
1. CONTRACTOR TO ESTABLISH THE EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE DEMOLITION AND EARTHWORK - SEE DRAWING C-11.  
2. CONTRACTOR TO INSTITUTE MAINTENANCE AND PROTECTION OF TRAFFIC MEASURES PRIOR TO START OF PROJECT - SEE DRAWINGS MPT-1 & MPT-2.



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**REMOVALS PLAN**

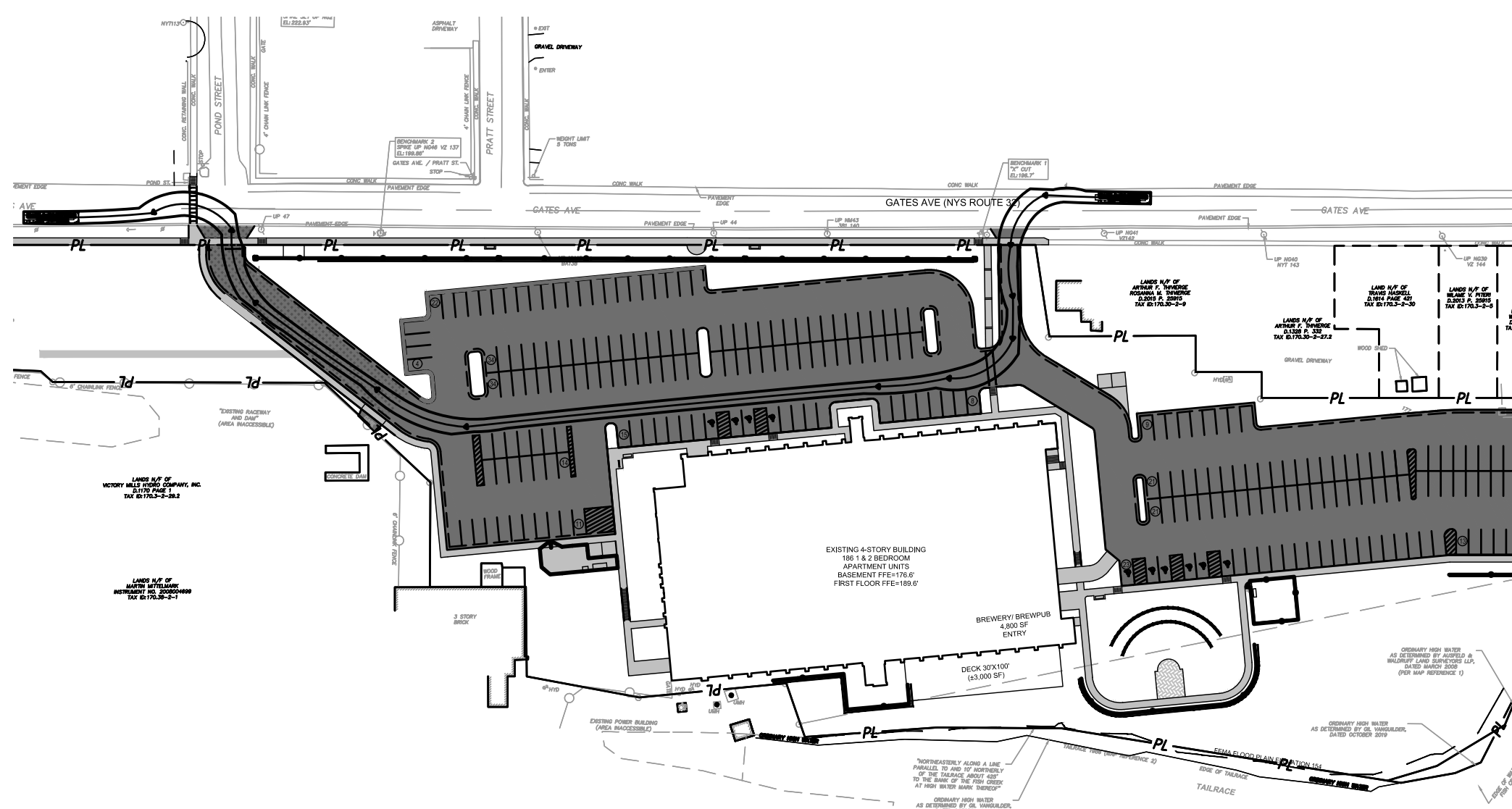
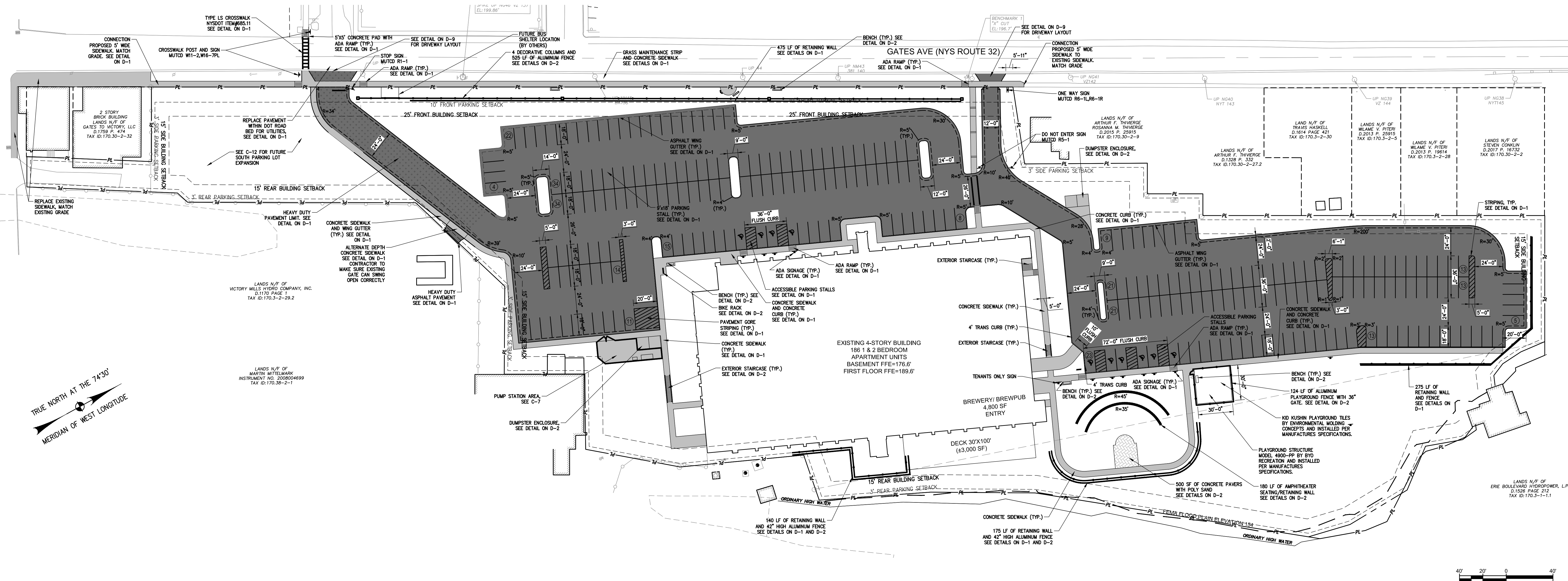
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

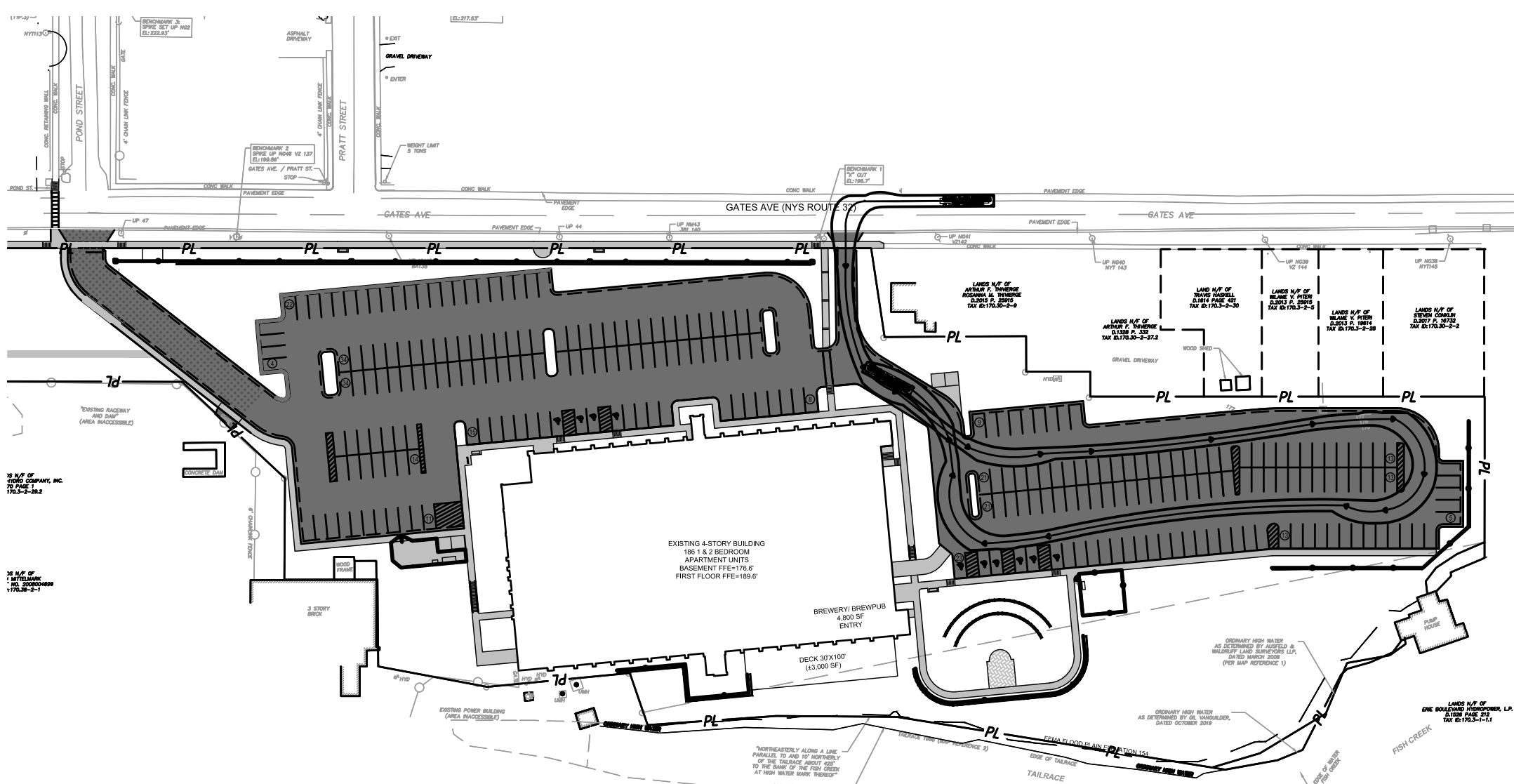
**C-3**



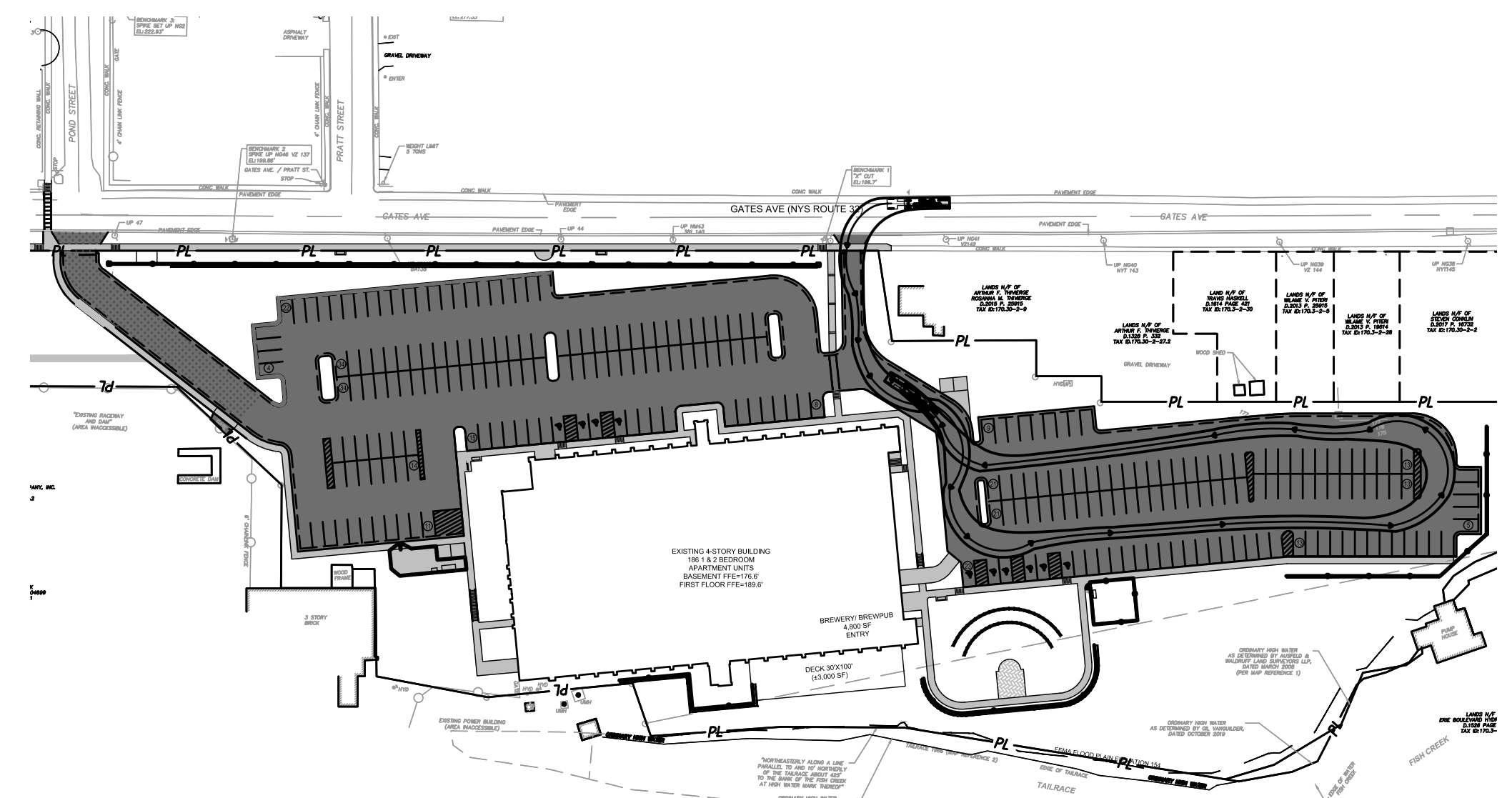
File Name: C:\Users\diabare\appdata\local\temp\AcPublish\_6928\WJ972.32 Victory Mills Site Plan.dwg (Layout: 4-LAY)  
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**TRUCK MOVEMENT  
AERIAL FIRE TRUCK**  
SCALE: 1"=100'



**TRUCK MOVEMENT  
AERIAL FIRE TRUCK**  
SCALE: 1"=100'

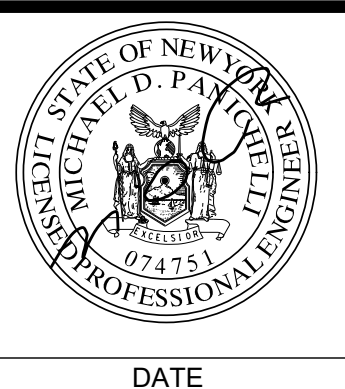


**TRUCK MOVEMENT  
DELIVERY TRUCK - WB-40**  
SCALE: 1"=100'

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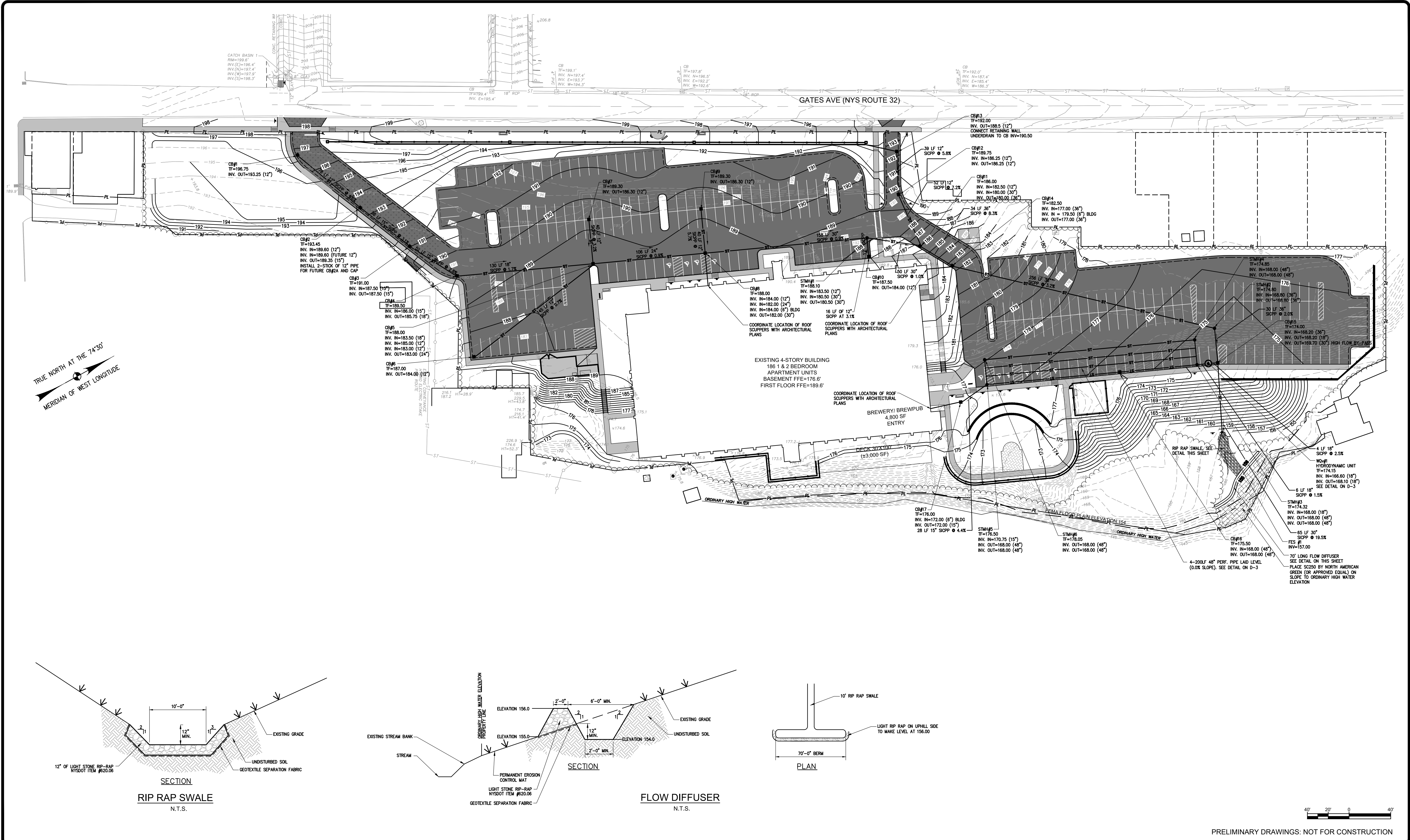
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REGAN DEVELOPMENT  
**LAYOUT PLAN**  
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
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MJ PROJ. No.: 972.32  
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**C-4**

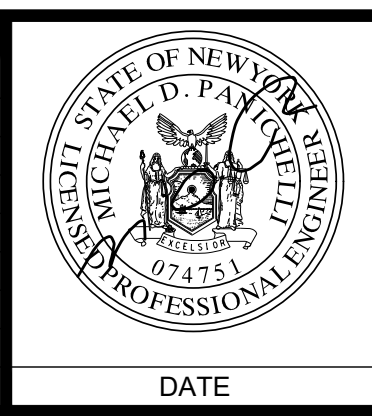


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Date: Thu, Jul 09, 2020 - 10:51 AM (Name: diabare)



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REGAN DEVELOPMENT

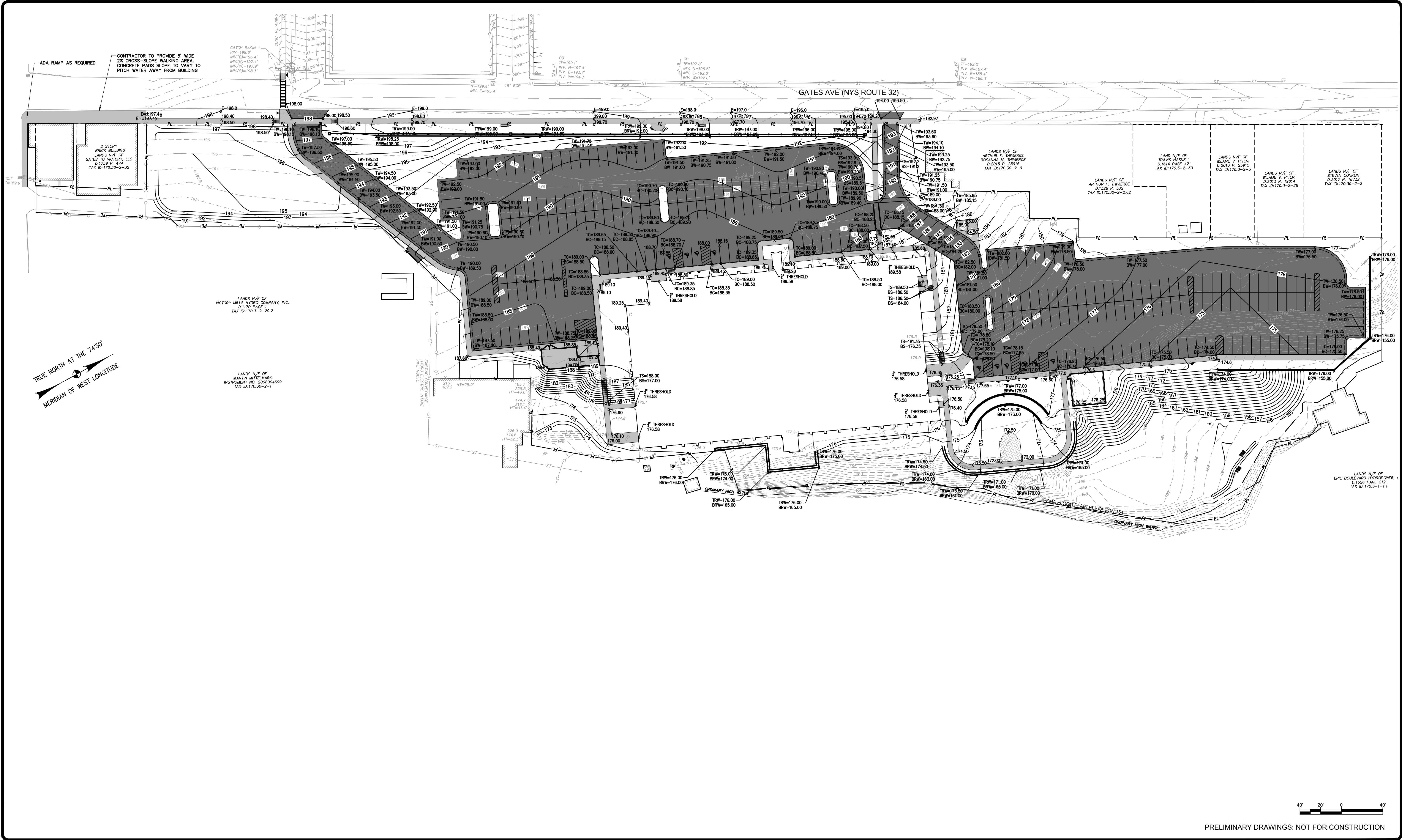
**GRADING & DRAINAGE  
PLAN**

42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
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DATE: MAY 10, 2019

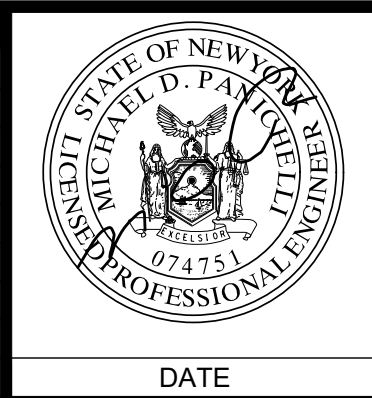
**C-5**





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**SPOT GRADING PLAN**

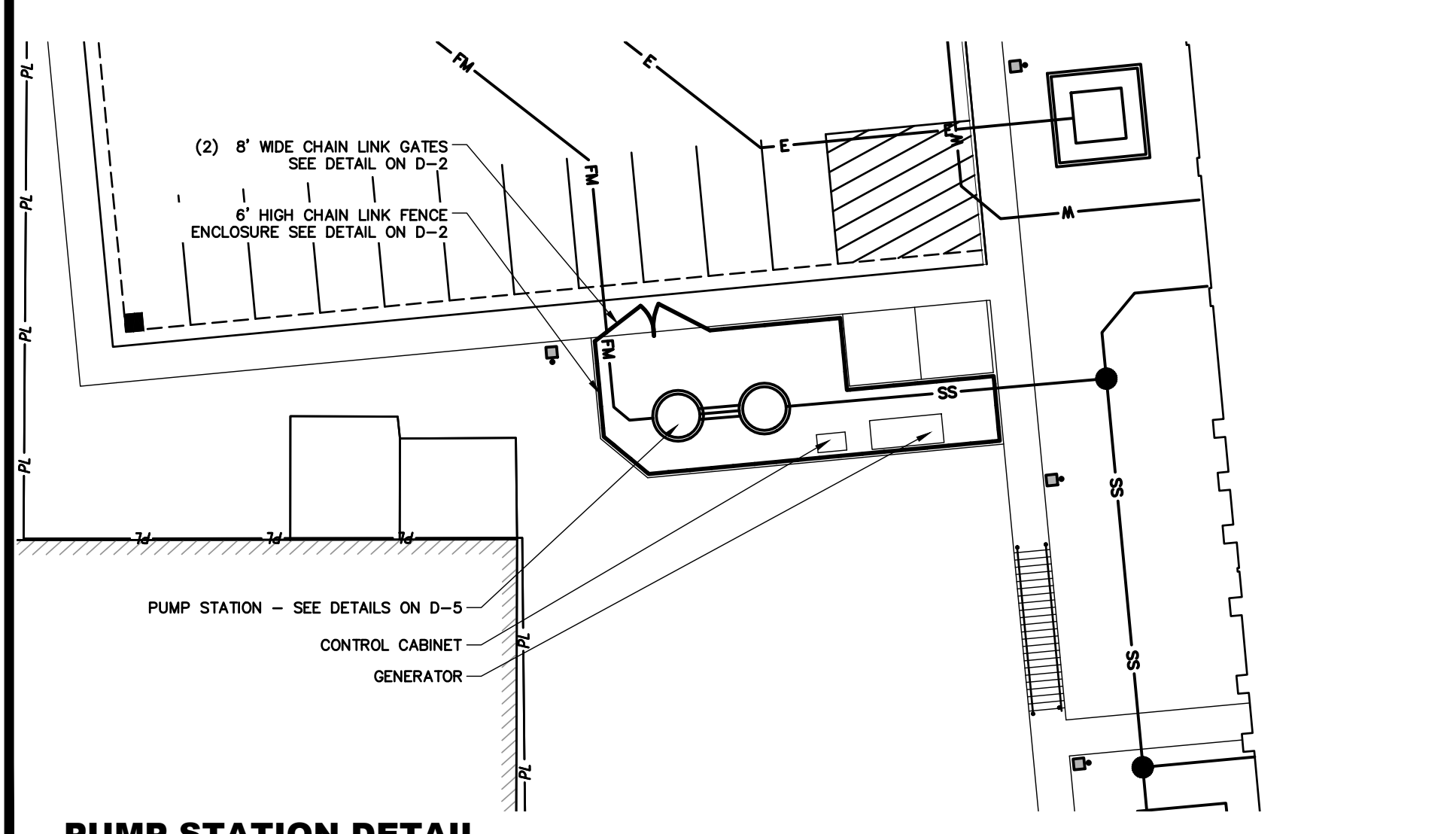
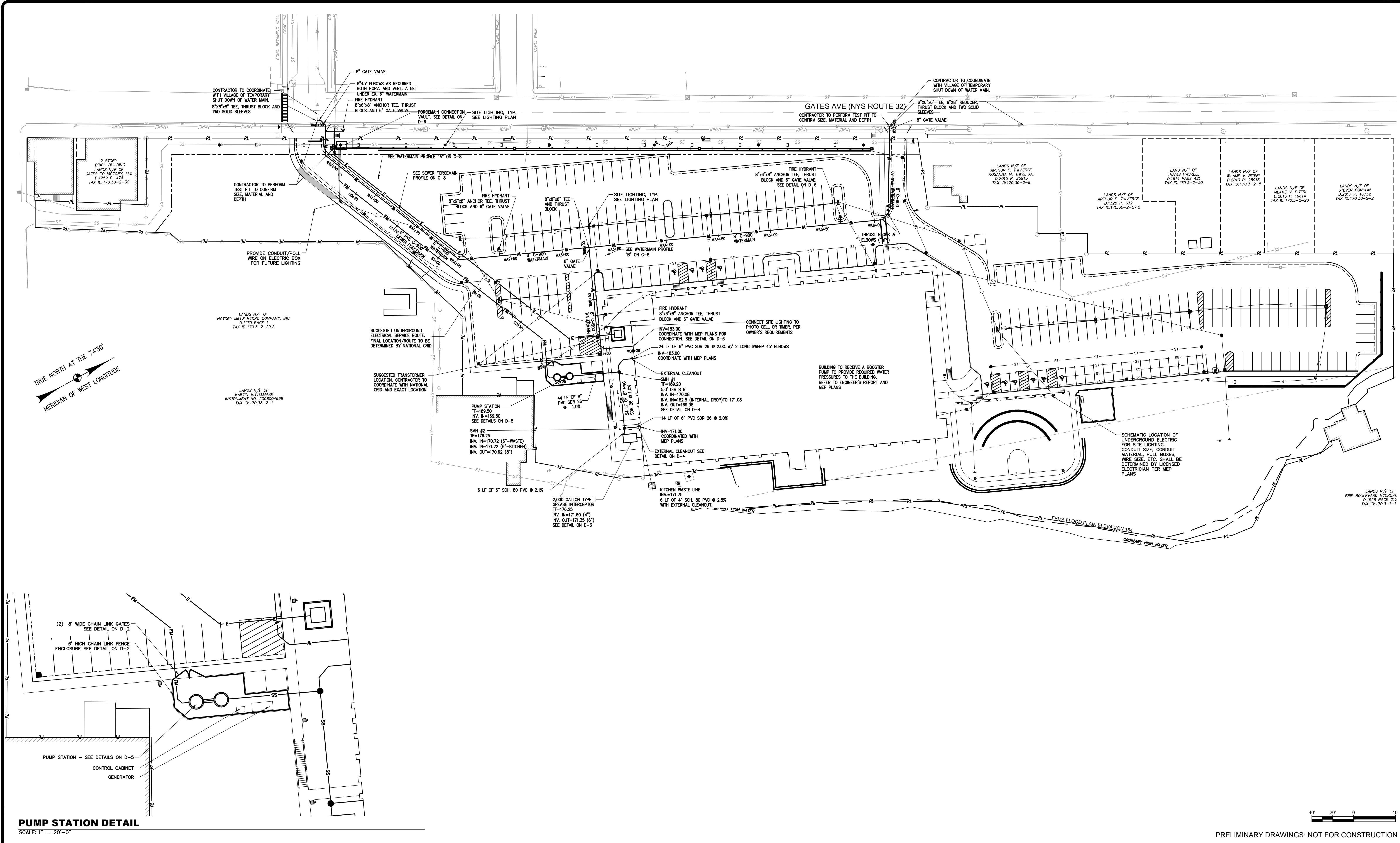
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

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**C-6**

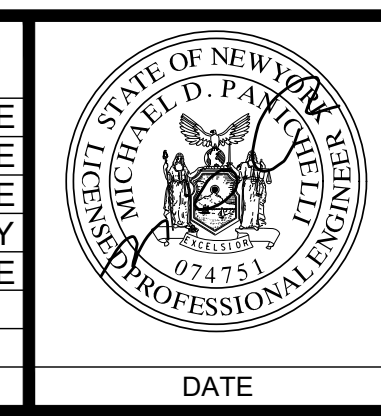


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Date: Thu, Jul 09, 2020 - 10:52 AM (Name: diabare)



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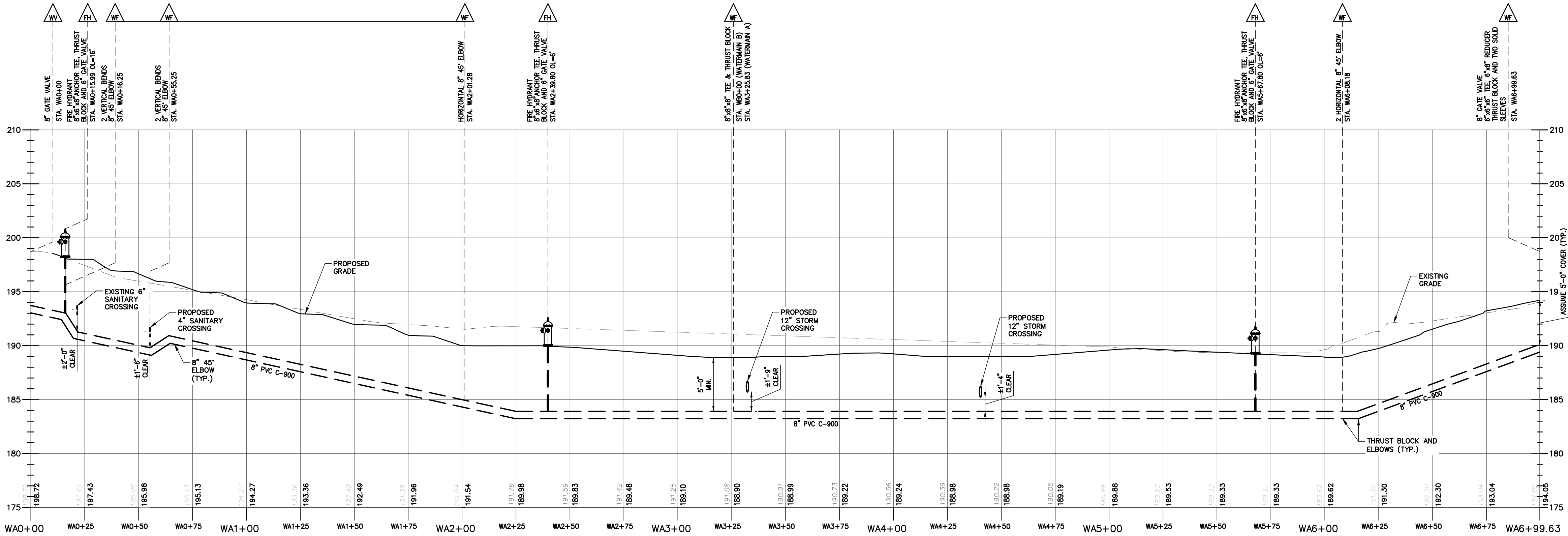
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**REGAN DEVELOPMENT**  
**UTILITY PLAN**  
42 GATES AVE  
VILLAGE OF VICTORY  
NEW YORK

SCALE: 1" = 40'  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019  
**C-7**

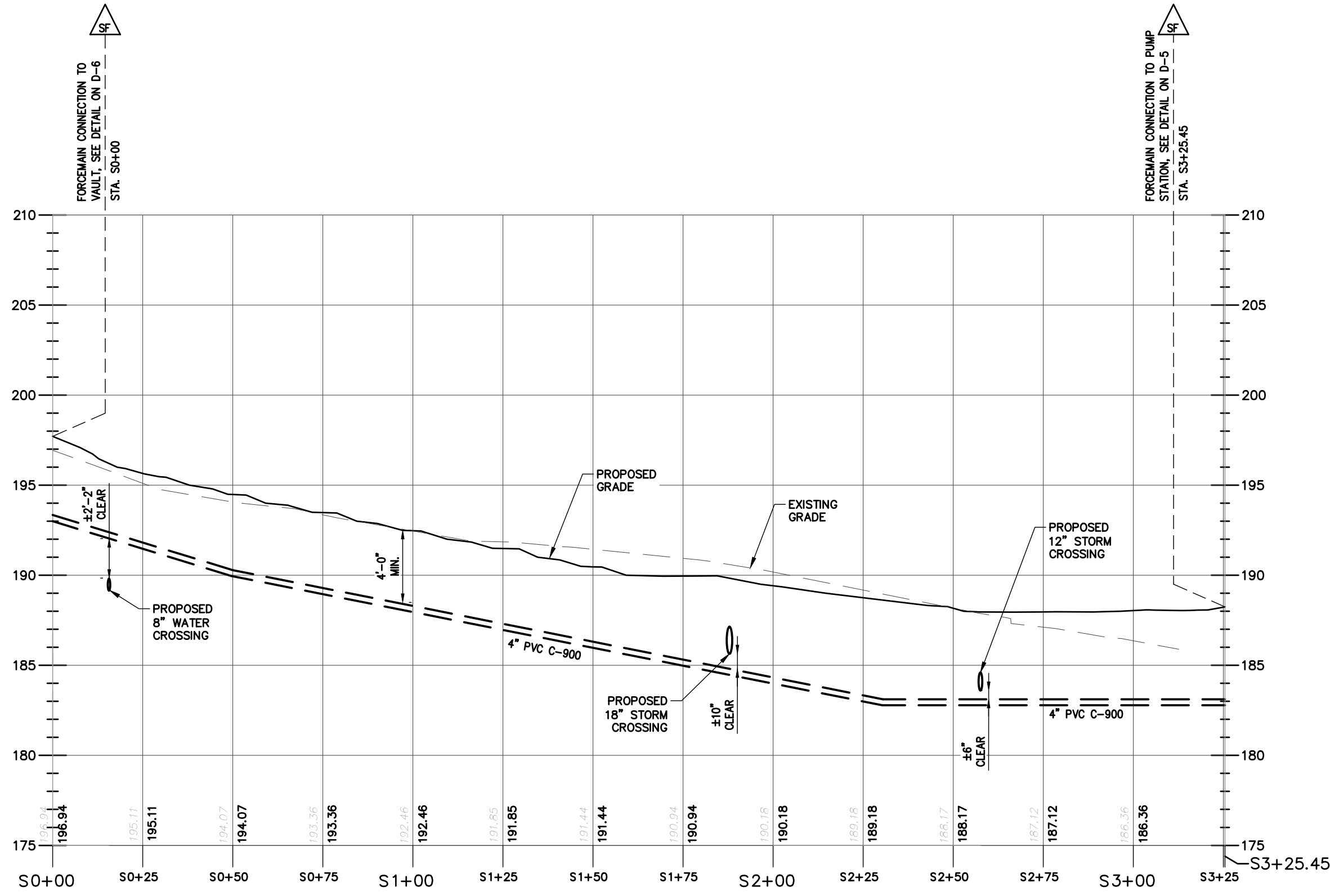


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Date: Thu, Jul 09, 2020 - 10:52 AM (Name: diabare)



