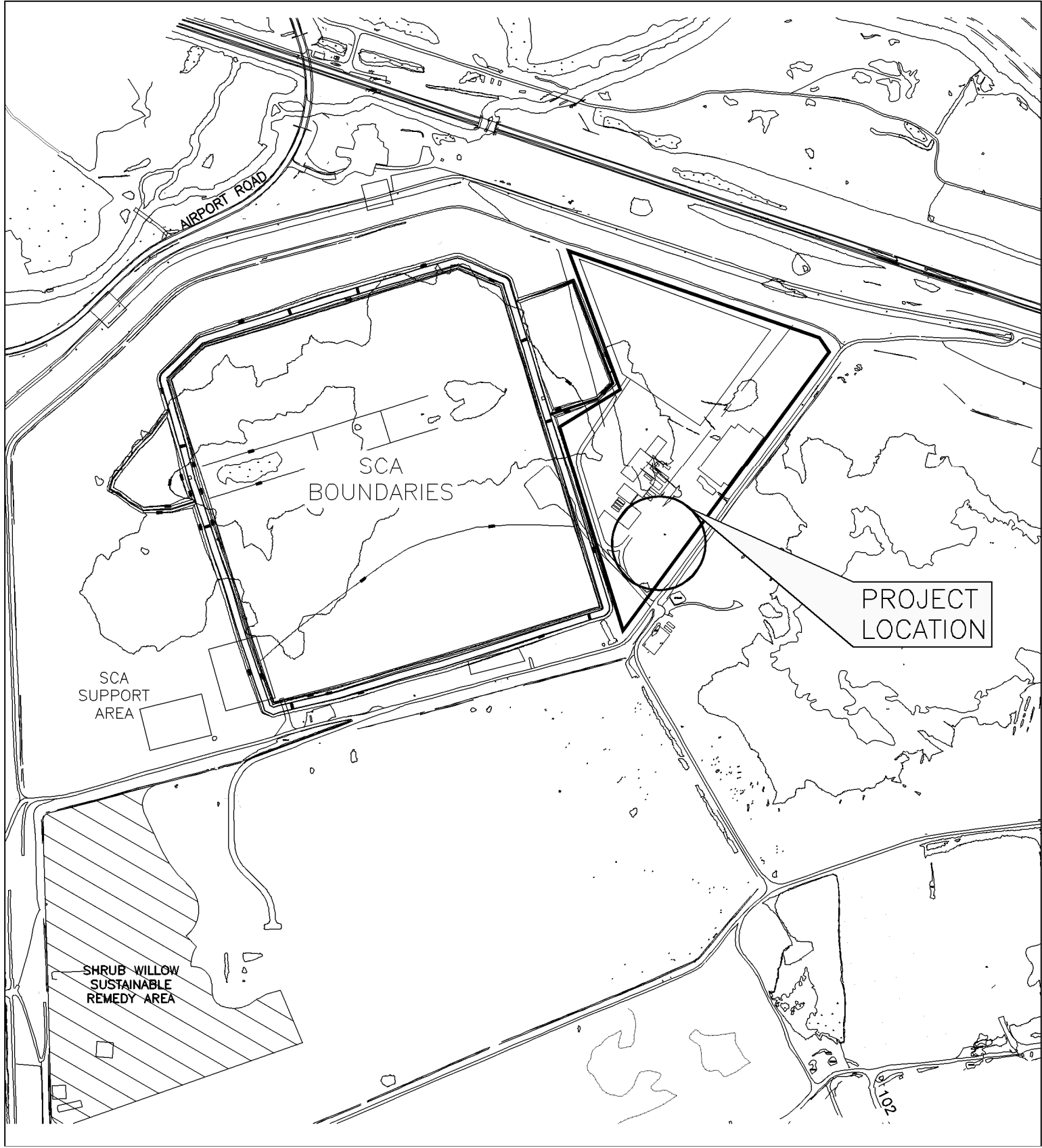


***APPLICABLE CONTRACT
DRAWINGS***



LOCATION PLAN
NOT TO SCALE

ISSUED FOR CONSTRUCTION

DESIGN PACKAGE DP #3

SCA WATER TREATMENT PLANT (WTP)

TOWN OF CAMILLUS, NEW YORK

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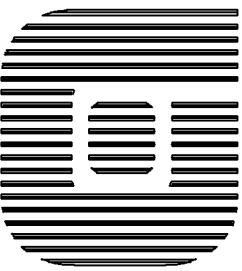
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HONEYWELL INTERNATIONAL, INC.
MORRISTOWN, NEW JERSEY

MARCH 22, 2010

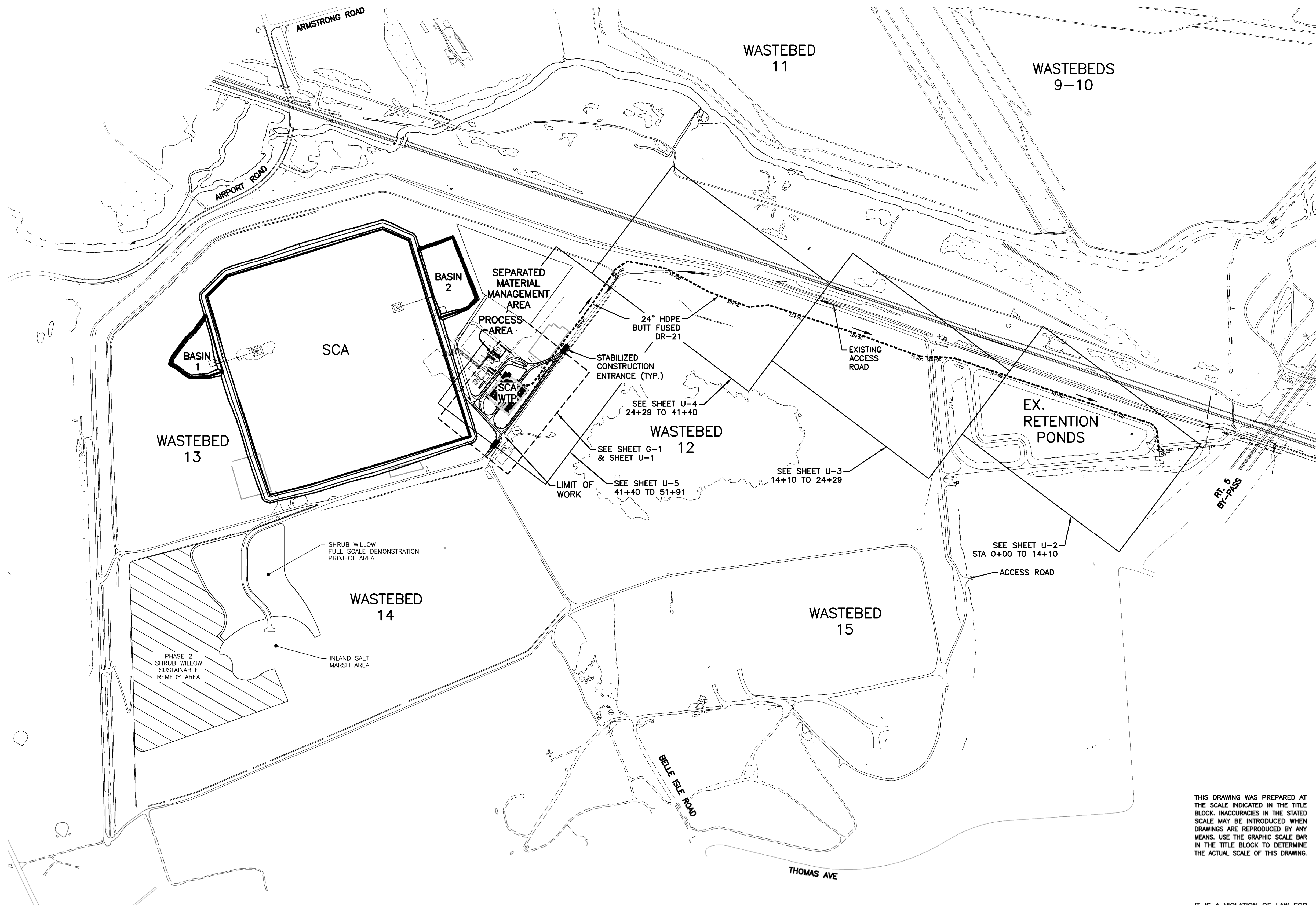


O'BRIEN & GERE

333 WEST WASHINGTON STREET
SYRACUSE, NY 13202
PHONE: 315-956-6100



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PLAN
SCALE: 1"=400'



NOTES:

1. NEW CONSTRUCTION INCLUDES WORK WITHIN THE LIMIT OF WORK LINE FOR THE SCA WTP AND THE EFFLUENT PIPELINE.

SURVEY NOTE:

THE BASE PLAN SURVEY CONTROL IS BASED ON THE FOLLOWING:

HORIZONTAL - NORTH AMERICAN DATUM 1983 (NAD83) PROJECTED ON NEW YORK STATE PLANE COORDINATE SYSTEM (CENTRAL ZONE)

VERTICAL - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

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1"=400' 400 0 400 800

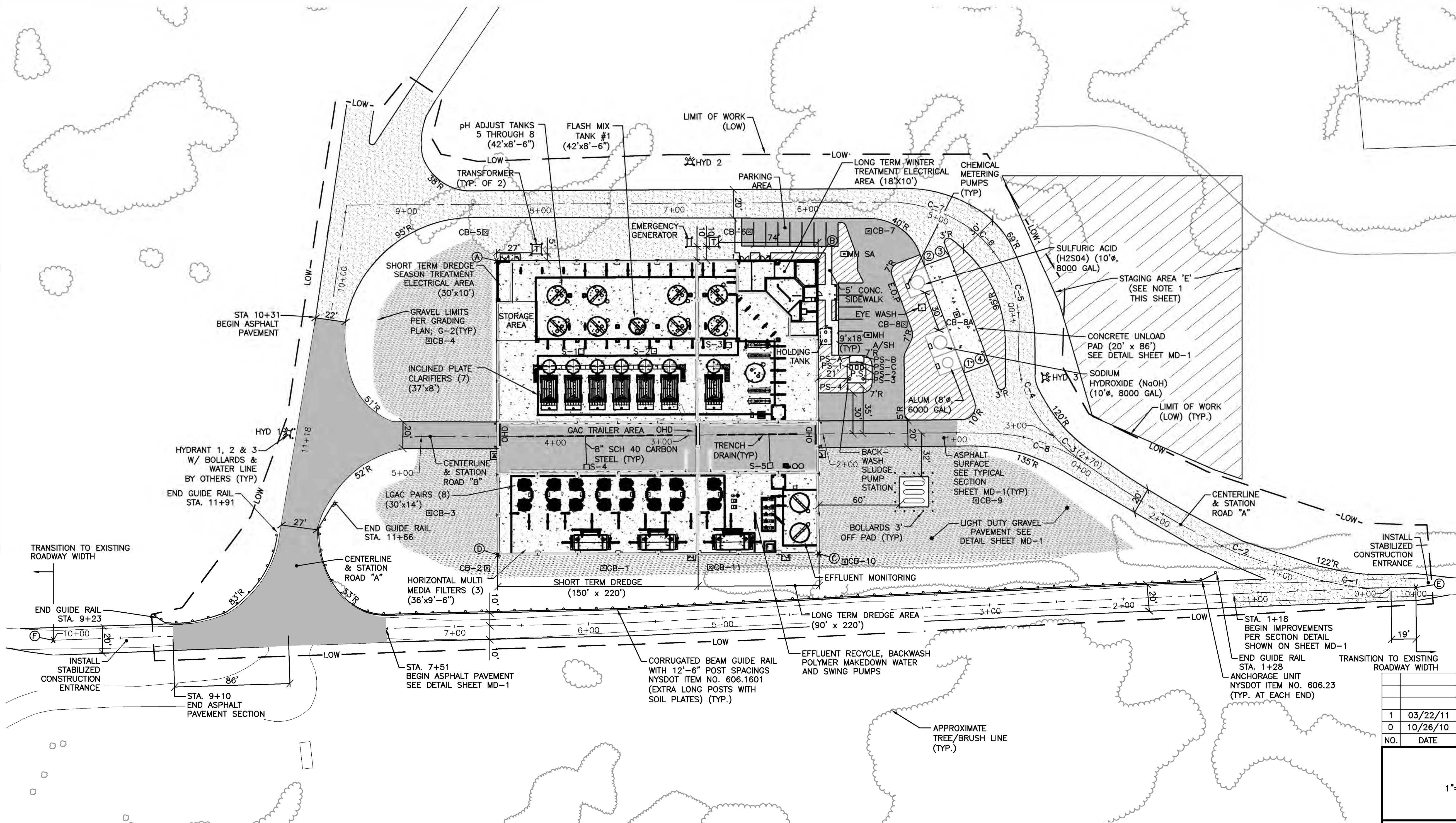


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HONEYWELL INTERNATIONAL, INC.
DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

OVERALL SITE & KEY PLAN

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-SP1	SP-1
DESIGNED BY	MER	CHECKED BY	RGD	
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010	



CONCRETE UNLOAD PAD

1	N: 1120169.1972 E: 908181.5170	3	N: 1120215.3519 E: 908106.1885
2	N: 1120196.3095 E: 908099.9048	4	N: 1120188.2254 E: 908187.7982

① - DENOTES NORTHING & EASTING LOCATIONS

COORDINATE TABLE
CATCH BASIN/MANHOLES

CB-1	CB-7
N: 1119867.8140 E: 908127.1556	N: 1120179.8594 E: 908053.9833
CB-2	CB-8
N: 1119799.6893 E: 908073.0443	N: 1120157.0045 E: 908125.3108
CB-3	CB-8A
N: 1119791.9977 E: 908013.5394	N: 1120192.2464 E: 908143.9384
CB-4	CB-9
N: 1119871.9731 E: 907912.9193	N: 1120116.7745 E: 908261.1857
CB-5	CB-10
N: 1119955.7327 E: 907875.8989	N: 1120011.4184 E: 908236.0900
CB-6	CB-11
N: 1120110.0986 E: 907998.7093	N: 1119930.3399 E: 908176.7107

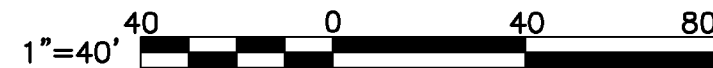
NORTHING & EASTING
SHOWN AT CENTER OF
CATCH BASIN/MAHOLES

MH SA	MH-A/SH
N: 1120155.0984 E: 908055.8228	N: 1120131.0136 E: 908114.5883

NOTES:

- THIS AREA DESIGNATED FOR CONTRACTOR LAYDOWN/STAGING AREA. CONTRACTOR TO STRIP AND REMOVE VEGETATION FROM STAGING AREA E, GRADE TO DRAIN, COMPACT SUBGRADE TO THE EXTENT POSSIBLE, INSTALL ONE LAYER OF TENSAR BX1200 ON SUBGRADE AND 12-INCHES OF NYSDOT ITEM NO. 304.12 SUBBASE COURSE TYPE 2 IN TWO 6-INCH LIFTS COMPACTED TO 95% MODIFIED PROCTOR. TENSAR BX1200 TO BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- SEE STRUCTURAL DRAWINGS FOR CONCRETE PAD DIMENSIONS AND DETAILS.
- SEE SHEET MD-1 FOR ASPHALT & PAVEMENT SECTION DETAILS.
- SEE SHEET G-3 FOR ROAD "A" & "B" CENTERLINE PROFILES.

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HONEYWELL INTERNATIONAL, INC.
DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

SITE PLAN

IN CHARGE OF	JSR	FILE NO.	1163.45613-G1
DESIGNED BY	GBE	CHECKED BY	PDS
DRAWN BY	JAS	DATE	OCT. 26, 2010

G-1

EQUIPMENT WITHIN WATER TREATMENT BUILDING NOTE:

A. EQUIPMENT IN BUILDING SHOWN FOR ILLUSTRATION ONLY AND IS SUBJECT TO CHANGE. SEE MECHANICAL PLANS FOR EQUIPMENT AND PIPING LOCATIONS.

CURVE DATA TABLE									
CURVE NUMBER	LENGTH	RADIUS	CHORD	CHORD DIRECTION	TANGENT LENGTH	DELTA ANGLE	POINT OF CURVATURE STATION	POINT OF TANGENCY STATION	MID ORDINATE
1	20.31'	132.00'	20.29'	S46°28'51"W	10.18'	8°49'00"	0+37.22	0+57.53	0.39'
2	101.69'	709.30'	101.61'	S67°51'23"W	50.93'	8°12'52"	1+36.50	2+38.19	1.82'
3	35.97'	129.94'	35.86'	S81°14'00"W	18.10'	15°51'39"	2+69.83	3+05.80	1.24'
4	69.13'	81.77'	67.09'	N71°14'05"W	36.79'	48°26'36"	3+05.80	3+74.94	7.20'
5	64.00'	90.81'	62.68'	N66°27'27"W	33.39'	40°22'50"	3+81.73	4+45.73	5.58'
6	29.72'	90.44'	29.59'	S84°42'42"W	14.99'	18°49'49"	4+45.73	4+75.45	1.22'
7	58.42'	110.96'	57.75'	S58°04'33"W	29.91'	30°10'01"	4+75.45	5+33.88	3.82'
8	70.41'	132.50'	69.58'	S57°16'41"W	36.06'	30°27'00"	0+00.00	0+70.41	4.65'

C-1 - DENOTES CURVE NUMBER

SITE PLAN
SCALE: 1"=40'

LEGEND

- PROPOSED GUIDE RAIL
- PROPOSED BITUMINOUS CONCRETE PAVEMENT
- PROPOSED CONCRETE PAD
- PROPOSED LIGHT DUTY GRAVEL PAVEMENT
- PROPOSED HEAVY DUTY GRAVEL PAVEMENT
- PROPOSED AREA TO BE LANDSCAPED
- PROPOSED BOLLARD
- SUMP PIT LOCATION/ IDENTIFICATION NUMBER

COORDINATE TABLE		
LOCATION	NORTHING	EASTING
A	1119948.9930	907897.5489
B	1120137.1190	908046.9768
C	1120000.1305	908219.4419
D	1119812.0046	908070.0140
E	1120332.6362	908517.4517
F	1119513.1596	907912.5553

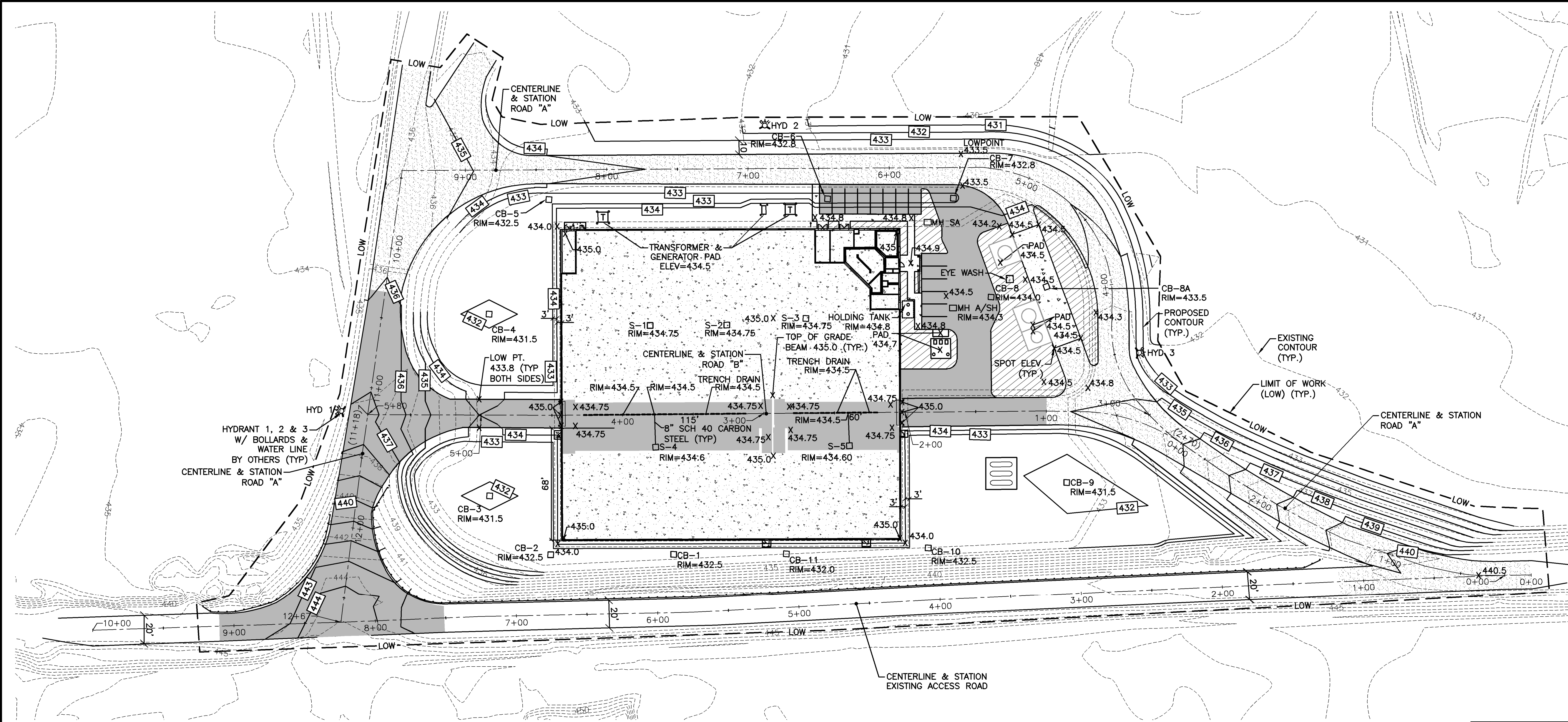
© - DENOTES NORTHING & EASTING LOCATIONS

BWPS H-PILE NORTHING & EASTING SCHEDULE	
PS-1	PS-2
N: 1120105.1285 E: 908121.7660	N: 1120116.0911 E: 908130.4735
PS-3	PS-4
N: 1120107.3836 E: 908141.4361	N: 1120096.4210 E: 908132.7286
VALVE CHAMBER H-PILE NORTHING & EASTING SCHEDULE	
PS-A	PS-B
N: 1120110.4258 E: 908118.3111	N: 1120118.2562 E: 908124.5308
PS-C	
N: 1120111.8531 E: 908124.5531	

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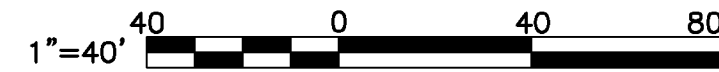


PLAN
SCALE: 1"=40'

- NOTES:
1. REFER TO SHEET U-1 FOR UNDERGROUND PIPING DETAILS.
 2. SEE SHEET G-3 FOR ROAD "A" & "B" CENTERLINE PROFILES.
 3. REFER TO SHEET G-4 PRE-LOAD GRADING PLAN TO REVIEW OVERALL SITE GRADING.
 4. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR CONCRETE FLOOR FINISH FLOOR ELEVATIONS.