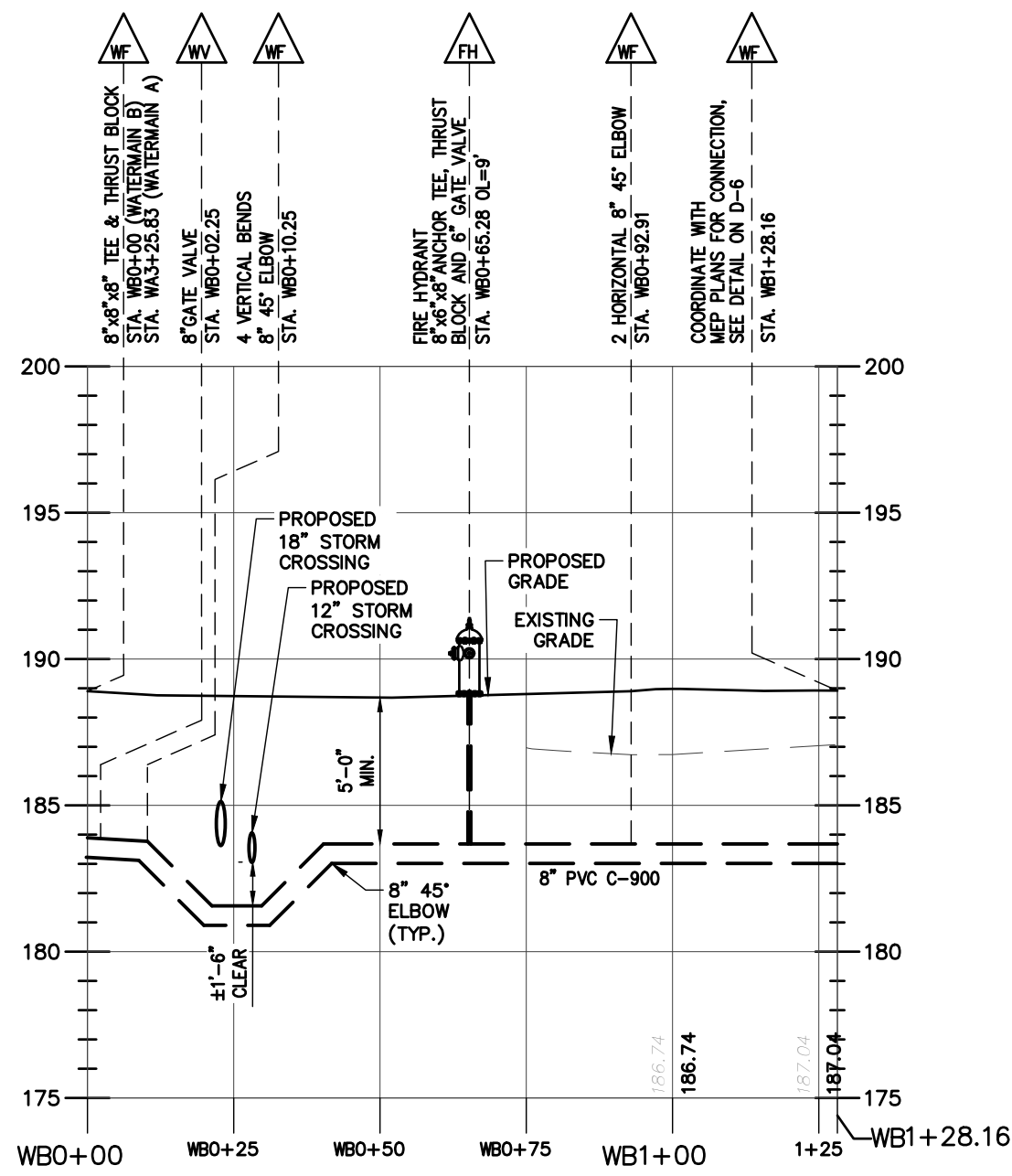
**WATERMAIN PROFILE "A"**

SCALE: (HOR) 1" = 30'-0"  
SCALE: (VERT) 1" = 6'-0"



**SEWER FORCEMAIN PROFILE**

SCALE: (HOR) 1" = 30'-0"  
SCALE: (VERT) 1" = 6'-0"



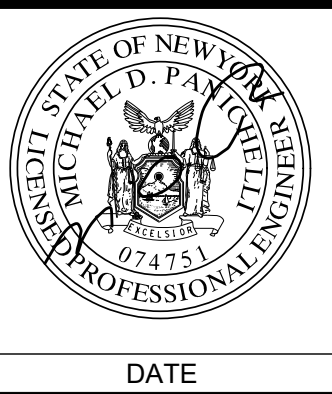
**WATERMAIN PROFILE "B"**

SCALE: (HOR) 1" = 30'-0"  
SCALE: (VERT) 1" = 6'-0"

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REGAN DEVELOPMENT  
**UTILITY PROFILES**  
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 30'  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019  
**C-8**



File Name: C:\Users\diabare\appdata\local\temp\AcPublish\_69288\WJ972.32\_Victory Mills Site Plan.dwg (Layout: S-PLANT)  
Date: Thu, Jul 09, 2020 - 11:52 AM (Name: diabare)

PLANTING SCHEDULE						
ABRV	BOTANICAL NAME	COMMON NAME	QTY	SIZE	SPACING	REMARKS
TREES						
AR	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	6	2.5"-3" CAL B&B	AS SHOWN	TREE FORM
AA	ACER 'ARMSTRONG'	UPRIGHT MAPLE	6	2.5" - 3" CAL.	AS SHOWN	
AC	AMELANCHIER CANADENSIS 'GLENN FORM'	UPRIGHT SERVICEBERRY	4	8-10' HT.	AS SHOWN	
GS	GLEDITSIA 'SHADEMASTER'	HONEYLOCUST	4	2.5" - 3" CAL.	AS SHOWN	
JS	JUNIPERUS VIRGINIANA 'SKYROCKET'	UPRIGHT EASTERN RED CEDAR	3	5-6' HT. B&B	AS SHOWN	
JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	13	6-7' HT. B&B	AS SHOWN	
MS	MAGNOLIA STELLATA	STAR MAGNOLIA	4	8-10' HT.	AS SHOWN	
PS	PINUS STROBUS	WHITE PINE	10	10-12' HT. B&B	AS SHOWN	
TC	TILIA CORDATA	LITTLE LEAF LINDEN	4	2.5" - 3" CAL.	AS SHOWN	
SHRUBS						
CS	CORNUS SERICEA	RED TWIG DOGWOOD	27	10 GAL	8" O.C.	
JA	JUNIPERUS HORIZONTALIS 'ANDORRA'	CREeping JUNIPER	52	3 GAL	5" O.C.	
RA	RHUS AROMATICA 'GRO LOW'	GRO LOW SUMAC	57	5 GAL	8" O.C.	
TT	TAXUS X MEDIA 'TAUNTON'	SPREADING YEW	42	3 GAL	5" O.C.	
GROUND COVER & GRASSES						
DP	DENSTAEADTIA PUNCTILOBULA	HAYSCENTED FERN	247	1 GAL	30" O.C.	
PH	PENNISETUM 'HAEMEL'	FOUNTAIN GRASS	365	1 GAL.	24-30" O.C.	
PT	PACHYSANDRA TERMINALIS	GREEN SPURGE	1800	BAREROOT	12" O.C.	

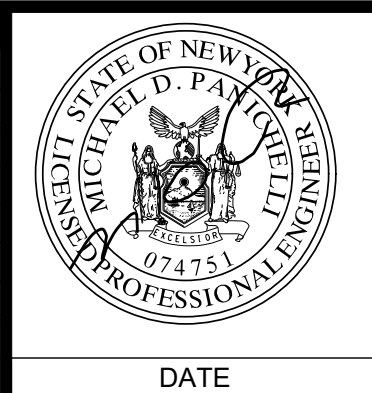
SIGN TEXT DATA TABLE					
DESIGNATION & COLOR	LOCATION	TEXT	ITEM#	SIZE / PAYMENT AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
R1-1 WHITE ON RED	1-1		645.5202	30" x 30" 6.25 SF	25.00 SF
R5-1 RED ON WHITE	1-2,1-3		645.5202	30" x 30" 6.25 SF	25.00 SF
R7-8	1-4-1-13		645.5102	12" x 18" 1.50 SF	6.00 SF
R7-8p	1-4-1-13		645.5102	18" x 9" 1.13 SF	1.13 SF
R6-1L	1-14		645.5202	36" x 12" 3.00 SF	3.00 SF
R6-1R	1-15		645.5202	36" x 12" 3.00 SF	3.00 SF
W11-2	1-16,1-17		645.5202	24" x 24" 4.00 SF	8.00 SF
W16-7PL	1-18,1-19		645.5202	24" x 12" 2.00 SF	4.00 SF



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REGAN DEVELOPMENT

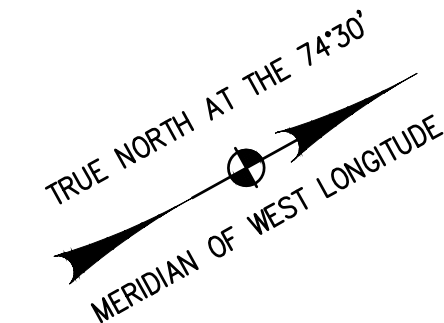
**SIGNAGE AND  
LANDSCAPE PLAN**

42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
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**C-9**





**PARKING LIGHT FIXTURE**  
CREE LED - OSQ HIGH OUTPUT OUTDOOR LED AREA LIGHT



**STREET LIGHT FIXTURE**  
PROGRESS LIGHTING - PCAD LED AREA DESIGNER LIGHT WITH ARM

### LIGHT SCHEDULE

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts
	4	PWY-3M	SINGLE	1,000	2019	34
	5	B3B	SINGLE	1,000	9196	86
	5	B3	SINGLE	1,000	11648	86
	2	B3-2	BACK-BACK	1,000	11648	86
	1	B4B	SINGLE	1,000	8950	86
	2	B4	SINGLE	1,000	11648	86
	4	B5M	SINGLE	1,020	11056	86
	7	B5M-2	BACK-BACK	1,020	11056	86
Calculation Summary (Footcandles calculated using predicted lumen values @ 50K hrs of operation)						
Label	Units	Avg	Max	1 Min	Avg/Min	Max/Min
CalcPls 2	Fc	0.47	15.2	0.0	N.A.	N.A.
Property Line	Fc	0.22	1.4	0.0	N.A.	N.A.
Lot 1	Fc	2.36	6.8	0.7	3.37	9.71
Lot 2	Fc	2.01	7.4	0.5	4.02	14.80
Lot 3	Fc	2.74	15.2	0.6	4.57	25.33

Pole Schedule  
(17) SSS-4-7-15-CW-B5-1D-C-BZ (15' X 4" X 7ga STEEL SQUARE POLE)  
Proposed poles meet 140 MPH sustained winds.  
(7) SSS-4-7-15-CW-B5-2D180-C-BZ (15' X 4" X 7ga STEEL SQUARE POLE)  
Proposed poles meet 140 MPH sustained winds.  
(2) SSS-4-7-15-CW-B5-3D90-C-BZ (15' X 4" X 7ga STEEL SQUARE POLE)  
Proposed poles meet 140 MPH sustained winds.  
(2) SSS-4-7-12-CW-B5-1D-C-BZ (12' X 4" X 7ga STEEL SQUARE POLE)  
Proposed poles meet 140 MPH sustained winds.  
  
(35) OSQ-DA\_ (Direct Arm Mount)  
(8) OSQ-BLSMF (Backlight Shield)  
  
\*\*\* CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER \*\*\*

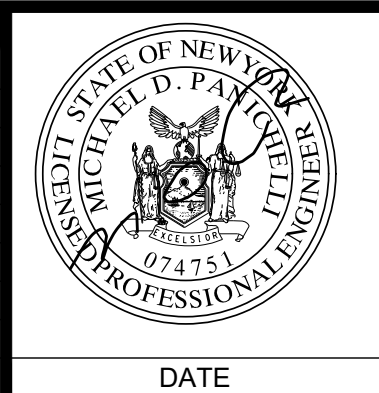
LIGHTING NOTE:  
1. LIGHTING SHALL BE DARK SKIES, DOWNWARD DIRECTED, AND ENERGY CODE COMPLIANT.



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CHECKED BY: JWE



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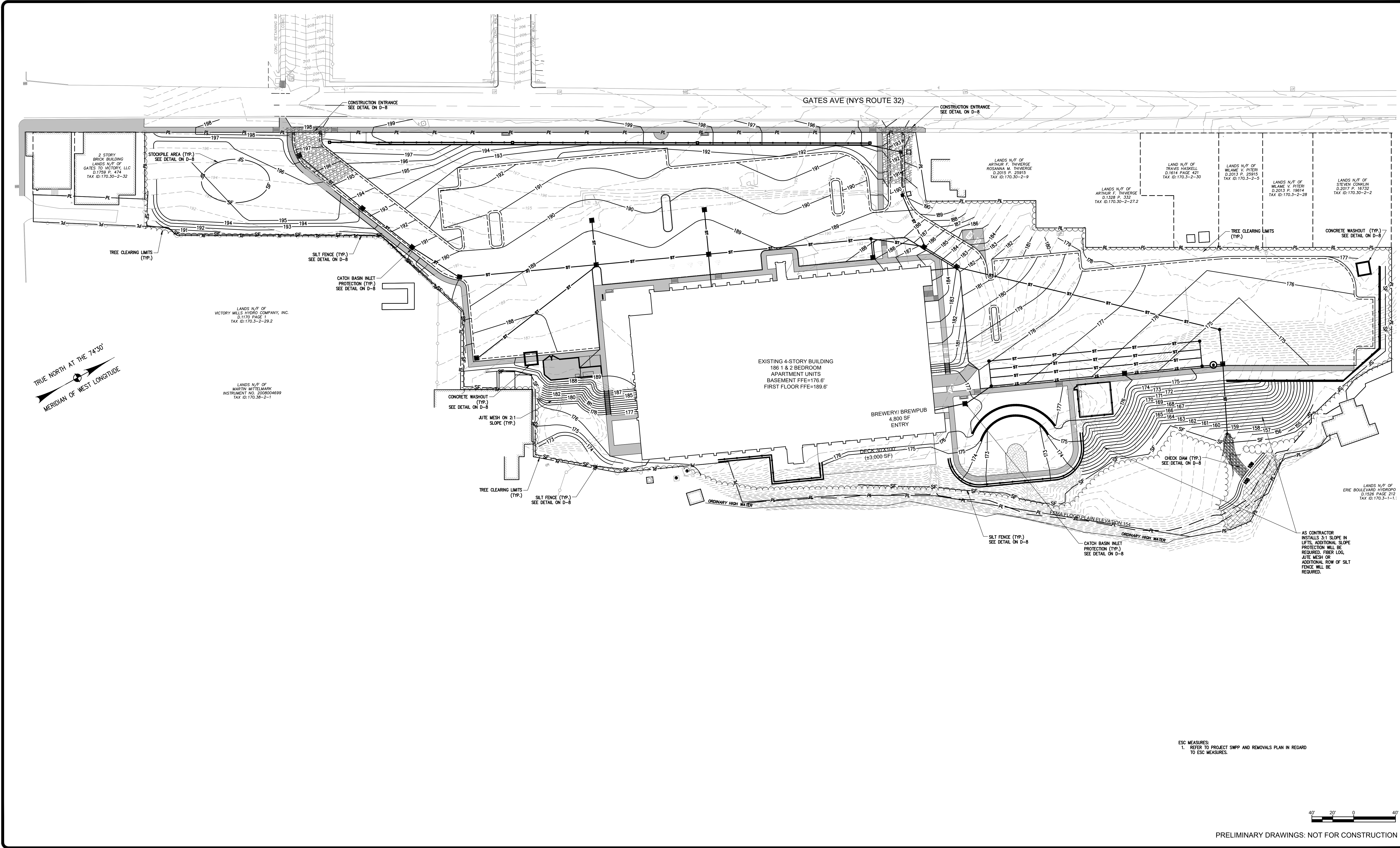
Engineering and  
Land Surveying, P.C.  
1533 Crescent Road - Clifton Park, NY 12065

REGAN DEVELOPMENT  
**LIGHTING PLAN**  
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019  
**C-10**

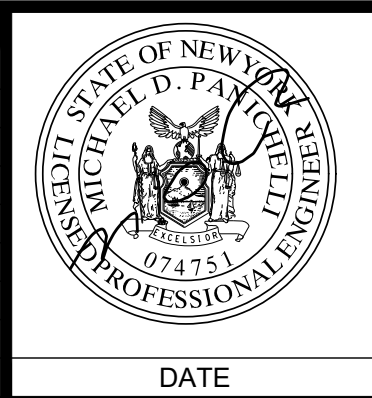


File Name: C:\Users\diabare\appdata\local\temp\AcPublish\_69288MJ972.32 Victory Mills Site Plan.dwg (Layout: 11-EROS )  
Date: Thu, Jul 09, 2020 - 11:52 AM (Name: diabare)



SUBMITTAL / REVISIONS					
No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE

PROJ. MANAGER: JWE  
CHIEF DESIGNER: JWE  
DESIGNED BY: JWE  
DRAWN BY: APY  
CHECKED BY: JWE



DATE  
DATE

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REGAN DEVELOPMENT

**EROSION CONTROL PLAN**

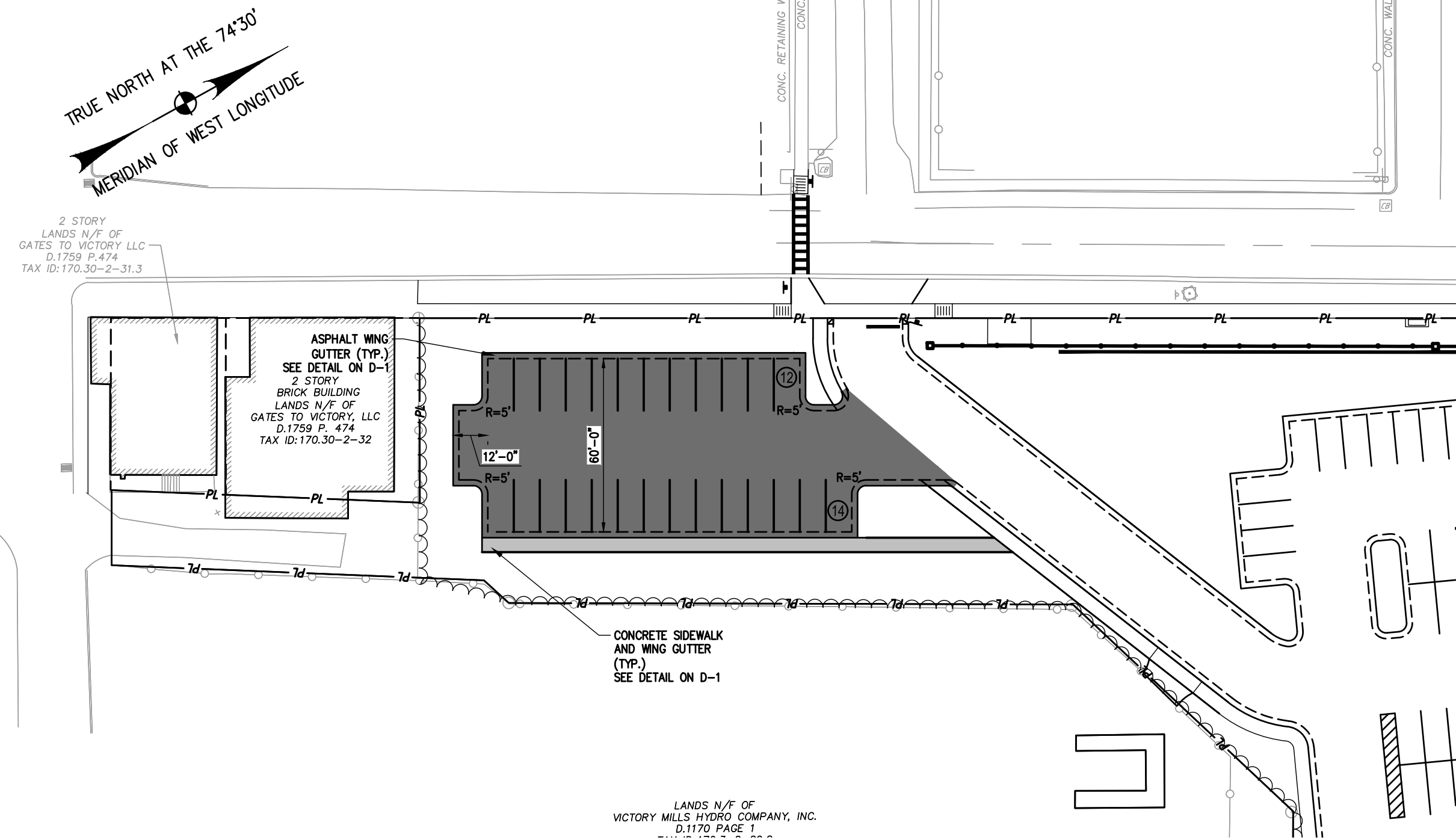
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

**C-11**

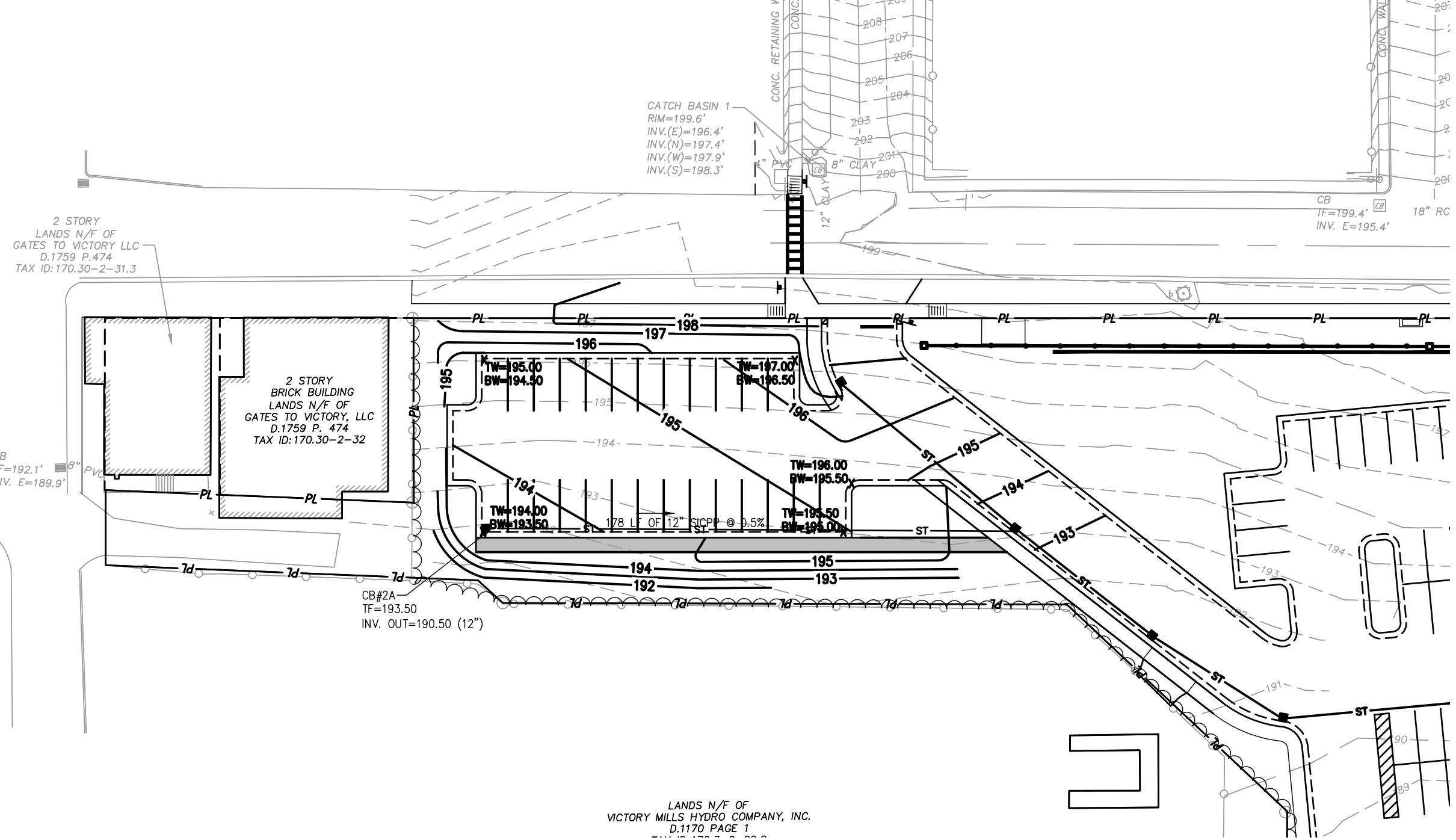


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Date: Thu, Jul 09, 2022 - 11:53 AM (Name: diabare)



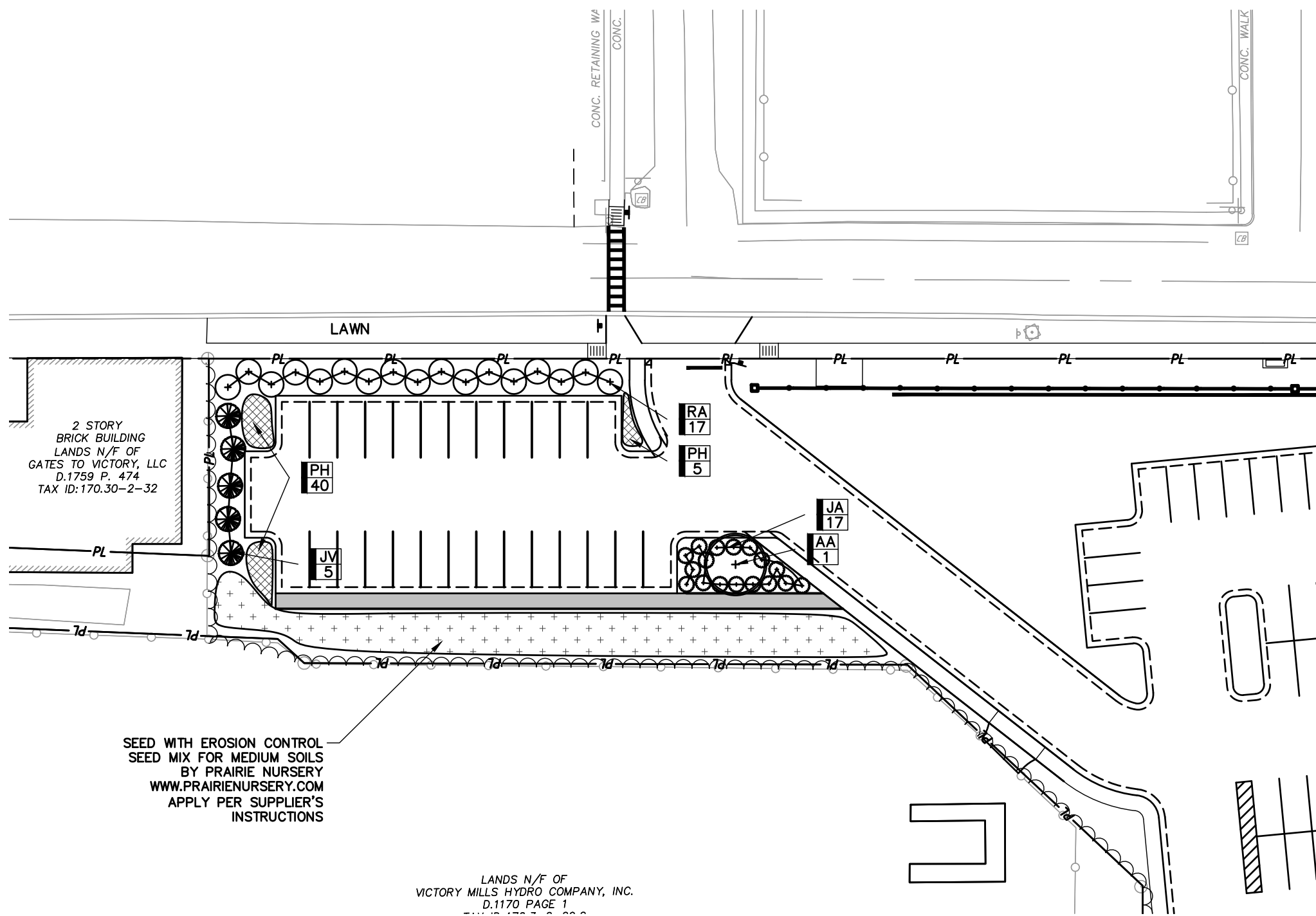
**FUTURE SOUTH PARKING LOT LAYOUT PLAN**

SCALE: 1"=40'-0"



**FUTURE SOUTH PARKING LOT GRADING PLAN**

SCALE: 1"=40'-0"

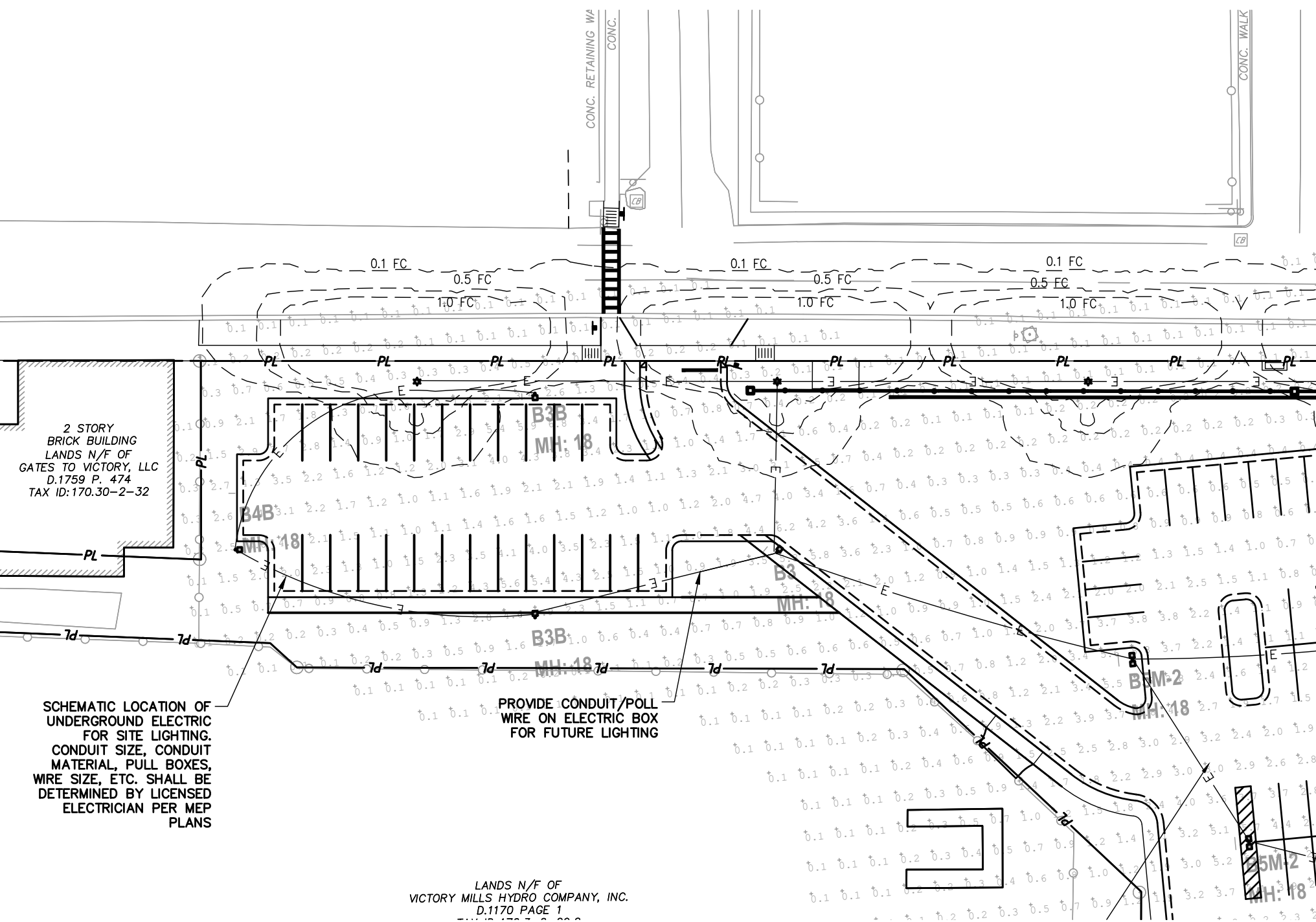


**FUTURE SOUTH PARKING LOT PLANTING PLAN**

SCALE: 1"=40'-0"

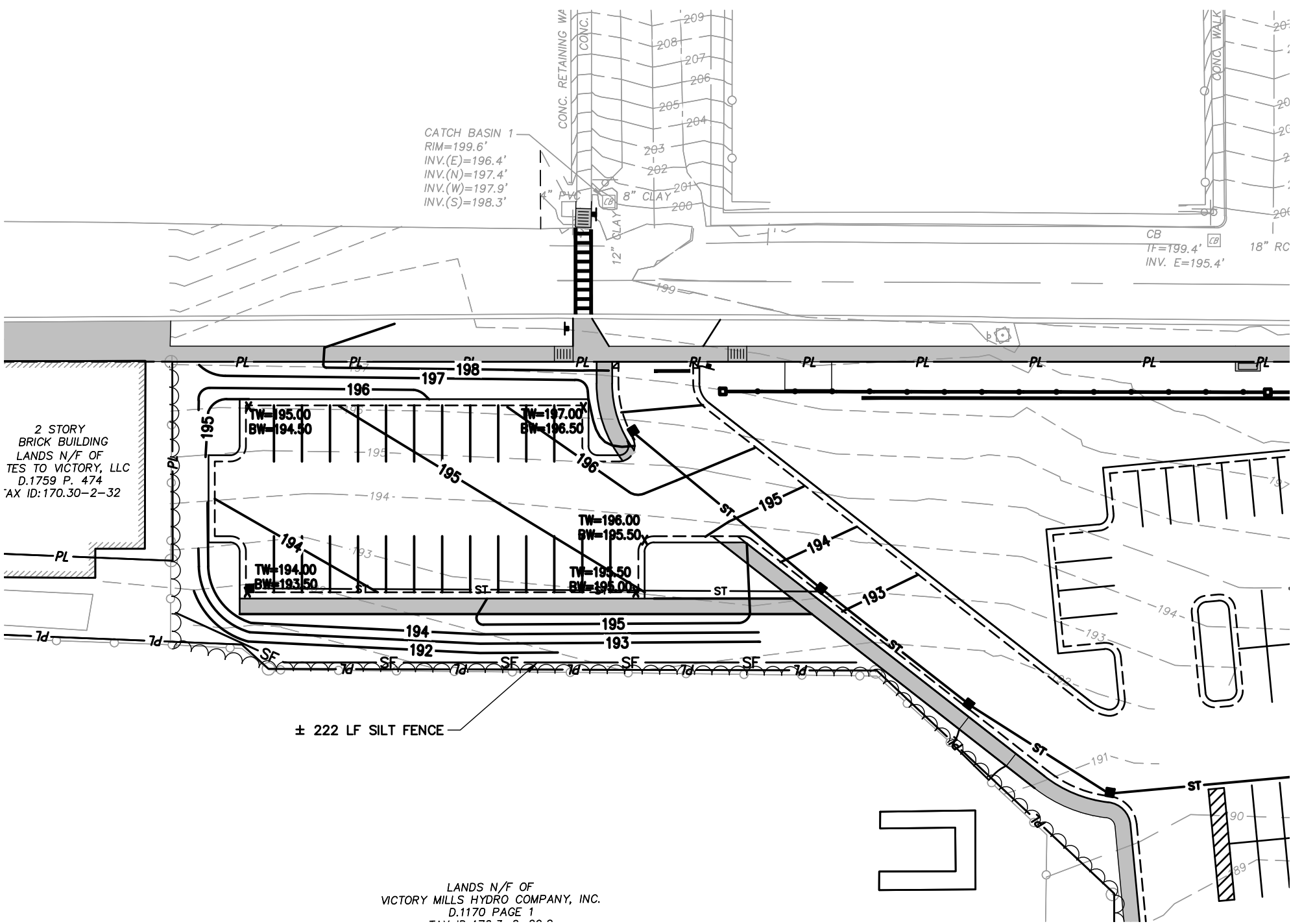
**PLANTING SCHEDULE - SOUTH PARKING LOT**

ABRV	BOTANICAL NAME	COMMON NAME	QTY	SIZE	SPACING	REMARKS
TREES						
AA	ACER 'ARMSTRONG'	UPRIGHT MAPLE	1	2.5" - 3" CAL.	AS SHOWN	
JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5	6-7" HT. B.&B	AS SHOWN	
SHRUBS						
JA	JUNIPERUS HORIZONTALIS 'ANDORRA'	CREeping JUNIPER	17	3 GAL.	5' O.C.	
RA	RHUS AROMATICA 'GRO LOW'	GRO LOW SUMAC	17	5 GAL.	8' O.C.	
GROUND COVER & GRASSES						
PH	PENNISETUM 'HADELIN'	FOUNTAIN GRASS	45	1 GAL.	24-30" O.C.	



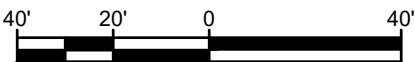
**FUTURE SOUTH PARKING LOT LIGHTING PLAN**

SCALE: 1"=40'-0"



**FUTURE SOUTH PARKING LOT EROSION AND SEDIMENT CONTROL**

SCALE: 1"=40'-0"



PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE

PROJ. MANAGER: JWVE
CHIEF DESIGNER: JWVE
DESIGNED BY: JWVE
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REGAN DEVELOPMENT

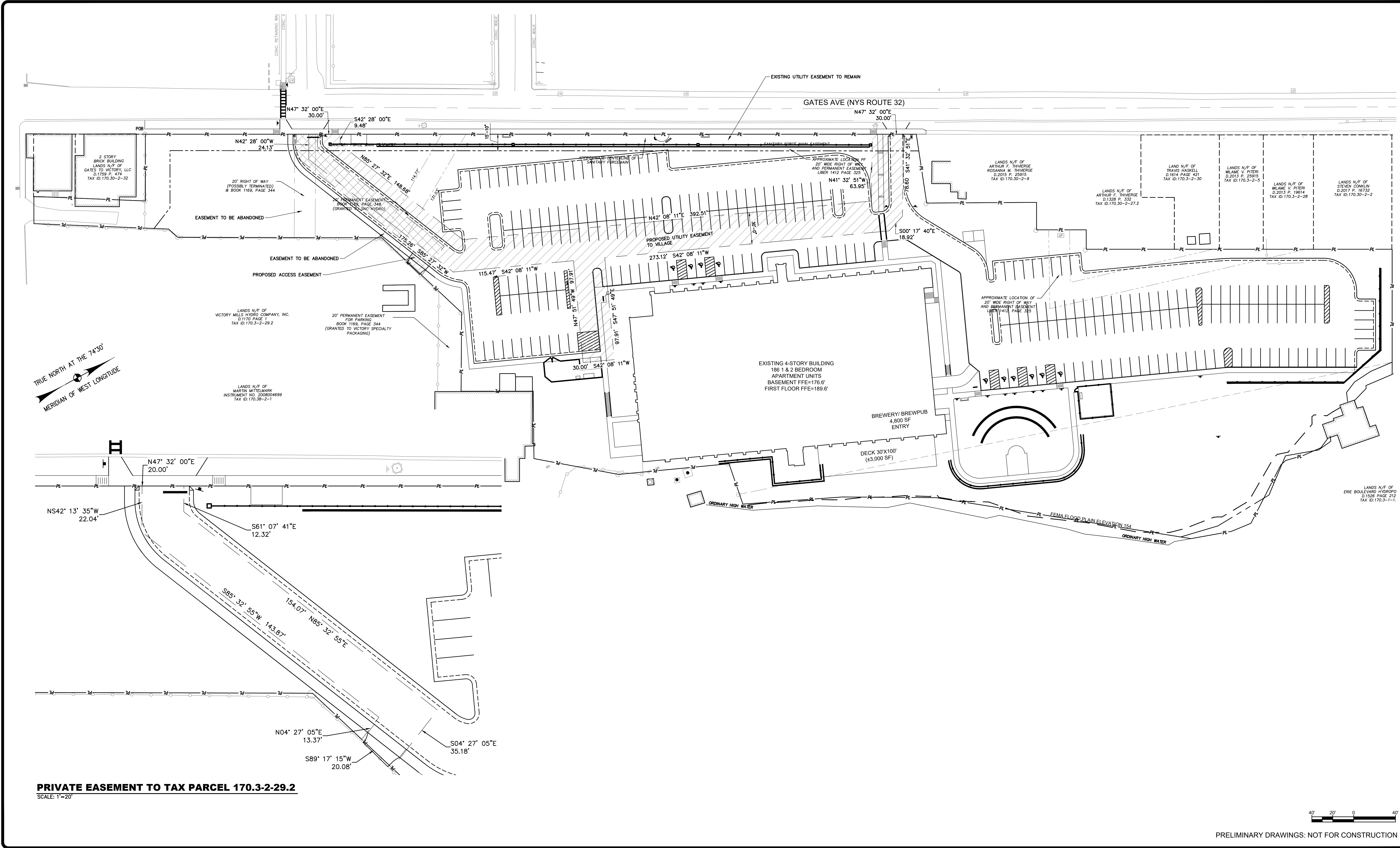
**FUTURE SOUTH  
PARKING LOT PLAN**

42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

**C-12**

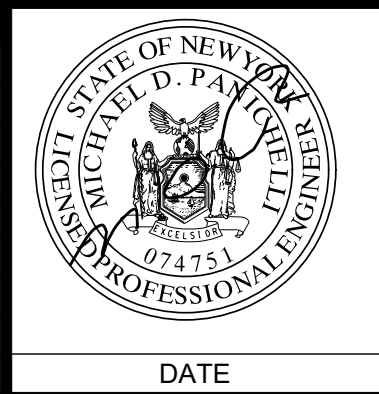




**PRIVATE EASEMENT TO TAX PARCEL 170.3-2-29.2**  
SCALE: 1"=20'

SUBMITTAL / REVISIONS				
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CHIEF DESIGNER: JWE  
DESIGNED BY: JWE  
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CHECKED BY: JWE



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REGAN DEVELOPMENT

**EASEMENT PLAN**

42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: 1" = 40'  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

**C-13**

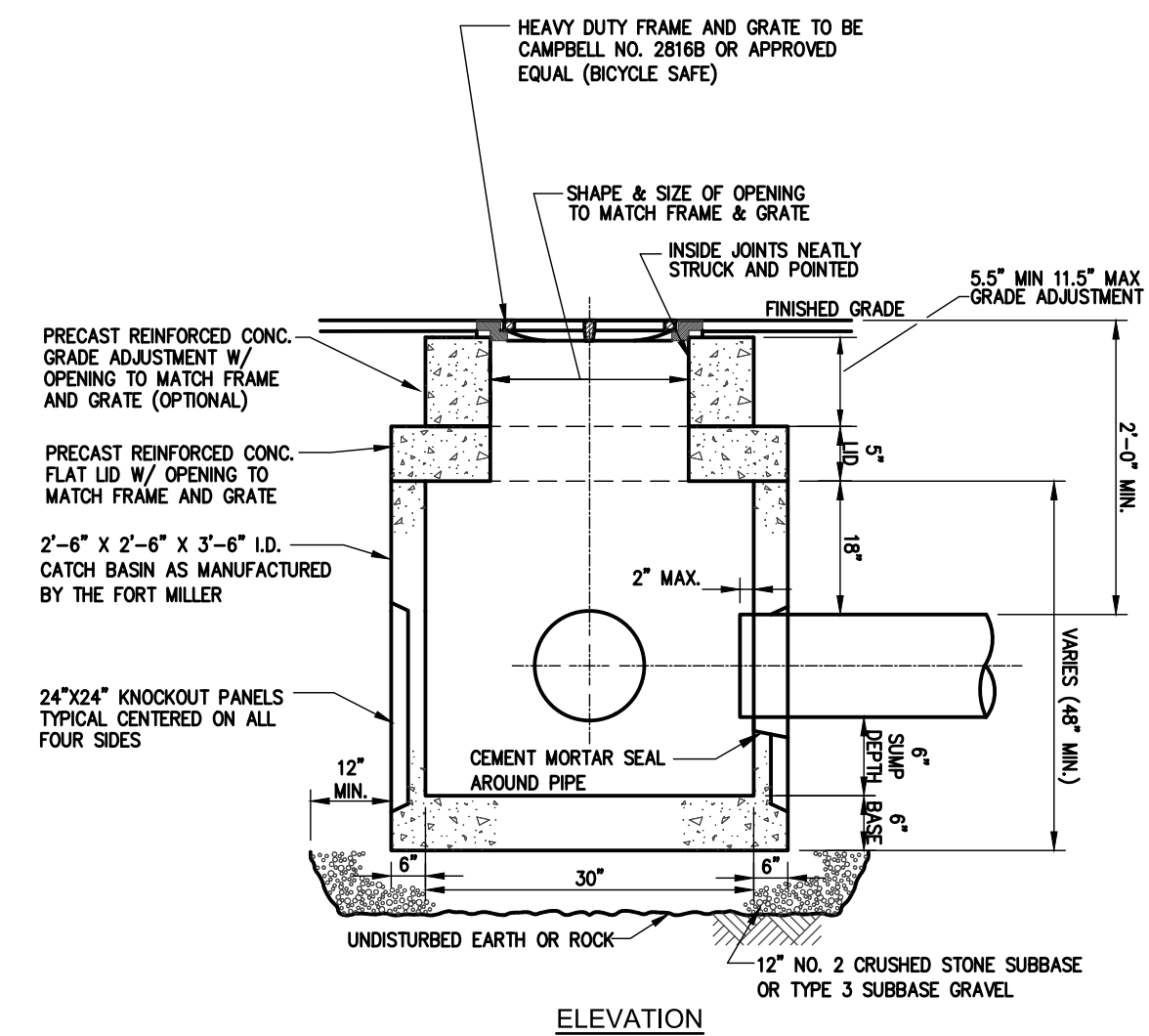
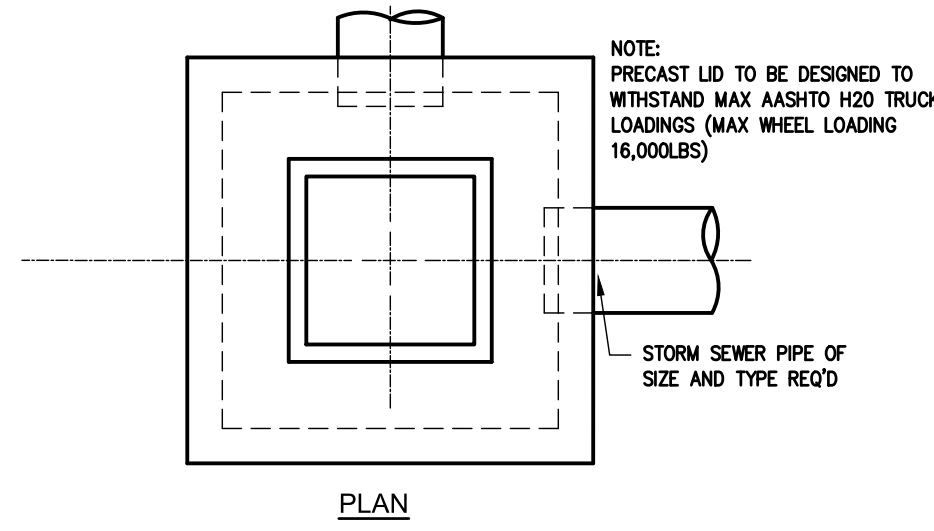




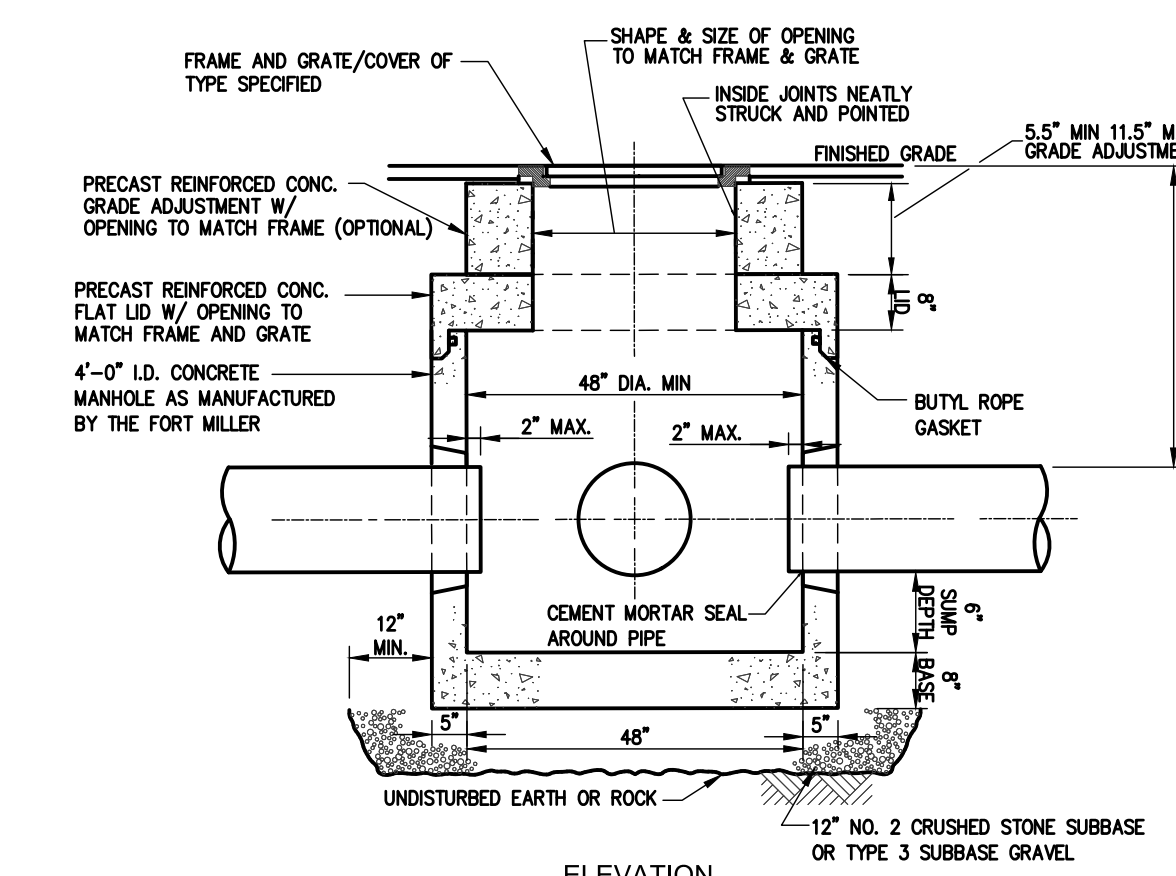
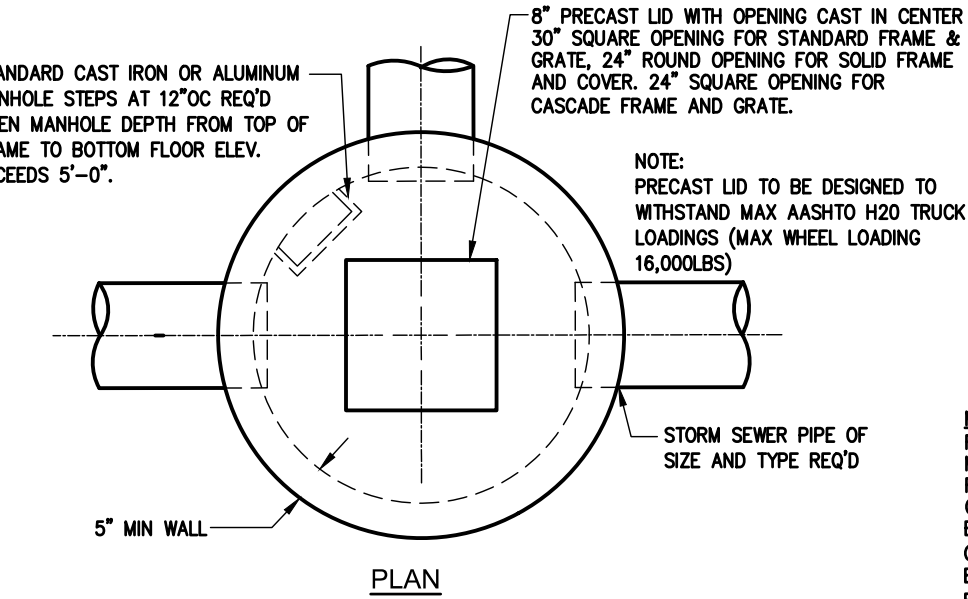


**D-2**

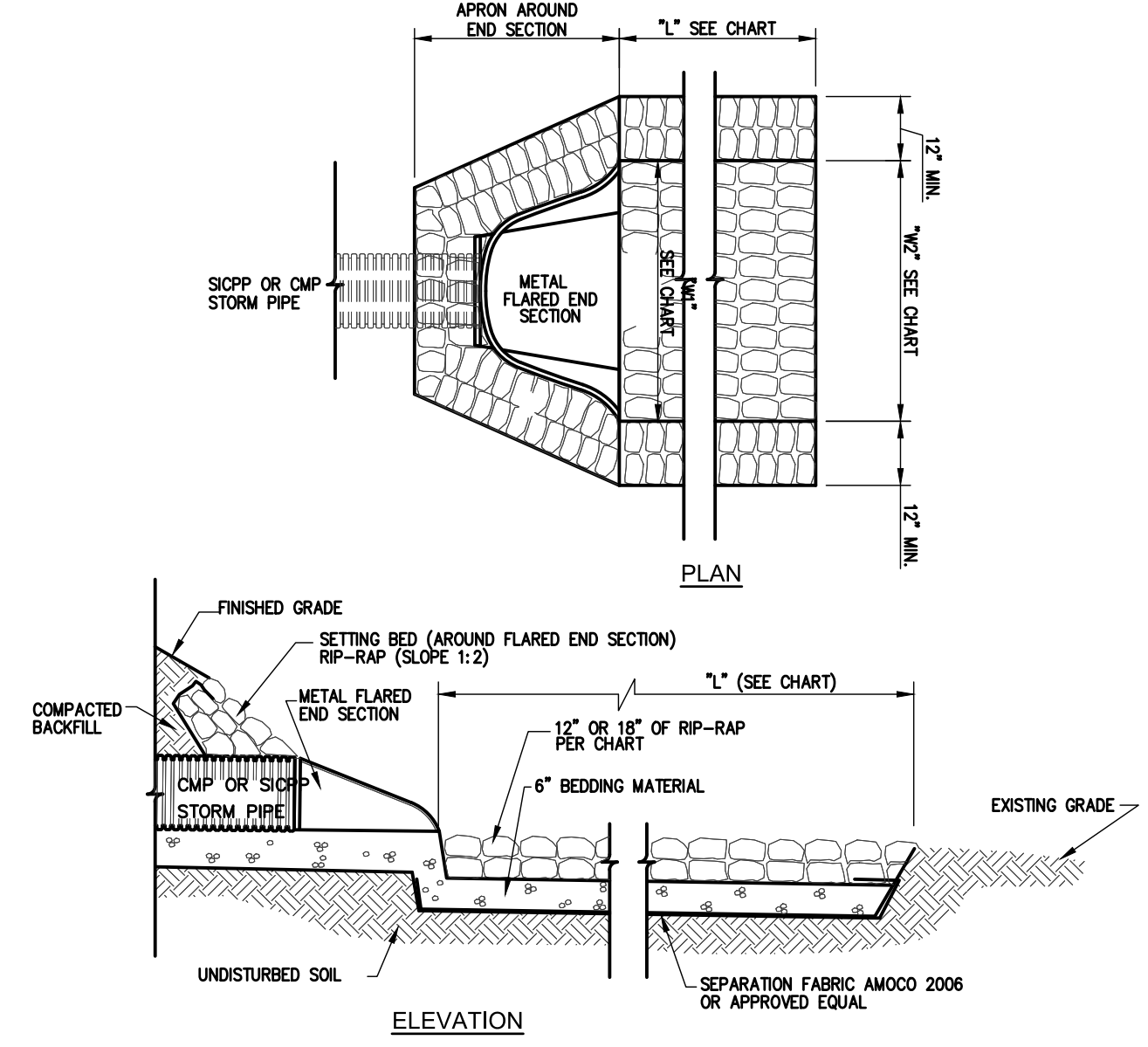




CONCRETE CATCH BASIN  
N.T.S.

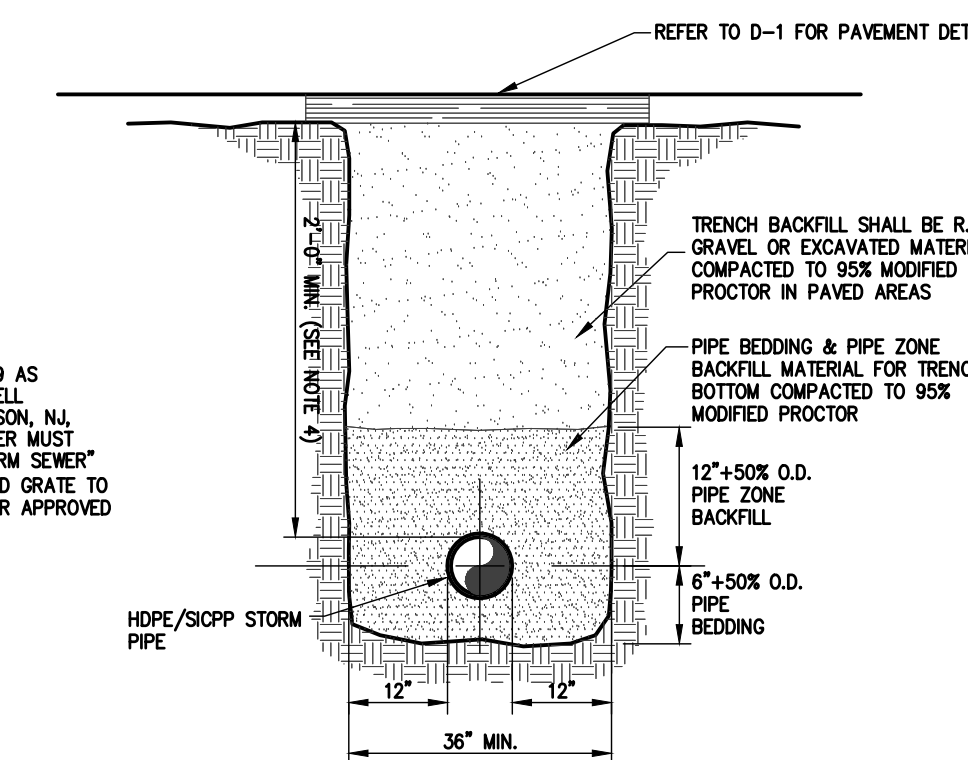


CONCRETE MANHOLE  
N.T.S.



INLET/OUTLET CULVERT STONE LINED APRON PROTECTION  
N.T.S.

LOCATION	RIP-RAP TYPE	RIP-RAP DEPTH	NYS DOT #	DIMENSION		
				W1	W2	L
FES #1	LIGHT	18"	620.03	5'-0"	10'-0"	10'-0"

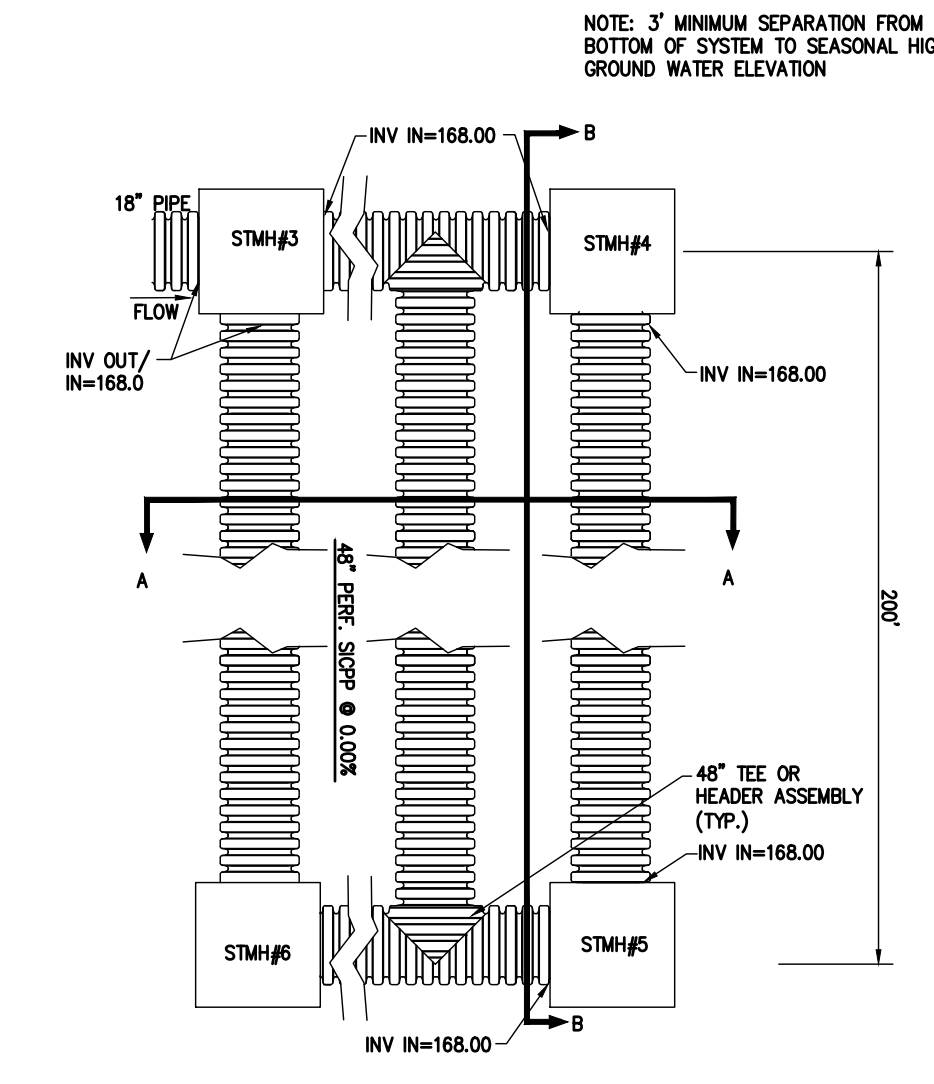


- NOTES:
- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS, AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:  

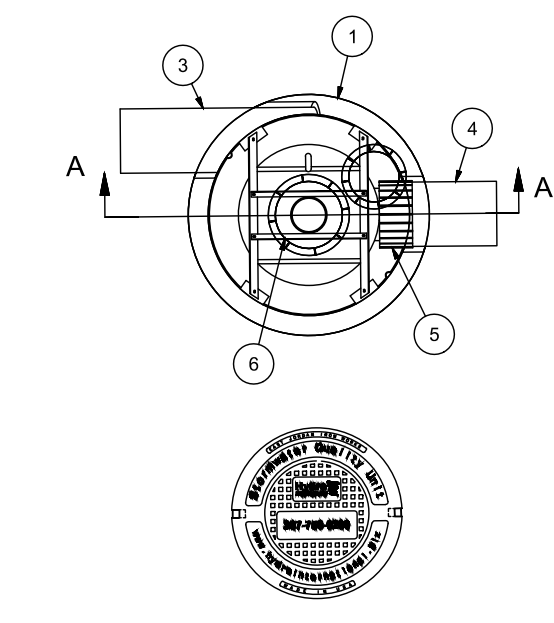
SEIVE DESIGNATION	% PASSING
3/4"	100%
NO. 40	70%
NO. 200	0-10%
  - TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS, AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:  

SEIVE DESIGNATION	% PASSING
4"	100%
NO. 40	70%
NO. 200	0-10%
  - IN UNPAVED AREAS, TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER.
  - TRENCHING SHALL BE CONDUCTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
  - 2'-0" MIN COVER SHALL BE APPLIED TO STORM SEWER PIPES ONLY.

STORM PIPE TRENCH  
N.T.S.

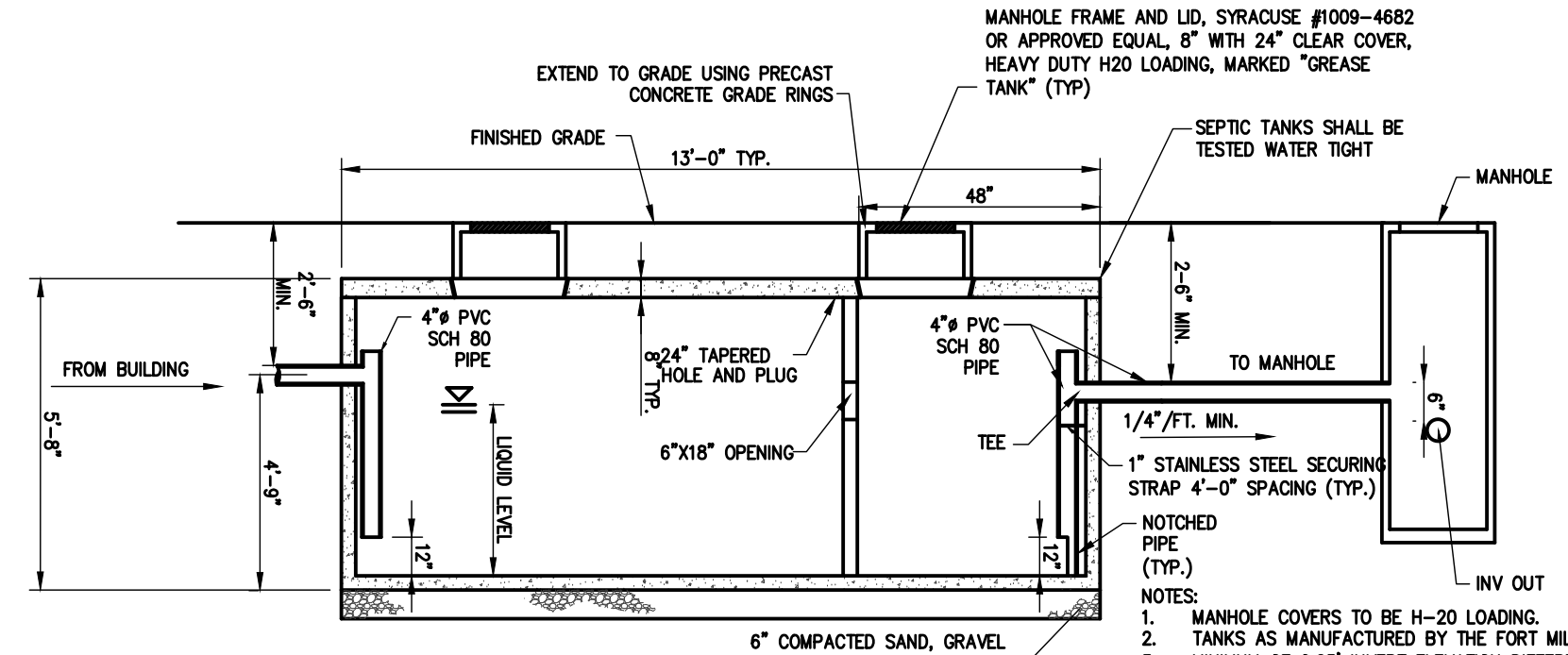


UNDERGROUND STORMWATER INFILTRATION ARRAY LAYOUT  
N.T.S.

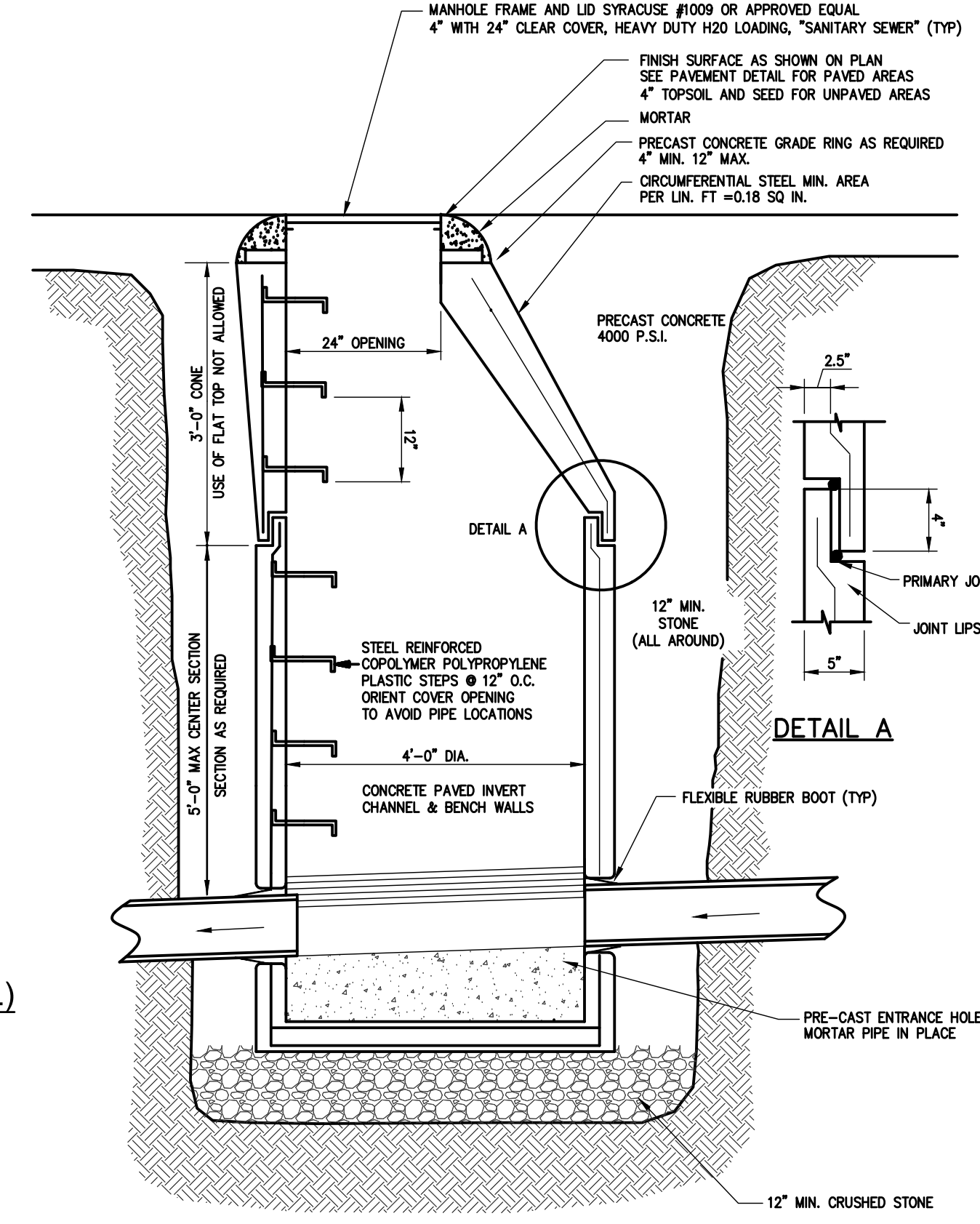
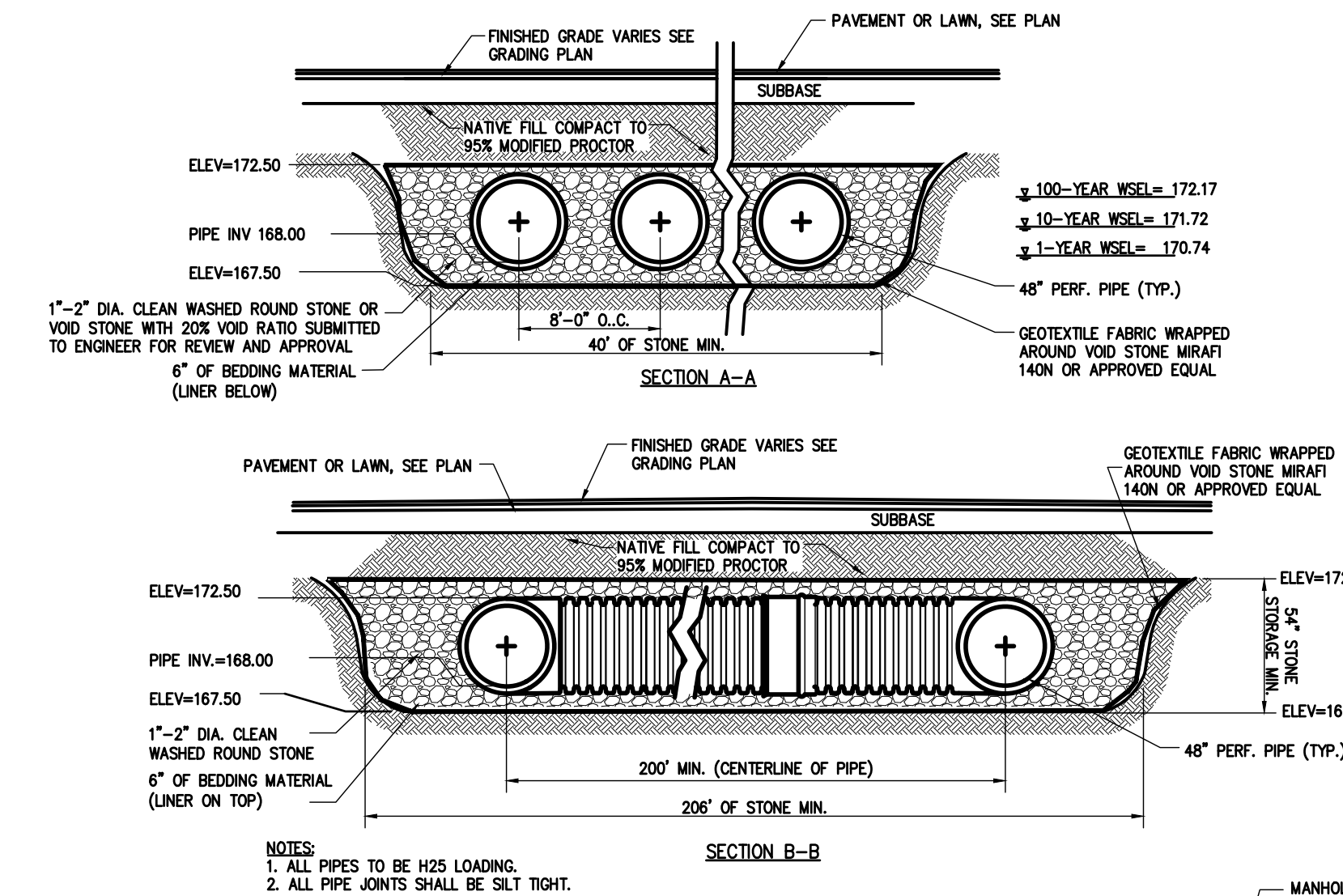


- EQUIPMENT PERFORMANCE
- The stormwater treatment unit shall adhere to the hydraulic parameters given in the chart below and provide the removal efficiencies and storage capacities as follows:
- The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
  - Peak Hydraulic Capacity: 8.0 cfs (227 l/s)
  - Sediment Storage Capacity: 2.10 cu. yd. (159 cu. m)
  - Continuous Oil Storage Capacity: 216 gal. (818 liters)
  - Sediment shall be stored in a zone that is isolated from the main flow path and protected from reentrainment by a benching skirt.
  - OK-110 110 micron 80% TSS removal 4.25 cfs (120.3 l/s) (NUDEP Test Protocol)

HYDRODYNAMIC UNIT (WQV#1- DOWNSTREAM DEFENDER BY HYDRO-INTERNATIONAL)  
N.T.S.