- LEGEND
- 446 --- EXISTING CONTOUR
 - 437 --- PROPOSED CONTOUR
 - x 432 PROPOSED SPOT ELEVATION
 - CB-1 PROPOSED STORM DRAINAGE PIPING & CATCH BASIN
 - DMH-1 PROPOSED STORM DRAINAGE MANHOLE
 - ⊙ POINT OF CONNECTION
 - S-1 SUMP LOCATION & NUMBER
 - MH-SA PROPOSED CHEMICAL LINE STRUCTURE
 - PROPOSED BITUMINOUS CONCRETE PAVEMENT
 - ▨ PROPOSED HEAVY DUTY GRAVEL PAVEMENT
 - ▩ PROPOSED LIGHT DUTY GRAVEL PAVEMENT
 - PROPOSED CONCRETE PAD/ SIDEWALK

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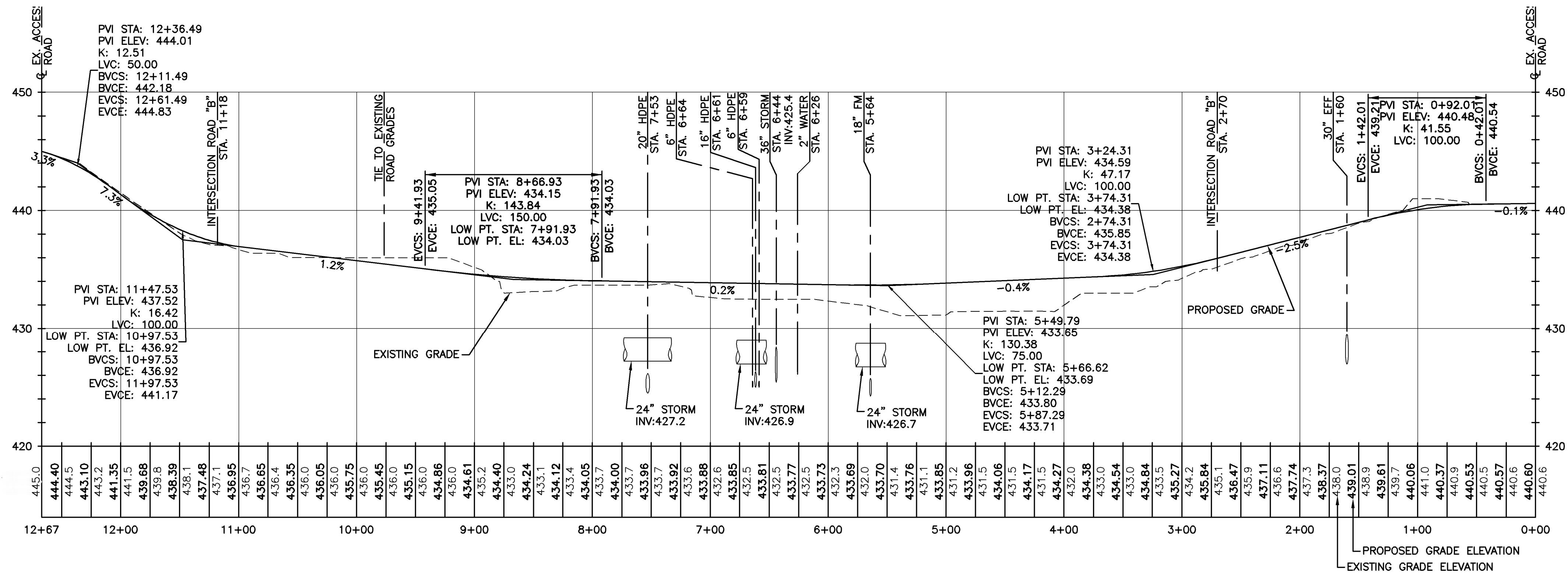


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HONEYWELL INTERNATIONAL, INC.
DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

GRADING PLAN

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-G2
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010

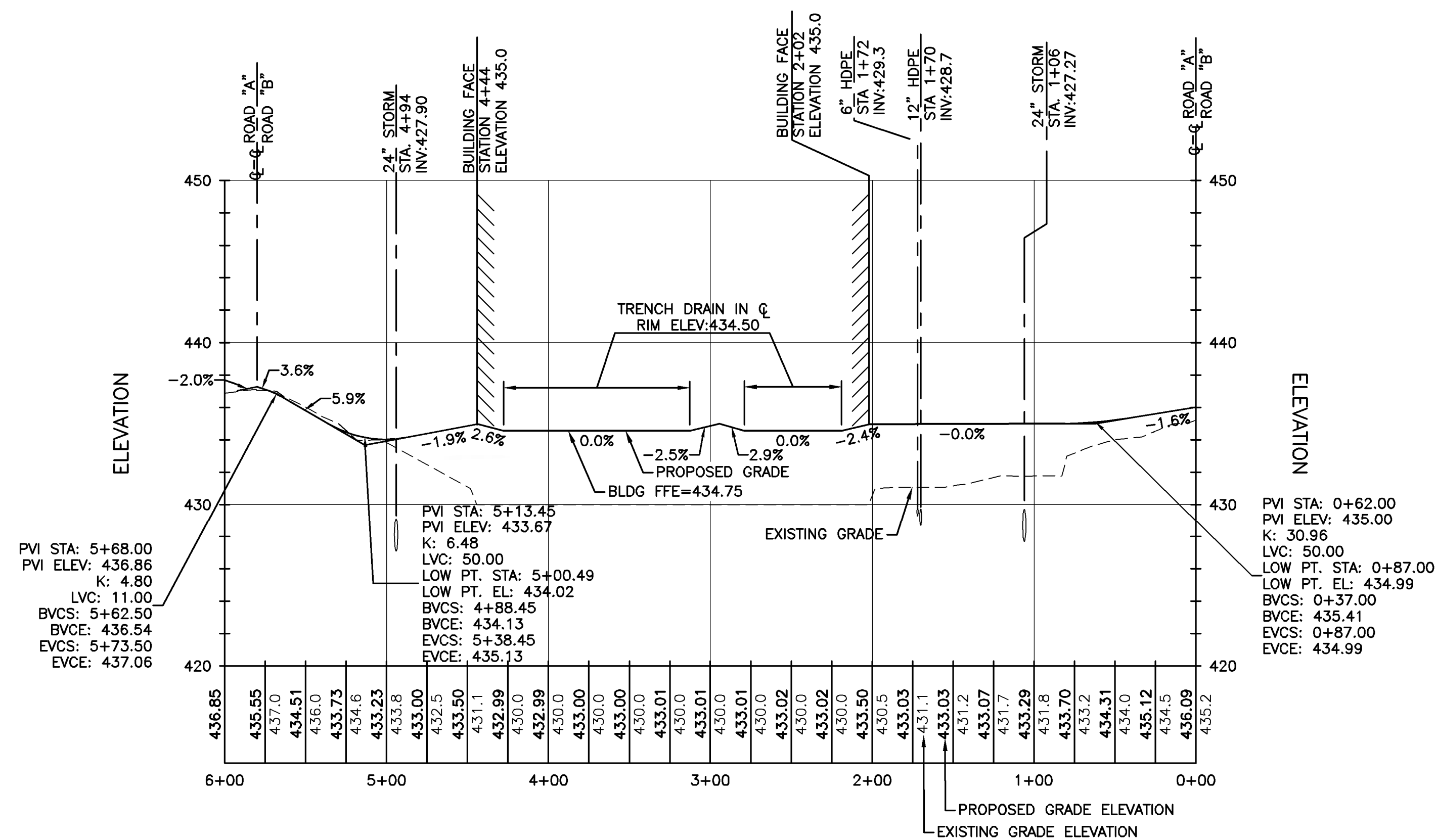


ROAD "A" CENTERLINE PROFILE

SCALE: HORIZ. 1"=60'
VERT. 1"=6'

ABBREVIATIONS

BVCS	BEGIN VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
PVI	POINT OF VERTICAL INTERSECTION
LVC	LENGTH OF VERTICAL CURVE
K	RATE OF VERTICAL CURVATURE
S	SANITARY



ROAD "B" CENTERLINE PROFILE

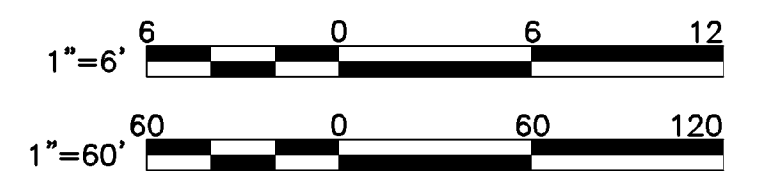
SCALE: HORIZ. 1"=60'
VERT. 1"=6'

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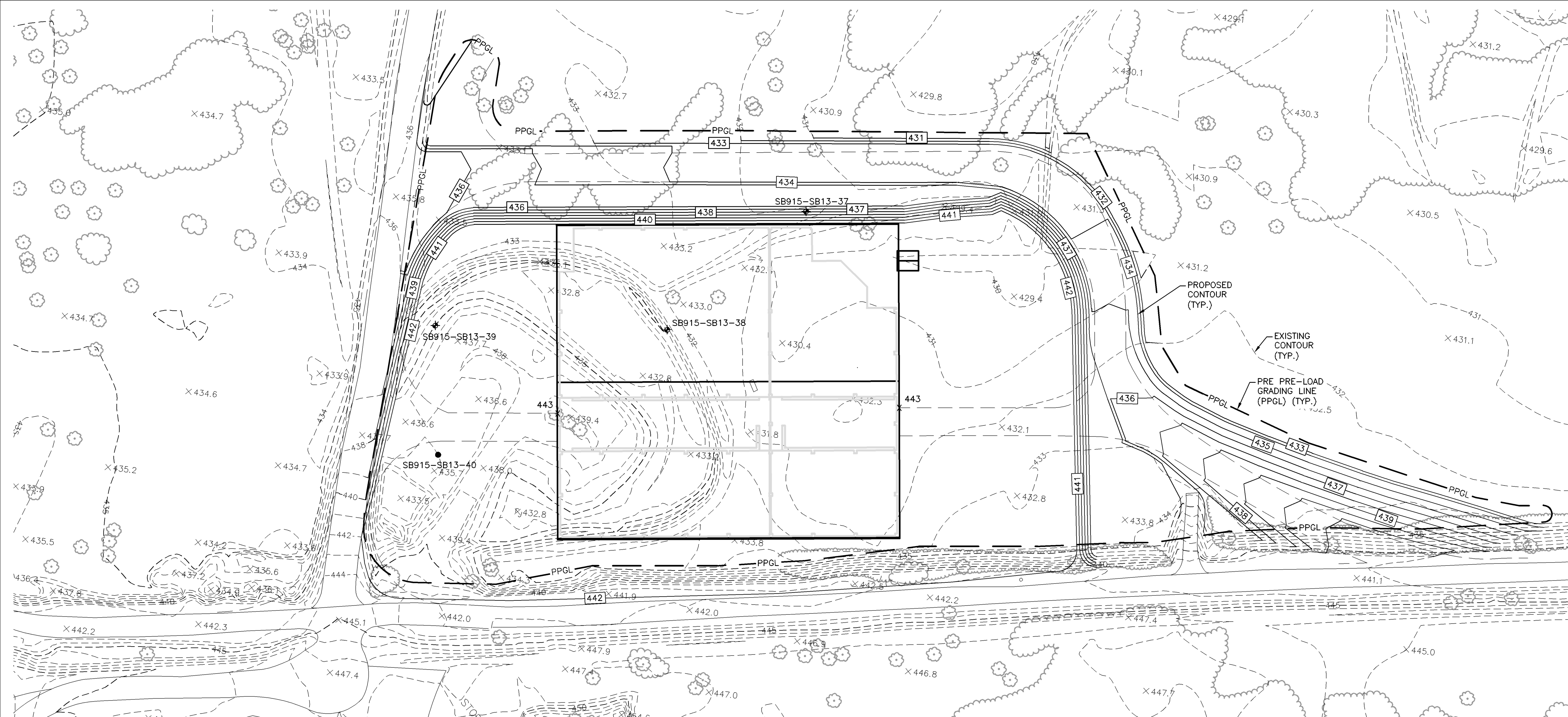
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HONEYWELL INTERNATIONAL, INC.
DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

ROAD "A" & "B"
CENTERLINE PROFILES

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-G3
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010

G-3



PLAN
SCALE: 1"=40'

- LEGEND**
- 446 --- EXISTING CONTOUR
 - 437 --- PROPOSED CONTOUR
 - PPGL --- PRE-LOAD GRADING LINE
 - SB915 SOIL BORING LOCATION

NOTES:

1. THE SITE SHALL BE GRADED BY REMOVAL OF MATERIAL FROM WITHIN THE LIMITS OF PRE-LOAD GRADING LINE (PPGL) LINE TO AN APPROXIMATE ELEVATION OF 431'. ALTERNATIVELY, THE TOP OF PRE-LOAD GRADING CAN BE ADJUSTED TO ACCOUNT FOR AN EQUIVALENT LOADING.
2. REQUIRED PIEZOMETERS AND SETTLEMENT PLATES SHALL BE INSTALLED AT THE LOCATIONS AS DIRECTED BY PARSONS AND GEOSYNTEC.
3. PRELOAD MATERIAL SHALL BE PLACED TO ATTAIN A MINIMUM DENSITY OF 120 POUNDS PER CUBIC FOOT.
4. THE SETTLEMENT PLATES AND PIEZOMETERS SHALL BE MONITORED AT THE FREQUENCY PROVIDED BY PARSONS AND GEOSYNTEC.
5. PRELOAD SOILS SHALL BE REMOVED FOLLOWING THE COMPLETION OF THE PRELOAD CYCLE. THE PRE-LOAD MATERIAL SHALL BE REMOVED TO THE GRADES SHOWN ON G-4 PRE-LOAD REMOVAL GRADING PLAN.
6. SOIL BORINGS OBTAINED BY PARROTT WOLFF, FEBRUARY 2010.
7. PARSONS IS RESPONSIBLE FOR CLEARING & GRUBBING WITHIN LIMITS OF WORK, PRE-LOAD, PRE-LOAD MONITORING, PRE-LOAD REMOVAL & PROOF ROLLING FOLLOWING PRE-LOAD REMOVAL.
8. O'BRIEN & GERE IS RESPONSIBLE FOR WORK, BEGINNING WITH THE INSTALLATION OF MIRAFI TO THE FINAL GRADES SHOWN ON G-2.

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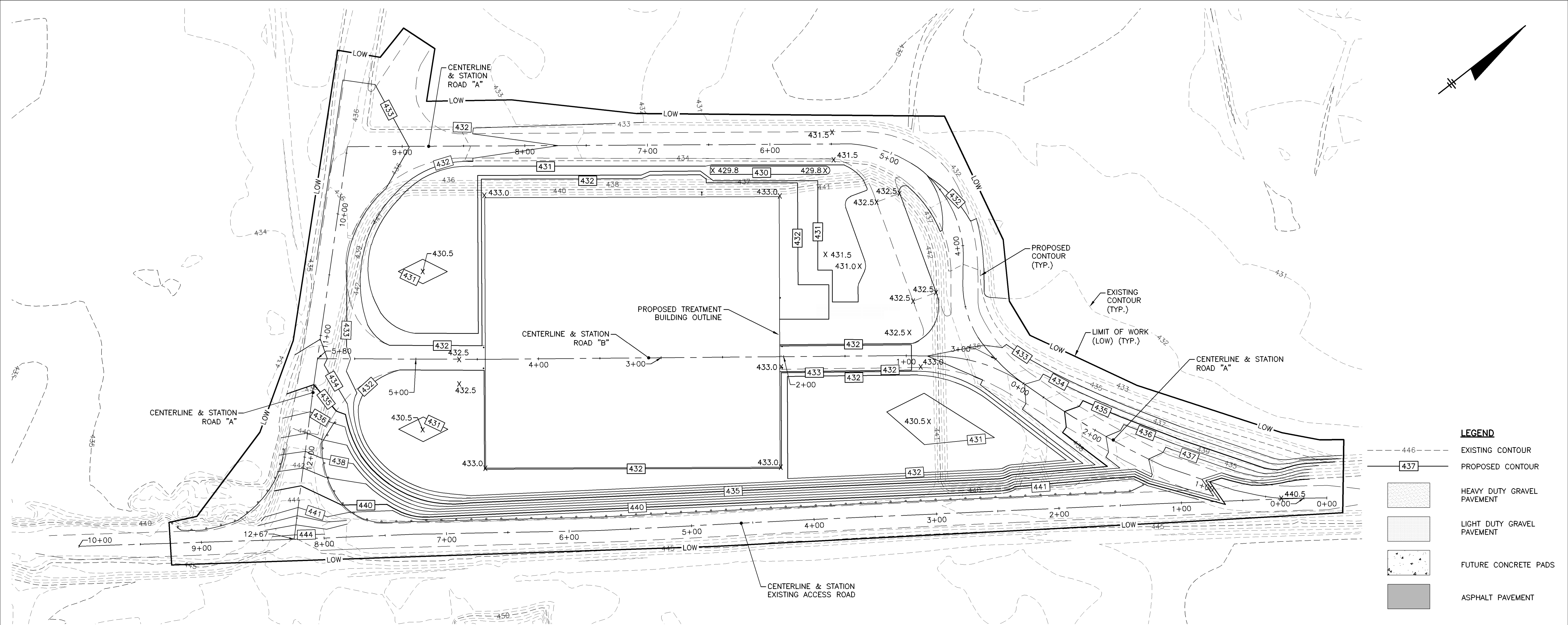


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HONEYWELL INTERNATIONAL, INC.
DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NY

PRE-LOAD GRADING PLAN

IN CHARGE OF	P. D. SCHULTZ	FILE NO.	1163.45613-G4	G-4
DESIGNED BY	DTF	CHECKED BY	MER	
DRAWN BY	SLJ	DATE	OCT. 26, 2010	



PLAN
SCALE: 1"=40'

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	HEAVY DUTY GRAVEL PAVEMENT
	LIGHT DUTY GRAVEL PAVEMENT
	FUTURE CONCRETE PADS
	ASPHALT PAVEMENT

NO.	DATE	REVISION	INIT.
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HONEYWELL INTERNATIONAL, INC.
DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

PRE-LOAD REMOVAL GRADING PLAN

IN CHARGE OF	P. D. SCHULTZ	FILE NO.	1163.45613-G5
DESIGNED BY	DTF	CHECKED BY	MER
DRAWN BY	SLJ	DATE	OCT. 26, 2010

G-5

NOTE:

1. SEE SHEET G-2 FOR SITE FINAL GRADE ELEVATIONS.
2. SEE SHEET MD-1 FOR TYPICAL SECTIONS FOR FINAL SURFACE TREATMENT AND THE LIMIT OF PRE-LOAD REMOVAL FOR EACH OF THE VARIOUS SURFACE TREATMENT TYPES.
3. PRE-LOAD REMOVAL CONTRACTOR TO PROOF ROLL PRE-LOAD REMOVAL L.O.W. AREA WITH 20 TON ROLLER FOR SIX PASSES.

POST PRE-LOAD CONSTRUCTION SEQUENCE:

- STEP 1 - INSTALL ALL UNDERGROUND UTILITIES THAT ARE LOCATED WITHIN THE PROPOSED LIMITS OF THE GEOGRID. (SEE TENSAR REPAIR NOTE SHEET MD-1)
- STEP 2 - INSTALL THE MIRAFI, STONE FILL, GEOGRID, AND RUN-OF-CRUSH AS SHOWN ON THE DRAWINGS.
- STEP 3 - INSTALL H-PILES AT THE LOCATIONS SPECIFIED. THE GEOGRID AND MIRAFI SHOULD BE CUT AT THESE LOCATIONS PRIOR TO PILE INSTALLATION.
- STEP 4 - CONSTRUCT CONCRETE PADS AND FOOTINGS AND PAVE ACCESS ROADS AS REQUIRED.

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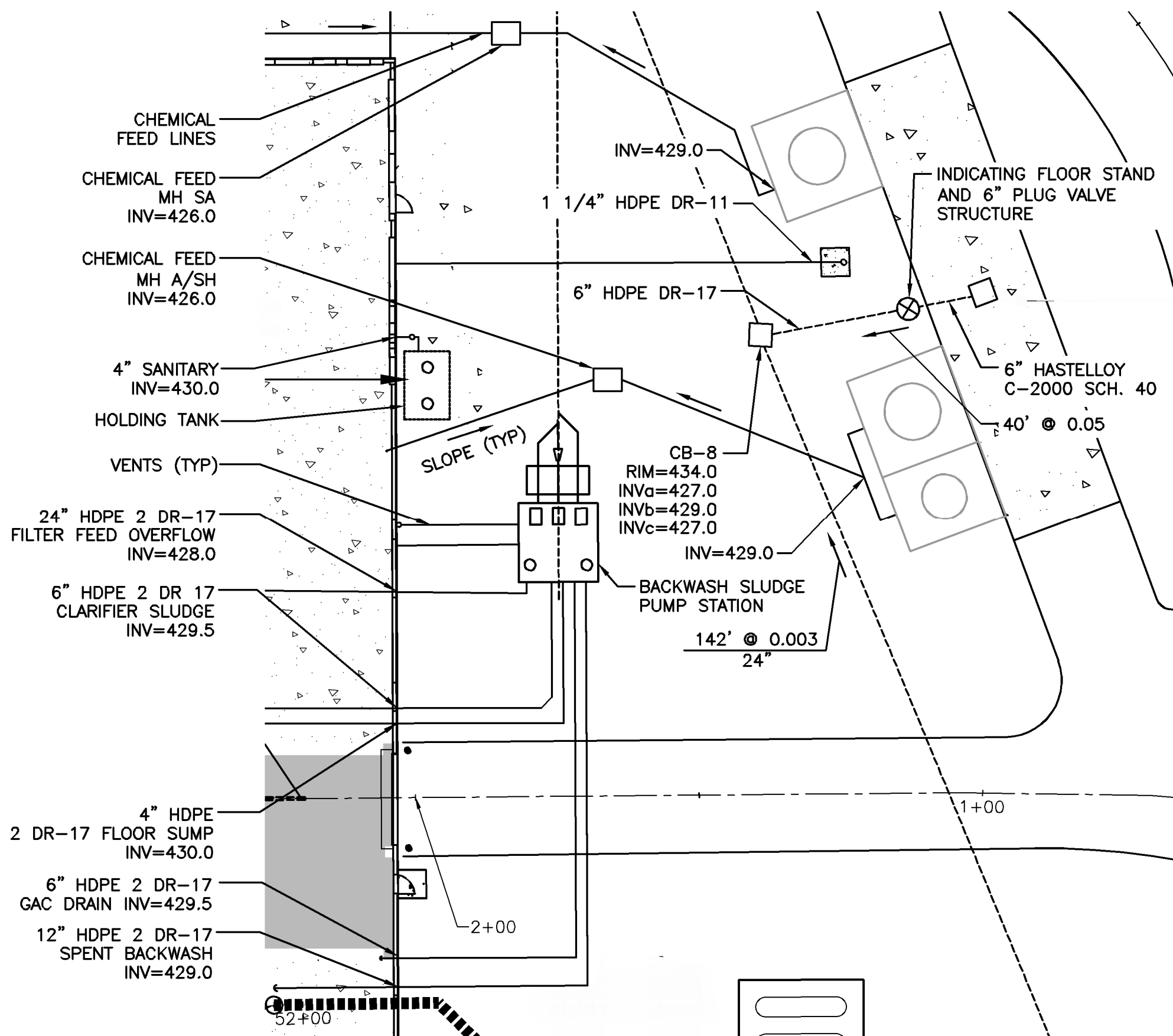


UTILITY PENETRATION IN WTP

1 N: 1120007.0381 E: 907951.3437	18 N: 1120090.5260 E: 908102.7556
2 N: 1120067.4269 E: 907994.0153	19 N: 1120048.6813 E: 908096.2668
3 N: 1120068.0142 E: 907994.4818	20 N: 1120046.7976 E: 908121.5582
4 N: 1120068.6015 E: 907994.9483	21 N: 1120045.1362 E: 908123.6498
5 N: 1120069.1887 E: 907995.4148	22 N: 1120035.9826 E: 908169.1958
6 N: 1120069.7760 E: 907995.8812	23 N: 1120018.1077 E: 908161.6060
7 N: 1120070.3633 E: 907996.3477	24 N: 1120016.2418 E: 908163.9551
8 N: 1120079.0025 E: 908004.9733	25 N: 1120111.2749 E: 908026.4489
9 N: 1120080.8076 E: 908006.4522	26 N: 1120058.8536 E: 907886.2702
10 N: 1120082.5997 E: 908007.9475	27 N: 1120129.9808 E: 907940.8128
11 N: 1120094.3212 E: 908098.1107	28 N: 1120131.8046 E: 907942.2483
12 N: 1120093.8548 E: 908098.6980	29 N: 1120133.6297 E: 907943.7021
13 N: 1120093.3883 E: 908099.2853	30 N: 1120146.1531 E: 907953.6917
14 N: 1120092.8051 E: 908099.8862	31 N: 1120160.3977 E: 907965.0241
15 N: 1120092.2353 E: 908100.6036	32 N: 1120208.3297 E: 908003.2014
16 N: 1120091.6655 E: 908101.3209	33 N: 1120106.5738 E: 908085.4324
17 N: 1120091.0958 E: 908102.0382	34 N: 1120023.0485 E: 908190.5888

NORTHING AND EASTING LOCATIONS
ARE APPROXIMATE AND SHALL BE
VERIFIED BY THE CONTRACTOR

(1) DENOTES UTILITY PENETRATION
NUMBER



INSET

SCALE: 1"=20'

PLAN

SCALE: 1"=40'

PLANTING NOTES

SPECIAL PLANTINGS ALONG EFFLUENT PIPELINE ROUTE:

- IN AREAS WHERE SALT MARSH GRASS, LEPTOCHLOA FUSCA SUBSP. FASCICULARIS, OR ANNUAL SALT MARSH ASTER, SYMPHYOTRICHUM SUBULATUM, IS PRESENT AND EXCAVATION OR DISTURBANCE IS TO OCCUR, TOPSOIL TO APPROXIMATELY 4" DEPTH SHALL BE EXCAVATED, STOCKPILED AND SUBSEQUENTLY REPLACED.
- FOLLOWING SOIL REPLACEMENT, THESE AREAS SHALL BE SEEDED WITH 0.5 POUNDS PER ACRE OF SEEDS FROM THE IMPACTED SPECIES ALONG WITH THE ACCOMPANYING SPECIES IN TABLE 1 AND APPROXIMATELY ONE TON PER ACRE OF STRAW MULCH.
- SEEDS OF IMPACTED SPECIES SHALL BE COLLECTED AS NEEDED FROM OTHER POPULATIONS ON HONEYWELL PROPERTY. AN O'BRIEN & GERE REPRESENTATIVE SHALL ASSIST IN SEED COLLECTION EFFORTS, SHOULD THEY BE NECESSARY.
- SEEDS SHALL BE COLLECTED WHEN RIPE, I.E., WHEN THE SEED FALLS READILY FROM THE STEM. SEED MAY COLLECTED, AIR-DRIED AT ROOM TEMPERATURE FOR TWO WEEKS AND STORED AT FOURTY DEGREES FARENHEIGHT FOR UP TO EIGHT MONTHS PRIOR TO BROADCASTING.
- SEED SHALL BE APPLIED ANY TIME EXCEPT DURING THE MONTHS OF SEPTEMBER AND OCTOBER

FOR WETLAND AREAS WITHOUT RTE SPECIES:

- AREAS SHALL BE SEEDED WITH "FLOODPLAIN WILDLIFE MIX: ERNMX-154" FROM ERNST CONSERVATION SEEDS, OR EQUIVALENT AT A RATE OF 35 LBS. PER ACRE. AREAS SHALL THEN BE MULCHED WITH HAY AT A RATE OF 1 TON PER ACRE

TABLE 1: SEED MIX TO BE BROADCAST ALONG WITH SEEDS
OF IMPACTED SPECIES.

COMMON NAME (LATIN NAME)	POUNDS PER ACRE
ALKALIGRASS (PUCCINELLIA DISTANS)	10
CREEPING BENTGRASS (ARGOSTIS STOLONIFERA)	10
ANNUAL RYE (LOLIUM MULTIFORUM)	10
TOTAL	30

CHEMICAL LINE NOTES:

- CHEMICAL LINES INTO AND OUT OF MH SA (SULFURIC ACID) INCLUDE 6-1" LINES EACH CONTAINED IN 2" CONTAINMENT PIPE.
- CHEMICAL LINES INTO AND OUT OF MH A/SH (ALUM/SODIUM HYDROXIDE) INCLUDE 5-1" LINES EACH INSIDE 4" PVC FOR SODIUM HYDROXIDE AND 3-1" LINES EACH INSIDE 2" PVC FOR ALUM. SEE DETAIL SHEET MD-4

LEGEND

- PROPOSED EFFLUENT PIPELINE (EF)
- EFMH ○ PROPOSED EFFLUENT LINE MANHOLE
- PROPOSED ANCHOR BLOCK
- PROPOSED CATCH BASIN
- 18" 145' @ 0.0035" PROPOSED STORM PIPE, SIZE, LENGTH & SLOPE
- PROPOSED POINT OF CONNECTION BY OTHERS
- PROPOSED BITUMINOUS CONCRETE PAVEMENT
- PROPOSED CONCRETE PAD
- PROPOSED HEAVY DUTY GRAVEL PAVEMENT
- LOW LIMIT OF WORK
- (9) NORTHING & EASTING FOR INTERIOR UTILITY PENETRATION WTP

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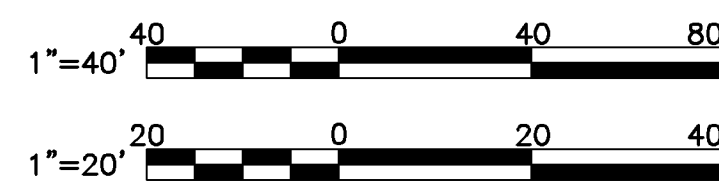
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GENERAL NOTE:

- ALL PIPELINES SHALL BE INSTALLED A MINIMUM OF 5' BELOW FINISHED GRADE UNLESS OTHERWISE INDICATED.
- PROPANE VENDOR SHALL PROVIDE TWO 1000 GALLON CONTAINERS WITH ASSOCIATED SUPPORTS, HIGH PRESSURE REGULATORS, AND PIPING FOR A COMPLETE AND OPERATIONAL SYSTEM. INSTALLATION SHALL INCLUDE PROVISIONS FOR A FUTURE 1000 GALLON CONTAINER. VENDOR SHALL ALSO PROVIDE UNDERGROUND PIPING FROM STORAGE TANKS TO EXTERIOR WALL OF THE WATER TREATMENT PLANT BUILDING ALONG WITH SHUT-OFF VALVE AND LOW PRESSURE REGULATOR (REGULATE THE OUTLET PRESSURE TO 11" W.C. TO 14" W.C.). CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING AND BACKFILLING OF THE TRENCH FOR THE UNDERGROUND PROPANE PIPING. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR INSTALLATION OF ALL PROPANE PIPING DOWNSTREAM OF THE LOW PRESSURE REGULATOR.
- COORDINATE PROPANE TANK INSTALLATION AND BOTTOM TANK ELEVATION WITH OWNER. STORM WATER IN THE AREA CAN POND TO ELEV. 434.0 STORM DRAIN PIPE SHALL BE HDPE, BUTT FUSED DR-17.
- TRENCH DRAIN SHALL BE POLYOTAN BY ABT OR EQUAL WITH EPOXY COATED DUCTILE IRON GRATES RATED FOR H2O LOADING & LOCKING DEVICE. DRAIN SHALL BE INSTALLED IN 4000 PSI CONCRETE TO BOTTOM ASPHALT BINDER COURSE PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL SHEET MD-2
- 20" SHORT TERM INFLUENT & 6" POLYMER MAKE UP SHALL INCLUDE 2-45° BENDS VERTICALLY. THESE LINES SHALL TERMINATE AT PROPOSED GRADE.
- ALL PIPE LINE TERMINATING AT THE LIMIT OF WORK (LOW) SHALL BE CAPPED AND A 2x4 MARKER INSTALLED ON EACH, INDICATING THE LINE SIZE & FUNCTION. NORTHING/EASTING COORDINATES SHALL ALSO BE RECORDED BY THE CONTRACTOR & FORWARDED TO THE ENGINEER.

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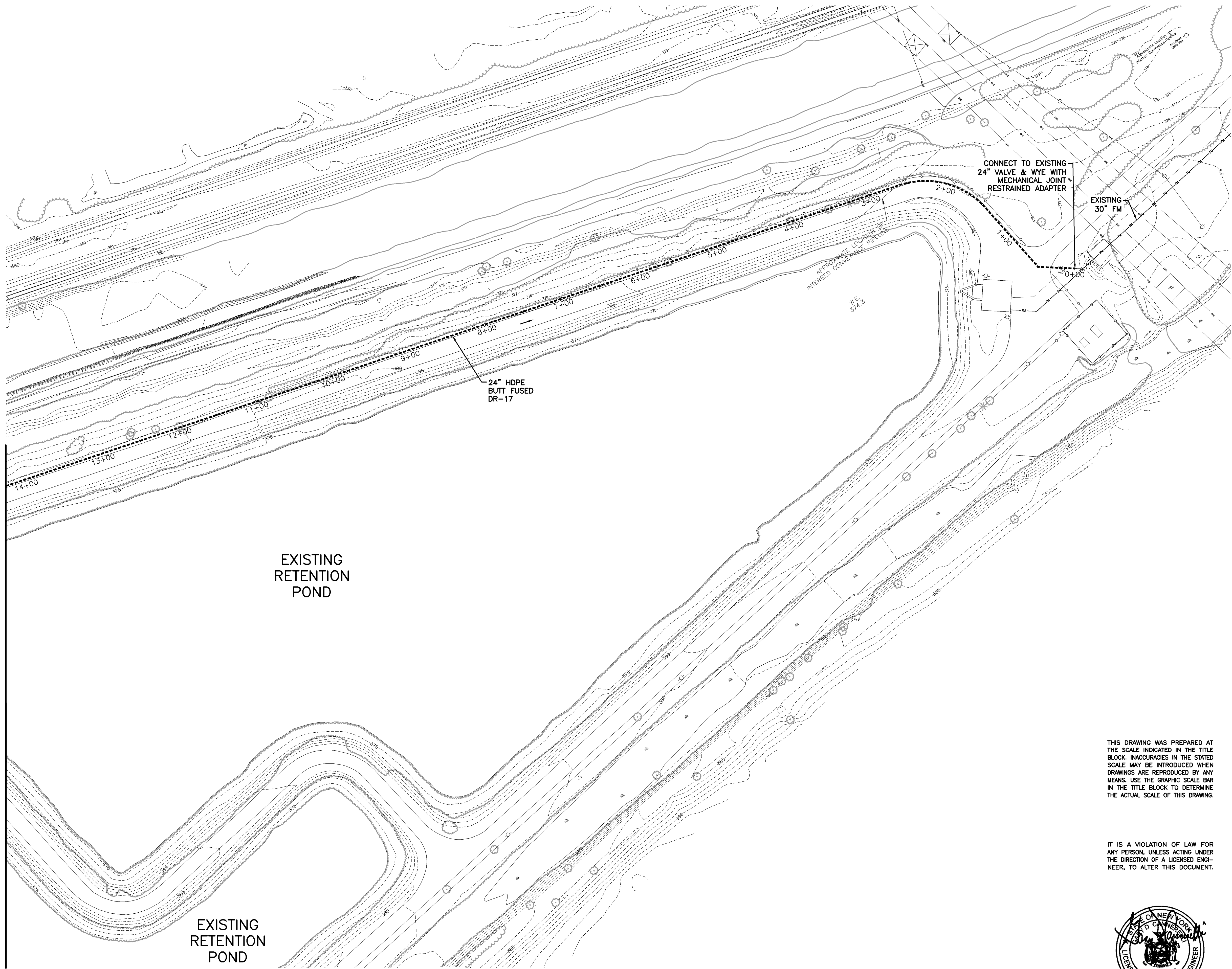
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DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

UTILITY PLAN

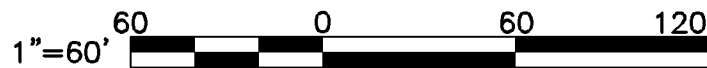
IN CHARGE OF M.E. REWKOWSKI	FILE NO. 1163.45613-U1	U-1
DESIGNED BY MER CHECKED BY RGD	DATE OCT. 26, 2010	
DRAWN BY SLJ/DOK		

MATCH LINE - SEE SHEET U-3



- NOTES:
- SEE SHEETS U-6 & U-7 FOR EFFLUENT PIPELINE PROFILES, RIM AND INVERT ELEVATIONS.

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TOWN OF CAMILLUS, NEW YORK

EFFLUENT PIPELINE PLAN
STA. 0+00 TO STA. 14+25

IN CHARGE OF M.E. REWKOWSKI
DESIGNED BY MER CHECKED BY RGD
DRAWN BY SLJ/DOK

FILE NO.
1163.45613-U2
DATE
OCT. 26, 2010

U-2

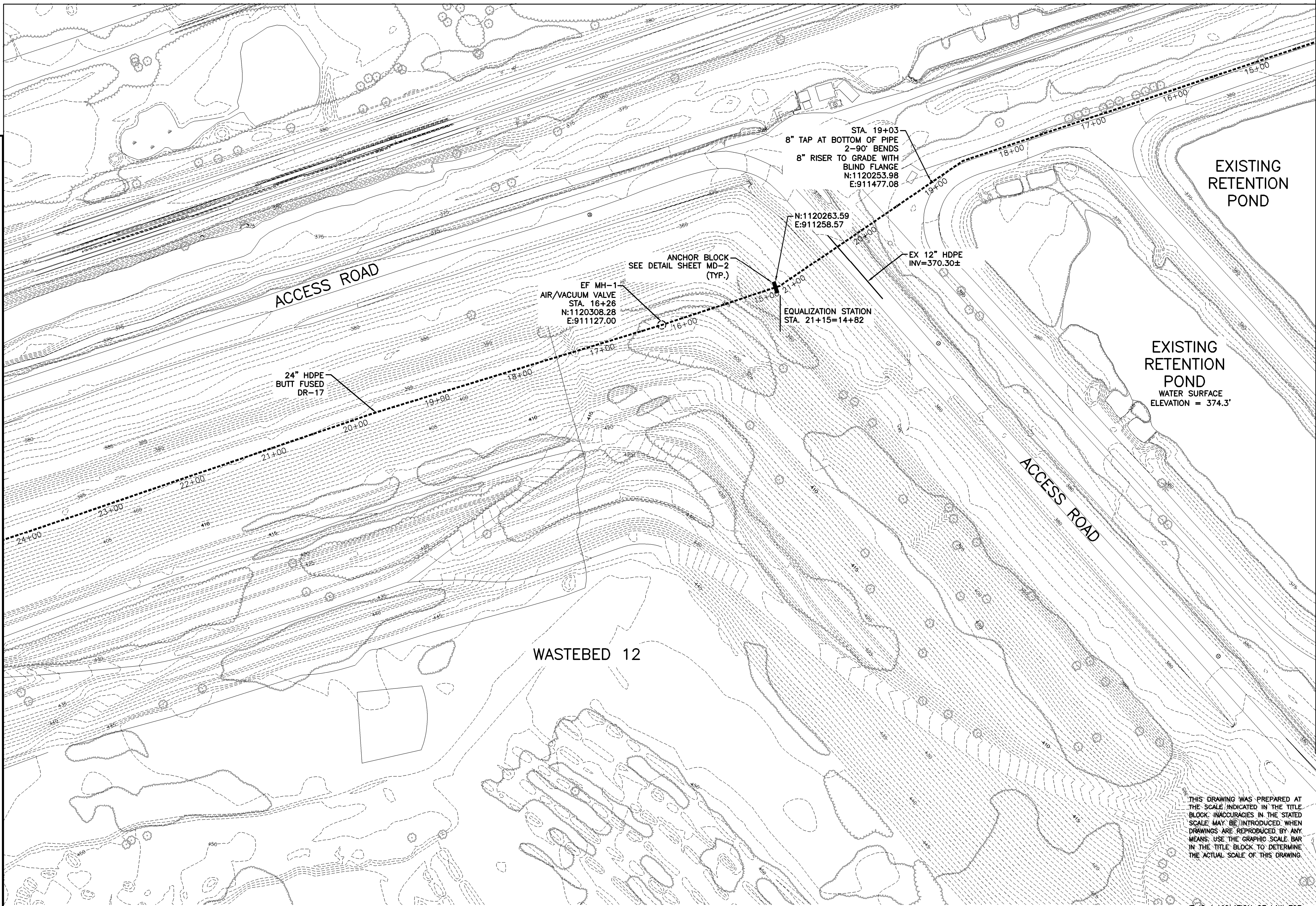


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PLAN
SCALE: 1"=60'

MATCH LINE - SEE SHEET U-4



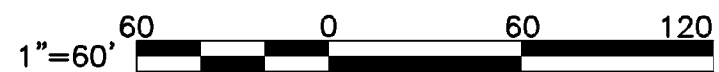
PLAN
SCALE: 1"=60'



NOTE:

1. SEE SHEETS U-6 & U-7 FOR EFFLUENT PIPELINE PROFILES, RIM AND INVERT ELEVATIONS.

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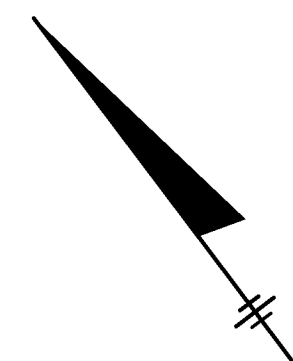
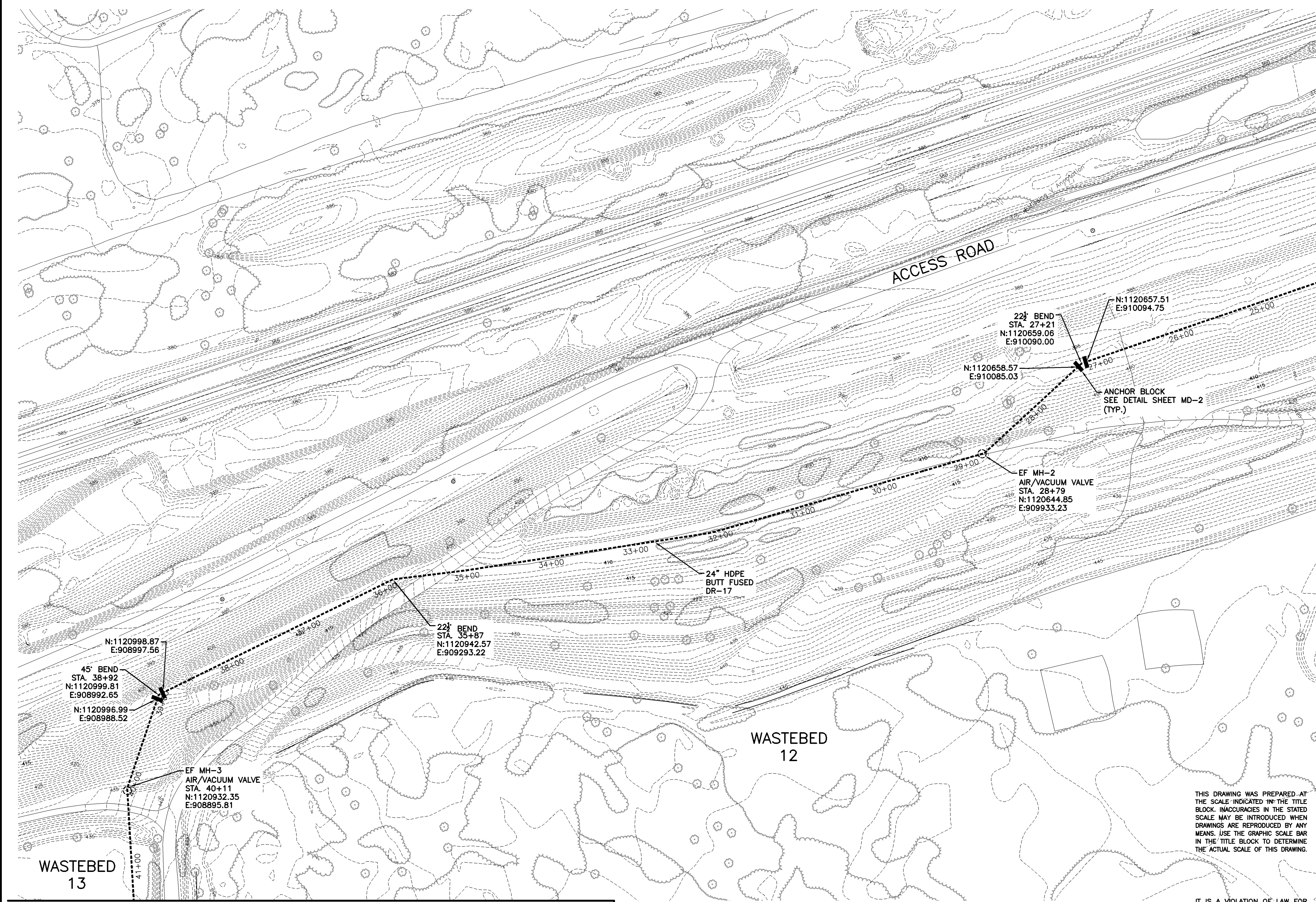
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WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

EFFLUENT PIPELINE PLAN
STA. 14+25 TO STA. 24+29

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-U3
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010

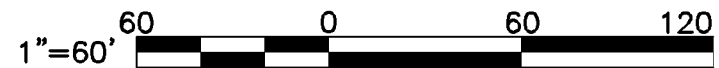
U-3



NOTE:

1. SEE SHEETS U-6 & U-7 FOR EFFLUENT PIPELINE PROFILES, RIM AND INVERT ELEVATIONS.

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WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

EFFLUENT PIPELINE PLAN
STA. 24+29 TO STA. 41+40

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-U4
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010