2000 GALLON TYPE II GREASE INTERCEPTOR  
N.T.S.

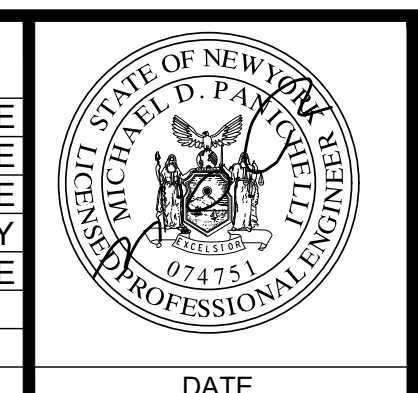


MANHOLE DETAIL  
N.T.S.

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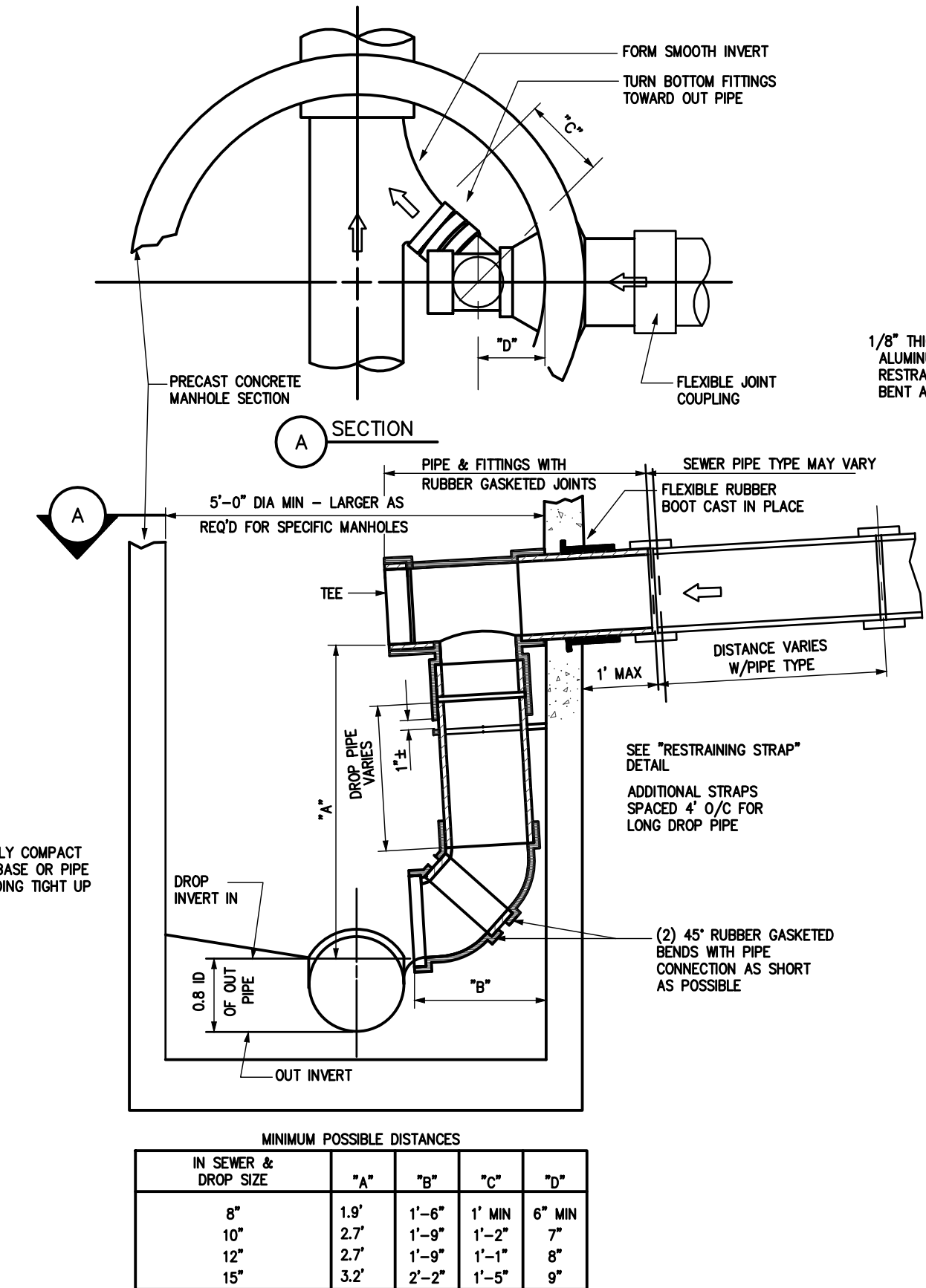
**SITE DETAILS**

42 GATES AVE  
VILLAGE OF VICTORY  
NEW YORK

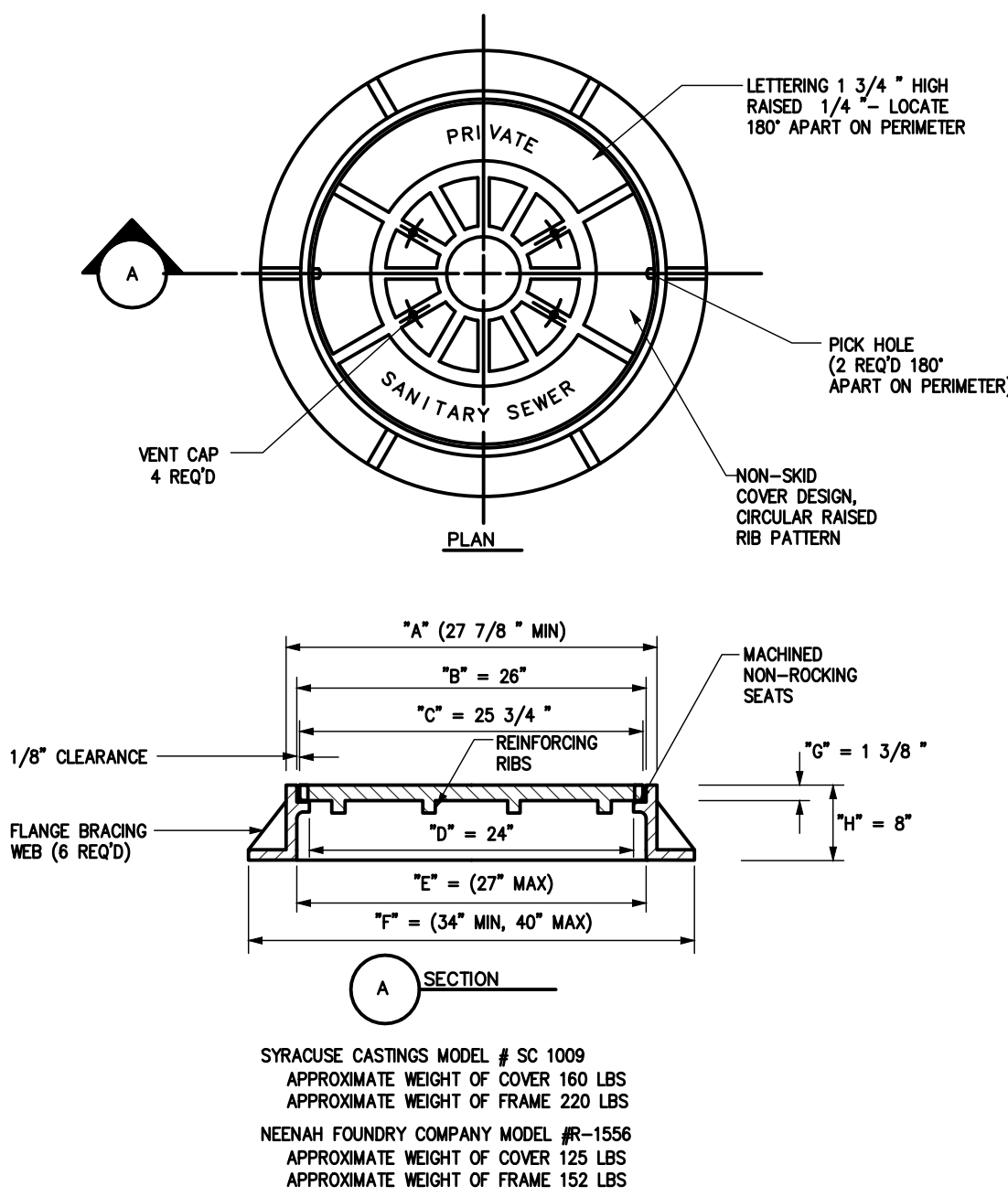
SCALE: N.T.S.  
CONTRACT No.:  
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**D-3**



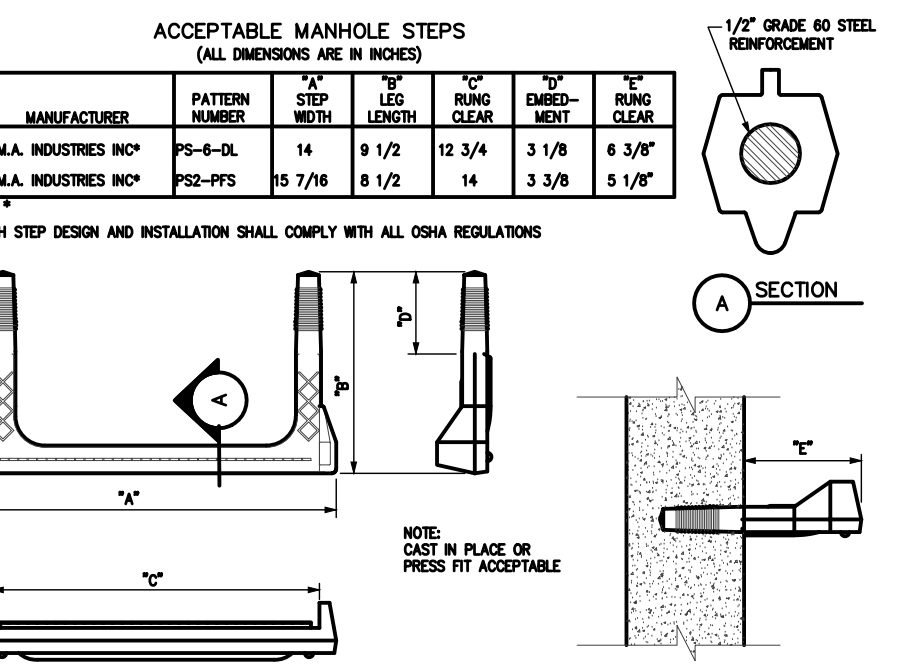
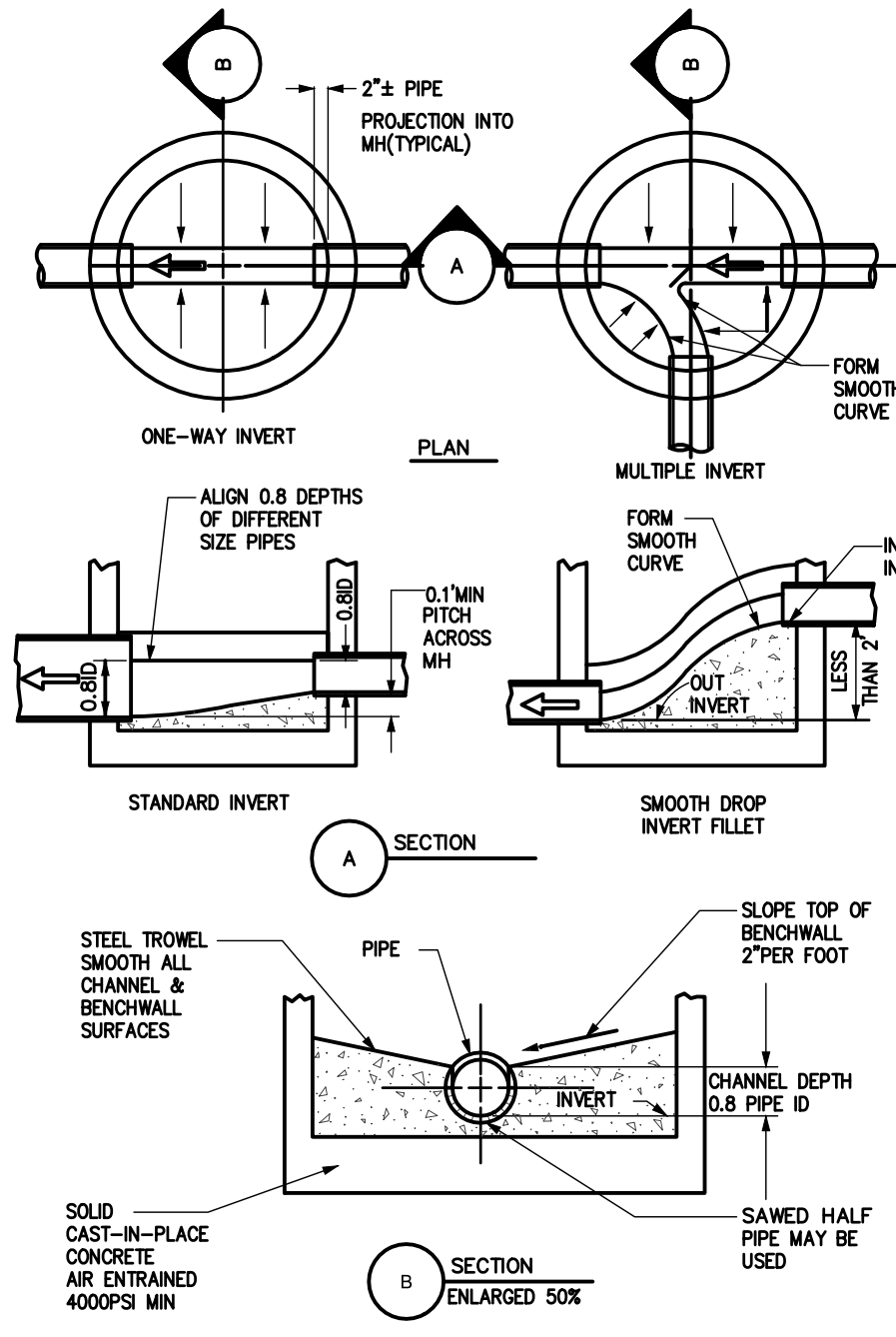


INSIDE DROP MANHOLE  
N.T.S.

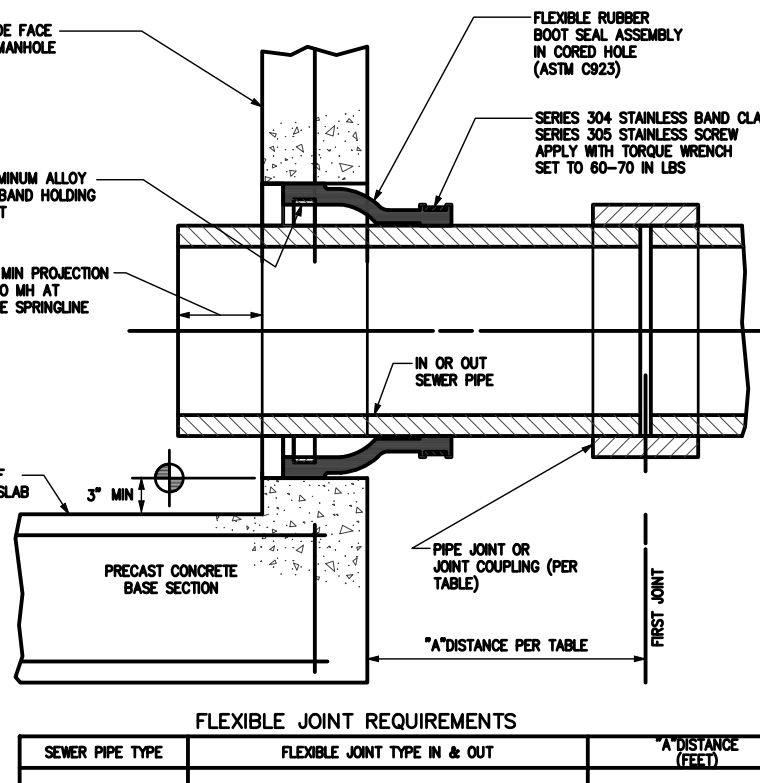


COPOLYMER POLYPROPYLENE PLASTIC MH STEP  
N.T.S.

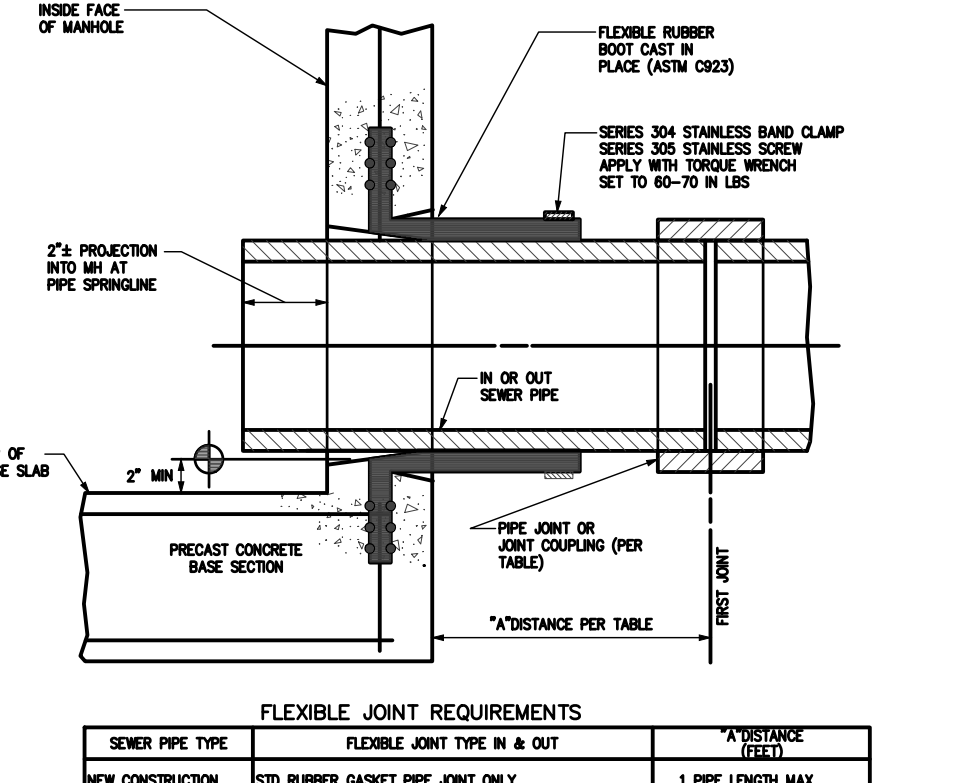
RESTRAINING STRAP  
N.T.S.



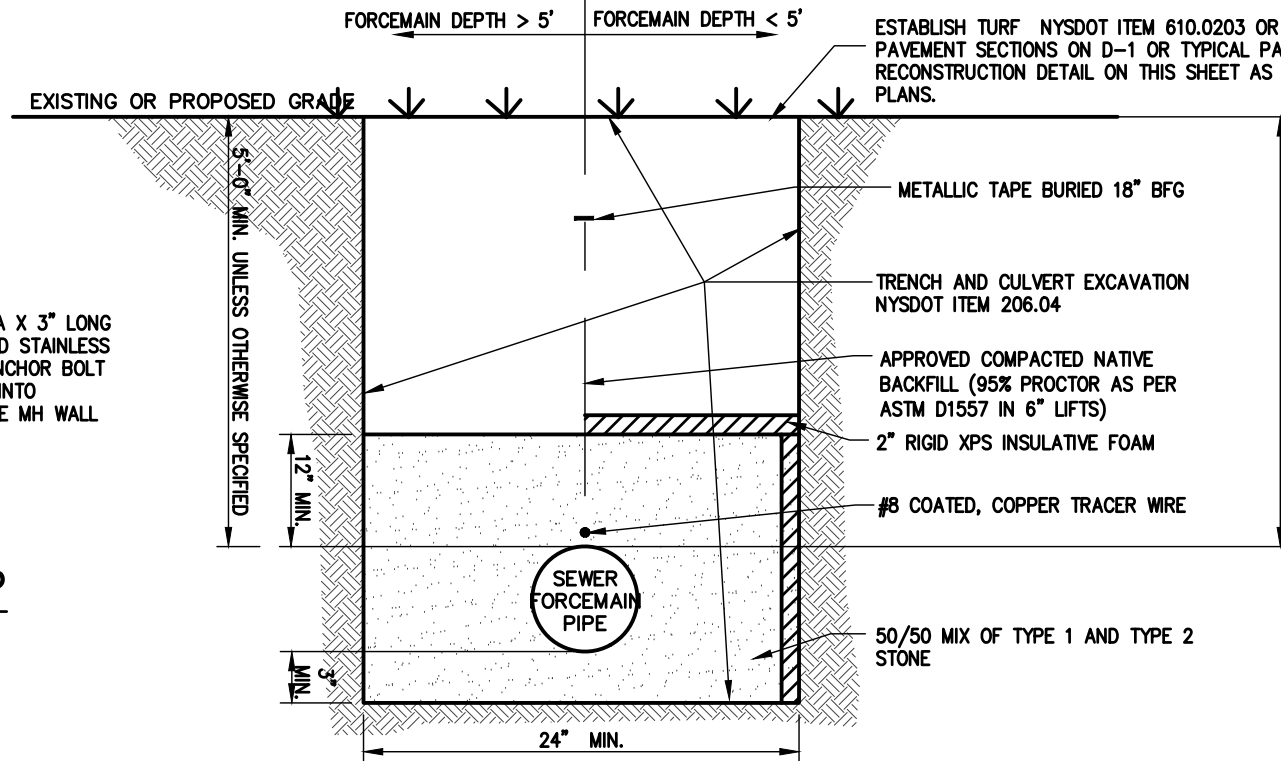
FORMED OR CORED HOLE WITH FLEXIBLE PIPE-TO-MH-JOINT  
N.T.S.



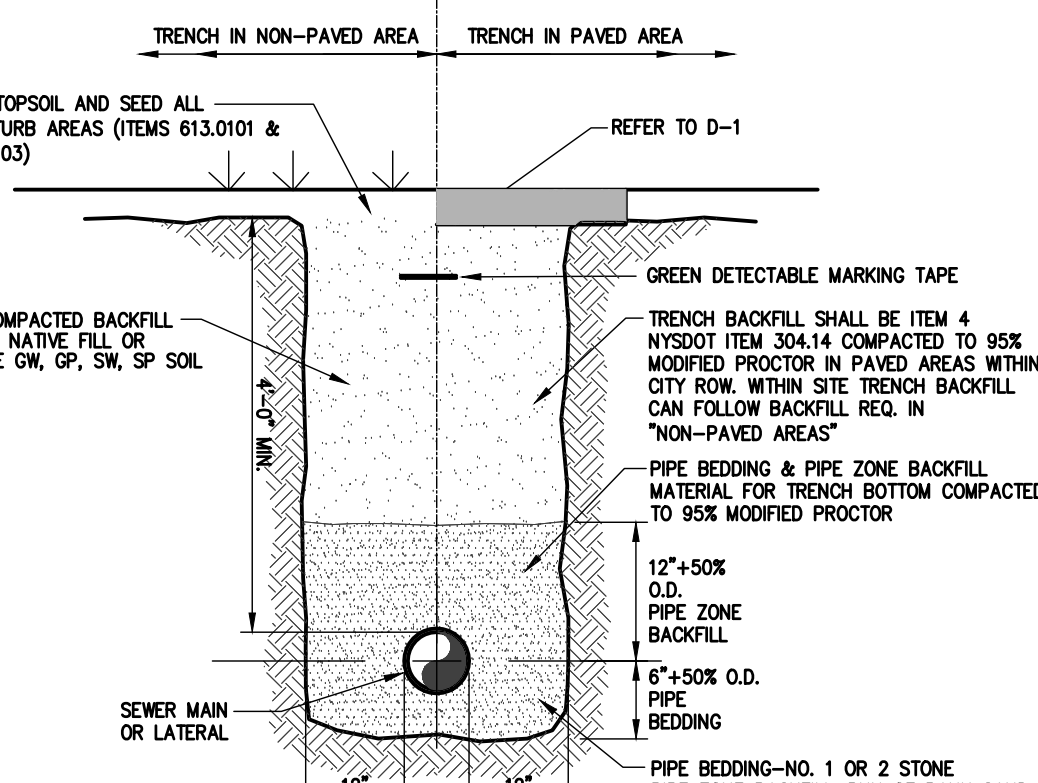
PRECAST HOLE FLEXIBLE PIPE-TO-MH-JOINT  
N.T.S.



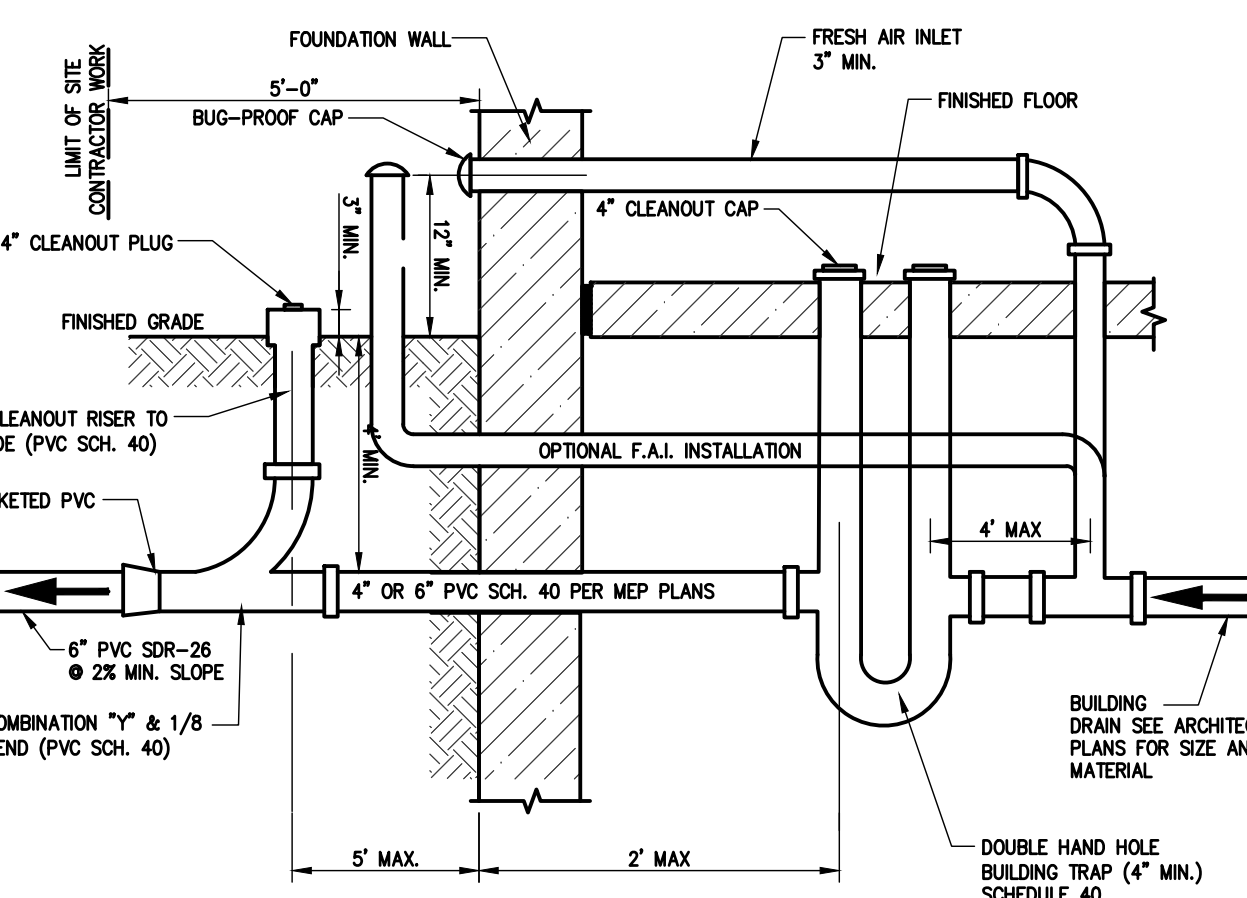
TYPICAL SEWER FORCEMAIN TRENCH  
N.T.S.



SEWER TRENCH  
N.T.S.



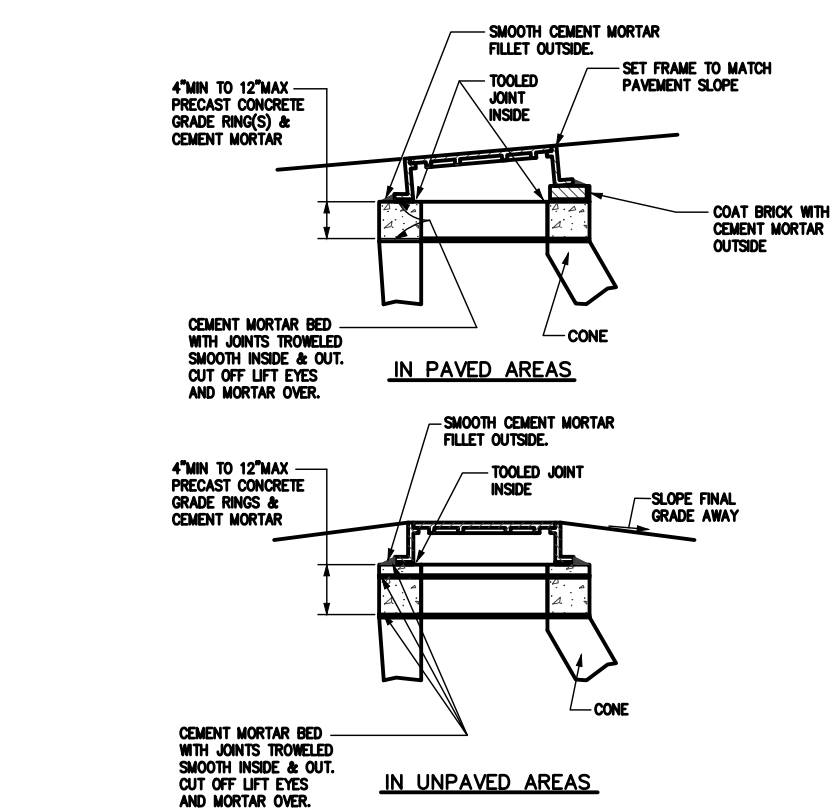
TYPICAL COMMERCIAL BUILDING SEWER SERVICE  
N.T.S.



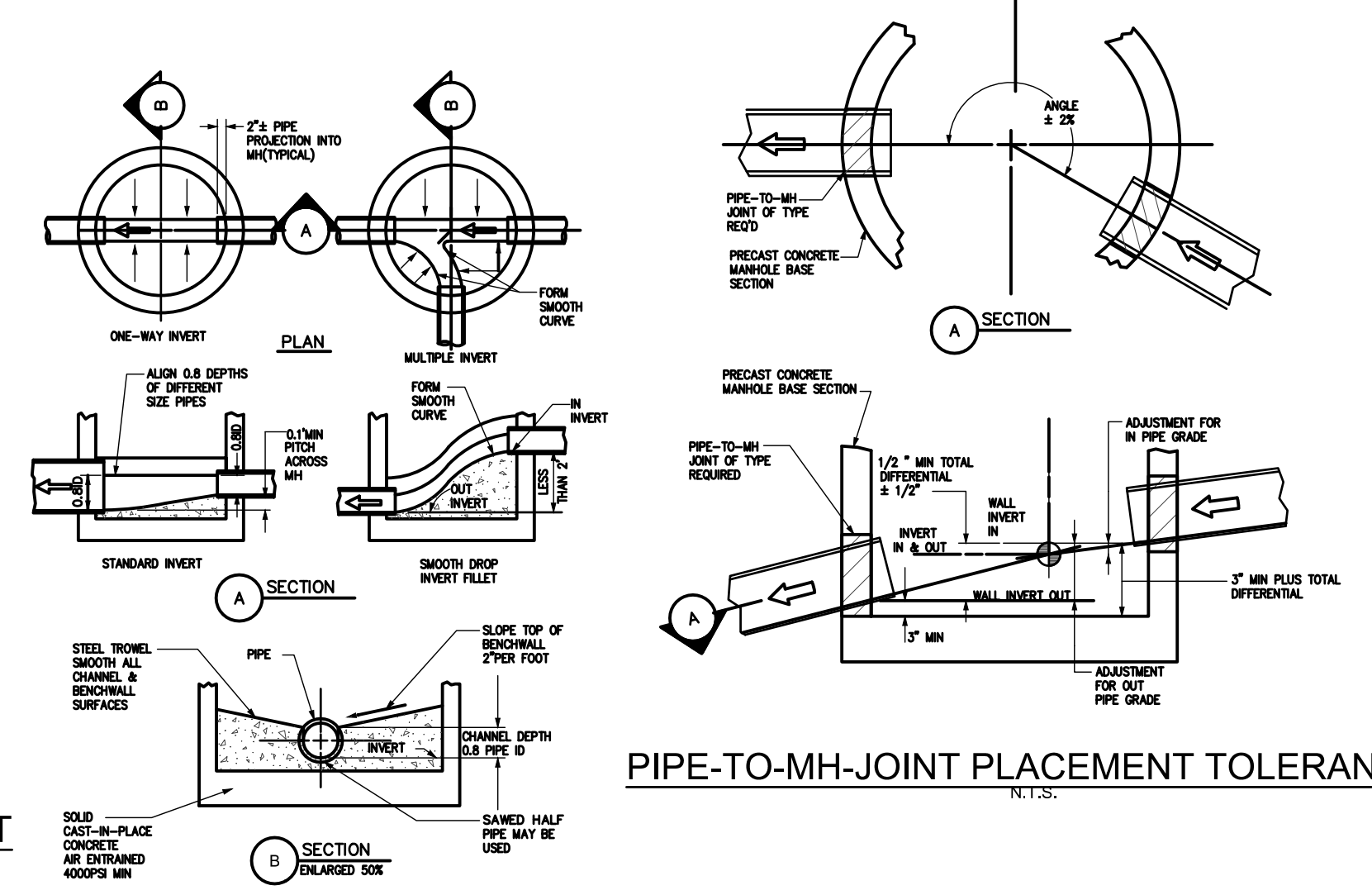
GENERAL NOTES

- EXCAVATION, TRENCHING, SHEETING AND SHORING REQUIREMENTS:
- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY OF ALL SHEETING AND SHORING USED AND FOR ALL DAMAGE RESULTING FROM ITS FAILURE OR FROM PLACING, MAINTAINING AND REMOVING IT.
- B. REQUIREMENTS OF REGULATORY AGENCIES:
- SUBPART 23-4, "EXCAVATION OPERATIONS", OF NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE 23.
  - SUBPART P, "EXCAVATIONS" OF UNITED STATES DEPARTMENT OF LABOR OSHA REGULATIONS FOR CONSTRUCTION.
  - THE MORE STRINGENT REQUIREMENT IN EACH OF THE ABOVE CODES SHALL APPLY. THESE REQUIREMENTS ARE MINIMUM REQUIREMENTS AND SHALL BE INCREASED IF NECESSARY TO PROVIDE SAFE WORKING CONDITIONS.
  - ALL MUNICIPAL, COUNTY, STATE, OR FEDERAL ORDINANCES, REGULATIONS, OR LAWS AND ALL NECESSARY PERMITS AND APPROVALS OBTAINED BY THE CONTRACTOR SHALL BE OBSERVED.

CAST IRON MH COVER INSTALLATION  
N.T.S.



PIPE-TO-MH-JOINT PLACEMENT TOLERANCES  
N.T.S.

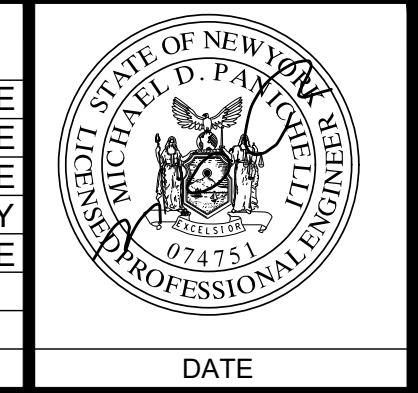


INVERT, CHANNELS AND BENCHWALLS  
N.T.S.

PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

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REGAN DEVELOPMENT  
**SITE DETAILS**  
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: N.T.S.  
CONTRACT No.: MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019  
**D-4**



A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE, STATE AND LOCAL CODES, APPLICABLE SECTIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND ANY OTHER APPLICABLE CODES AND REQUIREMENTS.

B. PROVIDE ALL EQUIPMENT, MATERIALS, CONDUIT, WIRING AND SUPPORTS SPECIFIED AND AS REQUIRED TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS. COORDINATE ACTIVITIES, SCHEDULING AND DIVISION OF RESPONSIBILITIES WITH OTHER DISCIPLINES PRIOR TO COMMENCING WORK.

C. EQUIPMENT ELECTRICAL, CONDUIT ROUTINGS AND DIMENSIONS SHOWN ON THE PLAN ARE TO BE MAINTAINED.

D. COORDINATE LOCATIONS, POWER AND TELEPHONE SERVICE INSTALLATION WITH THE UTILITIES. PROVIDE ALL MATERIALS AND EQUIPMENT REQUIRED AND INSTALL PER UTILITY COMPANY REQUIREMENTS.

E. WORK WITHIN PUMPING STATION WELL HEADS AND VENTS SHALL COMPLY WITH NEC CLASS 1, DIV 1 REQUIREMENTS. PROVIDE ALL REQUIRED MATERIALS.

F. REFER TO CONSTRUCTION DRAWINGS FOR SITE PLAN AND ADDITIONAL MATERIALS.

G. CONDUCTORS SHALL BE THINW, 75C STRANDED COPPER IN CONDUIT. SERVICE CONDUCTORS SHALL BE THINW OR THINW-ALUMINUM IN CONDUIT OR CABLE.

H. CONDUIT SHALL BE RIGID GALVANIZED STEEL, HOT-DIPPED INSIDE AND OUT, WHEN FLEXIBILITY IS REQUIRED USE CLAMPED, SIZE PER NEC OR AS SHOWN ON PLANS (WHICHEVER IS LARGER). UNLESS NOTED OTHERWISE, MINIMUM SIZE SHALL BE 3/4" IN. FMC MAY BE USED WITH THE EQUIPMENT EXCEPT WHERE NOTED OTHERWISE.