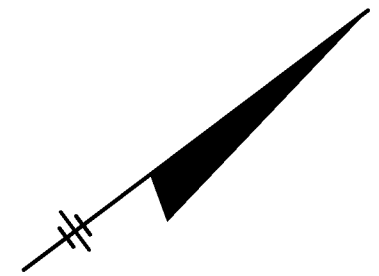
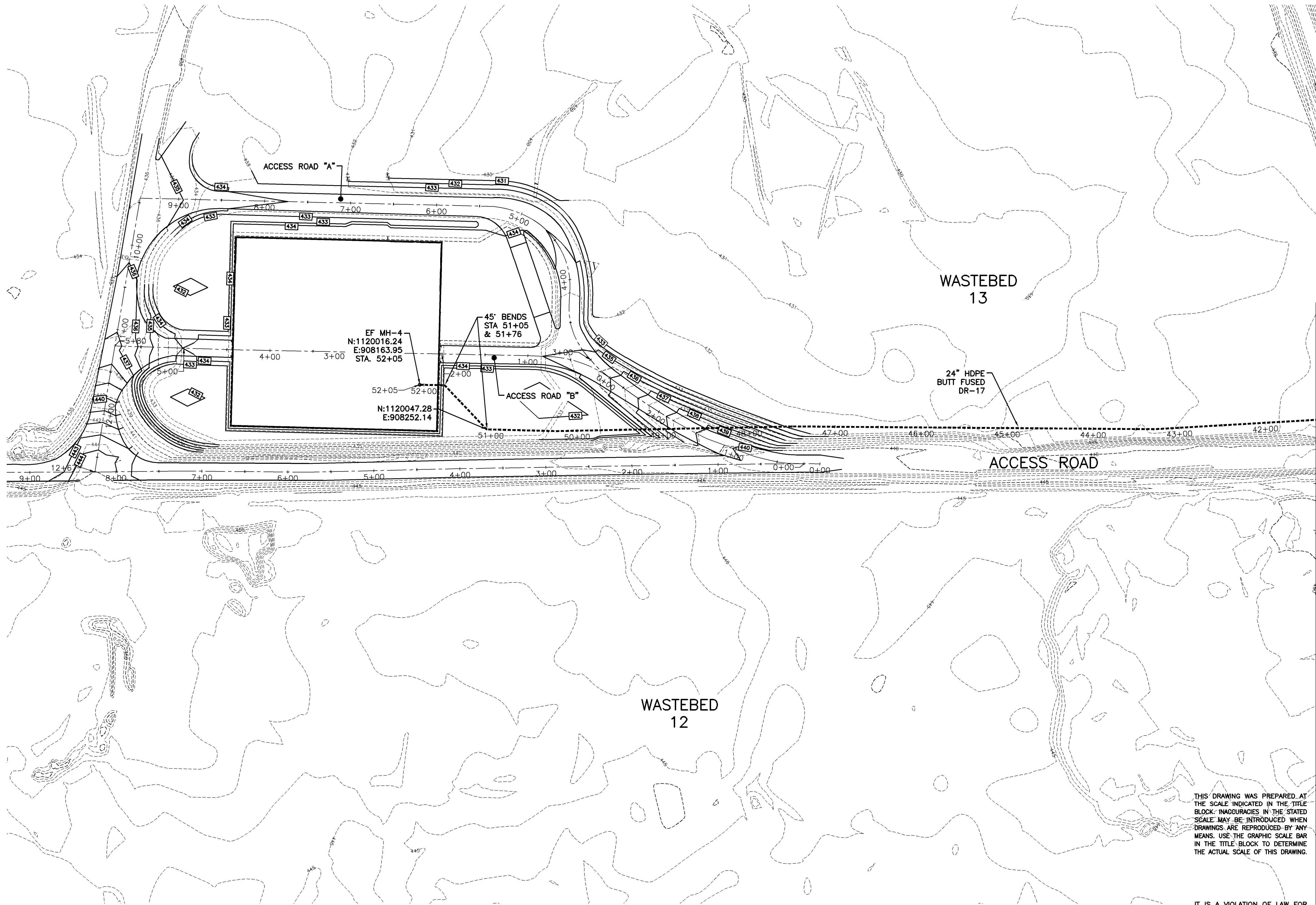
U-4



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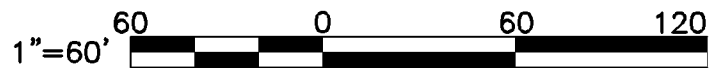
PLAN
SCALE: 1"=60'



- NOTE:
- 1. SEE SHEETS U-6 & U-7 FOR EFFLUENT PIPELINE PROFILES, RIM AND INVERT ELEVATIONS.

MATCH LINE - SEE SHEET U-4

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TOWN OF CAMILLUS, NEW YORK

EFFLUENT PIPELINE PLAN
STA. 41+40 TO STA. 51+91

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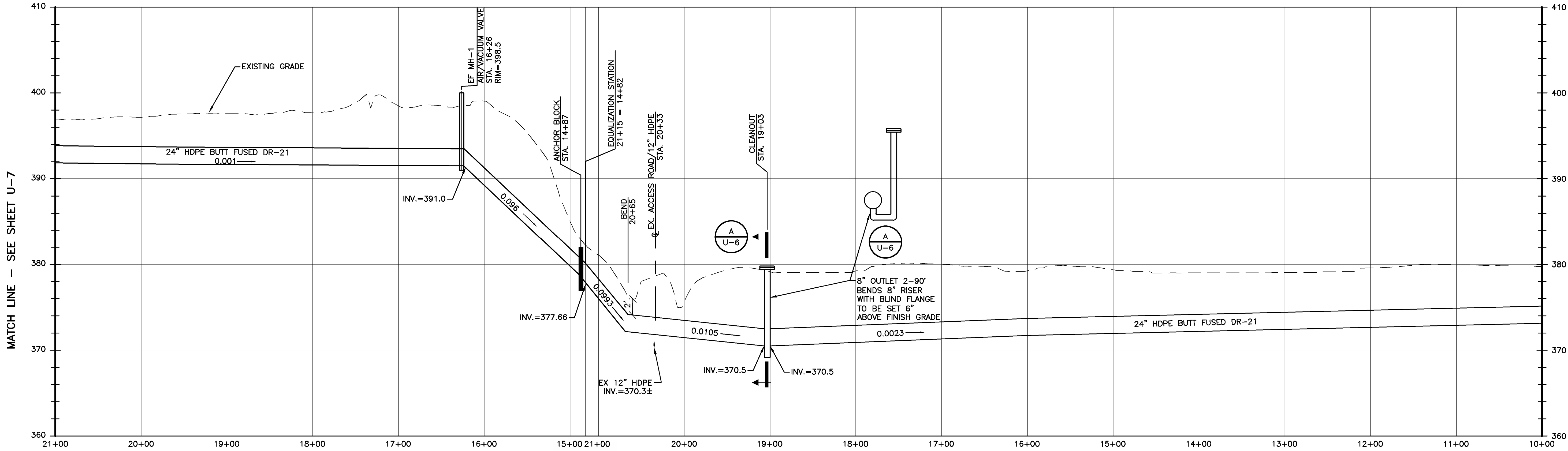
U-5



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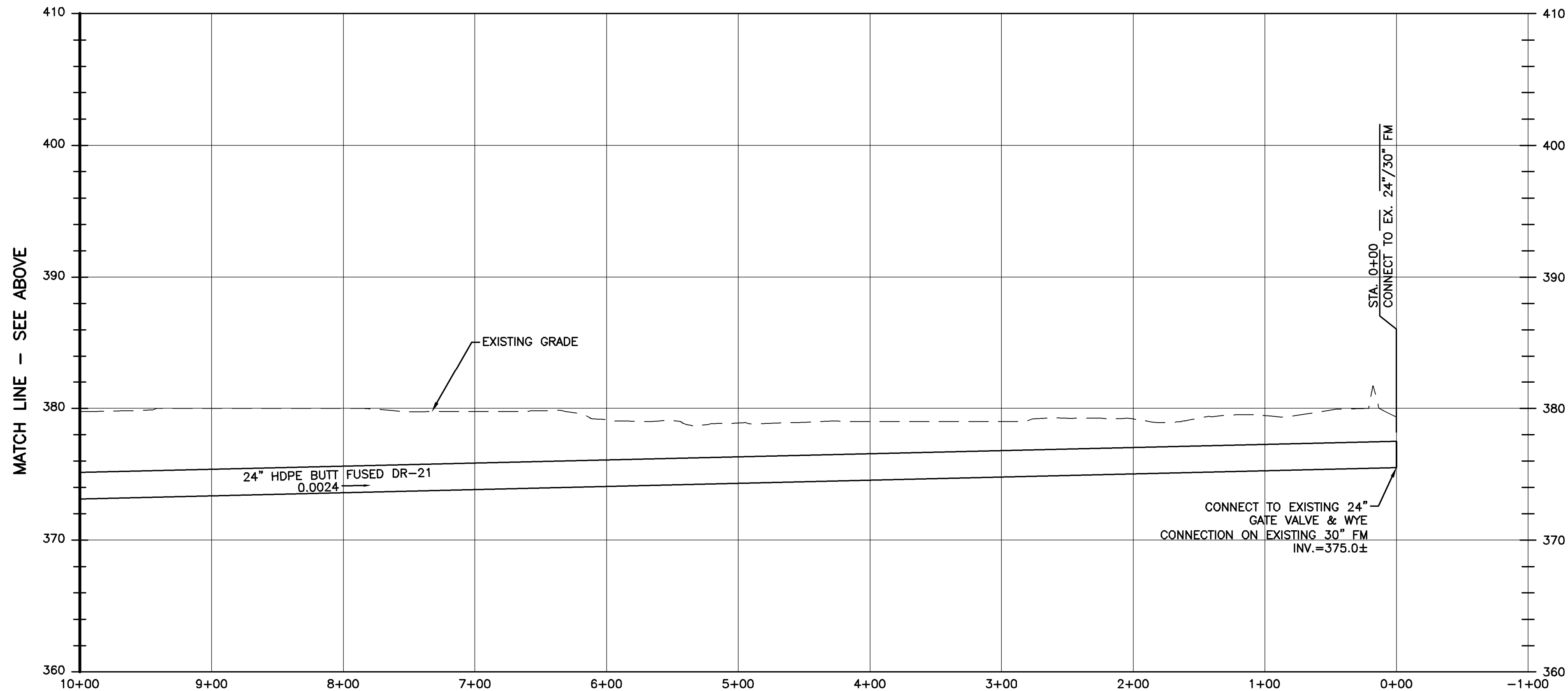
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PLAN
SCALE: 1"=60'



EFFLUENT PIPELINE PROFILE

SCALE: HORIZ. 1"=60'
VERT. 1"=6'



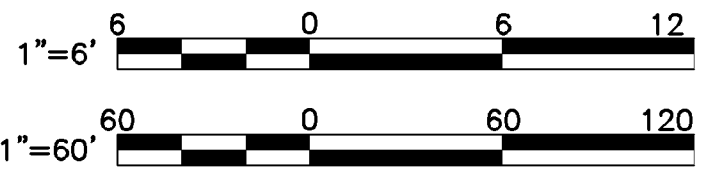
EFFLUENT PIPELINE PROFILE

SCALE: HORIZ. 1"=60'
VERT. 1"=6'

NOTES:

- AIR/VACUUM VALVES TO BE CRISPIN MODEL S81AB OR EQUAL OPERATIONS PRESSURE 2 TO 40 PSI.
- CONTRACTOR TO VERIFY INVERT AT POINT OF CONNECTION AT STATION 0+00. PROVIDE CONSISTENT SLOPE FROM STATION 0+00 TO STATION 19+00.

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TOWN OF CAMILLUS, NEW YORK

EFFLUENT PIPELINE PROFILE
STA. 0+00 TO 21+00

IN CHARGE OF M.E. REWKOWSKI
DESIGNED BY MER CHECKED BY RGD
DRAWN BY SLJ/DOK

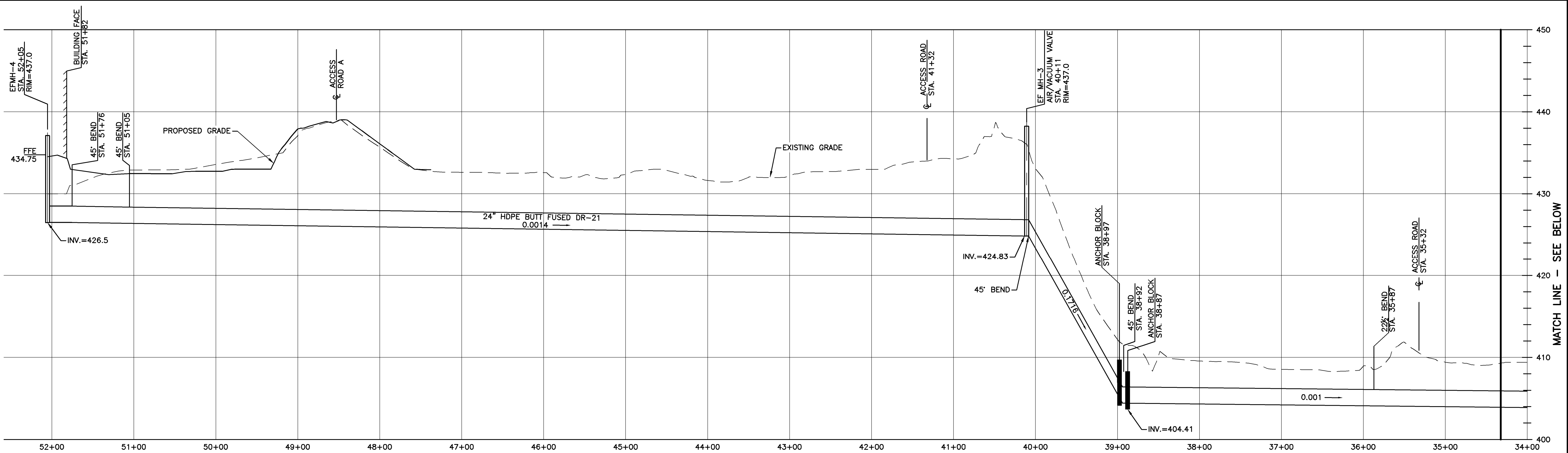
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DATE
OCT. 26, 2010

U-6



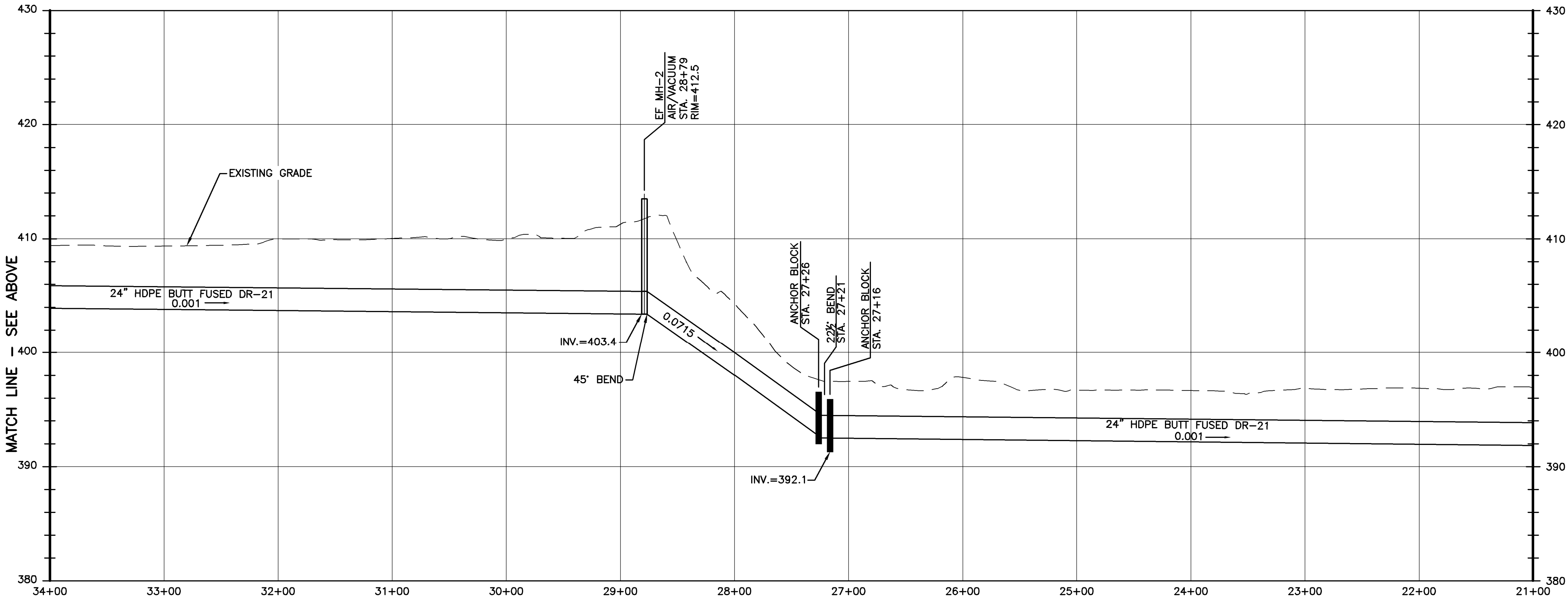
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EFFLUENT PIPELINE PROFILE

SCALE: HORIZ. 1"=60'
VERT. 1"=6'



EFFLUENT PIPELINE PROFILE

SCALE: HORIZ. 1"=60'
VERT. 1"=6'

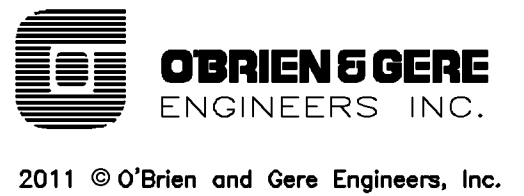
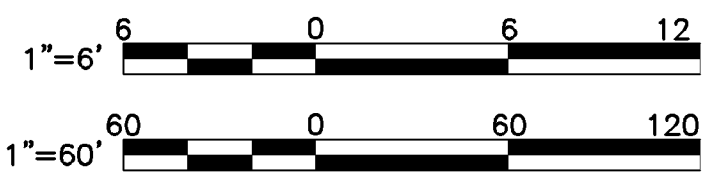
MATCH LINE - SEE SHEET U-6