I. JUNCTION AND PULL BOXES SHALL BE NEMA 3A, 4X OR 7. PROVIDE SEAL FITTINGS.

J. PROVIDE UTILITY MOUNTED TRANSFORMER COMPARTS PER UTILITY SPECIFICATIONS AND REQUIREMENTS.

1. GENERATOR SHALL BE CUMMINS POWER GEN C30 DE WITH A LEVEL 2 QUITE SITE ENCLOSURE;  
DIESEL FUEL  
VOLTAGE: 208Y/120V.  
PHASE: 3  
WRE: 4  
FREQUENCY: 60Hz  
STANDBY CAPACITY: 30KW (38KVA)  
FULL LOAD AMPS: 40 AMPS  
TEMPERATURE RISE: 120°F; P/NG  
12-LEAD, BROAD RANGE, RECONNECTABLE  
POWER COMMAND 2100, INFA 110 COMPLIANT CONTROL PANEL  
REMOTE FAULT SIGNAL PACKAGE  
120V, 1500 WATT COOLANT HEATER  
120V, BATTERY PAD HEATER  
WEATHER PROTECTIVE ENCLOSURE  
MUFFLER - CRITICAL GRADE  
RAIN CAP.  
BATTERIES  
BATTERY RACK  
BATTERY CABLES TO GENERATOR AND CHARGER  
150 AMP LINE CIRCUIT BREAKER: (1) 150 AMP  
5 YEAR COMPREHENSIVE EXTENDED COVERAGE WARRANTY.  
ALSO TO HAVE LEVEL TWO NOISE ABATEMENT SYSTEM BY SAME MANUFACTURER

2. TRANSFER SWITCH SHALL BE ONAN MODEL OTEC W/ LEVEL 1 CONTROLS AS FOLLOWS:  
VOLTAGE: 208V.  
POLES: 3  
NEUTRAL: SOLID.  
AMPS: 125 AMP RATED SERVICE.  
START TIME DELAY ~ 0 TO 15 SECONDS.  
PROGRAMMED TRANSITION ~ 0 TO 60 SECONDS.  
PROGRAMMABLE, 7-DAY SCHEDULE STATE EXERCISER CLOCK.  
BATTERY CHARGER ~ 10 AMPS.  
AUXILIARY RELAYS ENERGIZED ~ NORMAL SOURCE, EMERGENCY SOURCE.  
GEN-SET START CONTACTS  
APPLICATION MODULES ~ SWITCH ~ AUTO/MANUAL.  
ENCLOSURE ~ NEMA 1.

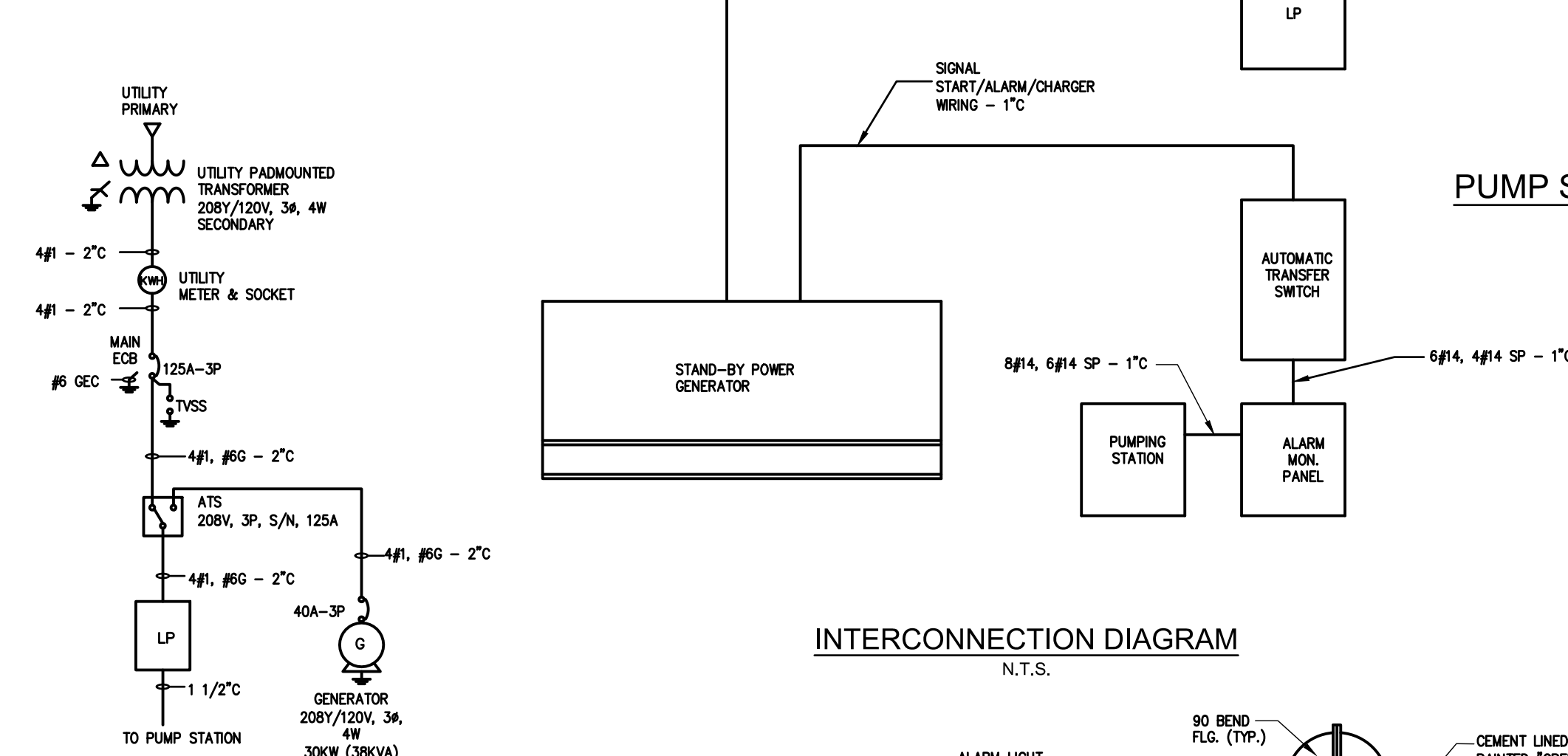
CONTRACTOR TO VERIFY WITH POWER COMPANY AND MUNICIPALITY TO ENSURE SUFFICIENT POWER CAN BE DELIVERED TO THE PROJECT SITE

1. ENCLOSURE WIRING SHALL BE IN FMC OR TYPE MC CABLE
3. ALARM/CONTROL MONITORING PANEL SHALL BE PROVIDED BY FYDOT. CONFIRM SIZE WITH THE OWNER FOR PANEL LAYOUT  
CONTROL/ALARM SHALL BE ABLE TO PROVIDE THE FOLLOWING  
NEMA 1 ENCLOSURE OR BETTER  
PUMP ON, PUMP OFF, LAG PUMP ON  
ALARM FOR LOW-LEVEL, HIGH-LEVEL, PUMP MALFUNCTION, ALARM TEST, LOW BATTERY,  
POWER OUTAGES, SIGNAL LIGHT AND HORN.  
HOURS METERS
4. ENCLOSURE: 77"x44"xw26", ALUMINUM#774426 WITH ALUMINUM BACK PANEL.  
ENCLOSURE LIGHT PART #018553 SHALL BE PROVIDED. PENETRATIONS THROUGH ENCLOSURE SHALL BE WEATHER SEALED.
5. STUB-UP CONDUCITS 3" AFC. PROVIDE FMC OR MC FOR FINAL TERMINATION TO EQUIPMENT. BOND CONDUCITS TO ENCLOSURE.
7. MAIN ECB SHALL BE 208V, 3P, S/N, 125A, Q2L-H ENCLOSED CIRCUIT BREAKER, NEMA 1, SQUARE D CLASS 610 OR APPROVED EQUAL.
8. MOUNT UTILITY METER AS SHOWN
9. THE SIZE OF THE EQUIPMENT ENCLOSURE IS BASED ON THE SPECIFIED COMPONENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LARGER SIZE ENCLOSURE, IF REQUIRED, WHEN PROVIDING ALTERNATE MATERIALS.
10. METER MOUNTING HEIGHT SHALL BE PER UTILITY REQUIREMENTS.
11. PANEL SHALL BE WIRED FOR A DUPLEX GFI RECEPTACLE

PANEL: LP				SQUARE D NQOD, CU. BUS				MAIN CB: 125 A			
VOLTAGE: 208Y/120 V, 3Ø, 4 WIRE								NO. POLES: 12			
MINIMUM A.L.C.: 10KA								[ENCL: NEMA 1			
CKT. NO.	CIRCUIT DESCRIPTION	TRIP AMP	BRANCH FEEDER	CKT. KVA		CKT. KVA	BRANCH FEEDER	TRIP AMP	CIRCUIT DESCRIPTION	CKT. NO.	
1	ALARM PANEL	20A-1P	#212, #120	0.31		10	#4#6, #100	#50A-3P	PUMP STATION CONTROL PANEL	2	
3	ENCLOSURE LIGHT	20A-1P	#212, #120	0.15						4	
5	ALARM MON. PANEL	20A-1P	#212, #120	0.1						6	
7	SPARE	20A-1P	—	—						8	
9	SPARE	20A-1P	—	—						10	
11	SPARE	20A-1P	—	—						12	
*NOTES: BRK. RATING AND FEEDER SIZE SHALL BE IN ACCORDANCE WITH THE FOLLOWING: INCREASE IN SIZE AS REQUIRED.											

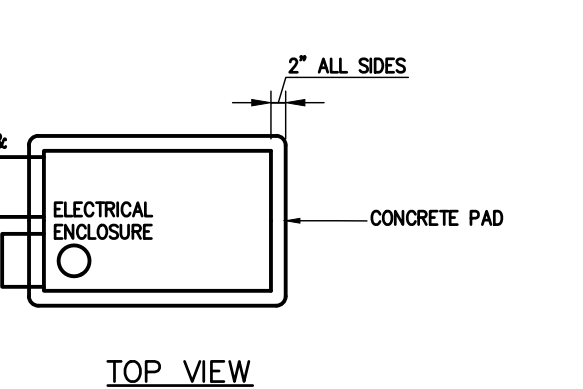
ATS	AUTOMATIC TRANSFER SWITCH
ECB	ENCLOSED CIRCUIT BREAKER
GEC	GROUNDING ELECTRODE CONDUCTOR
SP	SPARE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE

LOW LEVEL  
HIGH LEVEL  
PUMP MALFUNCTION  
POWER OUTAGE  
GENERATOR OVERC  
LOW BATTERY  
ALARM TEST

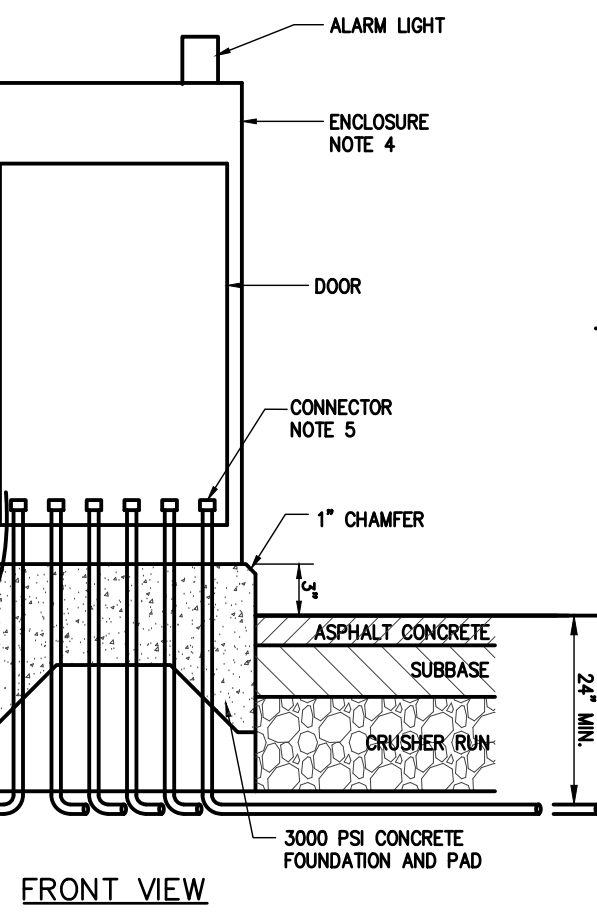


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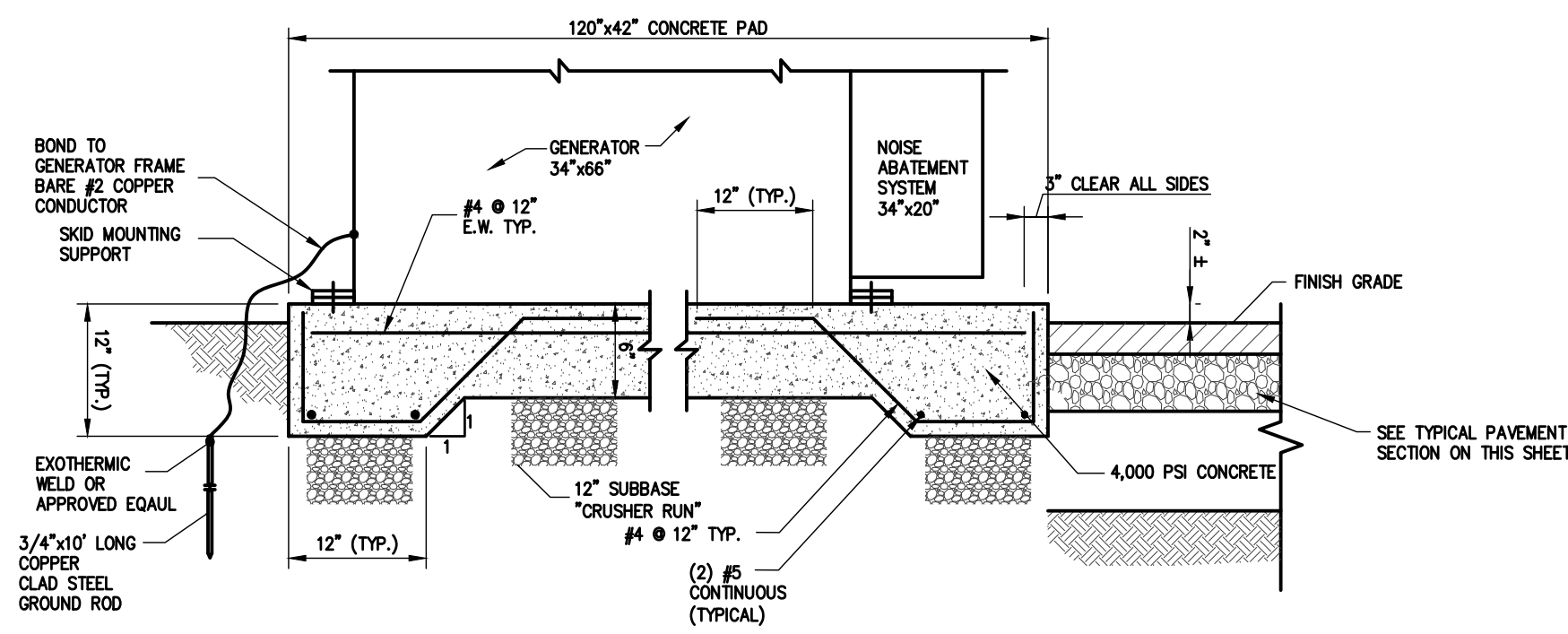
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N.T.S.



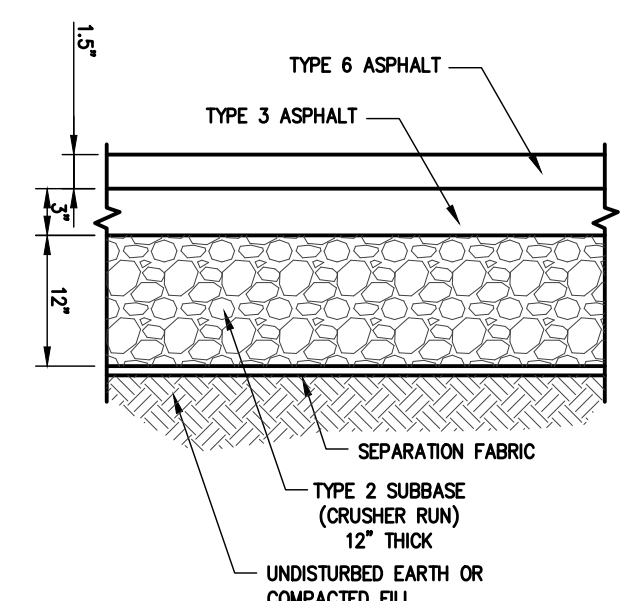
NTS



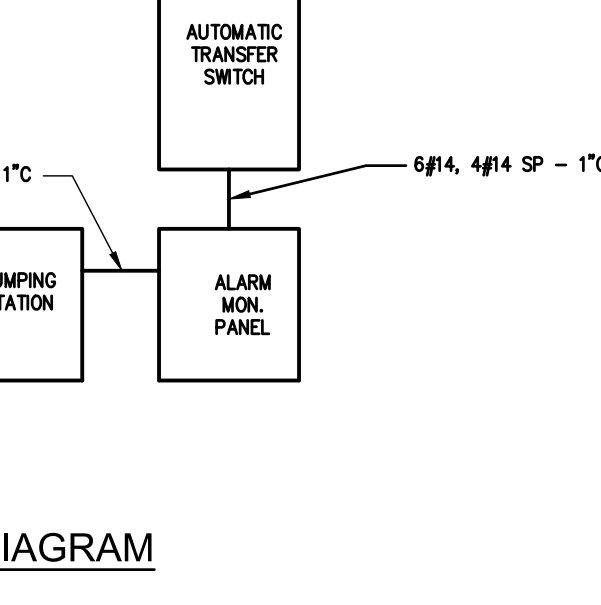
N.T.S.

NOTES:

1. COORDINATE WITH GENERATOR SUPPLIER FOR EXACT LOCATIONS OF ALL "STUB UPS" PASS THROUGH THE SLAB (CONDUITS, ETC.). PROVIDE MASONRY TYPE FASTENERS OF ADEQUATE LENGTH AND DIAMETER TO RETAIN GENERATOR TO SLAB.



N.T.S.



1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

1. AN UNLAPSED TIME METER SHALL BE PROVIDED FOR EACH PUMP.
2. EACH CONTROL PANEL SHALL CONTAIN A MANUAL TRIP SWITCH AND A GENERATOR TAP WITH A HINGED COVER.
3. CONTROL CIRCUITRY SHALL ALTERNATE PUMPS, PROVIDE FOR A LEAD-LAG PUMPING SEQUENCE, STOP STARTS FOR MOTOR AND PROVIDE A DELAY TO PREVENT SIMULTANEOUS STARTING OF THE PUMPS.
4. THE PUMPS SHALL BE NON-CLOG SEWAGE PUMPS:
  - A MANUFACTURER: FLYST
  - B PUMPING RATE: MAX 210 GPM
  - C MAX 6.5 FEET TDH
  - D MODEL NP31025H-3
  - E 1.35 inch IMPELLER
  - F 6.5 HP, 3 PHASE, 200 VOLTS.
5. CONTRACTOR TO CONFIRM VOLTAGE SUPPLY WITH POWER COMPANY BEFORE ORDERING PUMP STATION. CONTRACTOR TO COORDINATE INSTALLATION OF ELECTRICAL SERVICE WITH POWER COMPANY.

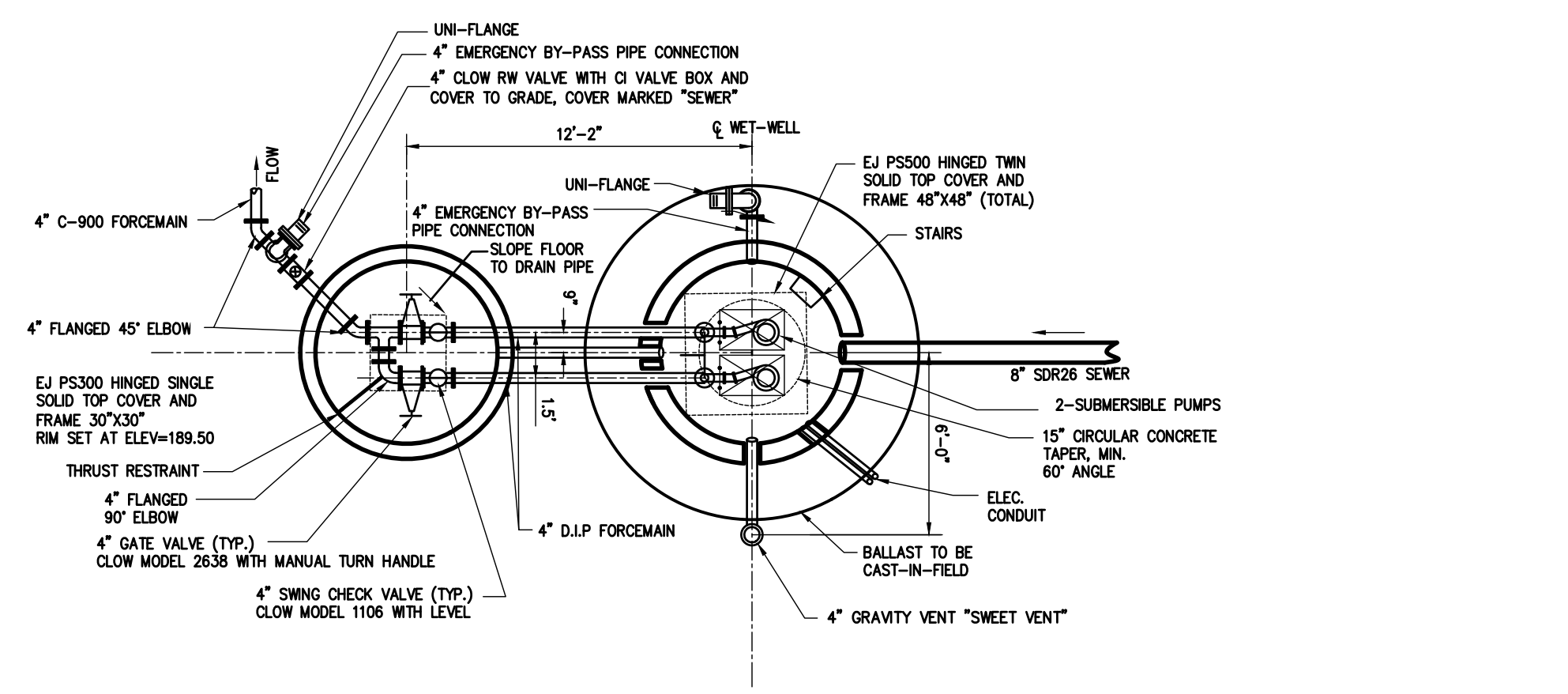
PRESSURE TRANSDUCER SYSTEM TO BE INSTALLED FOR PUMP CONTROLS IN ADDITION TO THE HIGH AND LOW LEVEL FLOATS.

PRECAST CONCRETE MANHOLE SECTIONS  
4000 PSI AT 28 DAYS, 5% ENTRAINED AIR  
ASTM-A497  
REINFORCING STEEL ASTM A615 - A497

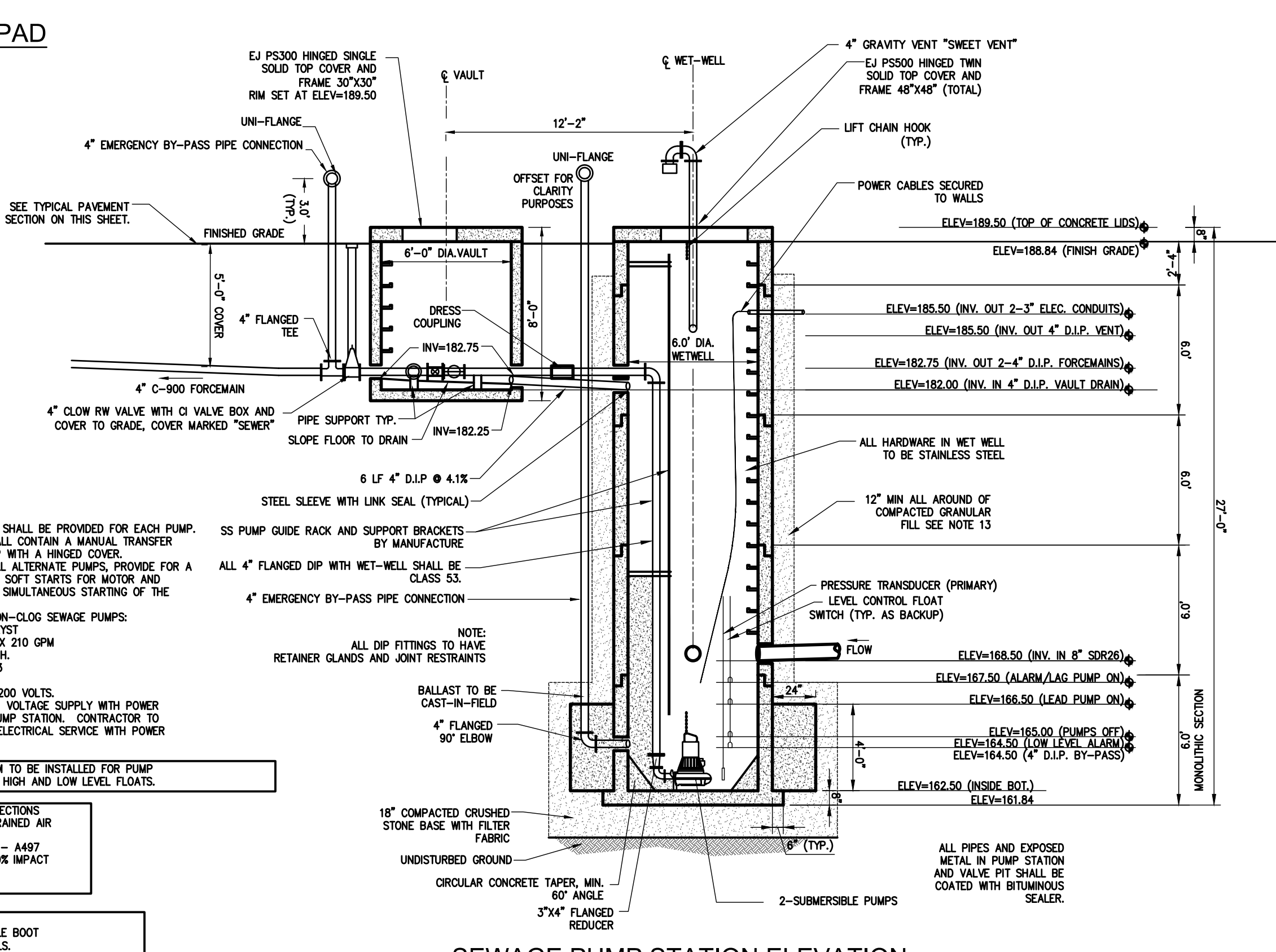
AASHTO H-20 LOADING WITH 30% IMPACT  
AND 30 PSF SOIL LOADING  
TYP. ALL STRUCTURES

CONNECTION OF SANITARY PIPE  
TO MANHOLE SHALL BE FLEXIBLE BOOT  
OR STAINLESS STEEL LINK SEALS.

1. THERE SHALL BE NO CHANGES ON THESE PLANS IN ADVANCE OF, OR DURING CONSTRUCTION, WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER, THE COUNTY HEALTH DEPARTMENT, AND THE MUNICIPALITY.
2. DESIGN, CONSTRUCTION, MATERIAL STANDARDS, MIN. SEPARATION DISTANCES, AND INSPECTION REQUIREMENT SHALL COMPLY WITH THE LATEST EDITIONS OF:
  - A. RECOMMENDED STANDARDS FOR WATER WORKS.
  - B. NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PUBLICATIONS: DESIGN OF WASTEWATER TREATMENT WORKS, 1988.
  - C. CLEMMER'S PUBLICATION: RECOMMENDED STANDARDS FOR SEWAGE WORKS.
  - D. NATIONAL ELECTRIC CODE.
3. ALSO SEE APPLIED ENGINEERING REPORT(S), SPECIFICATIONS, ETC.
4. THE CONTRACTOR SHALL CONFORM TO THE NATIONAL FIRE PROTECTION (NFPA) - NATIONAL ELECTRIC CODE (NEC).
5. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO START OF CONSTRUCTION.
6. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND (UFG) (1-800-962-7982) FOR VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES AT LEAST 48 HOURS BEFORE CONSTRUCTION OF ANY UTILITY DEEPER THAN 48" BELOW FINISHED GRADE.
7. ALL FILL MATERIAL TO BE COMPACTED TO 95% STANDARD PROCTOR.
8. THE CONTRACTOR SHALL GUARANTEE ALL ELECTRICAL COMPONENTS FOR A PERIOD OF TWO YEARS.
9. THE CONTRACTOR SHALL SUBMIT MANUFACTURER'S DATA, CATALOG SHEETS AND PERFORMANCE REQUIREMENTS TO THE ENGINEER AND TOWN TO REVIEW PRIOR TO CONSTRUCTION.
10. ELECTRICAL EQUIPMENT INSTALLED PURSUANT TO THIS PLAN MUST BE CERTIFIED BY THE NEW YORK BOARD OF THE FIRE UNDERWRITERS. A COPY OF THAT CERTIFICATE SHALL BE FURNISHED TO THE NEW YORK STATE HEALTH DEPARTMENT.
11. STANDARD SEWER LINE AND MANHOLE WATER TIGHTNESS TESTS AND INSPECTIONS SHALL BE CONDUCTED. (LEAKAGE NOT TO EXCEED 100 GALLON PER INCH DIAMETER PER 100 FEET).
12. PAVED SIDEWALKS TO BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION.
13. SIDEWALK PAVEMENT AREAS SHALL BE BACKFILLED WITH ACCEPTABLE R.O.B. GRAVEL MEETING THE GRADATION REQUIREMENTS OF SELECT GRANULAR FILL NYSDOT SECTION 203.23 ITEM 203.07.
14. CONNECTIONS OF SANITARY PIPE TO MANHOLE SHALL BE A FLEXIBLE DOWNSIDE CONNECTIONS OR STAINLESS STEEL LINK SEALS.
15. ALL HARDWARE IN WET WELL TO BE STAINLESS STEEL.



SCALE: 1"=5'



SCALE: 1"=5'

PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

[illegible]

PROJ. MANAGER:	JWE
CHIEF DESIGNER:	JWE
DESIGNED BY:	JWE
DRAWN BY:	APY
CHECKED BY:	JWE



DATE \_\_\_\_\_

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



Engineering and  
Land Surveying, P.C.

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1533 Crescent Road - Clifton Park, NY 12065

## REGAN DEVELOPMENT

## SITE DETAILS

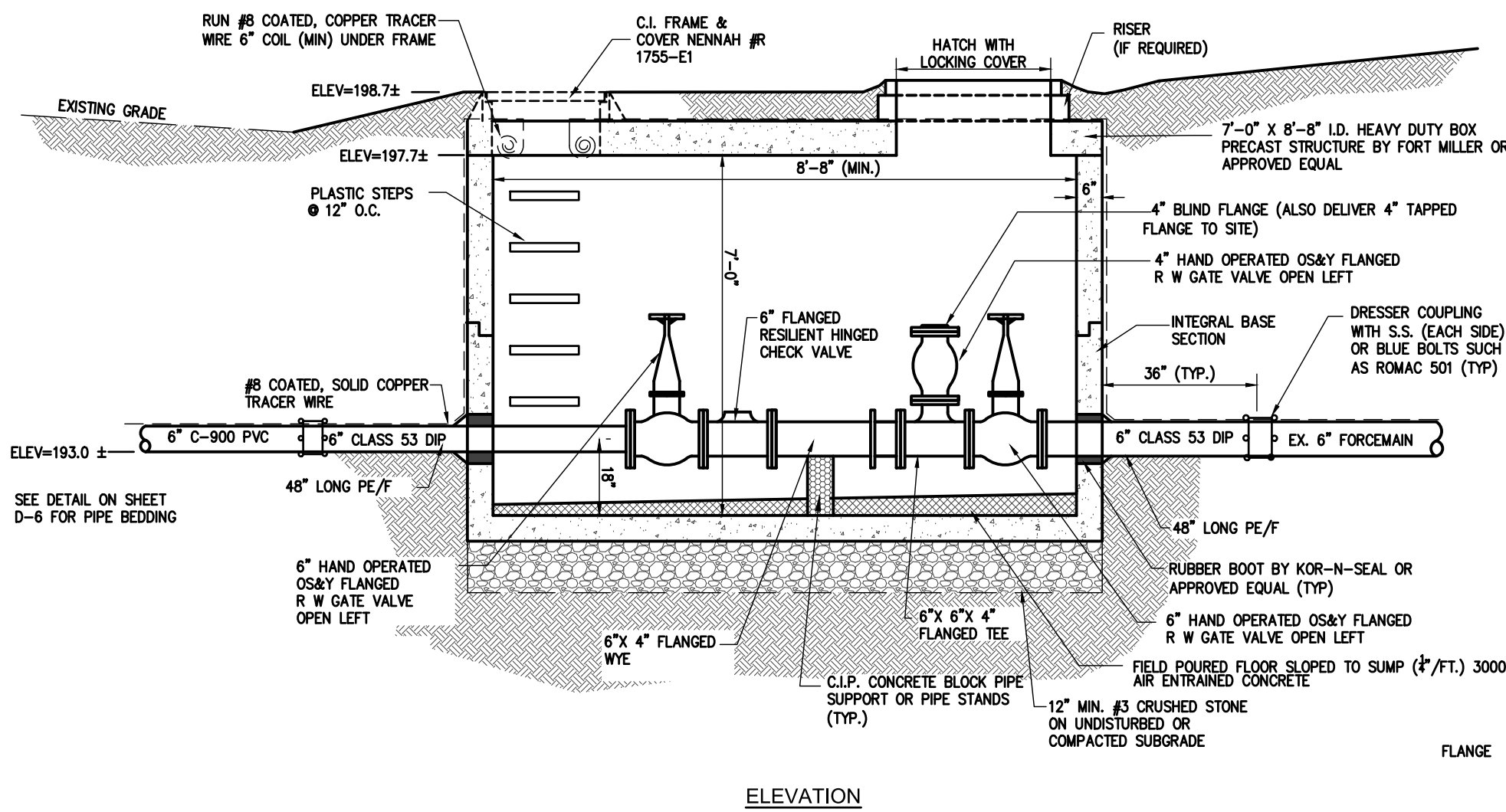
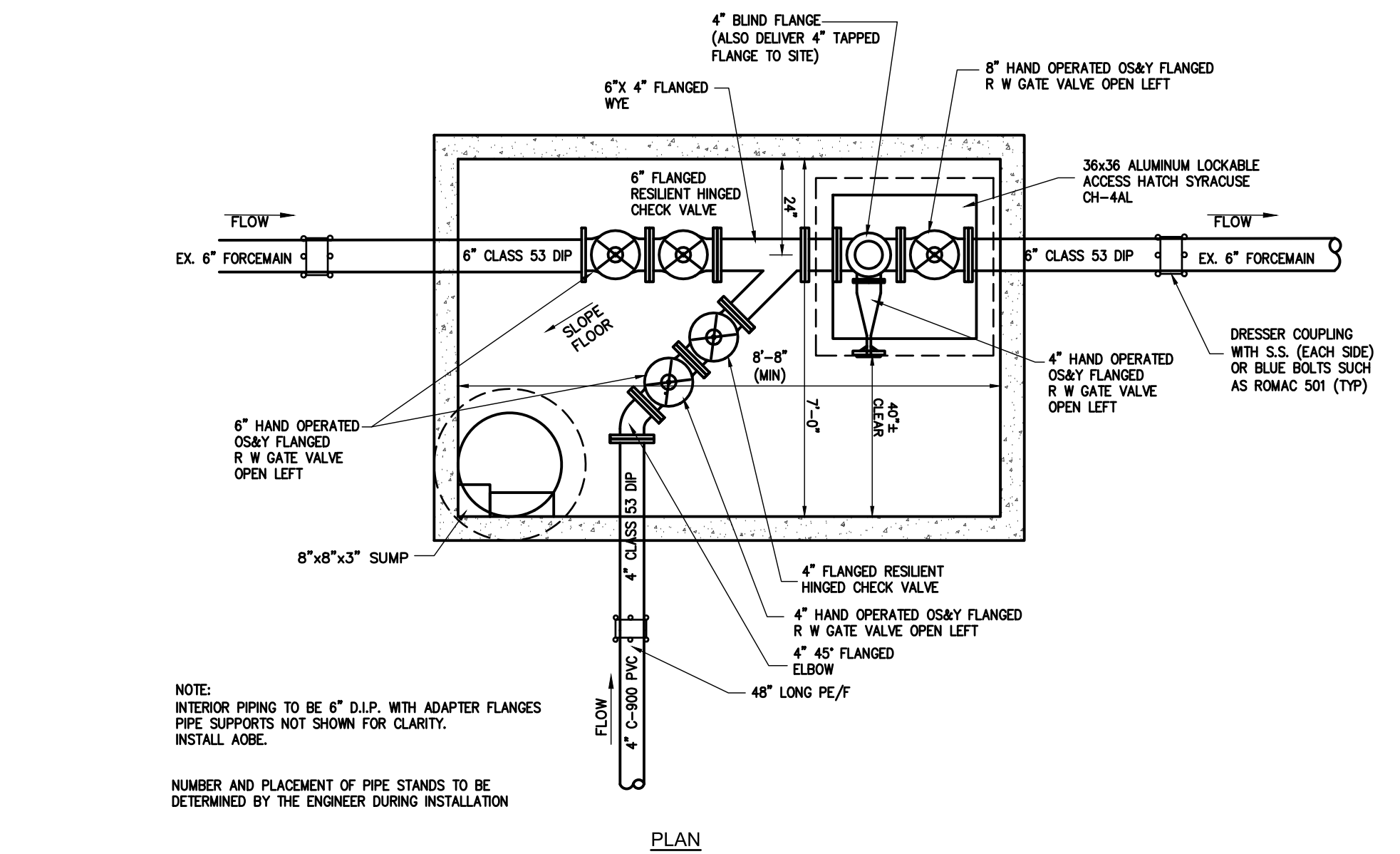
42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: N.T.S.  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