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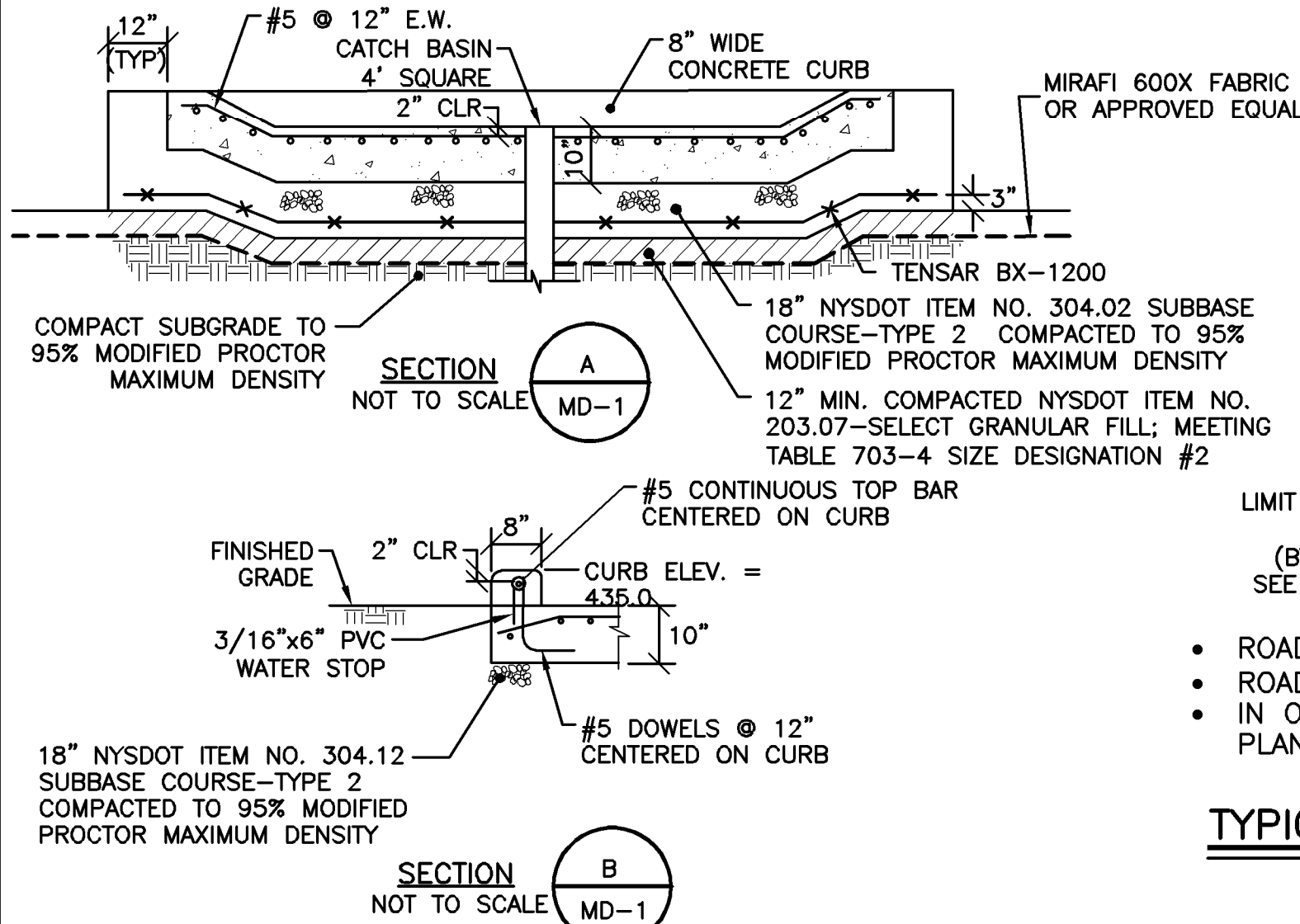
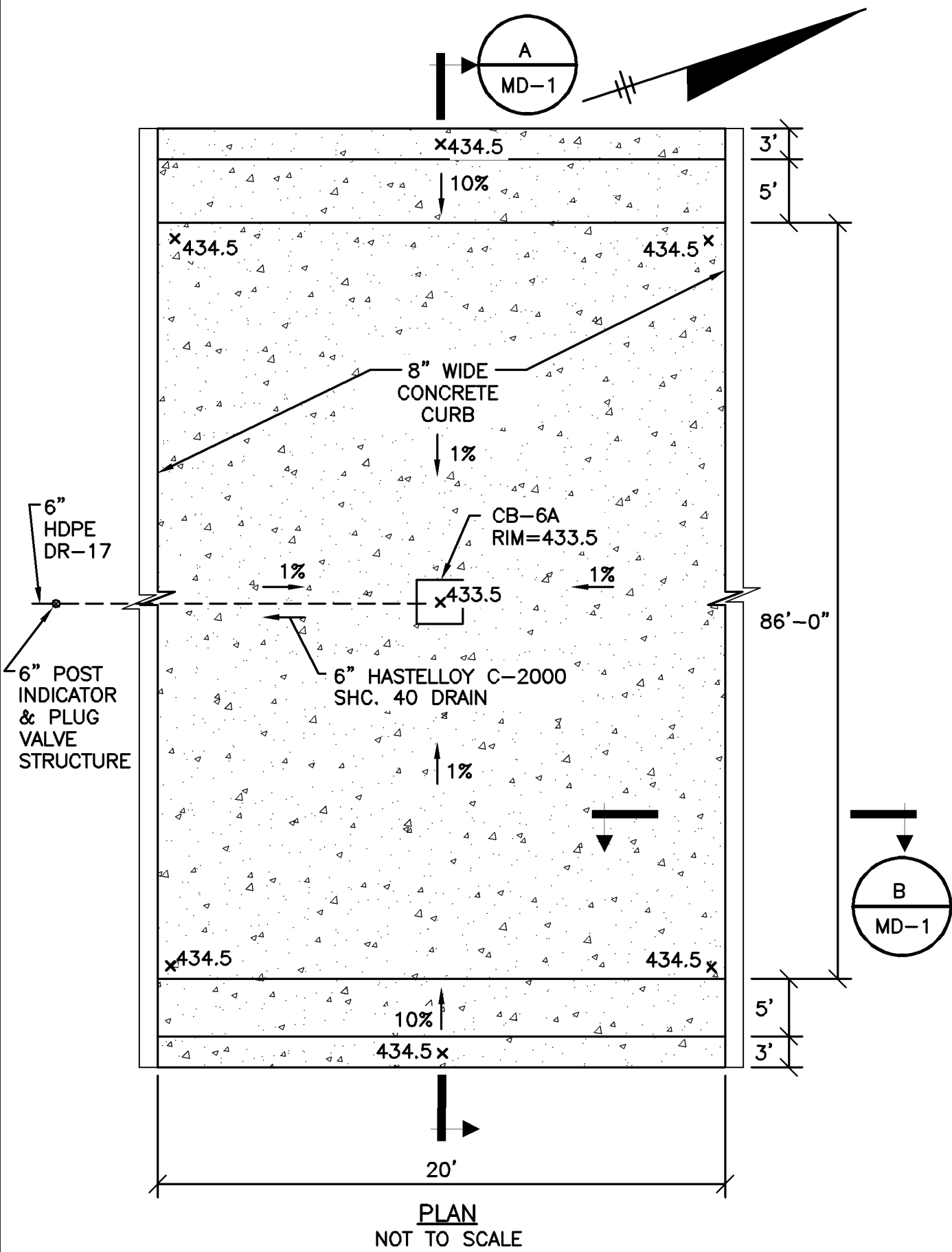
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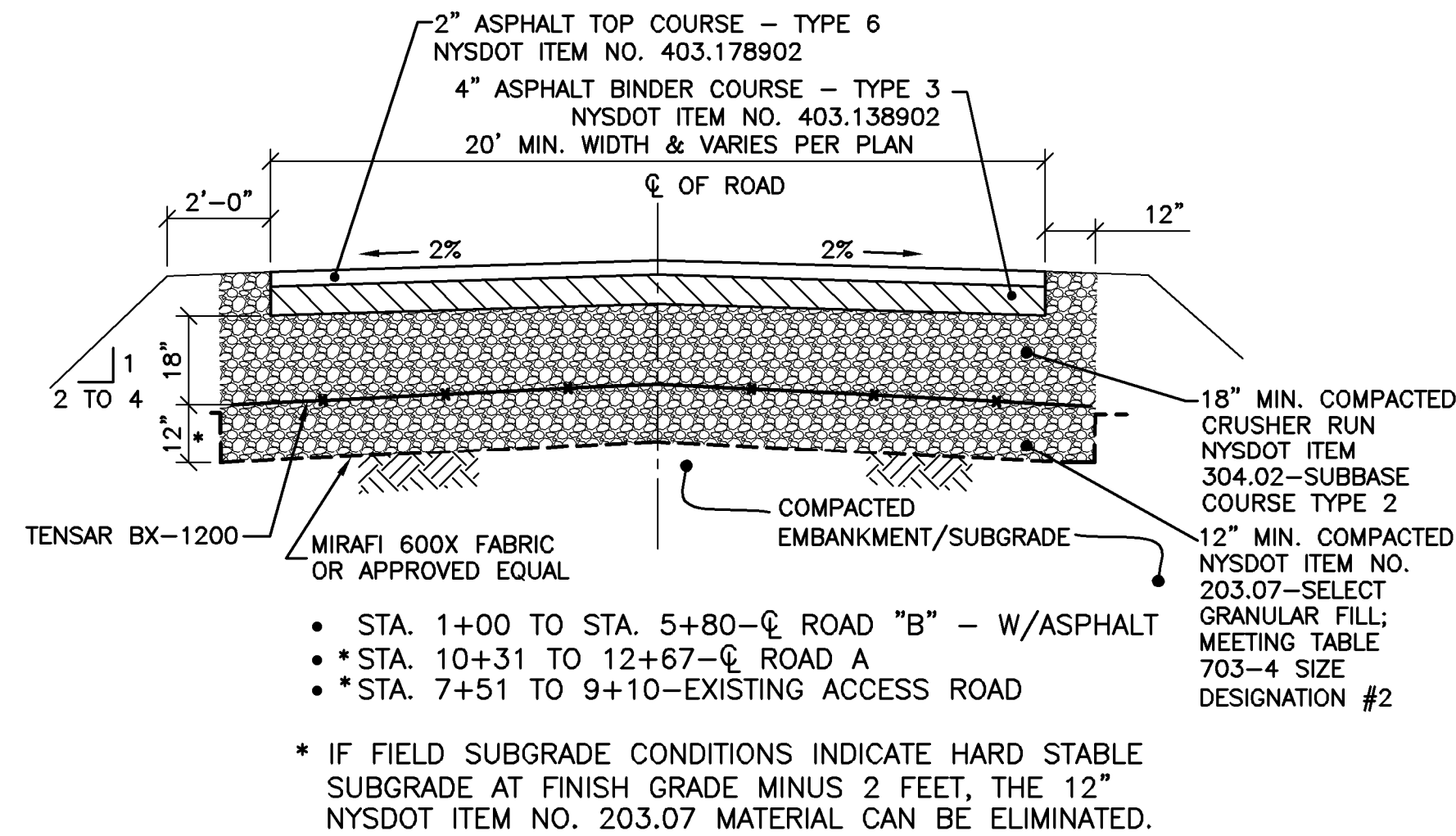
EFFLUENT PIPELINE PROFILE
STA. 21+00 TO STA. 51+91

IN CHARGE OF <u>M.E. REWKOWSKI</u>	FILE NO. 1163.45613-U7	U-7
DESIGNED BY <u>MER</u> CHECKED BY <u>RGD</u>	DATE OCT. 26, 2010	
DRAWN BY <u>SLJ/DOK</u>		



- NOTES:**
- CONCRETE SHALL BE 4500 P.S.I. (MIN.) COMPRESSIVE STRENGTH, AIR ENTRAINED.
 - CONCRETE SURFACE SHALL BE FLOAT FINISHED.
 - MAX SPACING BETWEEN CONTRACTION JOINTS SHALL BE 25'. SEE STRUCTURAL DRAWINGS FOR JOINT DETAILS.
 - PROVIDE SURFACE COATING BY TNEPEC CO. INC. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION AND APPLICATION. APPLY COATING TO CONTAINMENT AREA INTERIOR AND INTERIOR OF CB-8A. THE TNEPEC COMPANY COATING SYSTEM FOR HORIZONTAL AND VERTICAL CONCRETE SURFACES SHALL CONSIST OF THE FOLLOWING:
 - SURFACE FILLER: TNEPEC SERIES 218 MORTAR CLAD.
 - PRIMER COAT: 4.0 TO 12.0 MILS DFT, TNEPEC SERIES 201 EPOXYLINE.
 - SECOND COAT: 6.0 TO 12.0 MILS DFT, TNEPEC SERIES 239SC CHEMTREAD.
 - THIRD COAT: 60.0 TO 80.0 MILS DFT, TNEPEC SERIES 239SC CHEMTREAD WITH EMBEDDED PART D FIBERGLASS MAT.
 - FOURTH COAT: 8.0 TO 12.0 MILS DFT, TNEPEC SERIES 282 TNEPEC-GLAZE WITH ROLLED ON GRIT ANTI-SKID SURFACE FINISH. ADD SELECTED GRIT TO CREATE NON-SKID SURFACE IN AREAS EXPECTED TO RECEIVE VEHICULAR OR FOOT TRAFFIC.

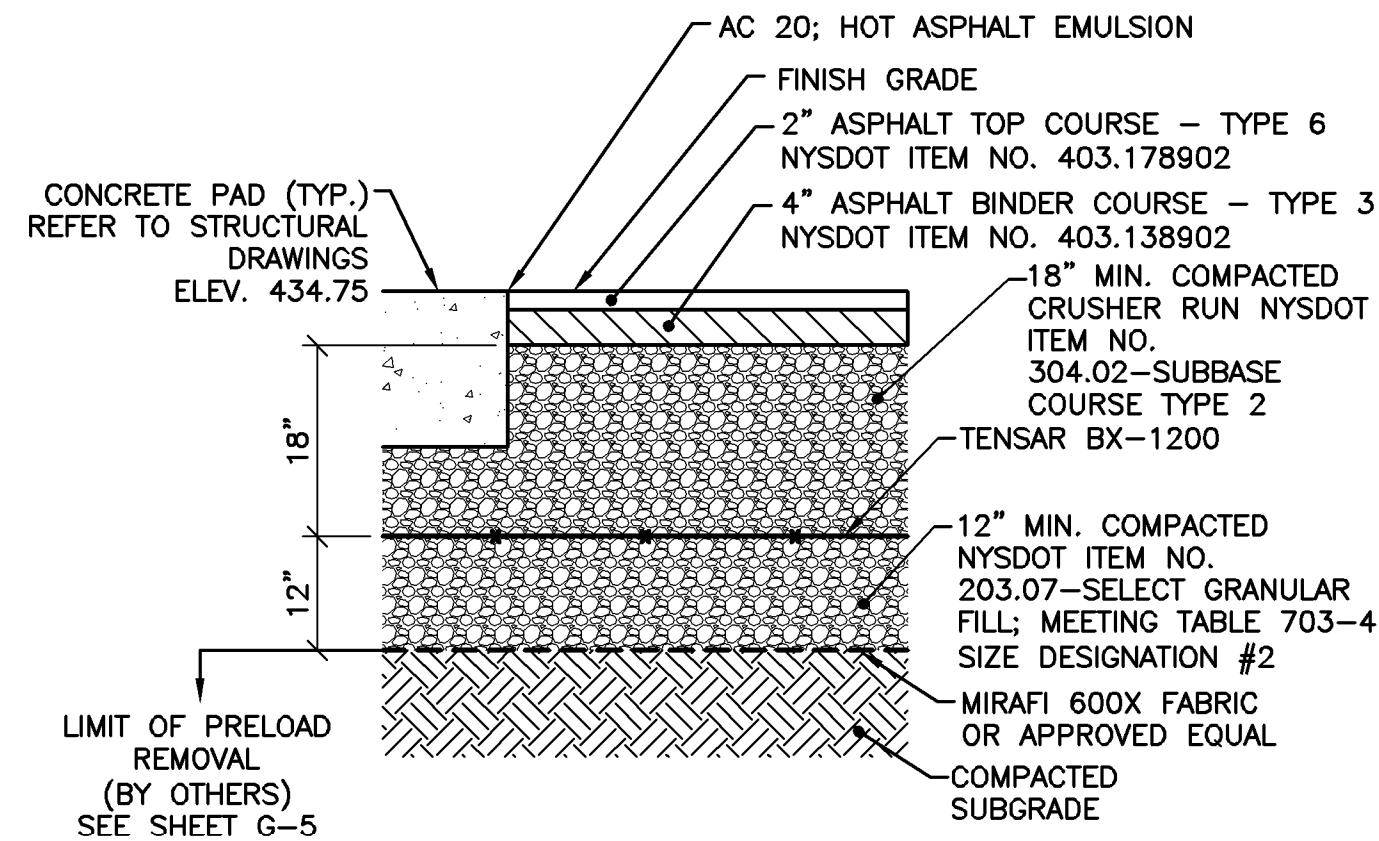
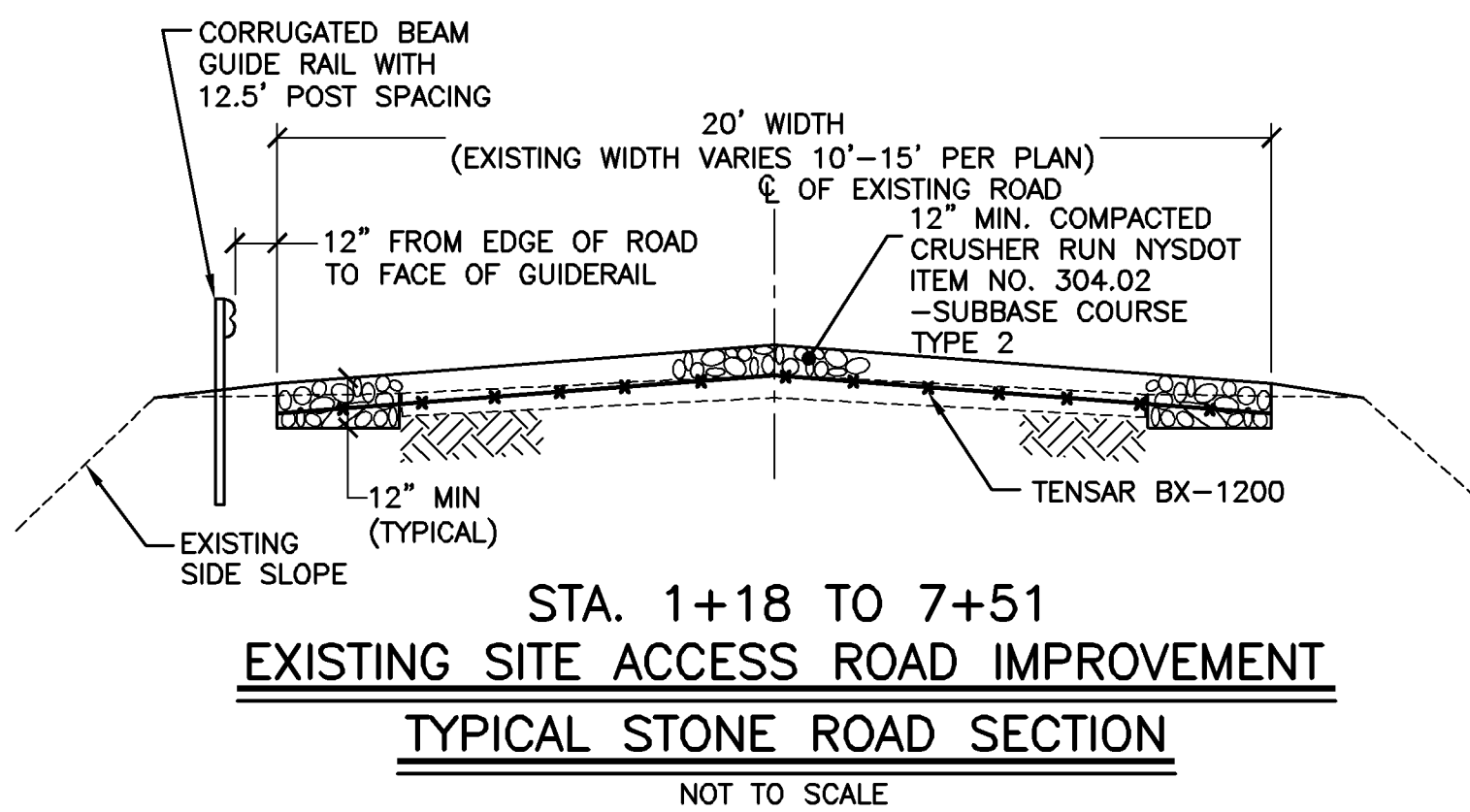
**CHEMICAL UNLOADING AREA
CONCRETE PAVEMENT DETAIL**
NOT TO SCALE



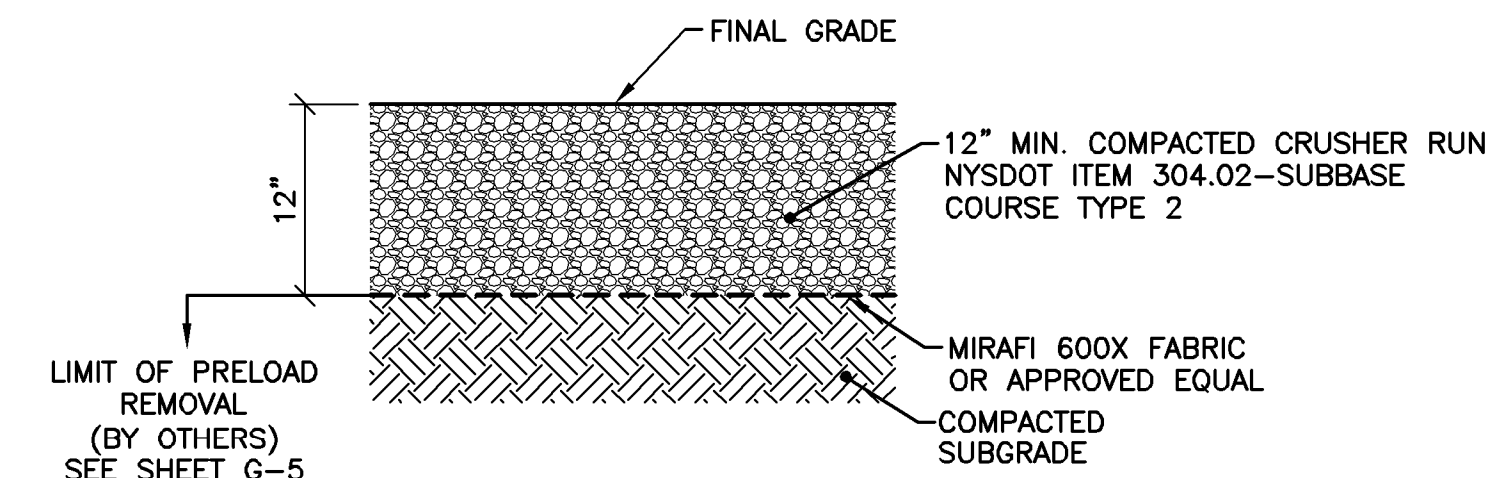
TYPICAL ASPHALT ACCESS ROAD & PARKING SECTION
NOT TO SCALE

- ROAD "A" - ϕ STA. 0+00 TO STA. 10+31 AND OTHER LIMITS SHOWN
- ROAD "B" - ϕ STA. 0+00 TO STA. 1+00.
- IN OTHER AREAS - OUTSIDE BUILDING FOOTPRINT WHERE SHOWN ON PLAN SHEETS.

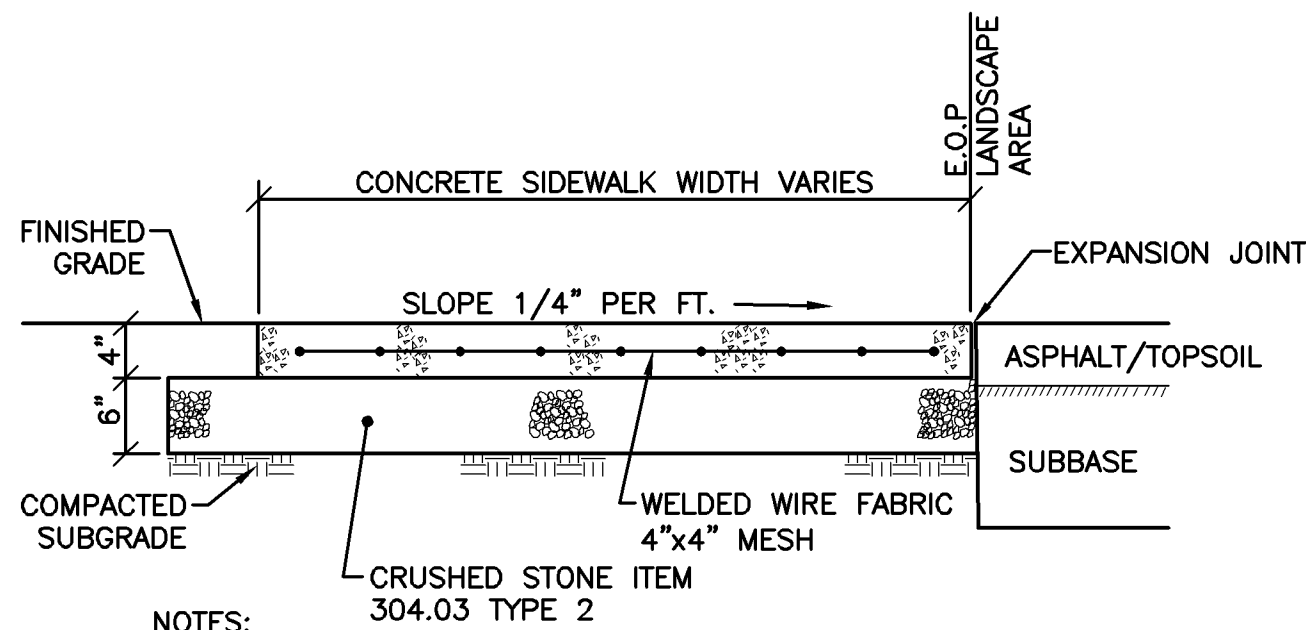
**TYPICAL SECTION-HEAVY DUTY GRAVEL PAVEMENT:
OUTSIDE BUILDING FOOTPRINT**
NOT TO SCALE



**TYPICAL SECTION-ASPHALT PAVEMENT
IN WTP BUILDING AREAS**
NOT TO SCALE



**TYPICAL SECTION-LIGHT DUTY GRAVEL PAVEMENT:
OUTSIDE BUILDING FOOTPRINT**
NOT TO SCALE



- NOTES:**
- CONCRETE SHALL BE 4000 P.S.I. (MIN.) AIR ENTRAINED CONCRETE.
 - FULL DEPTH EXPANSION JOINTS SHALL BE PROVIDED EVERY 25', MARKED JOINTS SHALL BE AT 5' SPACING AND FORMED BY A GROOVING TOOL.
 - ALL EXPANSION JOINTS SHALL BE FILLED WITH BITUMINOUS FILLER MATERIAL.
 - CONCRETE SURFACE SHALL BE BROOM FINISHED PERPENDICULAR TO THE DIRECTION OF TRAVEL.
 - NYSDOT SPECIFICATIONS SECTION 608 SHALL APPLY OR APPROVED EQUAL.

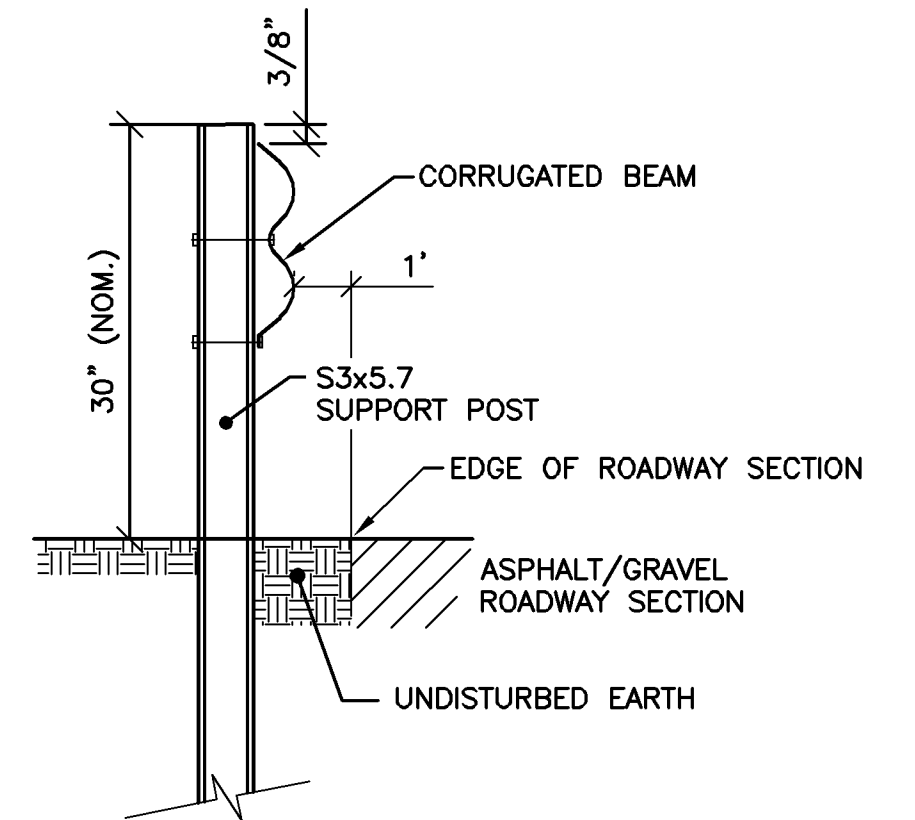
TYPICAL SIDEWALK DETAIL
NOT TO SCALE

TENSAR REPAIR NOTE:

- IN AREAS WHERE THE TENSAR BX-1200 GEOGRID IS CUT TO INSTALL UNDERGROUND FACILITIES TENSAR BX-1200 SHALL BE REPLACED BY REMOVING FILL OVER THE TENSAR AND BRIDGING THE REMOVED AREA/CUT AREA BY A MINIMUM OF 2 FEET IN EACH DIRECTION. NEW SUBBASE MATERIAL SHALL BE INSTALLED TO THE RESPECTIVE SECTION LOCATION THICKNESS AND COMPACTED.

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GUIDE RAIL DETAIL
NOT TO SCALE

- EX. ACCESS ROAD ϕ STA. 1+28 TO ROAD "A" ϕ STA. 11+66
- ROAD "A" ϕ STA. 11+91 TO EX. ACCESS ROAD ϕ STA. 9+23

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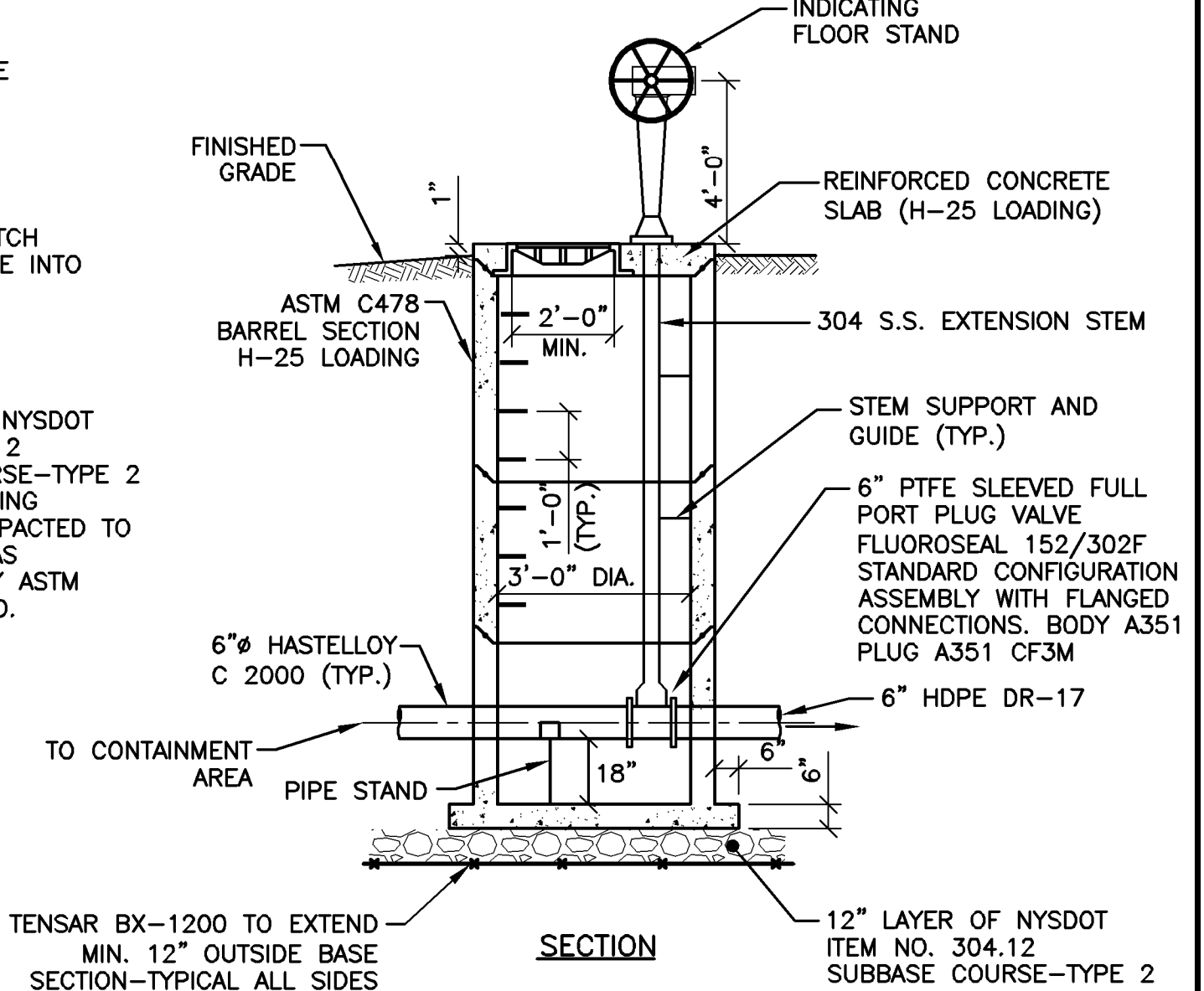
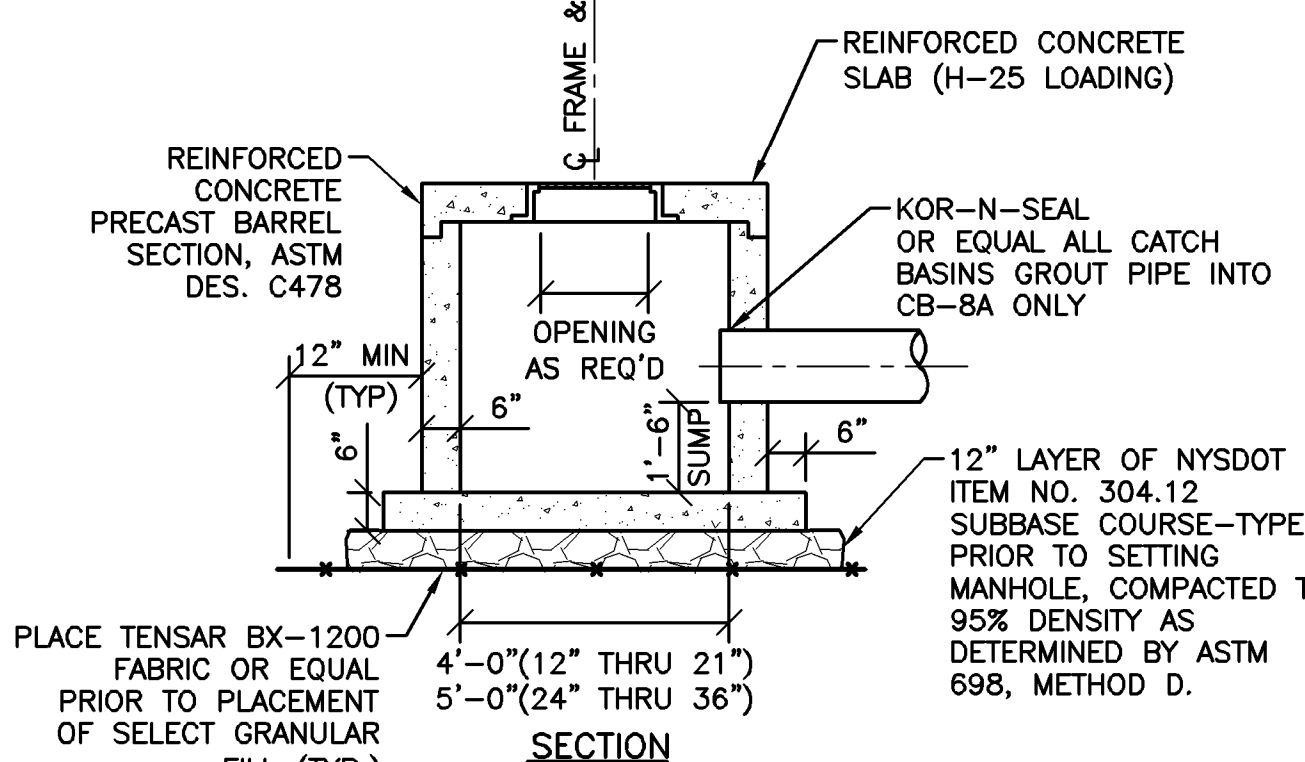
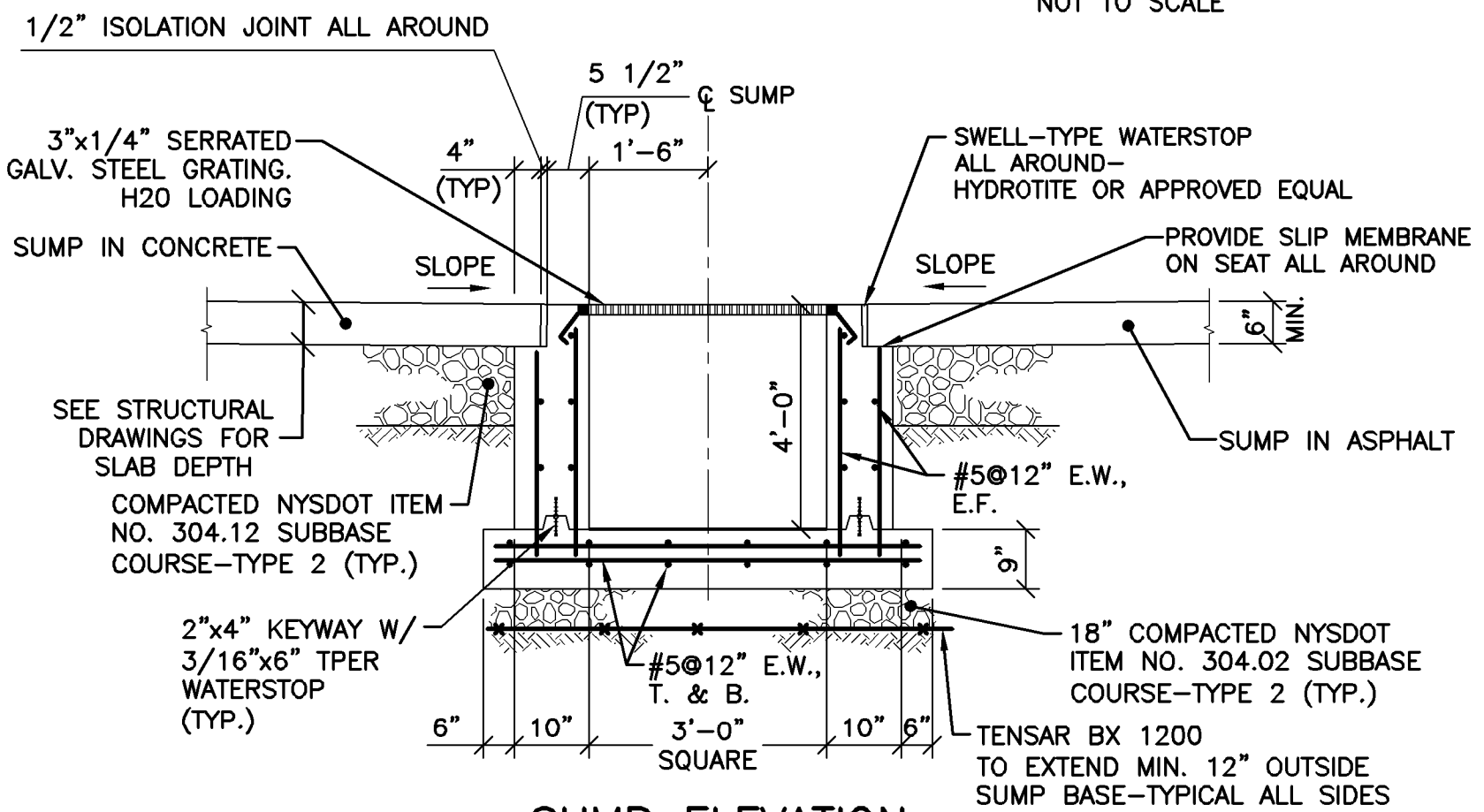
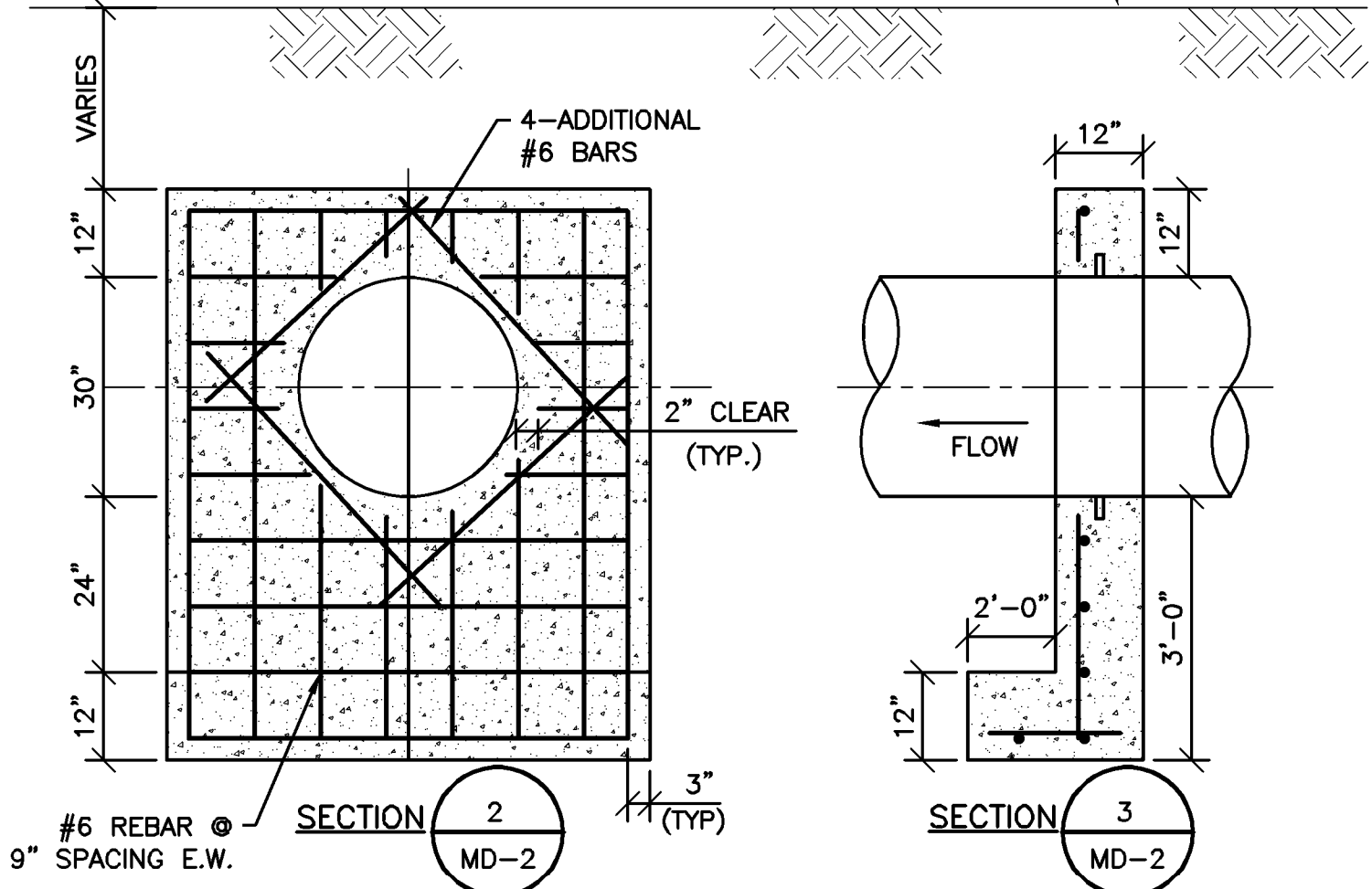
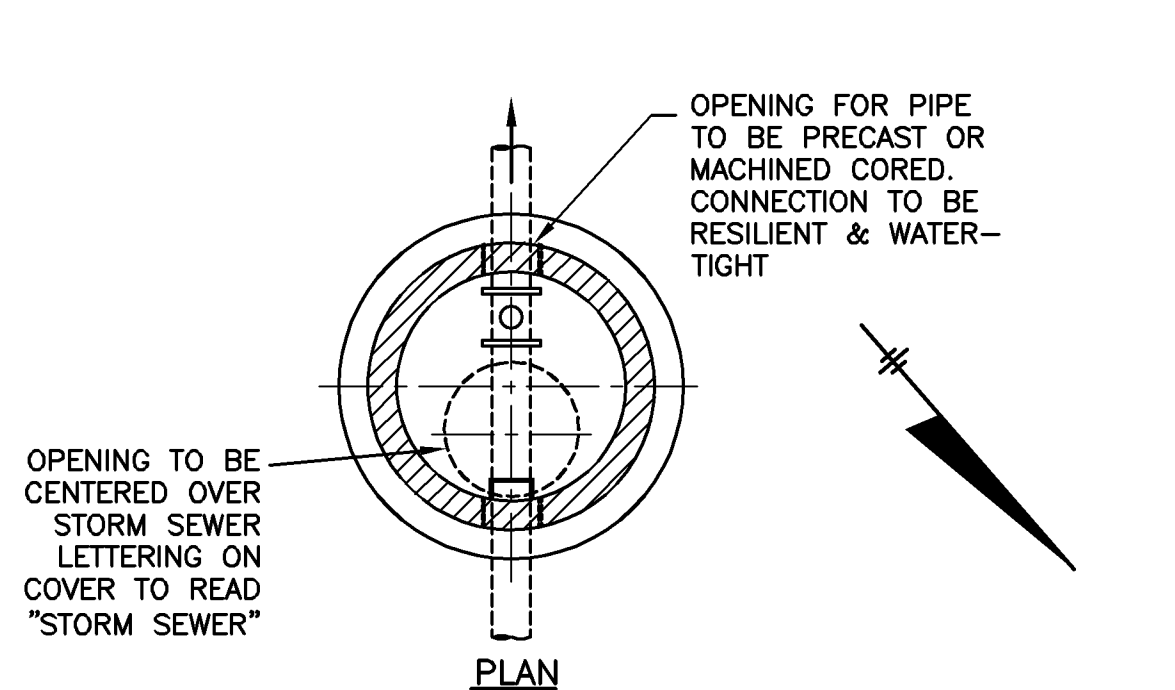
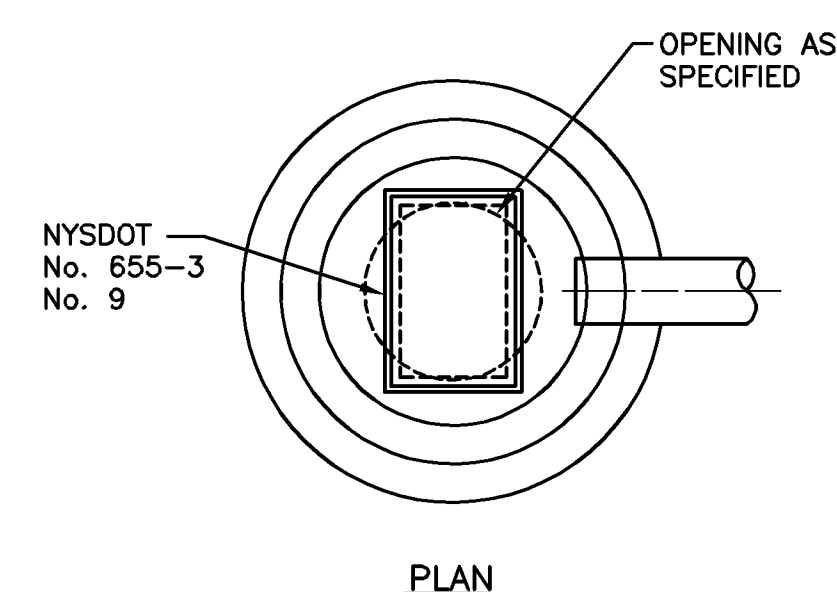
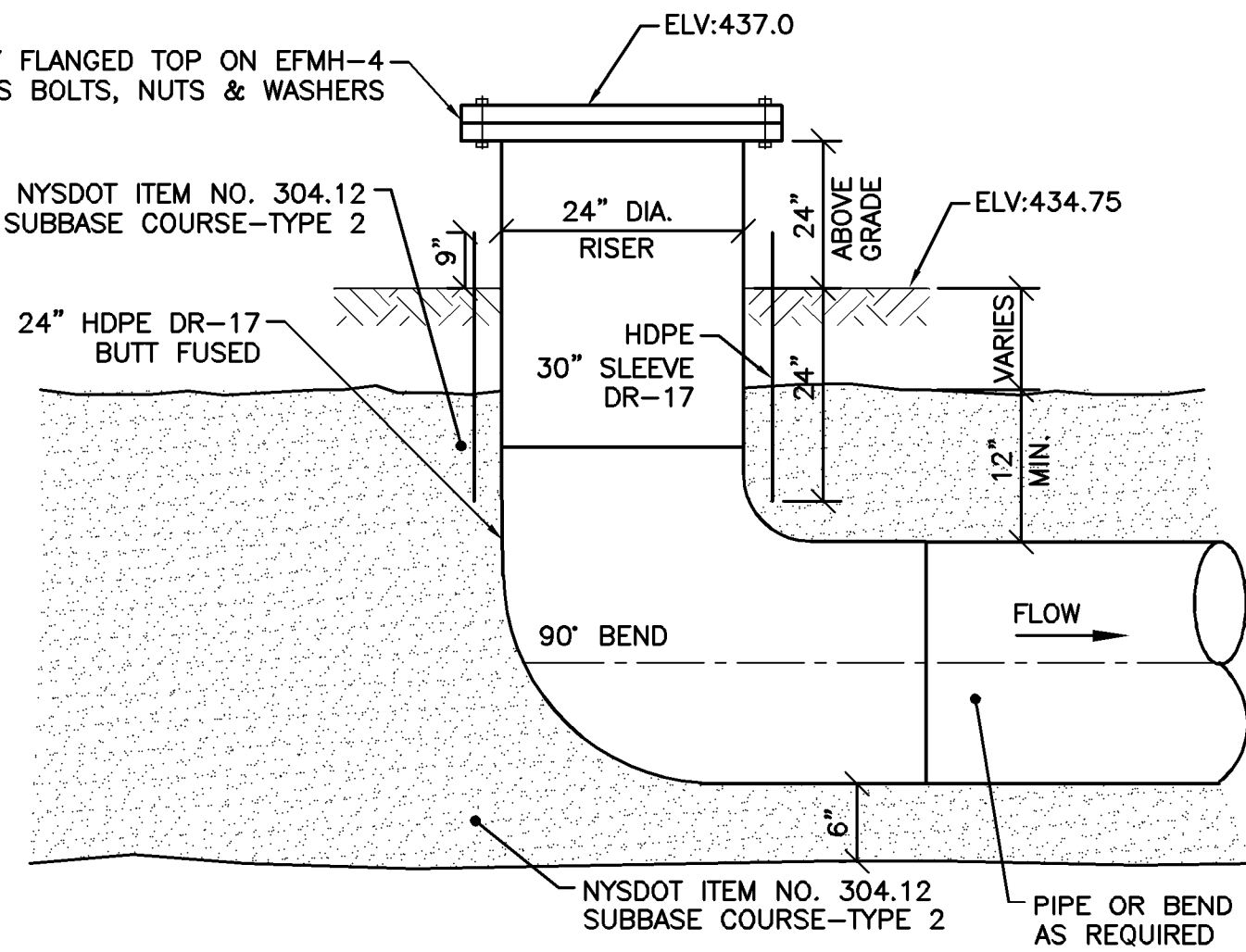
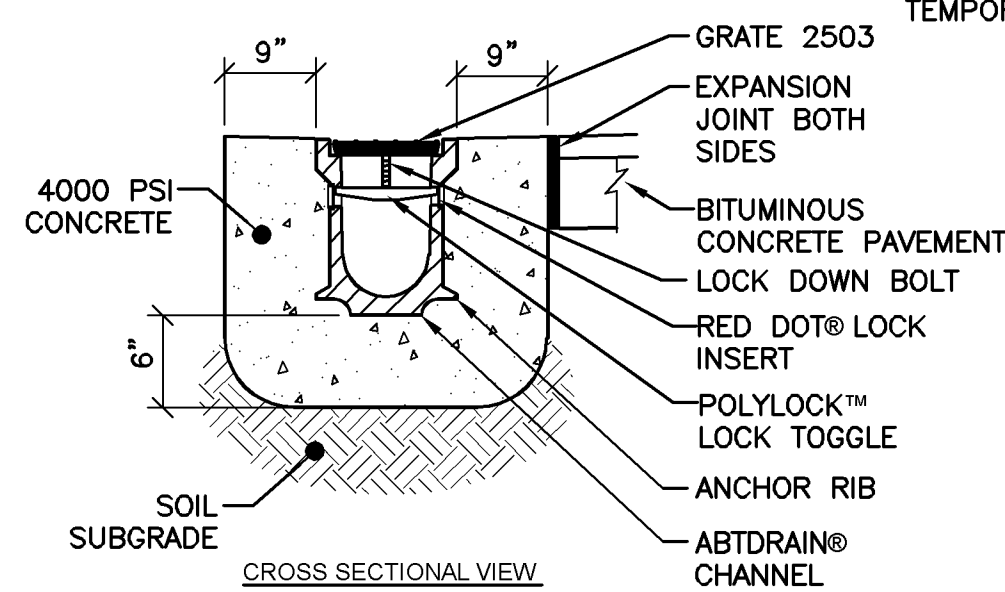
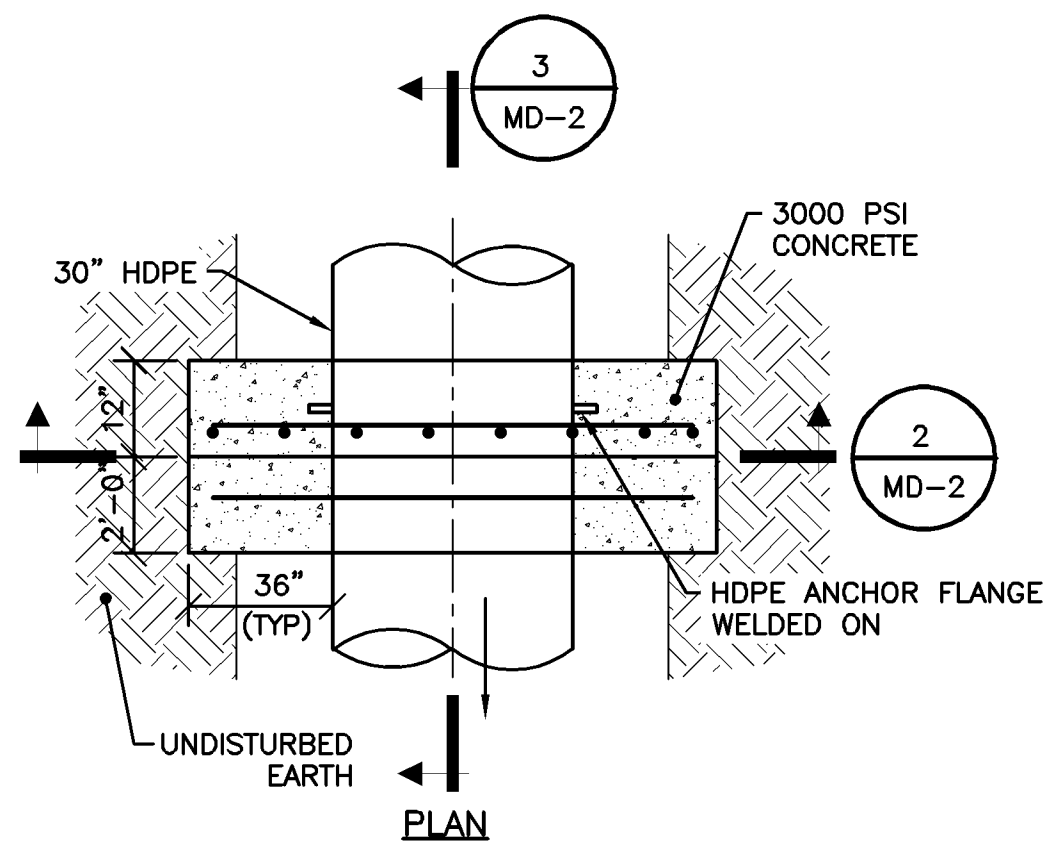
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DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