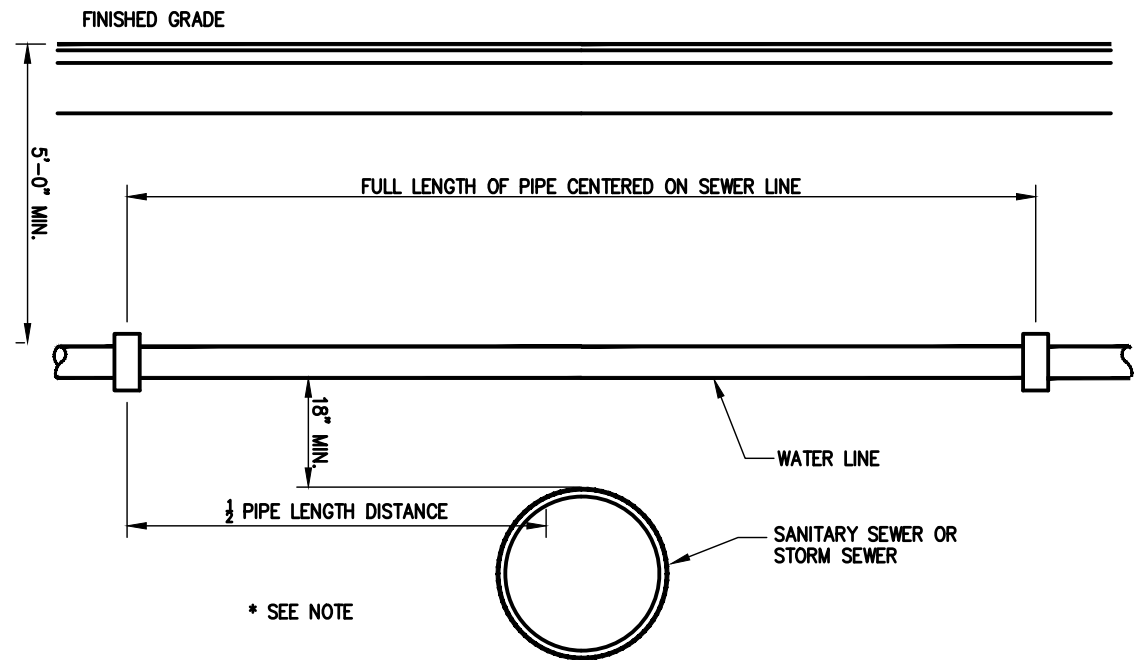
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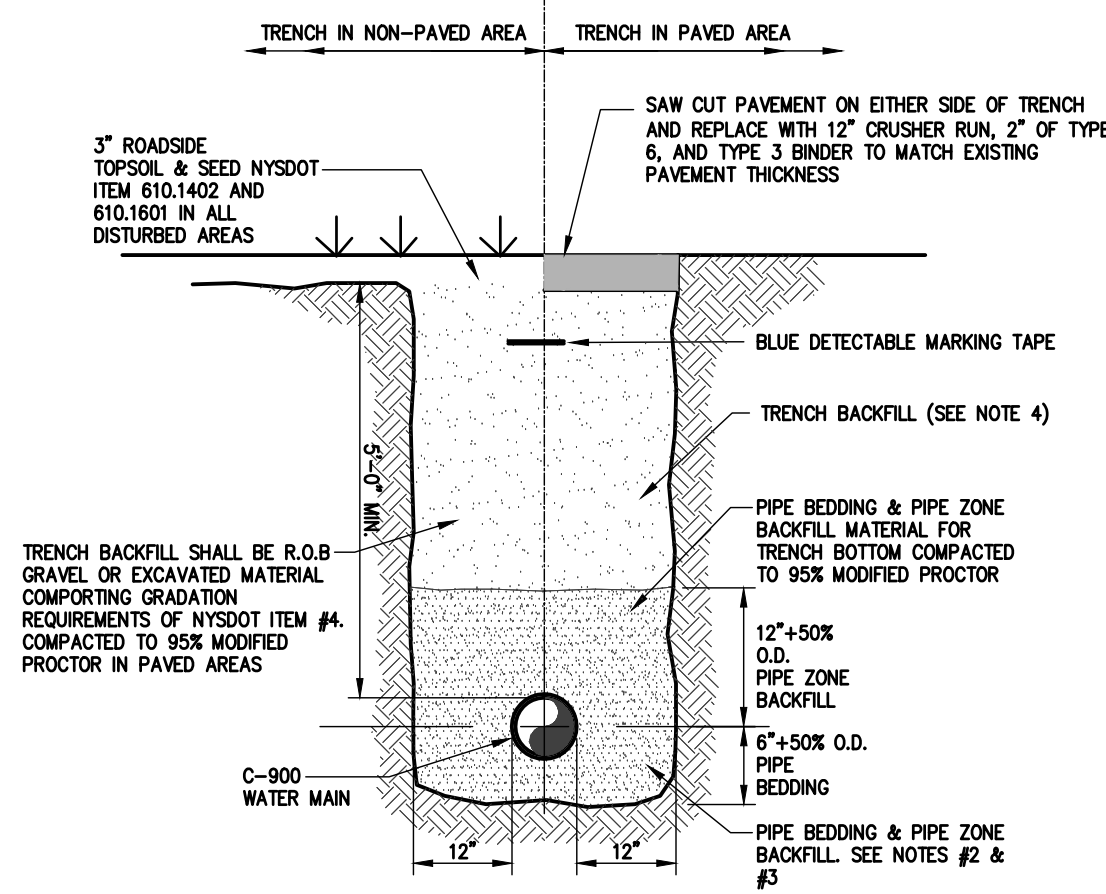
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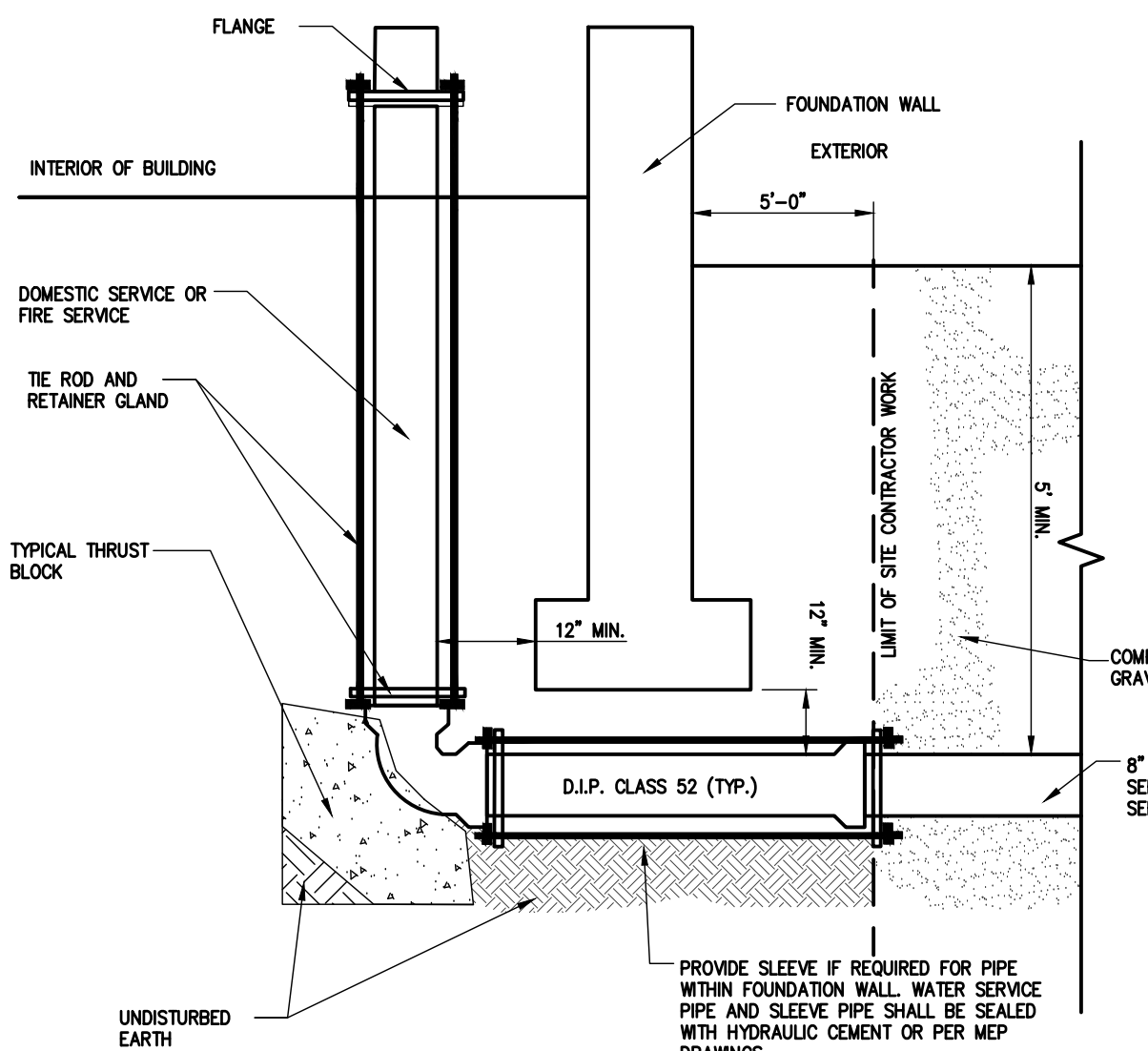
SEWER FOREMAIN JUNCTION VAULT  
N.T.S.



WHEN INSTALLED PARALLEL, ALL WATER AND SEWER LINES SHALL HAVE A MINIMUM SEPARATION OF 10' EDGE TO EDGE. IF MINIMUM CANNOT BE MAINTAINED, WATER MAIN SHALL BE IN SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELVE TO ONE SIDE OF SEWER, WITH BOTTOM OF WATER MAIN 18" MINIMUM ABOVE TOP OF SEWER PIPE. WHEN CROSSING, MAINS SHALL BE INSTALLED TO INSURE 18" MINIMUM VERTICAL SEPARATION BETWEEN PIPES, OUTSIDE TO OUTSIDE. WHERE WATER MAIN IS UNDERNEATH SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO WATER MAIN. WHEN IT IS IMPOSSIBLE TO PROVIDE THE ABOVE MINIMUMS, THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE, AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.



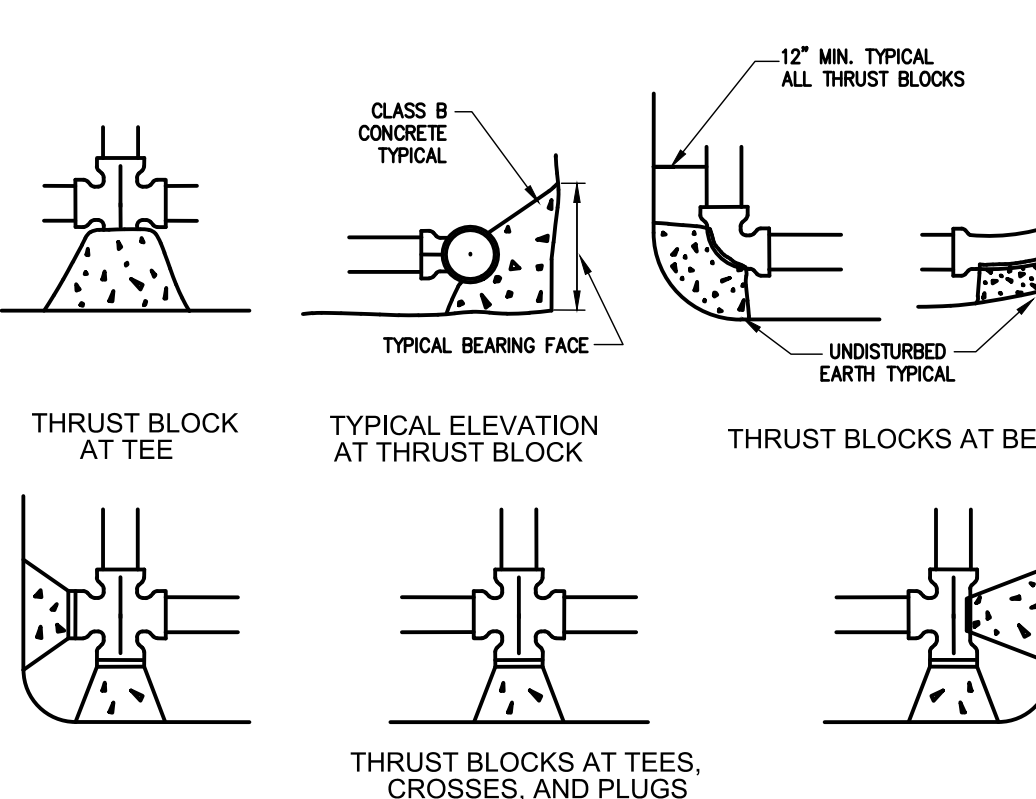
WATER PIPE TRENCH  
N.T.S.



TYPICAL WATER SERVICE BUILDING ENTRY  
N.T.S.

AREA OF BEARING FACE OF CONCRETE THRUST BLOCK IN SQ. FT. BLOCKS TO BE POURED AGAINST UNDISTURBED EARTH						
PIPE SIZE	90 BEND	45 BEND	22.5 BEND	11.25 BEND	TEE OR PLUG	
4", 6"	6	4	3	3	9	
8"	12	6	3	3	16	
10"	18	12	6	3	24	
12"	24	16	8	4	34	
14"	30	20	10	5	44	
16"	36	24	12	6	52	
18"	42	28	14	7	60	
20"	48	32	16	8	68	

AREAS BASED ON AN INTERNAL PRESSURE OF 200 PSIG AND A SOIL BEARING PRESSURE OF 2000 PSF.



HORIZONTAL BEND ANCHOR  
N.T.S.

DISINFECTION PROCEDURE

DISINFECTION: MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS FOR DISINFECTING WATER MAINS, C-651-92, WITH THE EXCEPTION OF SECTION 5.1, TABLE METHOD. WATER CONTAINING NOT MORE THAN 50 PARTS PER MILLION OF FREE AVAILABLE CHLORINE SHALL BE ALLOWED TO STAND IN ALL LINES AND SYSTEMS FOR AT LEAST 24 HOURS. AFTER WHICH TIME THERE SHALL BE AT LEAST 25 PARTS PER MILLION RESIDUAL CHLORINE REMAINING IN THE WATER. ALL NEW VALVES AND HYDRANTS SHALL BE OPERATED WHILE THE LINES ARE FILLED WITH HEAVILY CHLORINATED WATER. FOLLOWING CHLORINATION TO THE SATISFACTION OF THE CITY, ALL DISINFECTING WATER SHALL BE FLUSHED FROM THE LINES UNTIL THE CHLORINE RESIDUAL DOES NOT EXCEED 1.0 PART PER MILLION. THE CHLORINE SOLUTION SHALL BE DISPOSED OF IN A MANNER THAT WILL IN NO DETRIMENTAL WAY AFFECT FISH, PLANT, OR ANIMAL LIFE. IF DISCHARGED TO LOCAL STREAMS, THE WATER SHALL NOT HAVE A CHLORINE RESIDUAL EXCEEDING 0.05 MG/L AT POINT OF DISCHARGE. WHEN ALL LINES HAVE BEEN FLUSHED CLEAN TO SATISFACTION, THE OWNER OR HIS REPRESENTATIVE SHALL COLLECT SAMPLES OF THE WATER AT LOCATIONS DIRECTED BY THE CITY AND UNDER HIS SUPERVISION. THE SAMPLES SHALL BE SENT TO AN APPROVED TESTING LABORATORY FOR BACTERIA ANALYSIS AND TWO (2) COPIES OF THE TEST RESULTS SHALL BE SENT TO THE CITY. THE OWNER SHALL BEAR ALL COSTS FOR SUCH SAMPLING AND TESTING.

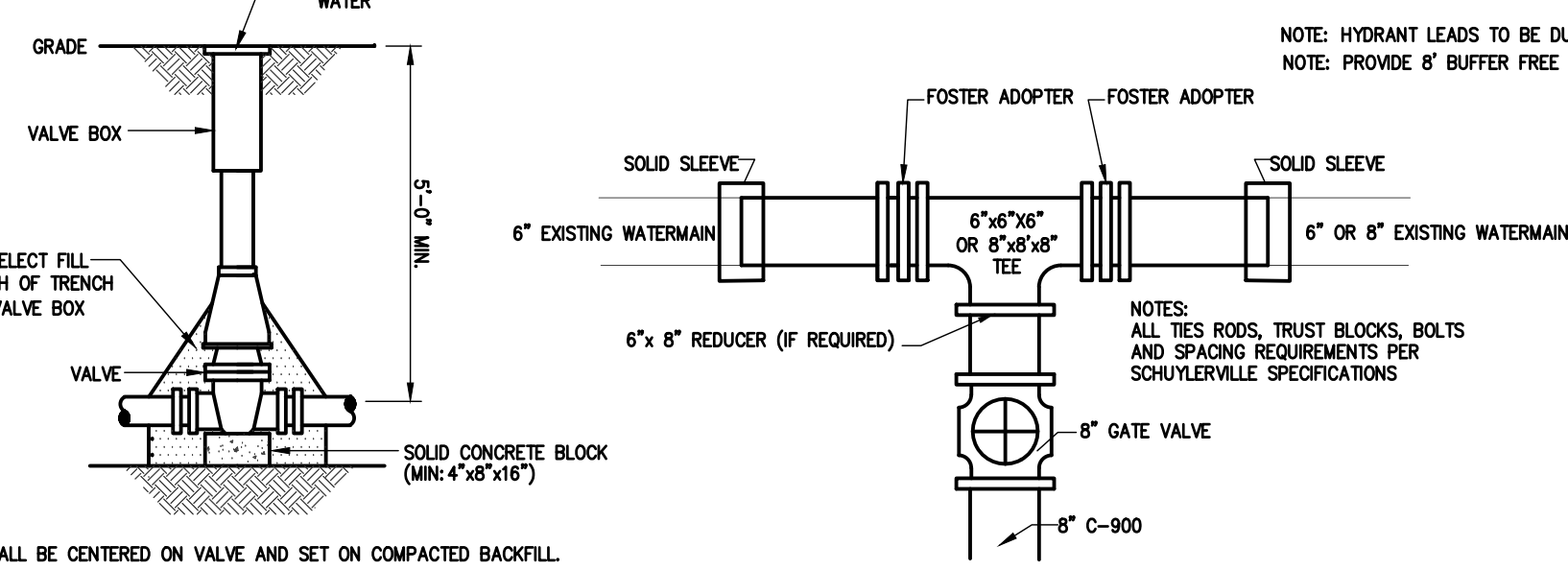
PRESSURE TESTING

A. For the pressure test, the system shall be pressurized and maintained at a minimum of 150 pounds per square inch, or 1.5 times the working pressure, whichever is greater, based on the elevation of the lowest point in the section under test and corrected to the elevation of the gauge. Provisions shall be made to relieve air trapped at high points in the system through adjacent hydrants or through taps and corporation stops installed for this purpose by the Contractor. After this pressure has been maintained successfully, with further pumping as required, for a period of at least two hours, the section under test shall be considered to have passed the pressure test.

B. The leakage test shall be performed concurrently using a minimum test pressure of 150 pounds per square inch, or 1.5 times the working pressure, whichever is greater, based on the elevation of the lowest point in the section under test and corrected to the elevation of the gauge. The leakage test duration shall be a minimum of two hours after the leakage rate has stabilized.

FLUSHING

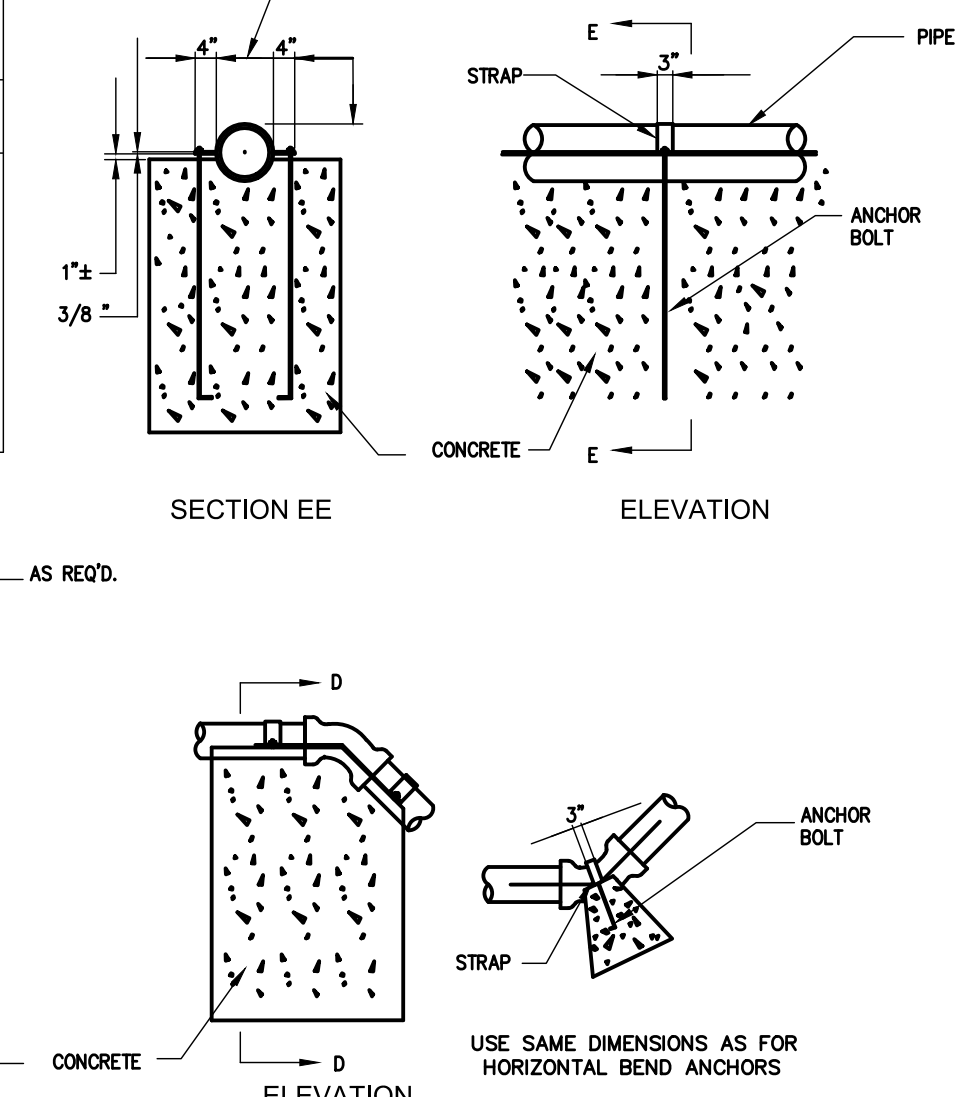
C. The maximum allowable leakage shall be compliance with City standards. At the conclusion of the work, the Contractor shall thoroughly clean all new pipes by flushing with water or other means to remove all dirt, stones, pieces of wood, etc., which may have entered during the construction period. If, after this cleaning, any obstruction still remains, they shall be removed to the satisfaction of the Engineer/Architect. Pipes shall be flushed at a rate of 2.5 feet per second flushing velocity.



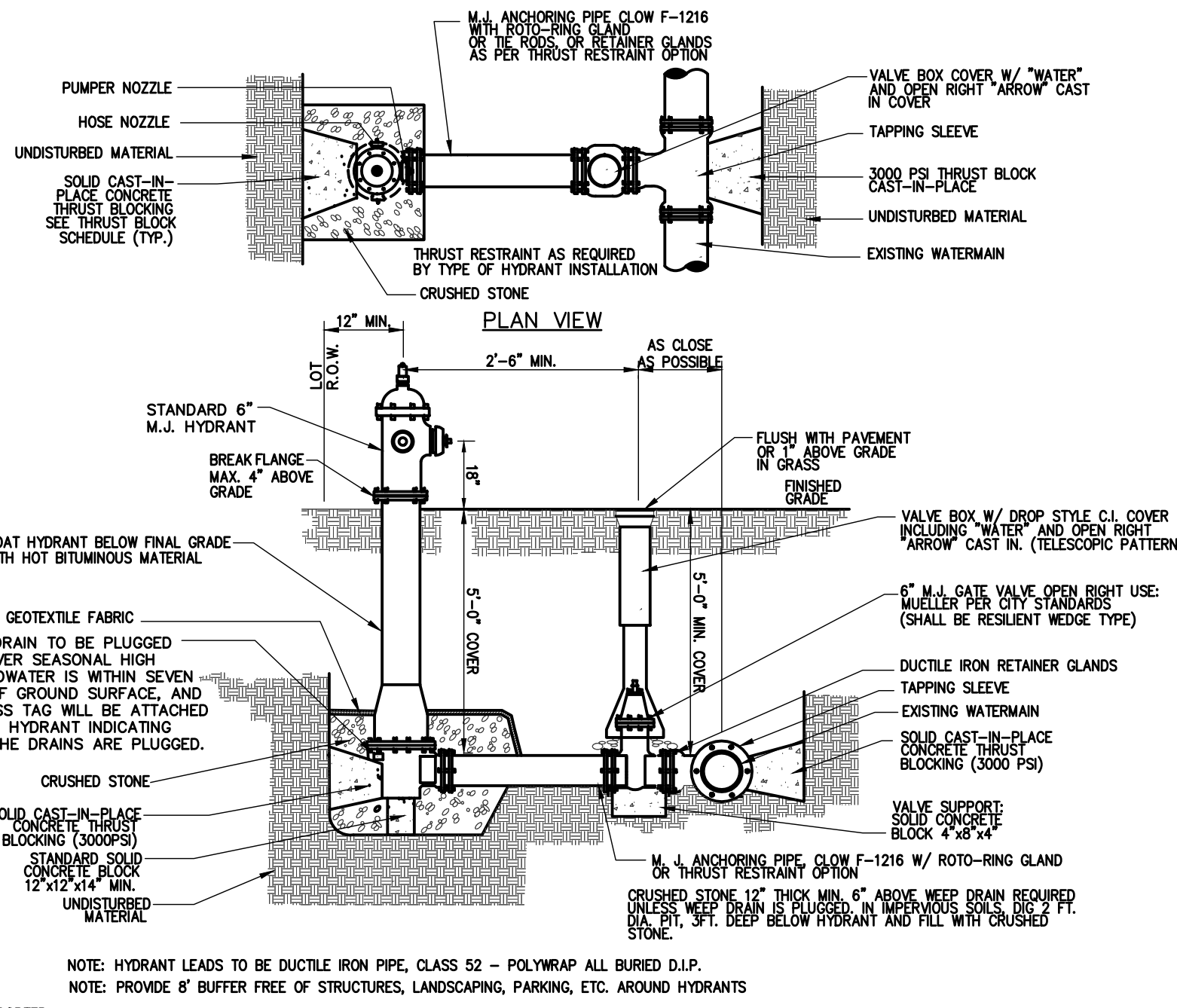
NOTE: 1. VALVE BOX SHALL BE CENTERED ON VALVE AND SET ON COMPACTED BACKFILL.  
2. VALVE SHALL NOT SUPPORT VALVE BOX.

VALVE  
N.T.S.

ANCHOR SCHEDULE FOR VERTICAL BENDS	
NOM. PIPE DIA.	STRAP SIZE
4"	NO. 3 DIA. BAR
6"	NO. 4 DIA. BAR
8"	NO. 5 DIA. BAR
10"	NO. 6 DIA. BAR
12"	NO. 7 DIA. BAR
14"	NO. 8 DIA. BAR
16"	NO. 9 DIA. BAR
18"	NO. 10 DIA. BAR
20"	NO. 11 DIA. BAR
24"	NO. 14 DIA. BAR



VERTICAL BEND ANCHOR AND THRUST BLOCK  
N.T.S.

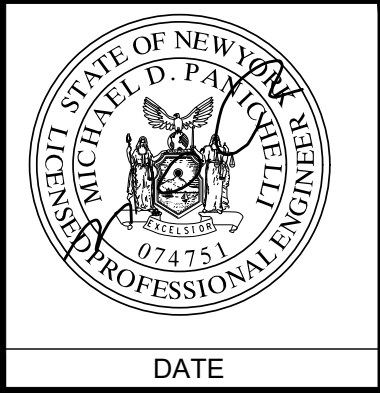


HYDRANT INSTALLATION  
N.T.S.

PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE

PROJ. MANAGER: JWE  
CHIEF DESIGNER: JWE  
DESIGNED BY: JWE  
DRAWN BY: APY  
CHECKED BY: JWE



DATE

DATE

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.

Engineering and  
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1533 Crescent Road - Clifton Park, NY 12065

REGAN DEVELOPMENT

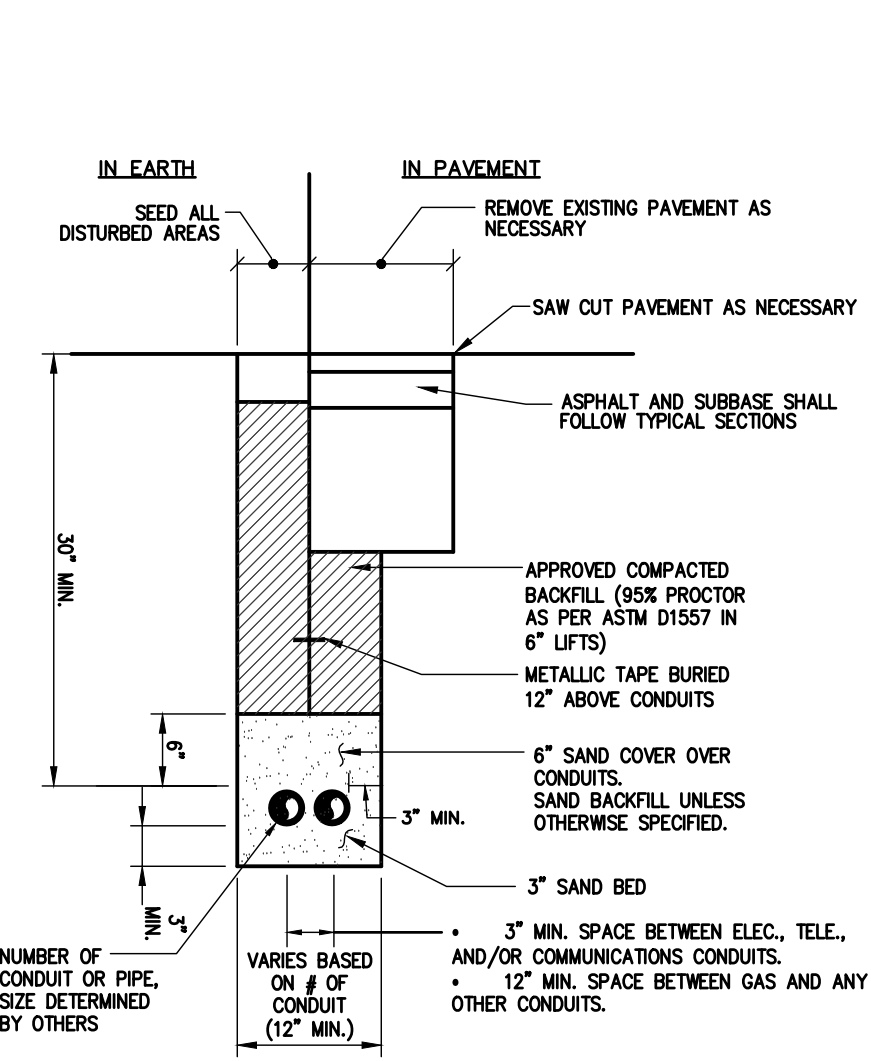
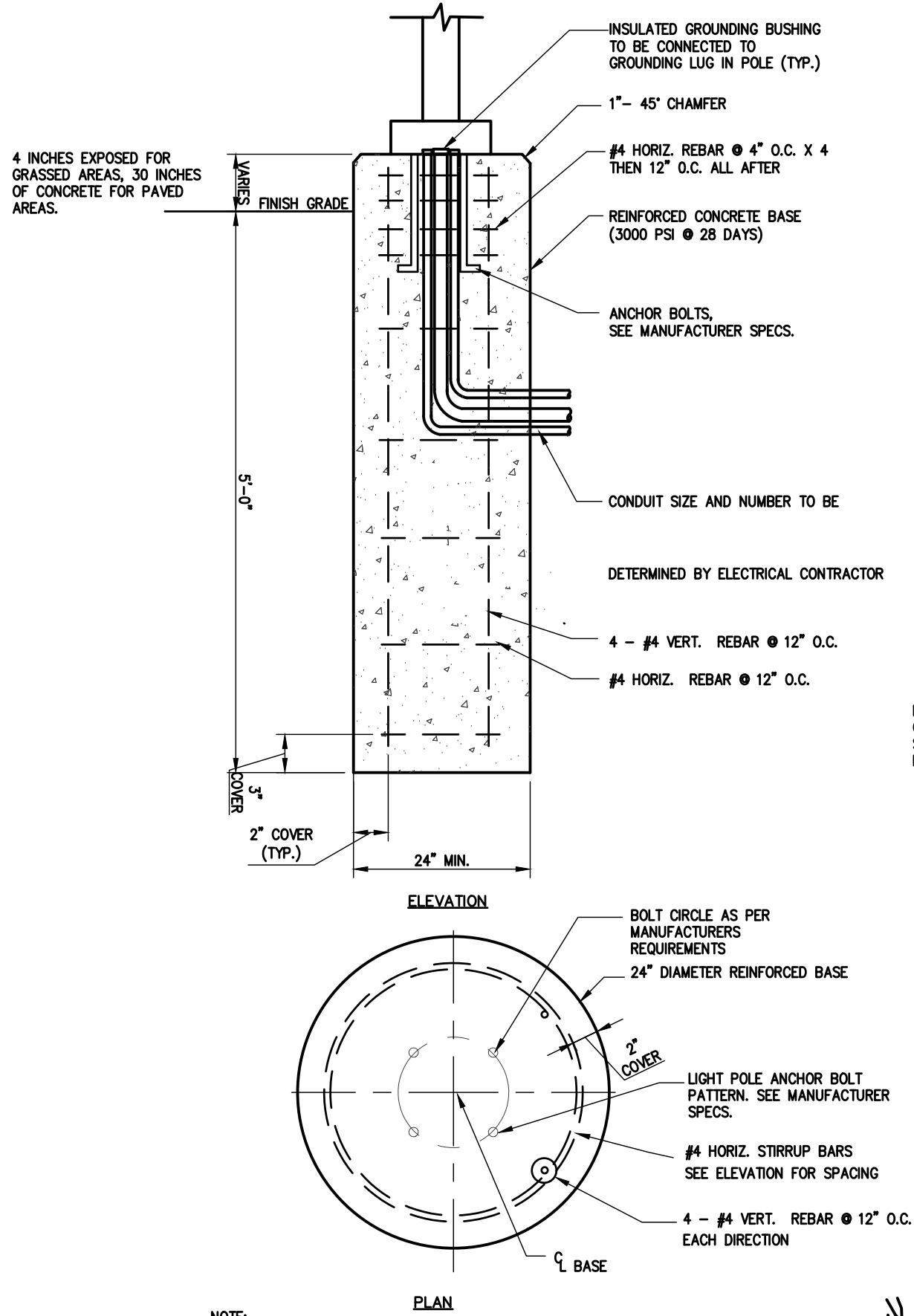
**SITE DETAILS**

42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: N.T.S.  
CONTRACT NO.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

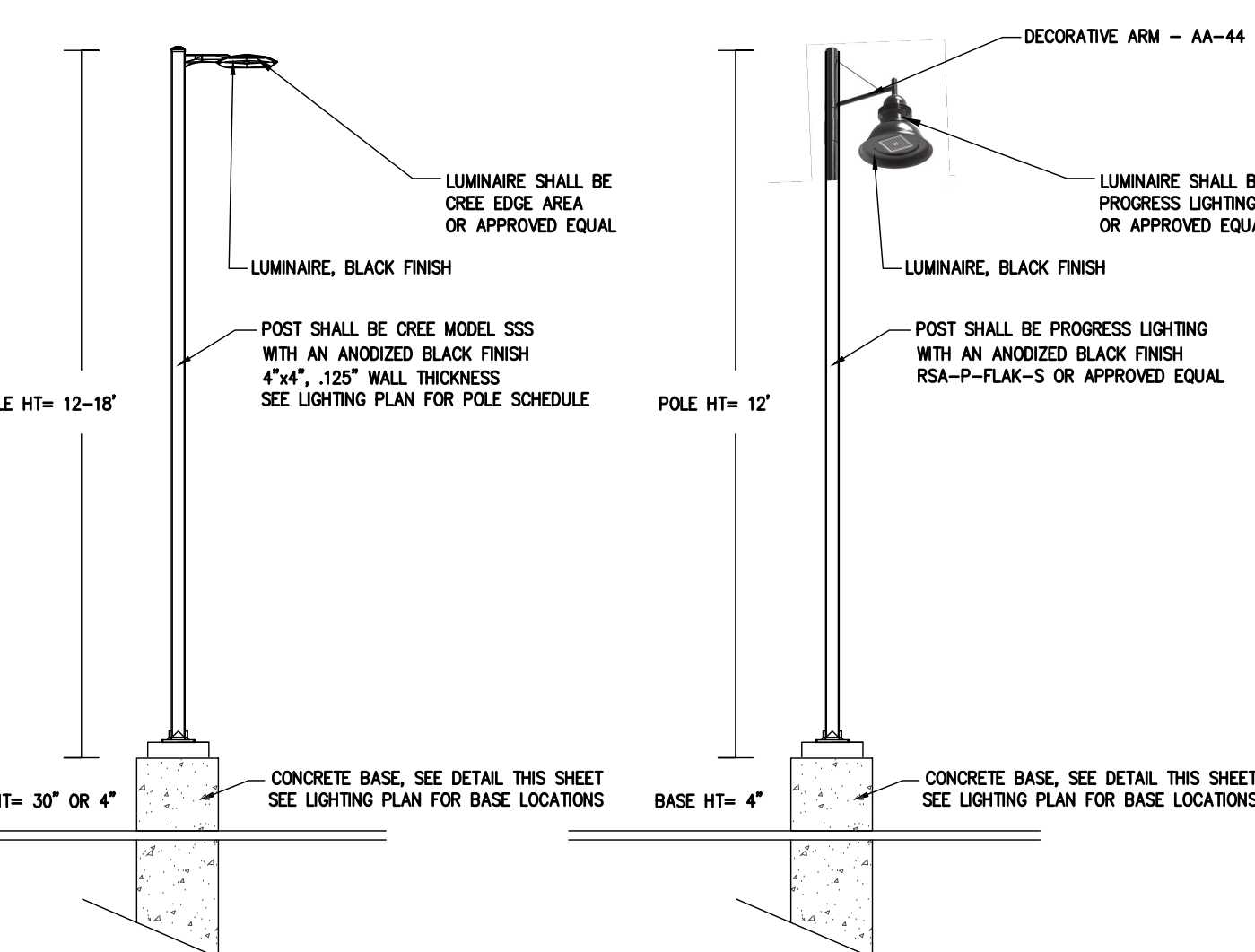
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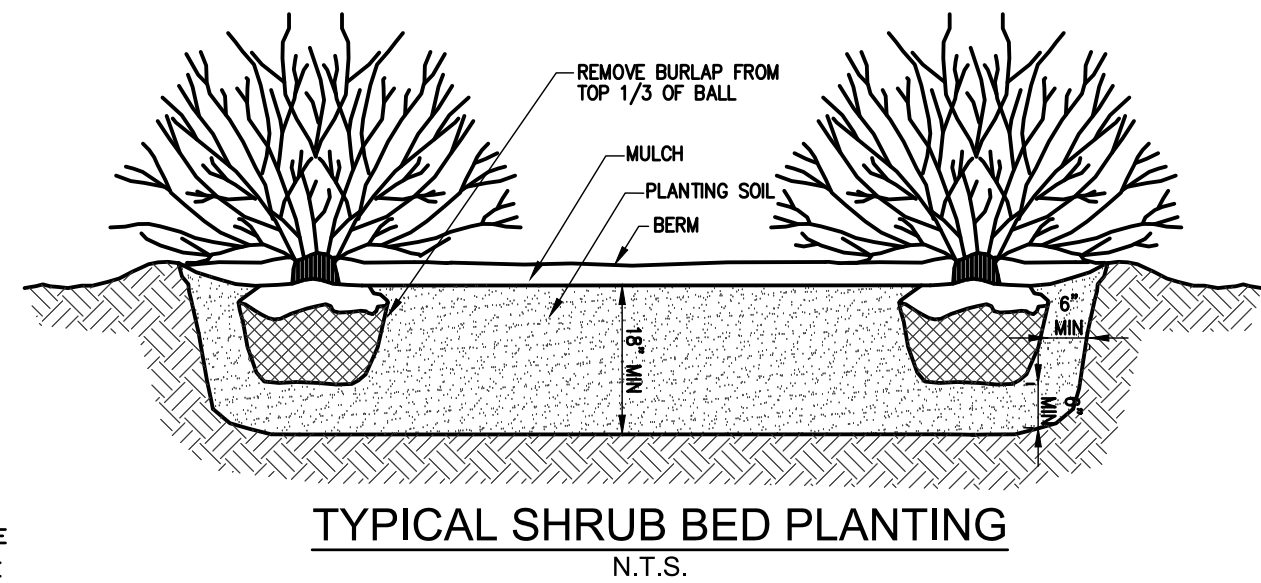


**TRENCH REQUIREMENTS:**  
1. ELECTRIC ONLY: 30" MIN. COVER  
2. TELEPHONE AND/OR COMMUNICATIONS ONLY: 30" MIN. COVER  
3. GAS ONLY: 30" MIN. COVER  
4. GAS AND OTHER: 30" MIN. COVER GAS  
42" MIN. COVER OTHER  
NOTES:  
1. COORD. COMPLETE INSTALLATION WITH NAT. GRID PRIOR TO STARTING WORK.