MISCELLANEOUS DETAILS

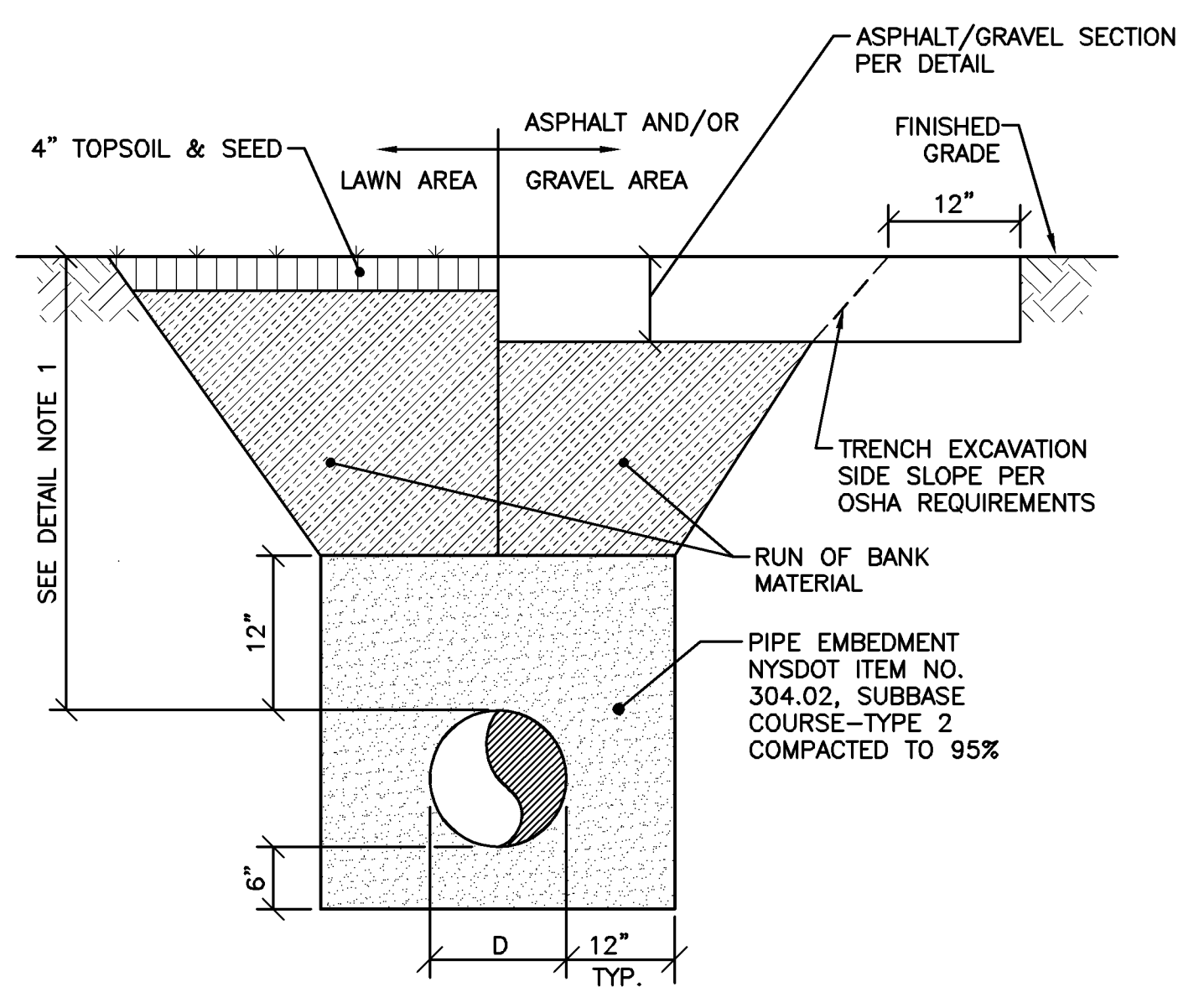
IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-MD1
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010

MD-1



NOTE:

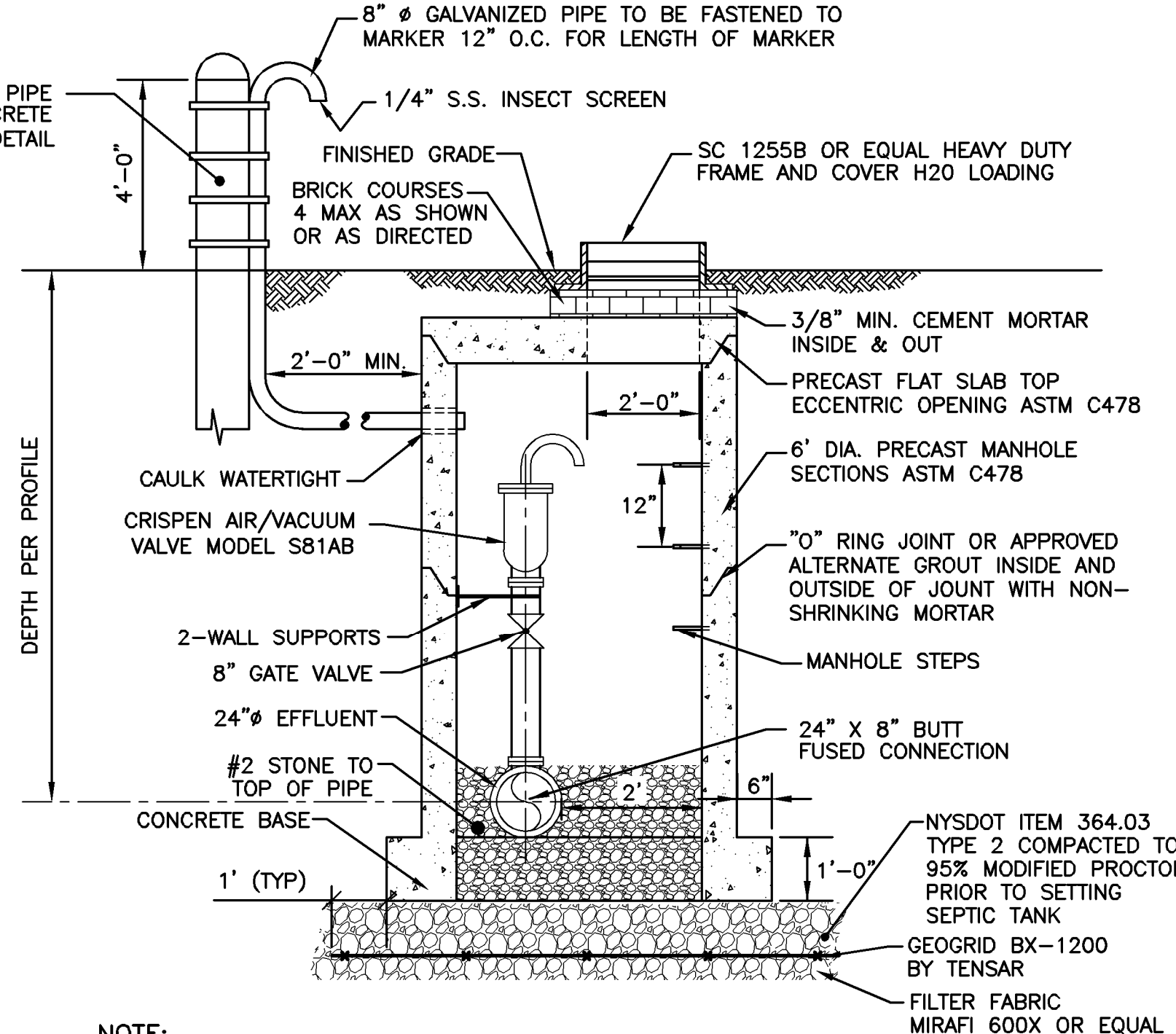
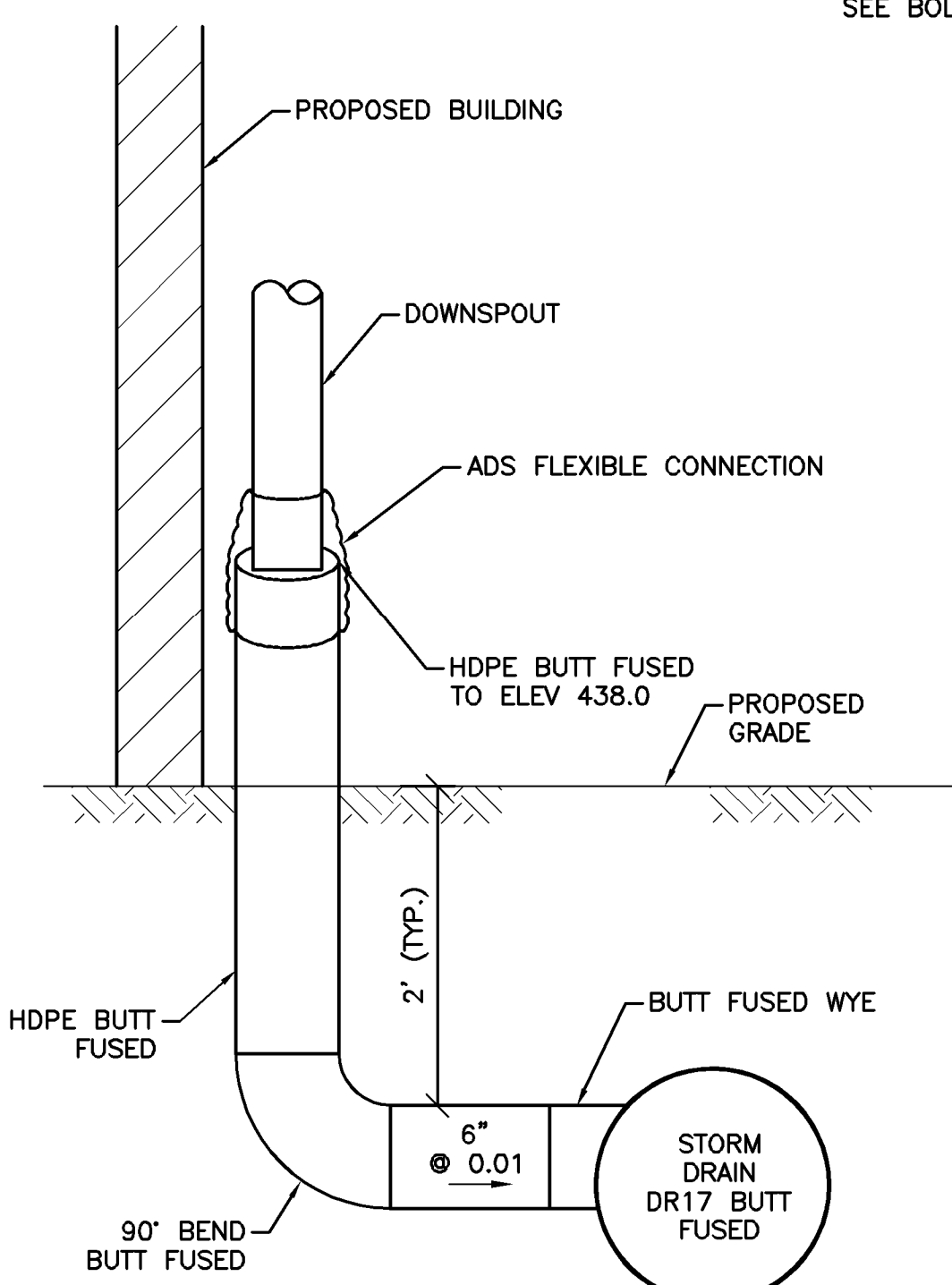
1. PROVIDE STEM SUPPORT AND GUIDE MOUNTED TO 1/4" STEEL WALL PLATE FASTENED TO CONCRETE WITH FOUR 3/8" S.S. STUD BOLTS.



NOTE:

1. DEPTH VARIES FOR EFFLUENT LINE AND STORM DRAINS. 5' MIN. FOR BWPS FORCE MAIN, WATER LINES & CHEMICAL FEED LINES, UNLESS OTHERWISE NOTED.

2. AFTER PIPE EMBEDMENT, EFFLUENT LINE CAN BE BACKFILLED WITH APPROVED SUITABLE NATIVE MATERIAL.



NOTE:

1. AIR/VACUUM RELIEF VALVES SHALL BE INSTALLED AT LOCATIONS IDENTIFIED ON THE PROFILE AT HIGH POINTS ALONG THE EFFLUENT PIPELINE.

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WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

MISCELLANEOUS DETAILS

IN CHARGE OF M.E. REWKOWSKI	FILE NO. 1163.45613-MD2	MD-2
DESIGNED BY MER CHECKED BY RGD	DATE OCT. 26, 2010	
DRAWN BY SLJ/DOK		

PUMP SCHEDULE	
TYPE	SUBMERSIBLE PUMPS (3)
MFGR, MODEL	FLYGT, MODEL NP3315.180, TYPE MT
SIZE	10" DISCHARGE
IMPELLER DIA	385 MM
MOTOR HP RATING	110 HP
RATED CAPACITY/TDH	3250 GPM/78 FT
MIN. SPEED	625 GPM @ 50 FT
PUMP SPEED CONTROL	VARIABLE FREQUENCY DRIVE (VFD)

CONTROL ELEVATION SCHEDULE	
	TRANSDUCER CONTROL
REDUNDANT HIGH ALARM	426.5
HIGH LEVEL ALARM	426.0
2ND LAG PUMP ON	425.5
1ST LAG PUMP ON	425.0
LEAD PUMP ON	424.0
STOP ALL PUMPS *	421.0
REDUNDANT OFF AND L.L. ALARM	420.50

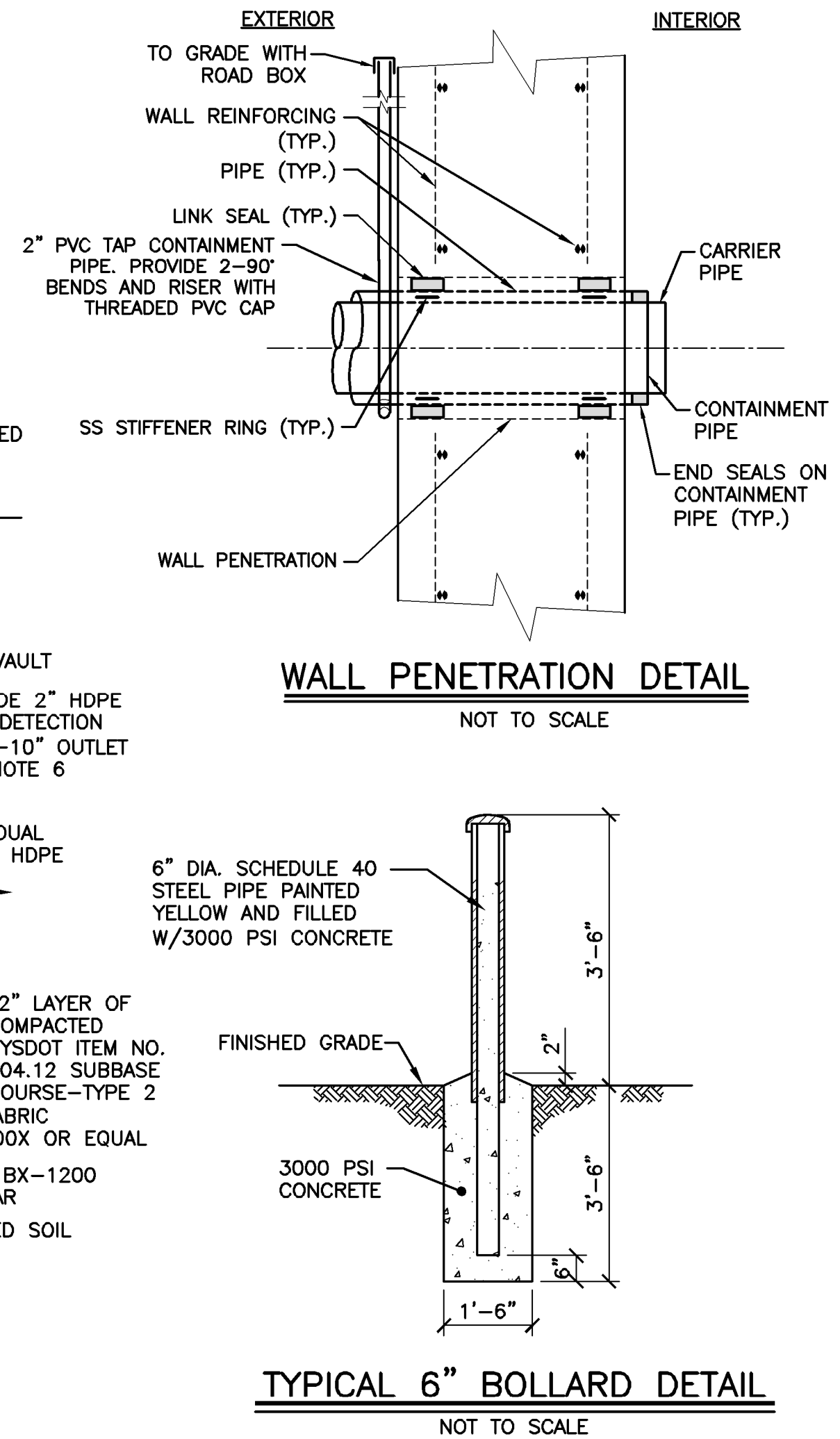
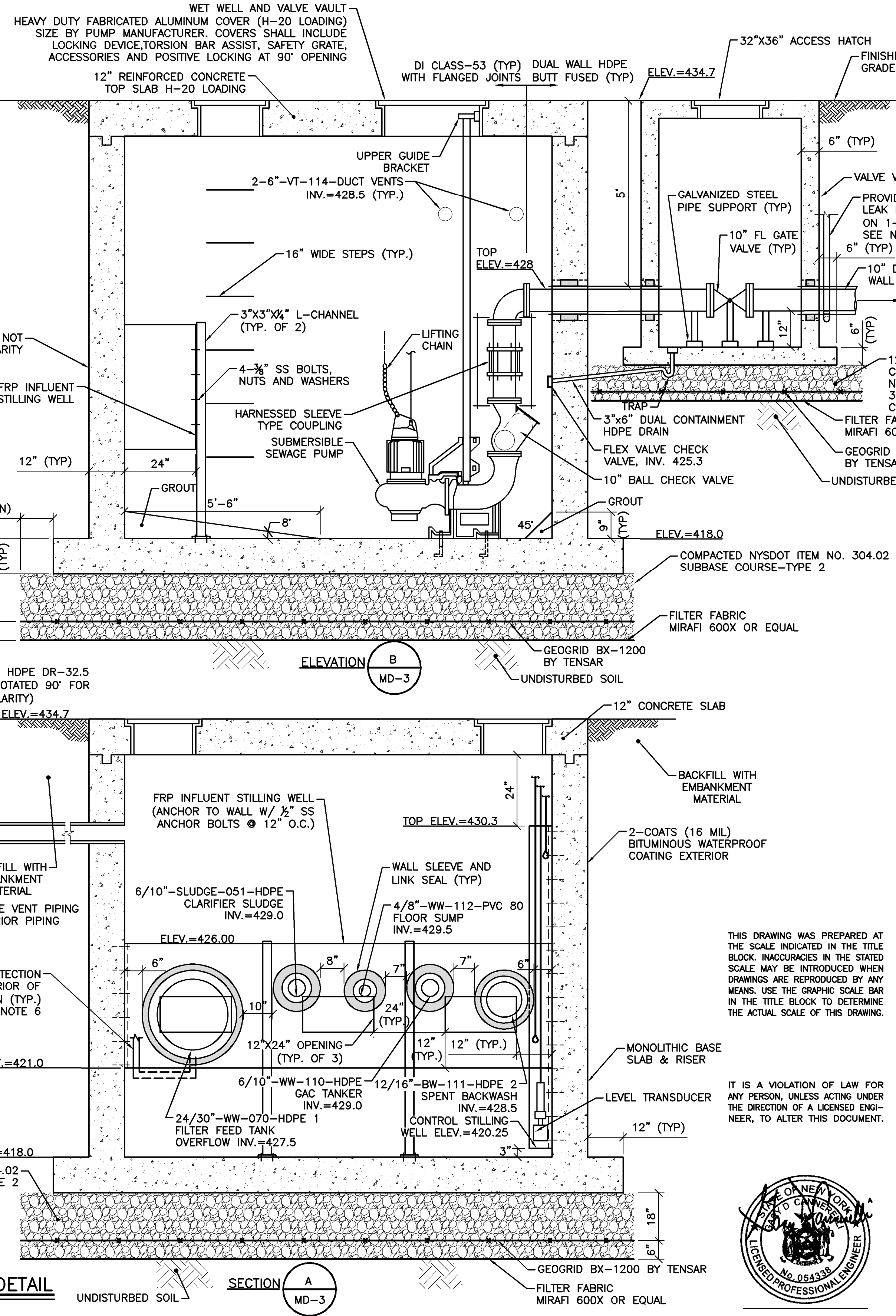
*ALTERNATE ALL THREE PUMPS