**UTILITY SERVICE TRENCH**  
N.T.S.

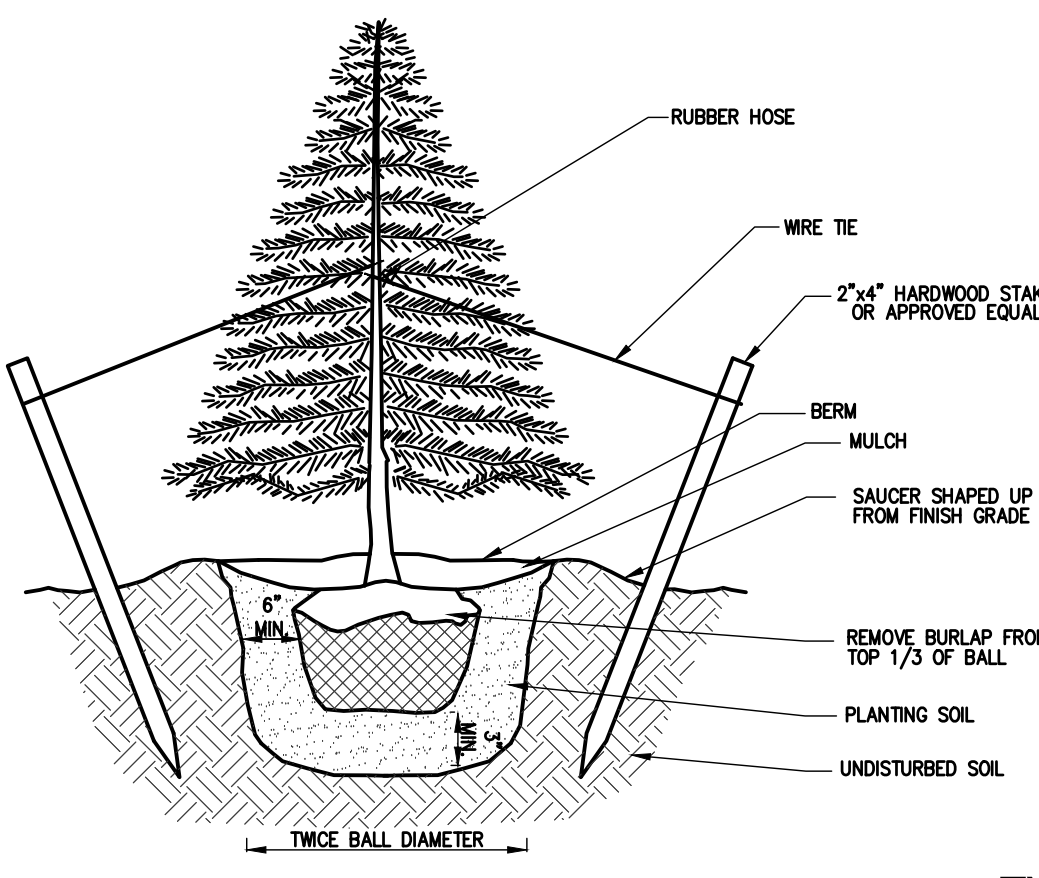


**LIGHT FIXTURE**  
N.T.S.  
**STREET LIGHT FIXTURE**  
N.T.S.

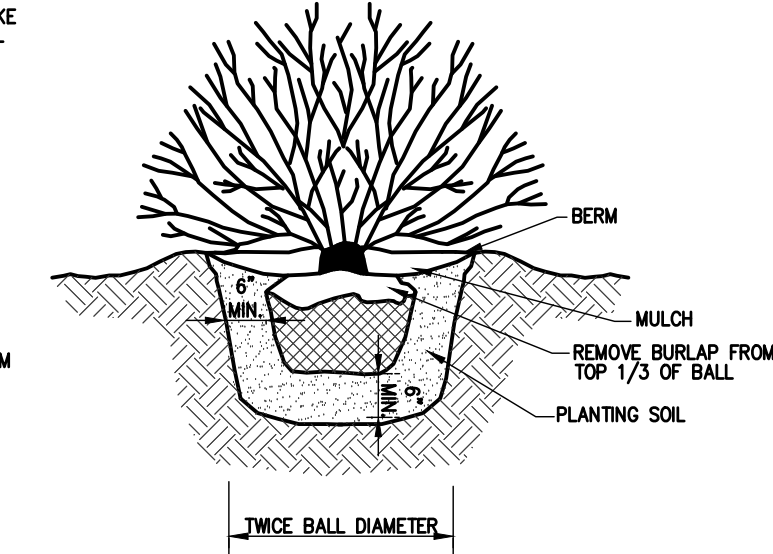


**TYPICAL SHRUB BED PLANTING**  
N.T.S.

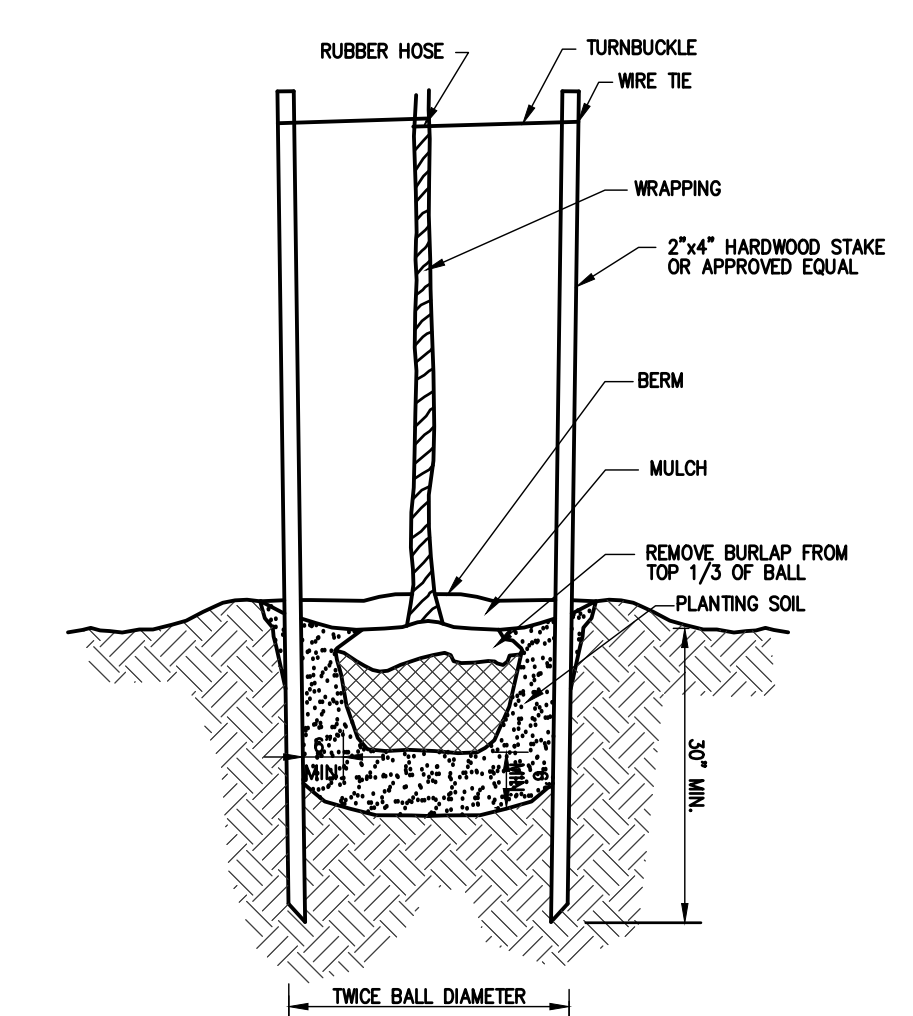
**LANDSCAPING NOTES**  
LANDSCAPE AND IRRIGATION DESIGN PLANS ARE REQUIRED ON ALL PROJECTS. IF LANDSCAPING IS NOT REQUIRED CONTRACTOR SHALL PROVIDE SITE FINE GRADED W/ HYDROSEEDING OR SOD IN ALL DISTURBED AREAS OUTSIDE OF PARKING FIELD. IN PARKING FIELD ISLANDS, IF ALLOWED USE WEED BARRIER & MULCH ONLY. ALL MULCHED AREAS TO RECEIVE WEED BARRIER. WHERE SEEDING WARRANTY DOES NOT PERMIT HYDROSEED ALONE, PROVIDE STRAW AND BIODEGRADABLE NETTING OVER HYDROSEED. ANY LANDSCAPE IN EXCESS OF 50 PLANTINGS TO RECEIVE IRRIGATION AS NEEDED REGARDLESS OF GEOGRAPHIC LOCATION. IRRIGATION HEADS TO BE A MINIMUM OF 3' FROM EDGE OF CURB LINE.



**TYPICAL CONIFER PLANTING**  
N.T.S.

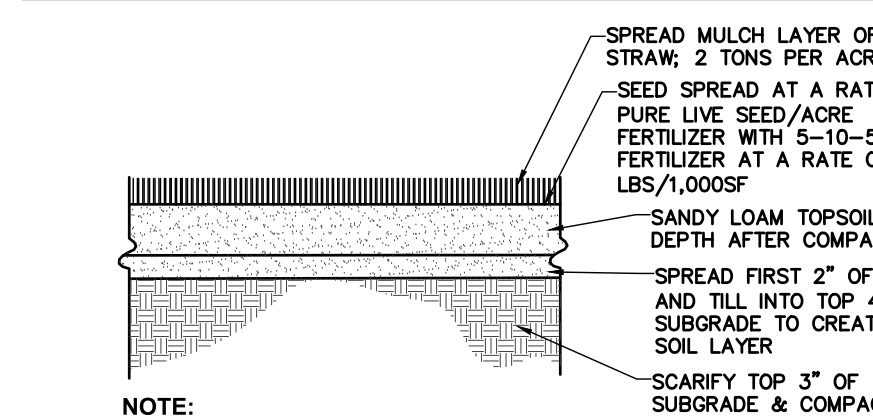


**TYPICAL SINGLE SHRUB PLANTING**  
N.T.S.



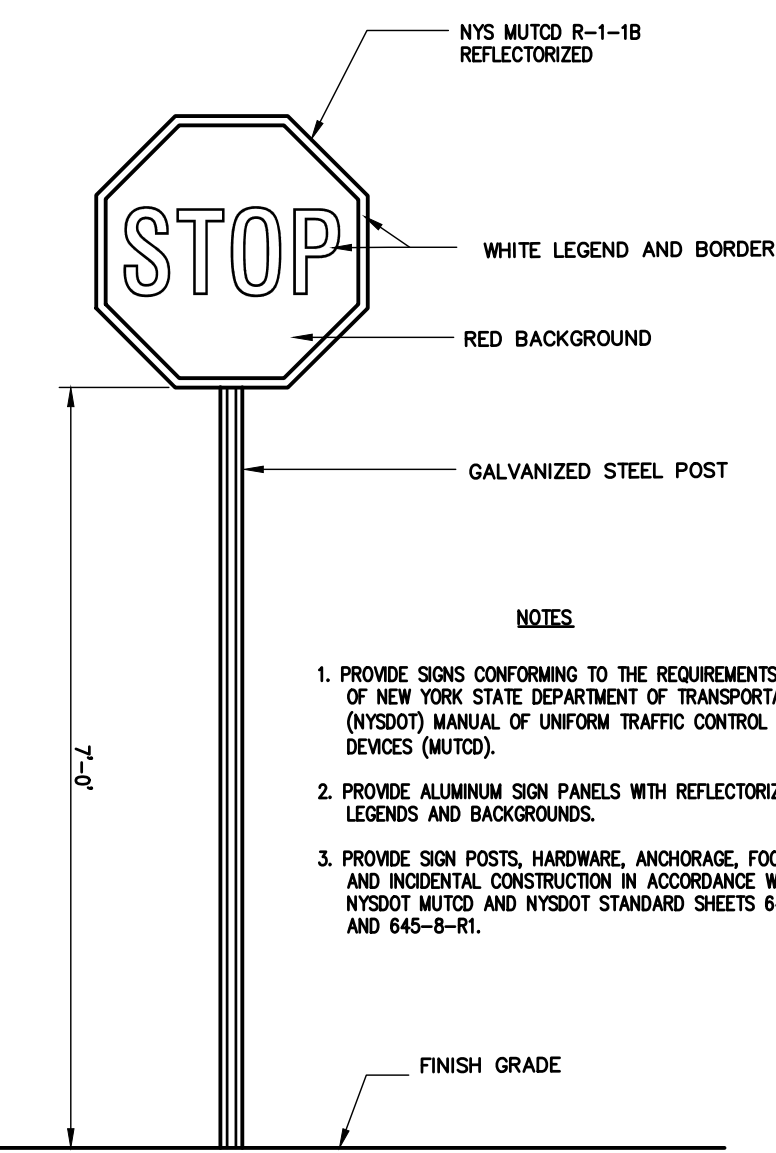
**TYPICAL DECIDUOUS TREE PLANTING**  
N.T.S.

EROSION SEED MIX FOR MEDIUM SOILS BY PRAIRIE NURSERY SEED MIX									
		PLS Gauge/ Prairie Seed per 1 Acre					Total Seeds		
	COMMON NAME	12 in	per sq. ft.	Seeds/ lb	% of Mix	% Seeds of			
<b>FORBS</b>									
Agrimonia eupatoria	Lavender Hyssop	16	65,000	0.84	0.29%	1.82%			
Aster multiflorus	New England Aster	16	70,000	0.91	0.30%	1.96%			
Cirsium altissimum	Pink Indian Plantain	32	6,500	0.17	0.05%	0.36%			
Coreopsis lanceolata	Lance Coreopsis	72	12,500	0.73	1.23%	1.58%			
Echinacea purpurea	Pink Purple Coneflower	120	5,000	0.49	0.20%	1.05%			
Echinacea purpurea	Purple Coneflower	108	6,600	0.58	1.08%	1.25%			
Helianthus laetiflorus	Shower Sunflower	16	4,600	0.06	0.20%	0.13%			
Helianthus laetiflorus	Ox Eye Sunflower	80	6,500	0.42	1.47%	0.91%			
Mimulus lewisii	Be-gone!	16	70,000	1.01	0.20%	2.10%			
Penstemon digitalis	Smooth Penstemon	16	100,000	1.30	0.29%	2.81%			
Rudbeckia hirta	Yellow Coreopsis	72	27,000	1.57	1.23%	3.41%			
Rudbeckia hirta	Black Eye Blue Sun	80	100,000	6.48	1.47%	14.04%			
Rudbeckia hirta	Sweet Black Eye Sun	16	40,000	0.60	0.29%	1.29%			
Rudbeckia hirta	Brown Eyed Sun	16	33,000	0.43	0.20%	0.93%			
Silphium laciniatum	Compassplant	32	650	0.02	0.61%	0.04%			
Solidago rigida	Stiff Goldenrod	16	40,000	0.60	0.20%	1.20%			
Veronica hastata	Blue Vervain	16	100,000	1.30	0.29%	2.81%			
<b>TOTAL FORBS</b>		741		17.48	13.61%	37.87%			
<b>LEGUMES</b>									
Regina lucida	Blue False Indigo	60	1,600	0.08	1.10%	0.17%			
Regina lucida	White False Indigo	60	1,600	0.08	1.10%	0.17%			
Cassia leucostachya	Partridge Pea	288	3,800	0.87	5.23%	1.80%			
Cassia leucostachya	Wild Sesame	80	1,400	0.09	1.47%	0.20%			
Dalea purpurea	Purple Prairie Clover	96	20,000	1.95	1.76%	3.37%			
Desmodium canadense	Canada Tick Trefoil	40	4,500	0.15	0.73%	0.52%			
<b>TOTAL LEGUMES</b>		620		2.82	11.39%	6.11%			
<b>TOTAL FORBS &amp; LEGUMES</b>		1361		20.30	25.00%	43.99%			
		1,600							
<b>GRASSES</b>									
Andropogon gerardii	Big Bluestem	454	8,200	3.01	8.34%	6.53%			
Bouteloua curtipendula	Side Oats Grass	860	8,000	5.57	15.79%	12.07%			
Elymus canadensis	Canada Wild Rye	890	4,200	3.03	16.35%	6.50%			
Panicum virgatum	Switchgrass	160	18,000	2.53	2.94%	5.05%			
Schizanthus corymbosus	Little Bluestem	860	8,000	6.12	15.79%	12.07%			
Sorghastrum nutans	Indiangrass	860	8,200	5.78	15.79%	12.52%			
<b>TOTAL GRASSES</b>		4984		28.80	75.00%	56.01%			
		1,600							
<b>TOTAL PRAIRIE SEED</b>		5445		46.15	100.00%				
<b>ANNUAL RYE NURSE CROP</b>		22.40		46.28					
		1,600							
<b>TOTAL SEED</b>		5981		92.44					
		1,600		lb/Acre					

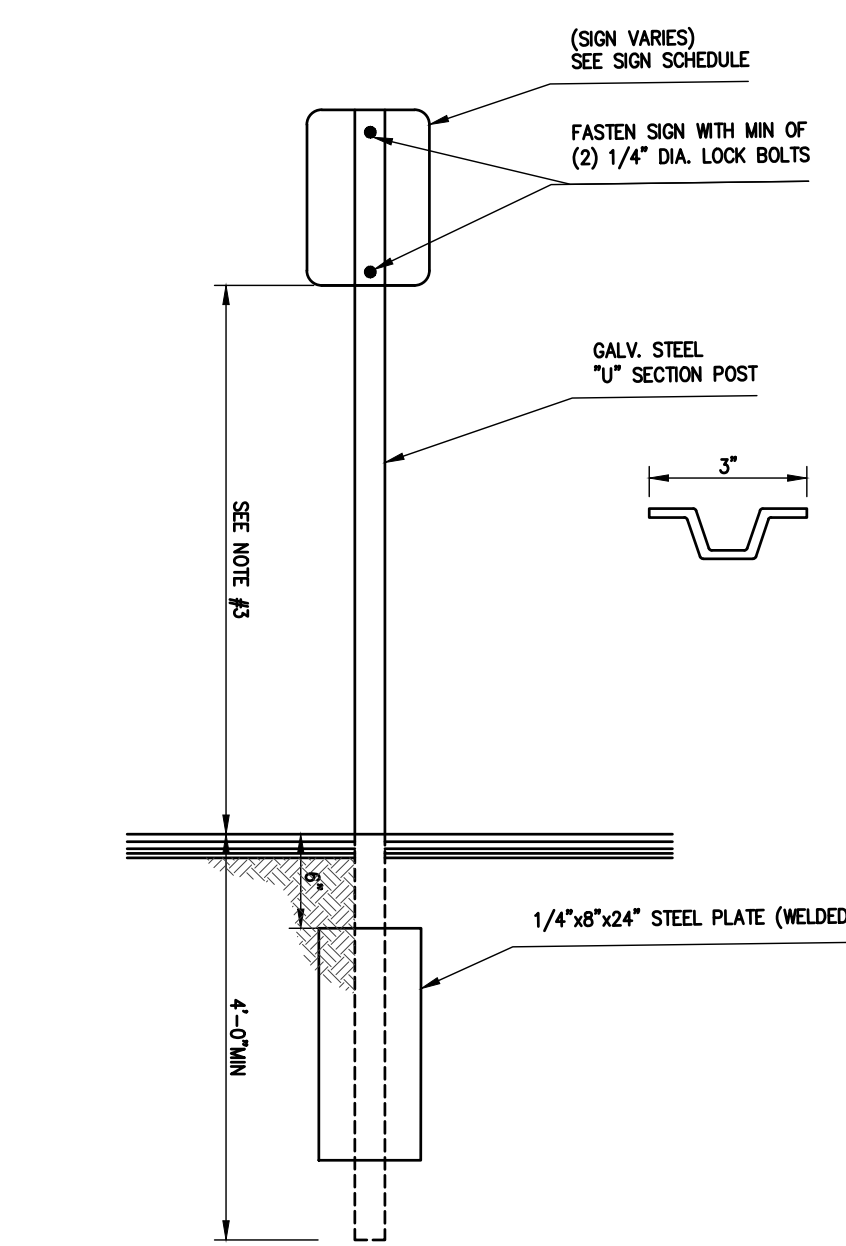


**NOTE:**  
1. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND WATERING OF GRASS UNTIL FINAL ACCEPTANCE.

**TOPSOIL, FERTILIZER, & SEED**  
N.T.S.



**STOP SIGN DETAIL**  
N.T.S.

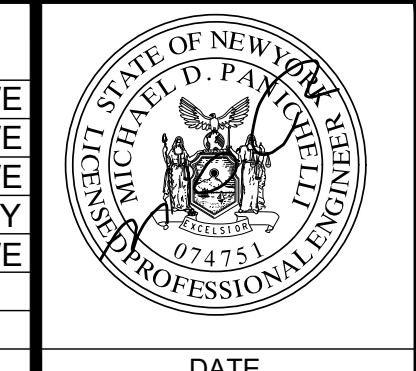


**TYPICAL SINGLE POST MOUNTING**  
N.T.S.

PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY: DATE

PROJ. MANAGER: JWE  
CHIEF DESIGNER: JWE  
DESIGNED BY: JWE  
DRAWN BY: APY  
CHECKED BY: JWE



DATE DATE

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



**Engineering and  
Land Surveying, P.C.**  
1533 Crescent Road - Clifton Park, NY 12065

REGAN DEVELOPMENT

**SITE DETAILS**

42 GATES AVE  
VILLAGE OF VICTORY NEW YORK

SCALE: N.T.S.  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

**D-7**



GENERAL REQUIREMENTS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION AND SEDIMENT CONTROL TO PROTECT SURROUNDING WATER BODIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO ENSURE PROPER FUNCTIONING OF SAID FACILITIES (DURING CONSTRUCTION).

AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR ENSURING THAT ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.

ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN FOURTEEN (14) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.

PERMANENT VEGETATION TO BE SEED OR SODDED ON ALL EXPOSED AREAS WITHIN FIVE (5) DAYS AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE SEED BED PRIOR TO PERMANENT SEEDING.

EROSION & SEDIMENT POLLUTION CONTROL GUIDELINES (SWPPP)

EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES AND PRACTICES, UTILIZED IN THE CONSTRUCTION OF THE PROJECT, SHALL BE CONSISTENT WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (NOVEMBER 2016).

NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED, AS FEASIBLE PRIOR TO AND DURING CONSTRUCTION.

CUT AND FILL SLOPES SHALL BE BROUGHT TO FINAL PROPOSED GRADES AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCES, AND SEEDED AND MULCHED IMMEDIATELY.

EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES (STRAW BALES, FILTER FABRIC FENCING, STABILIZED CONSTRUCTION ENTRANCES, SILTATION BASINS, AND OTHER ACCEPTABLE FACILITIES) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL COMPLETE SITE STABILIZATION.

HEAVY CONSTRUCTION EQUIPMENT SHALL BE KEPT AS CLOSE TO THE AREA AS PRACTICAL TO MINIMIZE DISTURBANCE OF SOIL ALREADY STABILIZED OR UNDISTURBED.

TOPSOIL AND OTHER SOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN A SUITABLE LOCATION CLEAR FROM ANY STORMWATER DRAINAGE COURSES. STOCKPILES WHICH ARE INACTIVE FOR MORE THAN FOURTEEN (14) DAYS SHALL BE SEED.

VEGETATIVE STABILIZATION SHALL BE PERIODICALLY INSPECTED FOR SUFFICIENT GROWTH AND PROGRESS. AREAS NOT RESPONDING SHALL BE PROMPTLY RESEEDED AND REMULCHED AS SOON AS POSSIBLE. AREAS SHOWING SIGNS OF EROSION PRIOR TO STABILIZATION SHALL BE GRADED, RESEED, AND REMULCHED AS SOON AS POSSIBLE. SOD OR EROSION CONTROL FABRIC SHALL BE UTILIZED WHERE ADEQUATE STABILIZATION IS NOT OCCURRING.

ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE BEGINNING EARTH MOVING ACTIVITIES, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.

A STABILIZED CONSTRUCTION ENTRANCE PAD OF 1-1/2" TO 2" CLEAN STONE WILL BE PLACED AT ALL CONSTRUCTION DRIVEWAYS IMMEDIATELY AFTER SITE DISTURBANCE, (DIMENSIONS: LENGTH NOT LESS THAN 50 FT., EXCEPT ON SINGLE RESIDENCE LOT WHERE 30 FT. MINIMUM WOULD APPLY; WIDTH 24 FT. MIN., BUT NOT LESS THAN FULL WIDTH OF ENTRANCE OR EXIT DRIVES; DEPTH NOT LESS THAN 8 IN.) FILTER CLOTH IS REQUIRED PRIOR TO STONE PLACEMENT.

ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF 2.5-3.0 TONS PER ACRE, ACCORDING TO STATE STANDARDS.

PERMANENT VEGETATION TO BE SEED ON ALL EXPOSED AREAS WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

THE APPLICATION OF TOPSOIL, LIMING, FERTILIZING, SEEDING, AND MULCHING FOR DISTURBED AREAS SHALL BE CONSISTENT WITH THE STANDARD GENERAL PRACTICES FOR CONSTRUCTION.

IMMEDIATELY FOLLOWING INITIAL DISTURBANCES OF ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2.5-3.0 TONS PER ACRE.

ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E., SLOPES GREATER THAN 3:1).

AT THE TIME WHEN SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS TO BE ESTABLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.

IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL AREAS HAVE BEEN PERMANENTLY STABILIZED.

EROSION AND SEDIMENT CONTROL MEASURE TO BE REMOVED ONLY AFTER PERMANENT STABILIZATION IS COMPLETED AND THE VILLAGE OF VICTORY AND SWPPP MONITORING PROFESSIONAL HAS APPROVED THE WORK.

MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES

PROPER MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL FACILITIES ARE NECESSARY TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT POLLUTION FACILITIES.

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AT THE ENTRANCE OF EACH CONSTRUCTION INGRESS ONTO PUBLIC THOROUGHFARES AND STABILIZED ROADWAYS.

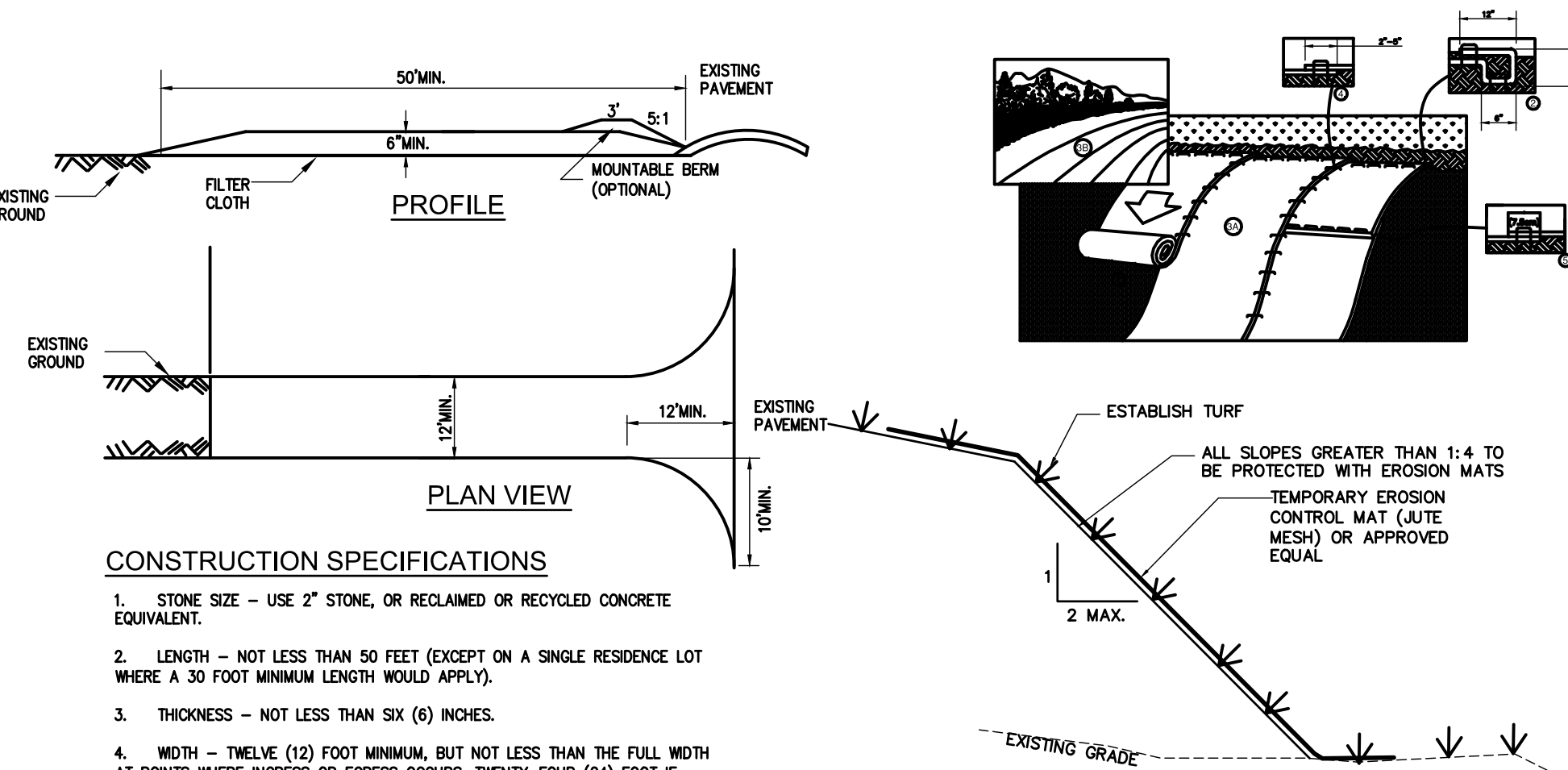
DISTURBED GROUND SURFACES SHALL BE SPRINKLED WITH WATER, AS NEEDED, TO LIMIT THE FORMATION AND MIGRATION OF AIRBORNE DUST.

OPERATIONAL MEASURES SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT THE SPILLS OF FUELS AND LUBRICANTS. IF A SPILL OCCURS, IT SHALL BE CONTROLLED IMMEDIATELY TO PREVENT ITS ENTRY INTO OFF-SITE AREAS INCLUDING ADJACENT STORM SEWER.

ANY TEMPORARY EROSION CONTROL FACILITY SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED WITHIN THE RESPECTIVE TRIBUTARY DRAINAGE AREA.

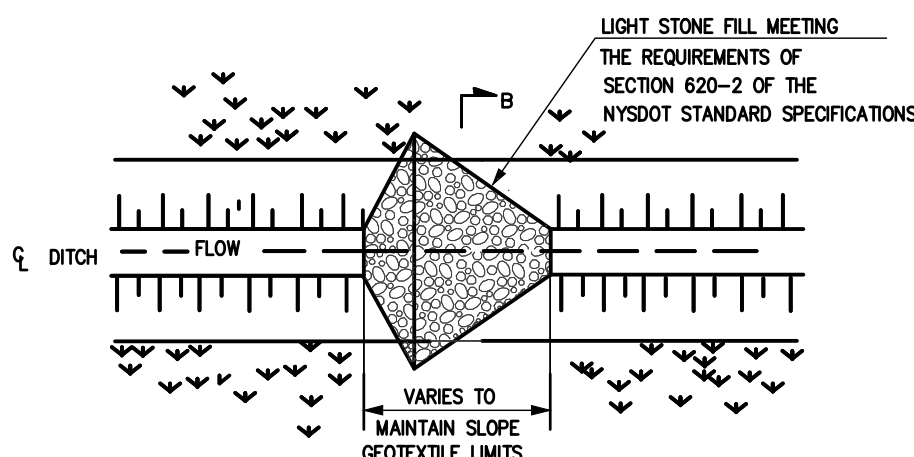
ANY DEBRIS ACCUMULATED IN EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE REMOVED AND PROPERLY DISPOSED. THESE FACILITIES SHALL BE CHECKED DAILY AND AFTER RAINFALL EVENTS, AND REALIGNED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES THE FOLLOWING DEPTHS:  
STRAW BALE BARRIERS - 6 INCHES  
SILT FENCING - 6 INCHES  
SILTATION BASIN - 9 INCHES

NOTE: DISTURBED AREAS SHALL BE CONSIDERED AS PERMANENTLY STABILIZED WHEN A MINIMUM COVER OF 80% HAS BEEN ESTABLISHED.



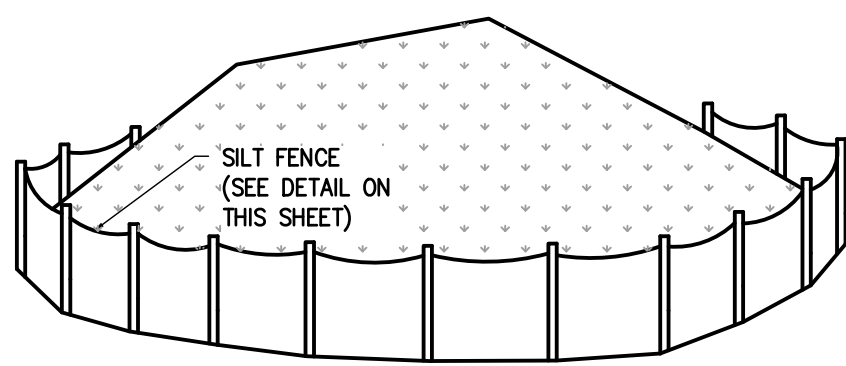
TEMPORARY EROSION CONTROL MAT

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CONSTRUCTION ENTRANCES

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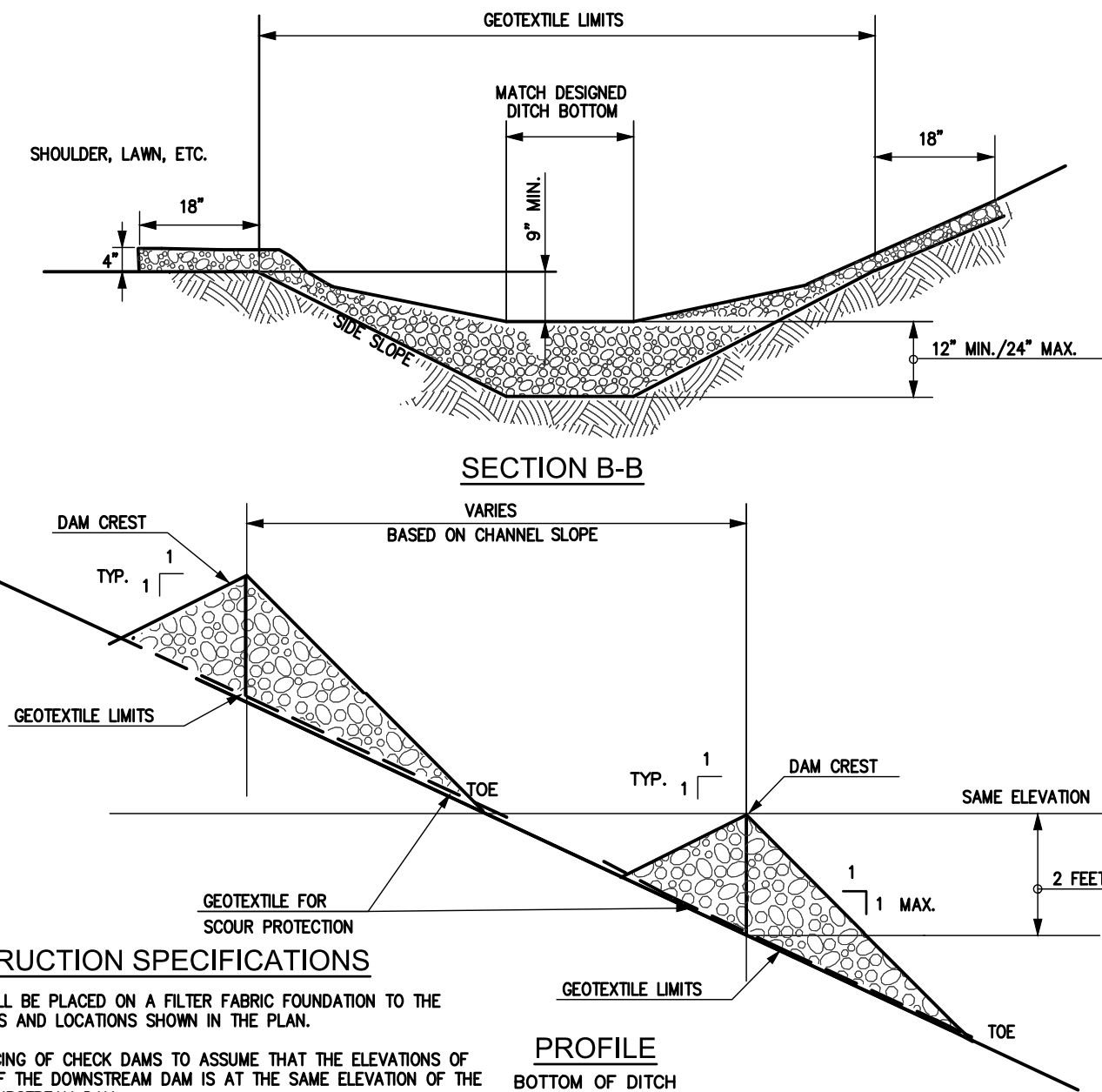


NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2 HORIZONTAL ON 1 VERTICAL.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAY BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

STOCKPILE STABILIZATION

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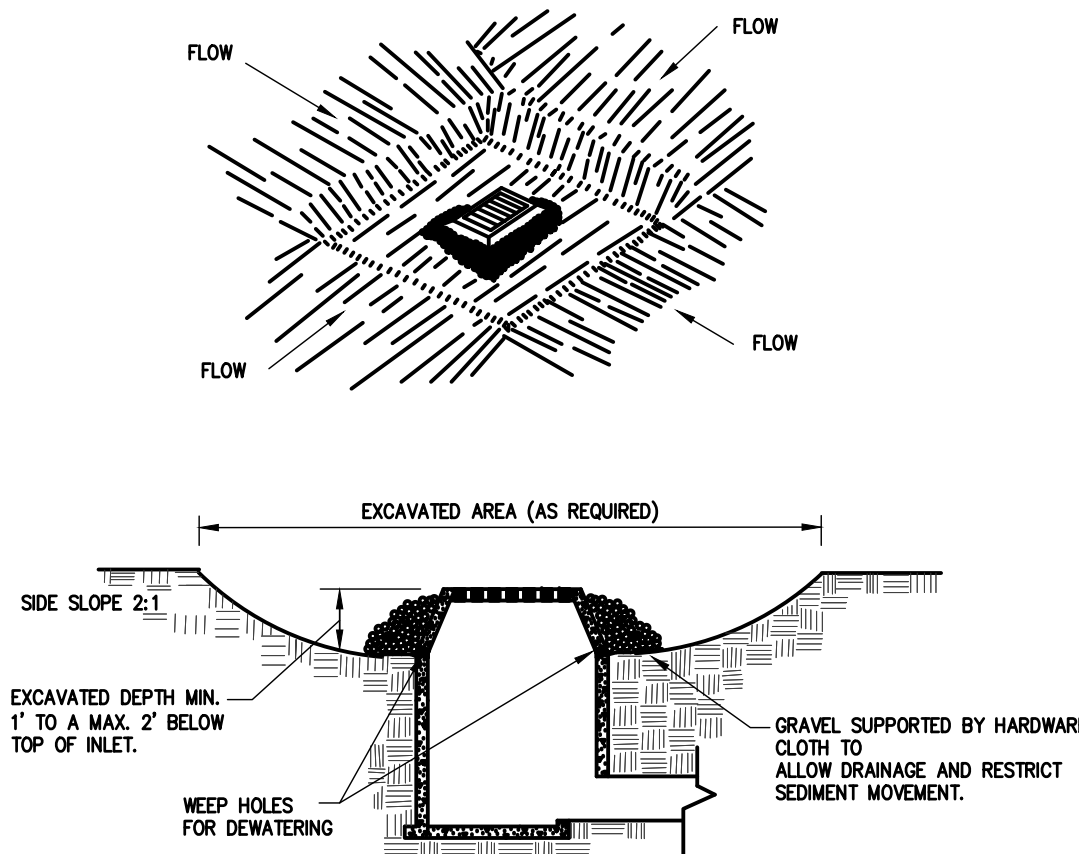
CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

STANDARD SYMBOL

STONE CHECK DAM FOR TEMPORARY EROSION CONTROL IN DITCHES

N.T.S.



CONSTRUCTION SPECIFICATIONS

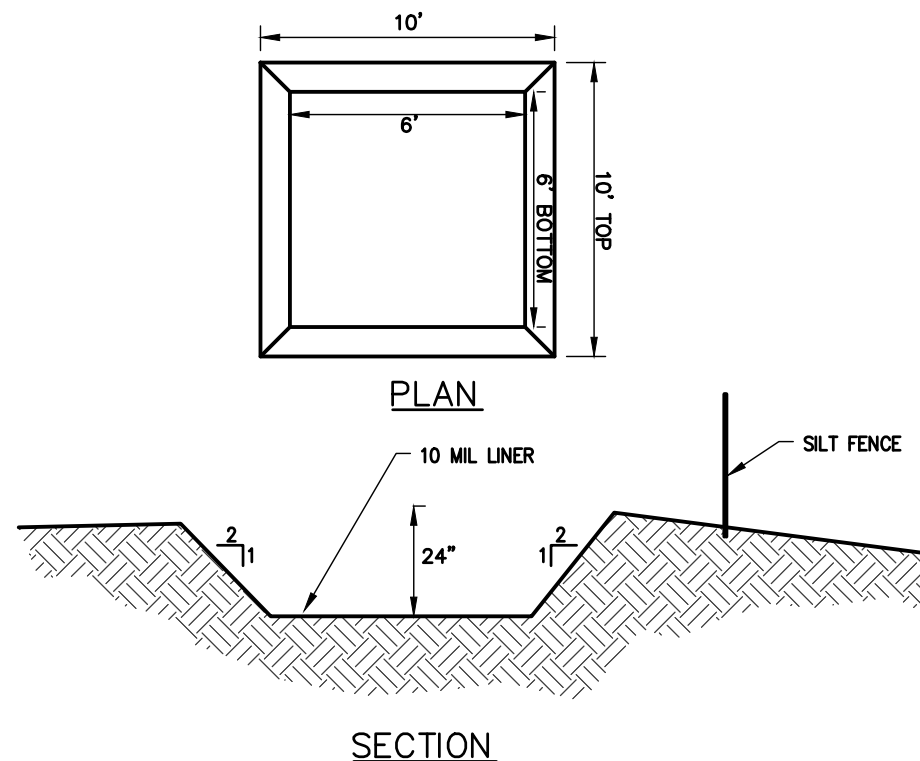
1. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

MAXIMUM DRAINAGE AREA 1 ACRE

STANDARD SYMBOL

EXCAVATED DROP INLET PROTECTION

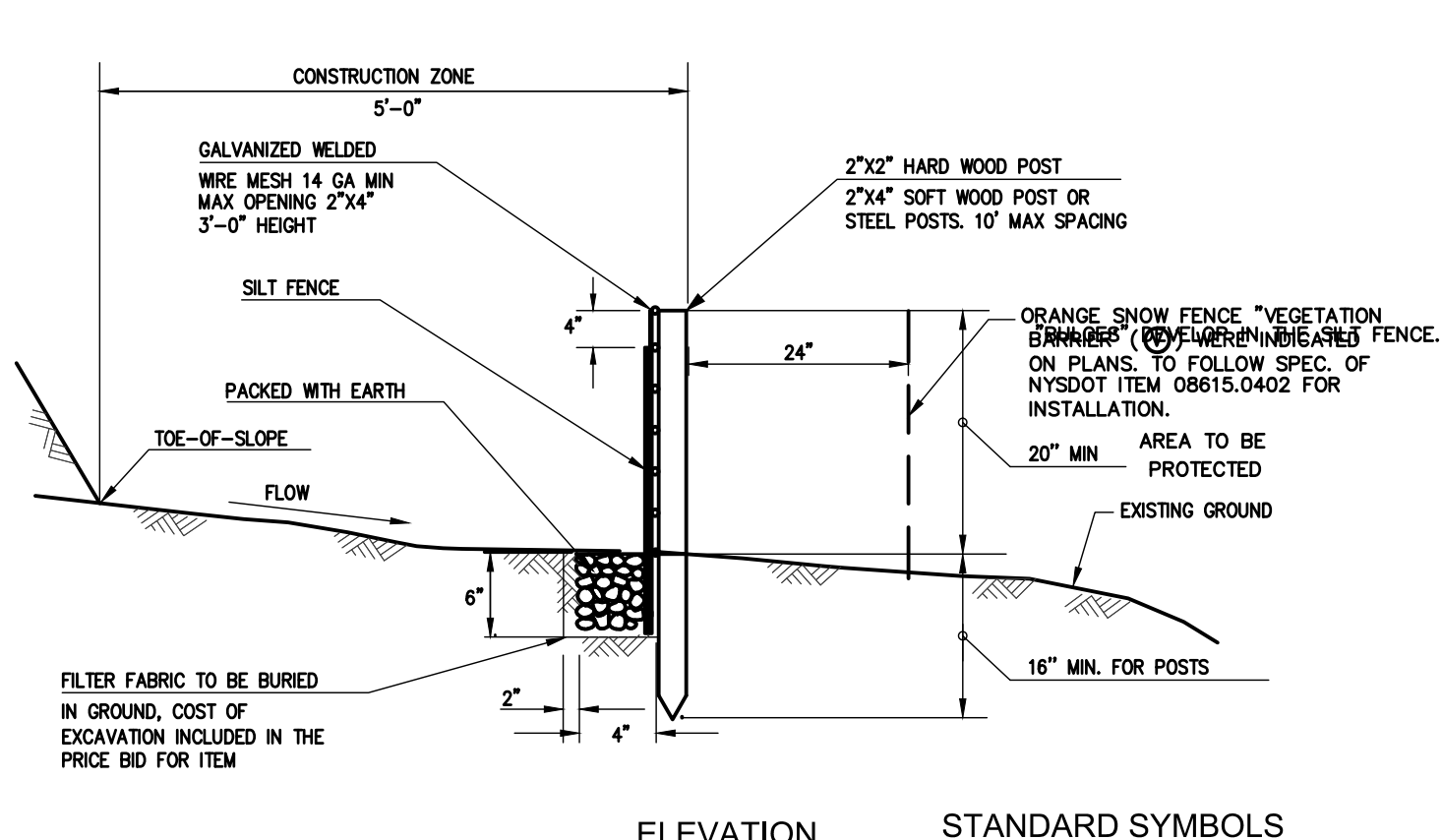
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SECTION

CONCRETE WASHOUT PIT

N.T.S.



ELEVATION

STANDARD SYMBOLS

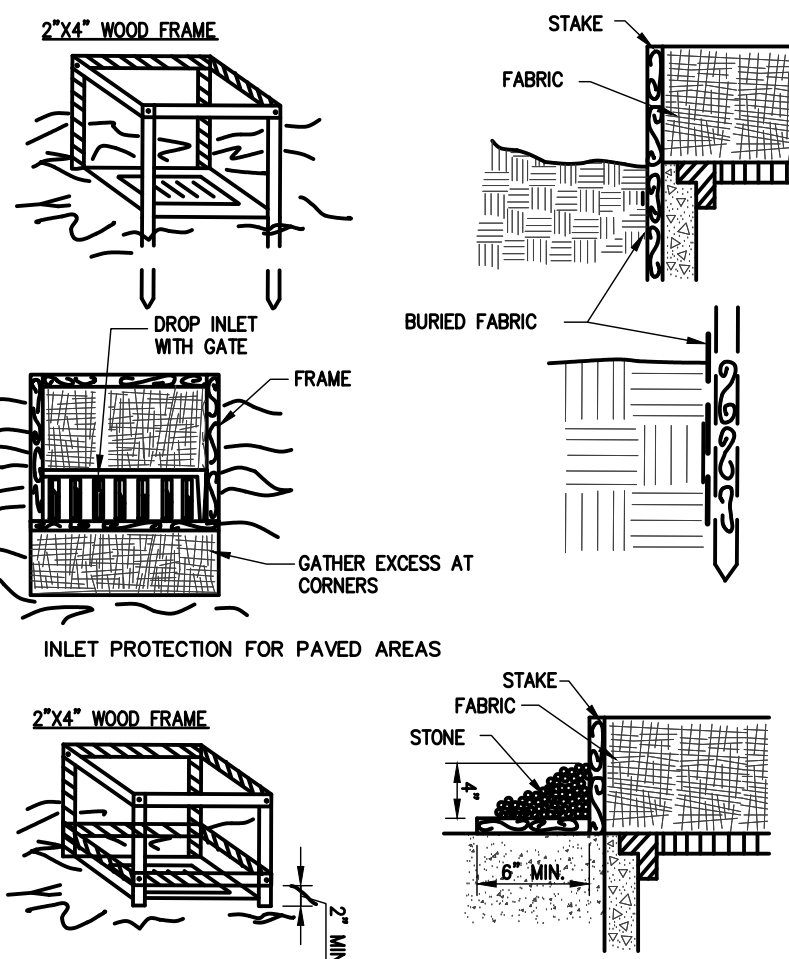
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SILT FENCE FOR TEMPORARY EROSION CONTROL

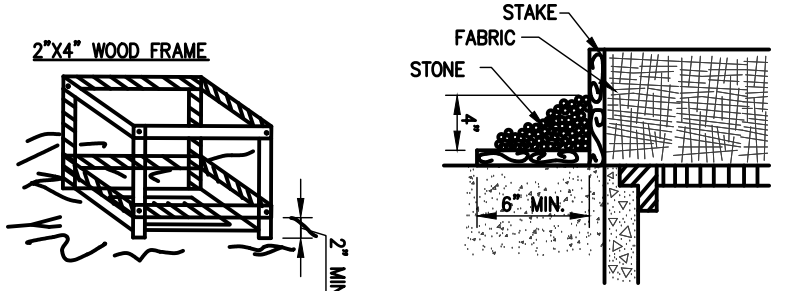
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 1" OR 1 1/2" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFL 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN

INLET PROTECTION FOR NON-PAVED AREAS



INLET PROTECTION FOR PAVED AREAS



FILTER FABRIC DROP INLET PROTECTION

N.T.S.

CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE

STANDARD SYMBOL

N.T.S.

PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

SUBMITTAL / REVISIONS

No.	DATE	DESCRIPTION	BY	REVIEWED BY:	DATE

PROJ. MANAGER: JWVE
CHIEF DESIGNER: JWVE
DESIGNED BY: JWVE
DRAWN BY: APY
CHECKED BY: JWVE



DATE
DATE

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REGAN DEVELOPMENT

SITE DETAILS

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SCALE: N.T.S.  
CONTRACT No.:  
MJ PROJ. No.: 972.32  
DATE: MAY 10, 2019

D-8







- GENERAL NOTES
1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
  2. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE. FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF THE TEMPORARY TRAFFIC CONTROL PLAN. SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
  3. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.

- ACTIVITY AREA
1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 500' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  2. WHEN TWO OR MORE AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

- SIGNS
1. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
  2. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.
  3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
  4. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF MULTI-LANE DIVIDED HIGHWAYS, MULTI-LANE RAMPS, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

5. SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIER IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SHIELD TYPE BRACKET, LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
6. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY HIS/HER DESIGNEE.
7. NY99-12 MAY BE USED IN PLACE OF NY99-11.

- CHANNELIZING DEVICES
1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.
  2. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY, FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.

- LANE CLOSURES
1. THE CONTRACTOR SHALL LOCATE LANE CLOSURES TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.
  2. THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.

- LANE WIDTHS
1. UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'; THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
  2. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE REGIONAL POINT ENGINEER OF A TIMELY MANNER.























- BARRIER/SHADOW VEHICLES
1. BARRIER AND SHADOW VEHICLES SHALL BE REQUIRED AS PER STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL: LEGENDS AND NOTES".
  2. NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE BARRIER OR SHADOW VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCES).
  3. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A BARRIER VEHICLE IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE, TO BE INCLUDED IN THE UNIT BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL.

- TEMPORARY LANE CLOSURE RESTRICTIONS
- THERE SHALL NOT BE TEMPORARY LANE CLOSURES ON THE FOLLOWING DATES:
- 2020  
JAN. 1-2  
MAY 22-26  
JULY 2-JULY 6  
SEPT. 1-5  
NOV. 25-NOV. 29  
DEC. 24-DEC. 28

- THERE SHALL BE NO TEMPORARY LANE CLOSURES ON THE FOLLOWING DAYS AND TIMES:
- MONDAY - FRIDAY: 6:00 A.M. THROUGH 9:00 A.M.  
3:00 P.M. THROUGH 6:00 P.M.

- THE DEPARTMENT OF TRANSPORTATION RETAIN THE RIGHT TO CANCEL ANY WORK OPERATIONS INCLUDING LANE CLOSURE AND/OR TOTAL ROAD CLOSURES THAT WOULD BE AFFECTED BY UNFORESEEN MAJOR EVENTS THAT MAY CREATE TRAFFIC DELAYS, SEVEN (7) CALENDAR DAYS PRIOR TO THE PROPOSED WORK. SPECIFIC DATES ARE YET TO BE DETERMINED.

WORK ZONE TRAFFIC CONTROL SIGN TABLE					
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	FREEWAY
	W1-1	C	-----	72"x60"	72"x60"
	W2-1	A	36"x18"	48"x24"	48"x24"
	W3-1	A	36"x18"	-----	-----
	W4-1	G	1 OR 2 DIGITS 24"x24"	36"x36"	36"x36"
	W5-1	G	3 DIGITS 24"x24"	45"x36"	45"x36"
	W6-1	B	1 OR 2 DIGITS 24"x24"	36"x36"	36"x36"
	W7-1	B	3 DIGITS 24"x24"	45"x36"	45"x36"
	W8-1	A	24"x18"	24"x18"	24"x18"
	W9-1	A	48"x18"	48"x18"	48"x18"
	W10-1	A	48"x18"	48"x18"	48"x18"
	W11-1	A	48"x18"	48"x18"	48"x18"
	W12-1	A	48"x18"	48"x18"	48"x18"
	W13-1	A	48"x18"	48"x18"	48"x18"
	W14-1	A	48"x18"	48"x18"	48"x18"
	W15-1	A	48"x18"	48"x18"	48"x18"
	W16-1	A	48"x18"	48"x18"	48"x18"
	W17-1	A	48"x18"	48"x18"	48"x18"
	W18-1	A	48"x18"	48"x18"	48"x18"
	W19-1	A	48"x18"	48"x18"	48"x18"
	W20-1	A	48"x18"	48"x18"	48"x18"
	W21-1	A	48"x18"	48"x18"	48"x18"
	W22-1	A	48"x18"	48"x18"	48"x18"
	W23-1	A	48"x18"	48"x18"	48"x18"
	W24-1	A	48"x18"	48"x18"	48"x18"
	W25-1	A	48"x18"	48"x18"	48"x18"
	W26-1	A	48"x18"	48"x18"	48"x18"
	W27-1	A	48"x18"	48"x18"	48"x18"
	W28-1	A	48"x18"	48"x18"	48"x18"
	W29-1	A	48"x18"	48"x18"	48"x18"
	W30-1	A	48"x18"	48"x18"	48"x18"
	W31-1	A	48"x18"	48"x18"	48"x18"
	W32-1	A	48"x18"	48"x18"	48"x18"
	W33-1	A	48"x18"	48"x18"	48"x18"
	W34-1	A	48"x18"	48"x18"	48"x18"
	W35-1	A	48"x18"	48"x18"	48"x18"
	W36-1	A	48"x18"	48"x18"	48"x18"
	W37-1	A	48"x18"	48"x18"	48"x18"
	W38-1	A	48"x18"	48"x18"	48"x18"
	W39-1	A	48"x18"	48"x18"	48"x18"
	W40-1	A	48"x18"	48"x18"	48"x18"
	W41-1	A	48"x18"	48"x18"	48"x18"
	W42-1	A	48"x18"	48"x18"	48"x18"
	W43-1	A	48"x18"	48"x18"	48"x18"
	W44-1	A	48"x18"	48"x18"	48"x18"
	W45-1	A	48"x18"	48"x18"	48"x18"
	W46-1	A	48"x18"	48"x18"	48"x18"
	W47-1	A	48"x18"	48"x18"	48"x18"
	W48-1	A	48"x18"	48"x18"	48"x18"
	W49-1	A	48"x18"	48"x18"	48"x18"
	W50-1	A	48"x18"	48"x18"	48"x18"
	W51-1	A	48"x18"	48"x18"	48"x18"
	W52-1	A	48"x18"	48"x18"	48"x18"
	W53-1	A	48"x18"	48"x18"	48"x18"
	W54-1	A	48"x18"	48"x18"	48"x18"
	W55-1	A	48"x18"	48"x18"	48"x18"
	W56-1	A	48"x18"	48"x18"	48"x18"
	W57-1	A	48"x18"	48"x18"	48"x18"
	W58-1	A	48"x18"	48"x18"	48"x18"
	W59-1	A	48"x18"	48"x18"	48"x18"
	W60-1	A	48"x18"	48"x18"	48"x18"
	W61-1	A	48"x18"	48"x18"	48"x18"
	W62-1	A	48"x18"	48"x18"	48"x18"
	W63-1	A	48"x18"	48"x18"	48"x18"
	W64-1	A	48"x18"	48"x18"	48"x18"
	W65-1	A	48"x18"	48"x18"	48"x18"
	W66-1	A	48"x18"	48"x18"	48"x18"
	W67-1	A	48"x18"	48"x18"	48"x18"
	W68-1	A	48"x18"	48"x18"	48"x18"
	W69-1	A	48"x18"	48"x18"	48"x18"
	W70-1	A	48"x18"	48"x18"	48"x18"
	W71-1	A	48"x18"	48"x18"	48"x18"
	W72-1	A	48"x18"	48"x18"	48"x18"
	W73-1	A	48"x18"	48"x18"	48"x18"
	W74-1	A	48"x18"	48"x18"	48"x18"
	W75-1	A	48"x18"	48"x18"	48"x18"
	W76-1	A	48"x18"	48"x18"	48"x18"
	W77-1	A	48"x18"	48"x18"	48"x18"
	W78-1	A	48"x18"	48"x18"	48"x18"
	W79-1	A	48"x18"	48"x18"	48"x18"
	W80-1	A	48"x18"	48"x18"	48"x18"
	W81-1	A	48"x18"	48"x18"	48"x18"
	W82-1	A	48"x18"	48"x18"	48"x18"
	W83-1	A	48"x18"	48"x18"	48"x18"
	W84-1	A	48"x18"	48"x18"	48"x18"
	W85-1	A	48"x18"	48"x18"	48"x18"
	W86-1	A	48"x18"	48"x18"	48"x18"
	W87-1	A	48"x18"	48"x18"	48"x18"
	W88-1	A	48"x18"	48"x18"	48"x18"
	W89-1	A	48"x18"	48"x18"	48"x18"
	W90-1	A	48"x18"	48"x18"	48"x18"
	W91-1	A	48"x18"	48"x18"	48"x18"
	W92-1	A	48"x18"	48"x18"	48"x18"
	W93-1	A	48"x18"	48"x18"	48"x18"
	W94-1	A	48"x18"	48"x18"	48"x18"
	W95-1	A	48"x18"	48"x18"	48"x18"
	W96-1	A	48"x18"	48"x18"	48"x18"
	W97-1	A	48"x18"	48"x18"	48"x18"
	W98-1	A	48"x18"	48"x18"	48"x18"
	W99-1	A	48"x18"	48"x18"	48"x18"
	W100-1	A	48"x18"	48"x18"	48"x18"

WORK ZONE TRAFFIC CONTROL SIGN TABLE					
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY	FREEWAY
	W1-1	B	24"x42"	48"x36"	48"x36"
	W2-12	B	24"x36"	36"x54"	48"x32"
	W3-17	A	36"x36"	48"x48"	48"x48"
	W4-30	A	48"x24"	48"x24"	48"x24"
	W5-31	A	48"x24"	48"x24"	48"x24"
	W6-32	A	48"x24"	48"x24"	48"x24"
	W7-33	A	48"x24"	48"x24"	48"x24"
	R1-1	D	36"x36"	36"x36"	48"x48"
	R1-2	E	36"x36"x36"	48"x48"x48"	60"x60"x60"
	R2-1	B	24"x36"	36"x48"	36"x48"
	R2-12	B	24"x36"	36"x54"	36"x54"
	R4-1	B	24"x36"	36"x48"	36"x48"
	R6-7	B	24"x36"	36"x48"	36"x48"
	R4-7c	B	18"x36"	-----	-----
	R6-8	B	24"x36"	36"x48"	36"x48"
	R4-8c	B	18"x36"	-----	-----
	R4-9	B	24"x36"	36"x48"	36"x48"
	R5-1	E	36"x36"	36"x36"	48"x48"
	R9-8	B	36"x18"	36"x18"	-----
	R9-9	B	24"x12"	24"x12"	-----
	R5-10c	B	24"x12"	24"x12"	-----
	R5-11	B	24"x18"	24"x18"	-----
	R5-11c	B	24"x12"	24"x12"	-----
	R10-6	B	24"x36"	24"x36"	-----
	R11-2	B	48"x36"	48"x36"	48"x36"



WORK ZONE TRAFFIC CONTROL SIGN TABLE				
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY
	W5-1	A	36"x36"	48"x48"
	W5-4	A	36"x36"	48"x48"
	W6-3	A	36"x36"	48"x48"
	W7-3a	A	24"x18"	36"x36"
	W8-1	A	36"x36"	48"x48"
	W8-3	A	36"x36"	48"x48"
	W8-7	A	36"x36"	48"x48"
	W8-8	A	36"x36"	48"x48"
	W8-9	A	36"x36"	48"x48"
	W8-12	A	36"x36"	-----
	W8-14	A	36"x36"	48"x48"
	W8-15	A	36"x36"	48"x48"
	W8-17	A	36"x36"	48"x48"
	W8-17a	A	24"x18"	36"x36"
	W8-23	A	36"x36"	48"x48"
	W8-24	A	36"x36"	48"x48"
	W9-3	A	36"x36"	48"x48"
	W11-1L W11-1R	A OR F	36"x36"	-----
	W11-2L W11-2R	F	36"x36"	-----
	W11-15L W11-15R	F	36"x36"	-----

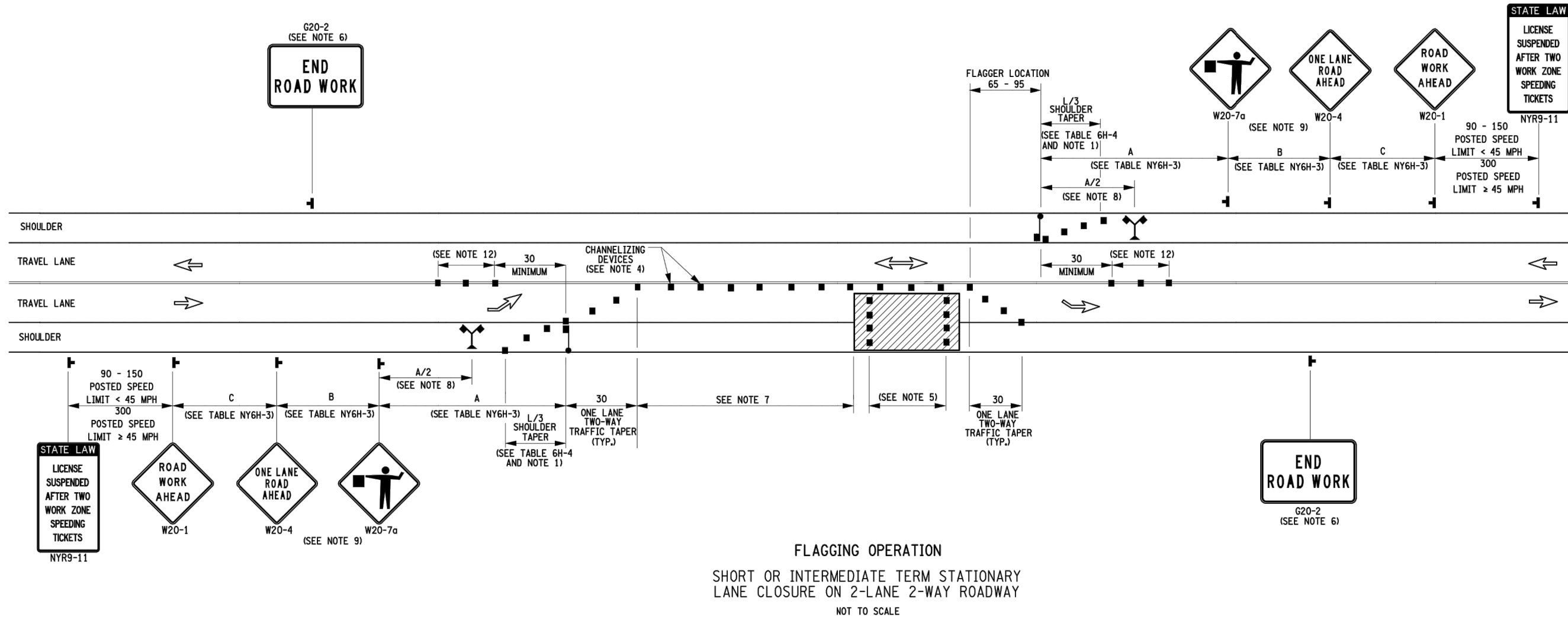
WORK ZONE TRAFFIC CONTROL SIGN TABLE				
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY
	W13-1P	A	24"x24"	36"x36"
	W14-3	A	36"x36"	36"x36"
	W15-4P	A	48"x48"x36"	-----
	W16-1P	SEE NOTE 3 A OR F	18"x24"	24"x36"
	W16-2P	A	24"x18"	36"x24"
	W16-4P	SEE NOTE 3 A OR F	36"x24"	-----
	W16-5PL W16-5PR	A	24"x18"	-----
	W16-7PL W16-7PR	SEE NOTE 3 A OR F	24"x12"	36"x18"
	W16-9P	SEE NOTE 3 A OR F	24"x12"	36"x18"
	W20-1	A	36"x36"	48"x48"
	W20-2	A	36"x36"	48"x48"
	W20-3	A	36"x36"	48"x48"
	W20-4	A	36"x36"	48"x48"
	W20-5	A	36"x36"	48"x48"
	W20-5a	A	36"x36"	48"x48"
	W20-7	A	36"x36"	48"x48"

WORK ZONE TRAFFIC CONTROL SIGN TABLE				
SIGN	SIGN DESIGNATION	COLOR CODE	CONVENTIONAL ROAD	EXPRESSWAY
	W21-1	A	36"x36"	48"x48"
	W21-4	A	36"x18"	48"x24"
	W21-5	A	36"x36"	48"x48"
	W21-5aL W21-5aR	A	36"x36"	48"x48"
	W21-5aL W21-5aR	A	36"x36"	48"x48"
	W21-9	A	36"x36"	48"x48"
	W22-1	A	36"x36"	48"x48"
	W22-2	A	42"x36"	42"x36"
	W22-3	A	42"x36"	42"x36"
	W23-2	A	36"x36"	48"x48"
	W24-1L W24-1R	A	36"x36"	48"x48"
	W24-1aL W24-1aR	A	36"x36"	48"x48"
	W24-1aL W24-1aR	A	36"x36"	48"x48"

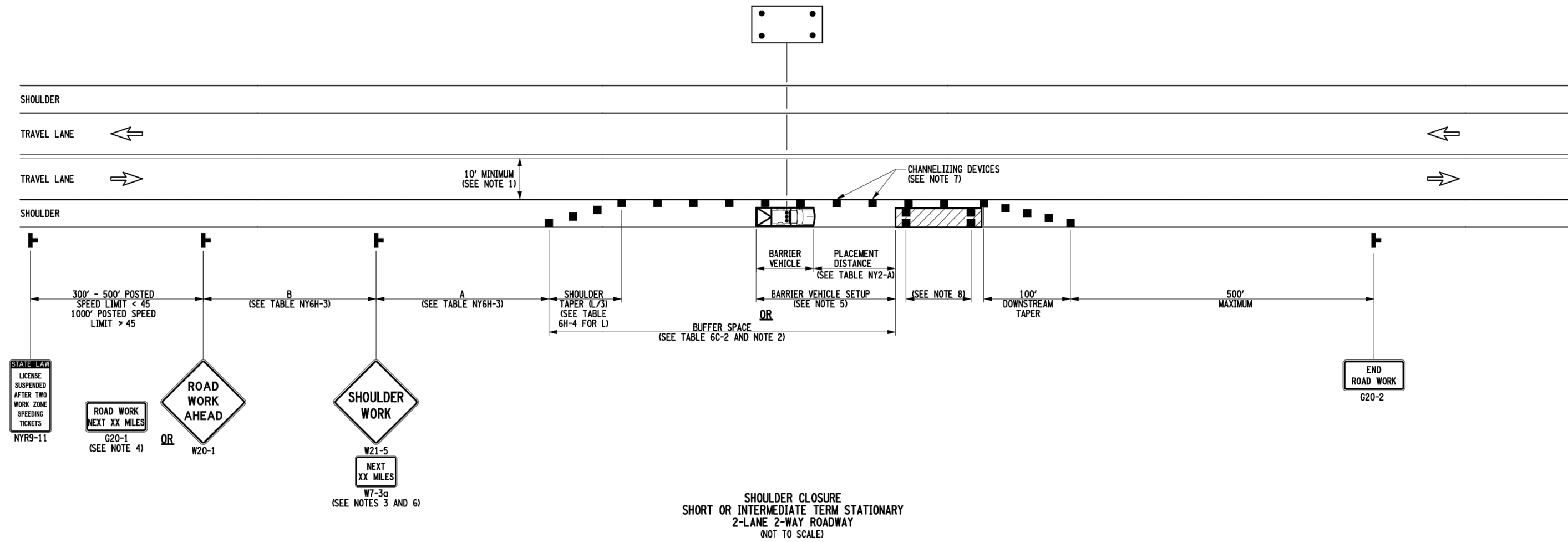
ROADWAY DEFINITIONS:  
CONVENTIONAL ROAD - A STREET OR HIGHWAY OTHER THAN A FREEWAY, OR EXPRESSWAY.  
EXPRESSWAY - A DIVIDED HIGHWAY WITH PARTIAL CONTROL OF ACCESS.  
FREEWAY - A DIVIDED HIGHWAY WITH FULL CONTROL OF ACCESS.

COLOR CODE LEGEND	
CODE	DESCRIPTION
A	BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND
B	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND
C	WHITE LEGEND AND BORDER ON A GREEN BACKGROUND
D	WHITE LEGEND AND BORDER ON A RED BACKGROUND
E	RED LEGEND AND BORDER ON A WHITE BACKGROUND
F	BLACK LEGEND AND BORDER ON A FLUORESCENT YELLOW GREEN BACKGROUND
G	WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND

- NOTES:
- DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
  - FOR SPACING NOT SHOWN ON THESE TABLES REFER TO THE MANUAL.
  - WHEN USED IN CONJUNCTION WITH A BICYCLE SIGN (W11-1) OR PEDESTRIAN CROSSING (W11-2) COLOR CODE SHALL MATCH.



- NOTES:
- WHEN PAVED SHOULDERS HAVING A WIDTH OF 2.4 m OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK AREA AND TO PROTECT VEHICLES FROM TRAFFIC IN THE TRAVEL LANE.
  - WHEN A 2-WAY ROAD OR HIGHWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL ENTERPRISES LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE.
  - NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
  - CHANNELIZING DEVICES SPACING CENTER TO CENTER SHALL NOT EXCEED 12 m IN THE ACTIVE WORK SPACE.
  - TRANSVERSE DEVICES SHALL BE REQUIRED AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 2.4 m OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 450 m.
  - THE END ROAD WORK SIGN (G20-2) SHALL BE PLACED A MAXIMUM OF 150 m PAST THE END OF THE WORK SPACE.
  - WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
  - THE FLAG TREE SHALL BE LOCATED ON THE SHOULDER, AT APPROXIMATELY 1/2 THE DISTANCE BETWEEN THE FLAGGER SIGN (W20-7a) AND THE FLAGGER.
  - FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
  - FLAGGER AND FLAG TREE SHALL BE ILLUMINATED TO LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
  - ALL FLAGGERS SHALL USE 600 mm MINIMUM OCTAGON SHAPED STOP/SLOW PADDOLES HAVING 1.8 m STAFF.
  - CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.



- NOTES:
- WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, USE THE DETAIL FOR SHORT OR INTERMEDIATE TERM STATIONARY FLAGGING OPERATION.
  - NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
  - WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK IS 2 MILES TO 5 MILES, SUPPLEMENTAL DISTANCE PLAQUE (W7-3a) SHOULD BE USED WITH THE SHOULDER WORK SIGN (W21-5).
  - THE ROAD WORK NEXT XX MILES SIGN (W20-1) MAY BE USED INSTEAD OF THE ROAD WORK AHEAD SIGN (W20-1) IF WORK LOCATIONS OCCUR OVER A DISTANCE OF MORE THAN 2 MILES.
  - FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES W11-4 AND W12-4 ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
  - IN THOSE SITUATIONS WHERE MULTIPLE WORK LOCATIONS EXIST WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND WORK SHALL NOT EXCEED 5 MILES.
  - CHANNELIZING DEVICES SPACING CENTER TO CENTER SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
  - TRANSVERSE DEVICES SHALL BE REQUIRED AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.

PRELIMINARY DRAWINGS: NOT FOR CONSTRUCTION

SUBMITTAL / REVISIONS				
No.	DATE	DESCRIPTION	BY	REVIEWED BY:

PROJ. MANAGER: JWE
CHIEF DESIGNER: JWE
DESIGNED BY: JWE
DRAWN BY: APY
CHECKED BY: JWE



DATE
DATE

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.

Engineering and  
Land Surveying, P.C.

1533 Crescent Road - Clifton Park, NY 12065

REGAN DEVELOPMENT

**WORKZONE TRAFFIC CONTROLS**

42 GATES AVE

VILLAGE OF VICTORY NEW YORK

SCALE: N.T.S.

CONTRACT No.: MJ PROJ. No.: 972.32

DATE: MAY 10, 2019

**MPT-2**