NOTES:

- ALL PIPES AND CONDUITS ENTERING P.S. SHALL BE INSTALLED WITH MODULAR LINK SEALS FOR WATERTIGHTNESS.
 - SEE SHEET U-1 FOR CONTINUATION OF UNDERGROUND PIPING.
 - ALL EXPOSED METAL ITEMS SUCH AS PIPING, SUPPORTS, VALVES AND ETC. NOT PROVIDED WITH A FACTORY COATING SHALL BE PAINTED IN THE FIELD IN ACCORDANCE WITH THE FIELD PAINTING TECHNICAL SPECIFICATION.
 - BACKWASH PUMPING STATION & VALVE VAULT COATINGS
- ALL INTERIOR SURFACES:
- PREPARE SURFACES PER MANUFACTURER'S RECOMMENDATION.
 - FILL CONCRETE WITH TNEC SERIES 218 MORTAR CLAD (1/16").
 - COAT WITH TNEC SERIES 436 PERMA SHIELD FR (50-70 MILS).

EXTERIOR:

- PREPARE SURFACE PER MANUFACTURER'S RECOMMENDATION.
 - TWO COATS OF BITUMINOUS WATER PROOFING.
- ALL JOINTS IN PUMPING STATION AND VALVE VAULT TO HAVE WATERSTOPS OR BUTYL RUBBER SEALS.
- PROVIDE 2" SECONDARY PIPE LEAK DETECTION ON ALL INLET PIPE TO BACKWASH PUMPING STATION & 1-10" OUTLET FROM VALVE VAULT. INSTALL 2" PIPE TO GRADE & PROVIDE 6" ROAD BOX.



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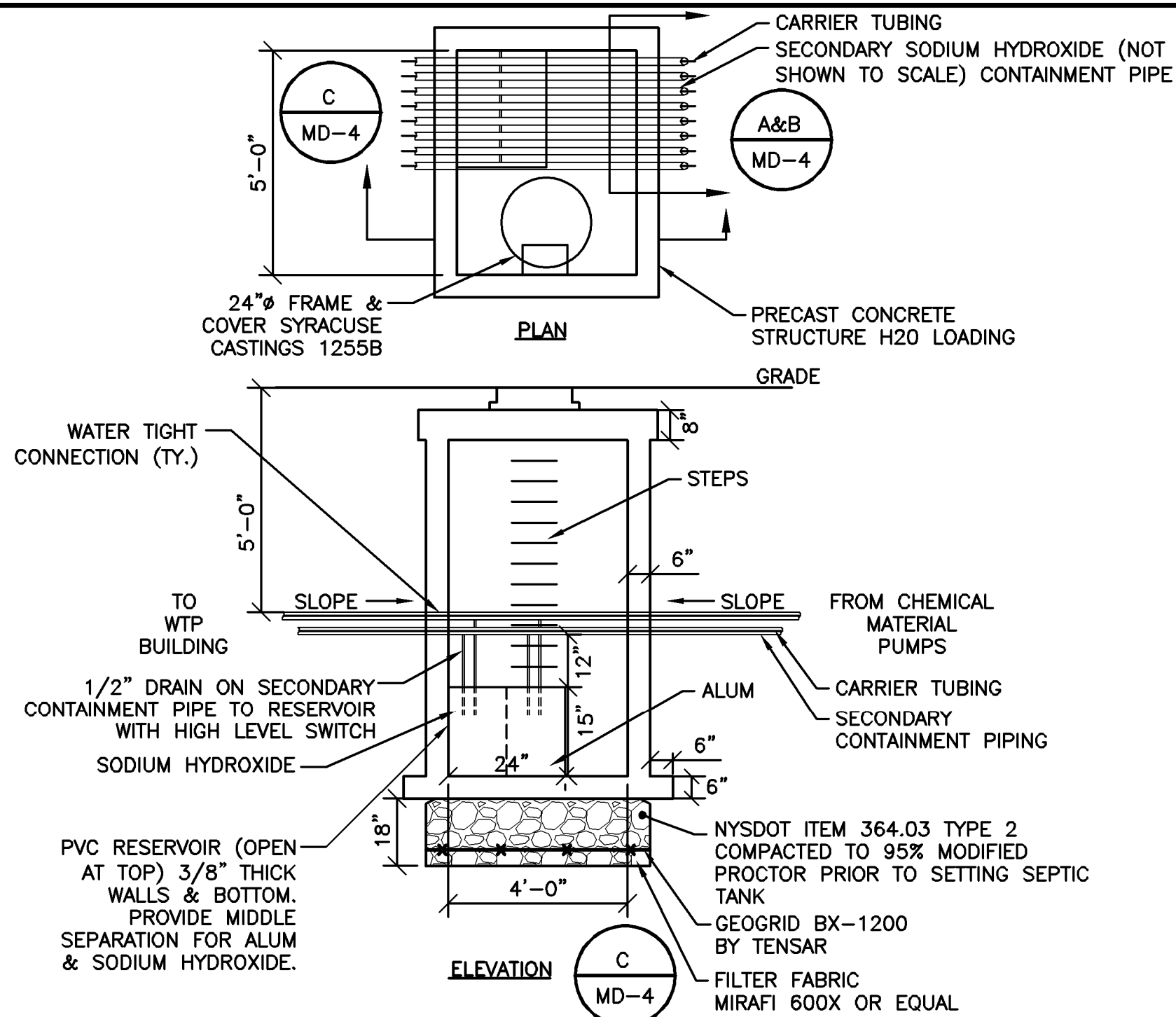
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DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

BACKWASH PUMPING STATION SECTIONS, PLAN AND DETAILS

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-MD3
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010

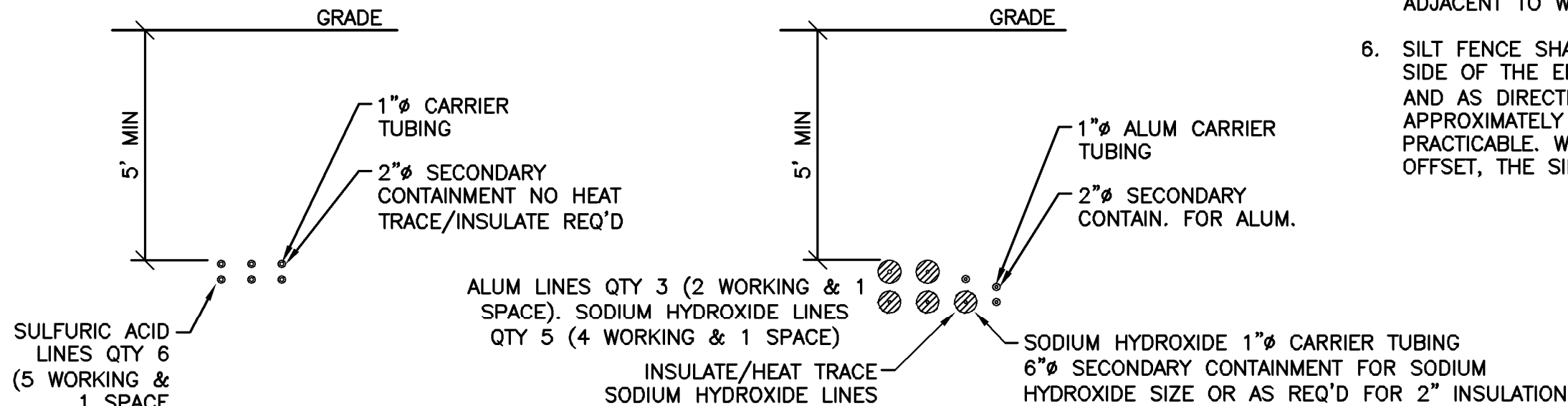
MD-3





CHEMICAL FEED LEAK DETECTION MANHOLE DETAIL

SCALE: 1"=3'

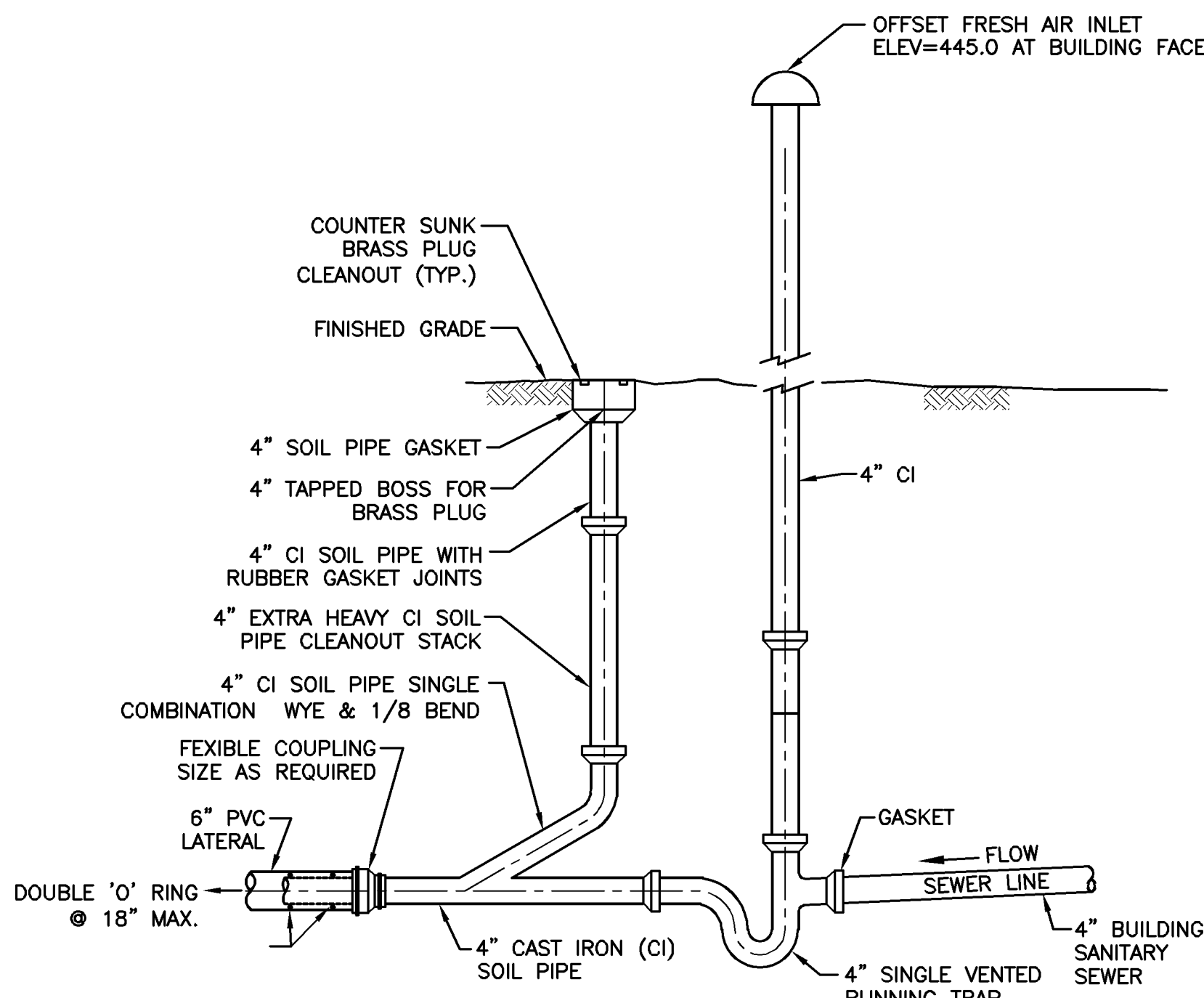


SULFURIC ACID PIPING SECTION

SCALE: 1"=3'

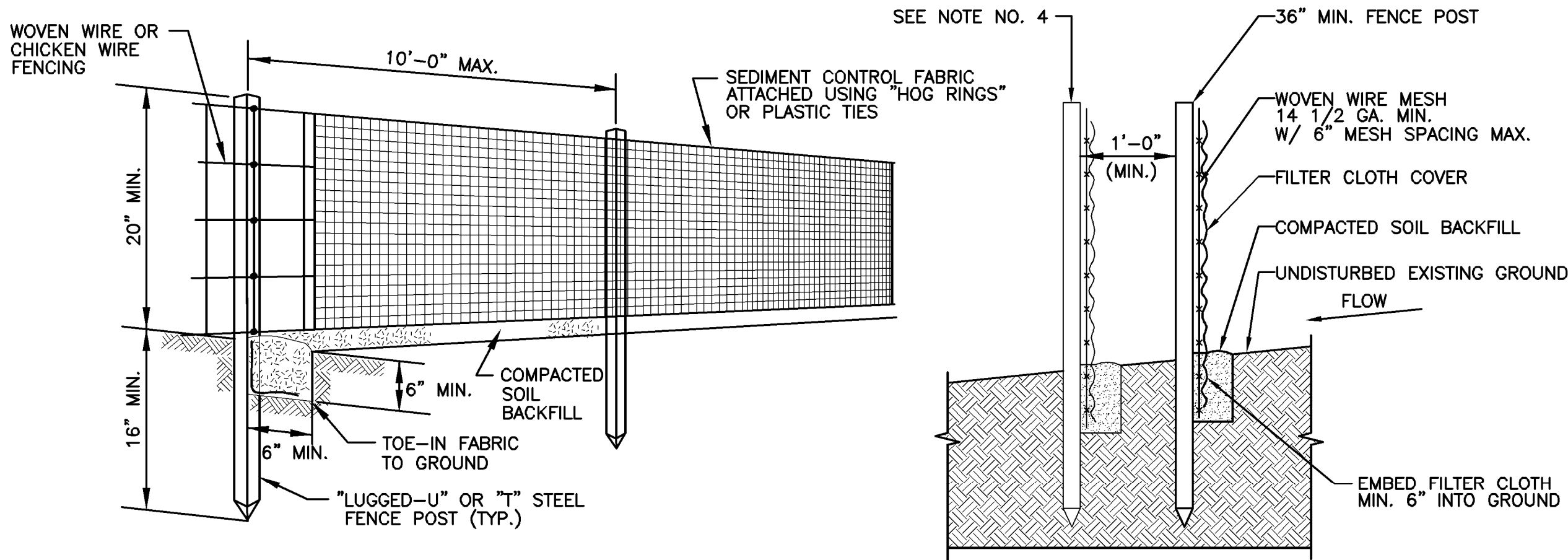
ALUM & SODIUM HYDROXIDE PIPING SECTION

SCALE: 1"=3'



TYPICAL TRAP WITH CLEANOUT & FRESH AIR INLET DETAIL

NOT TO SCALE



SECTION DETAIL

1. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
4. FENCE TO BE ALIGNED ALONG CONTOUR AS CLOSELY AS POSSIBLE.
5. FENCE SHALL BE DOUBLED AT THE TOE OF ALL SLOPES GREATER THAN 15 PERCENT, AND ADJACENT TO WATER BODIES.
6. SILT FENCE SHALL BE INSTALLED FROM STATION 0+00 TO 40+20 ON THE DOWN GRADIENT SIDE OF THE EFFLUENT PIPELINE WHERE SUBSURFACE PIPELINE INSTALLATION IS REQUIRED AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE. SILT FENCE SHALL BE INSTALLED APPROXIMATELY SEVEN FEET DOWN GRADIENT FROM THE CENTERLINE OF THE PIPE AS PRACTICABLE. WHERE SURFACE WATER SWALES EXIST THAT PRECLUDE THE SEVEN FOOT OFFSET, THE SILT FENCE SHALL BE INSTALLED BETWEEN THE PIPE AND THE SWALE.

POSTS : STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE : WOVEN WIRE 14.5 GAUGE 6" MAX. MESH OPENING

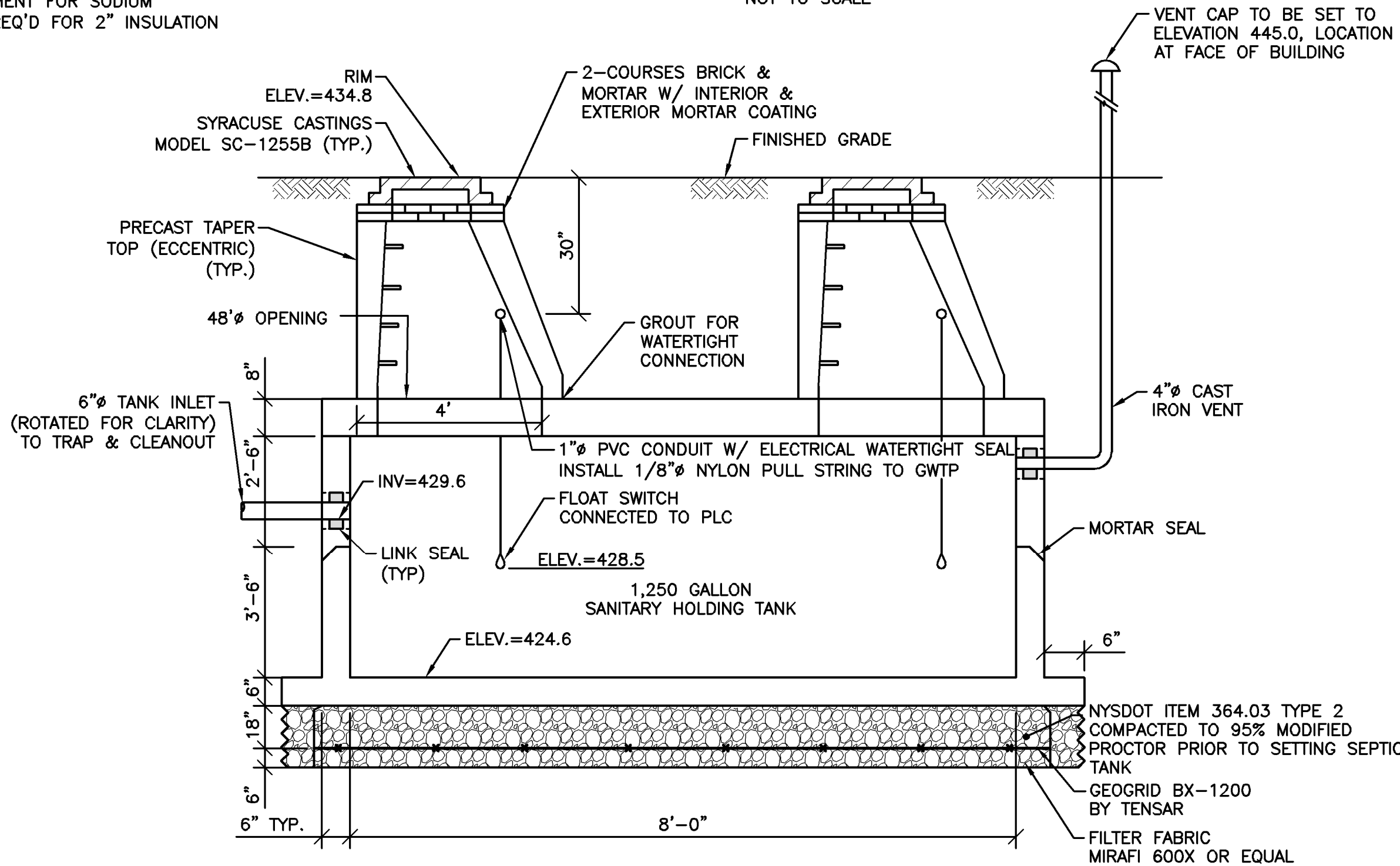
FILTER CLOTH :
MINIMUM TENSILE STRENGTH OF 120 LBS. (ASTM D-16826)

PREFABRICATED UNIT :
MIRAFI ENVIROFENCE, OR APPROVED EQUAL

STANDARD SYMBOL — SF — SF

SILT FENCE DETAIL

NOT TO SCALE

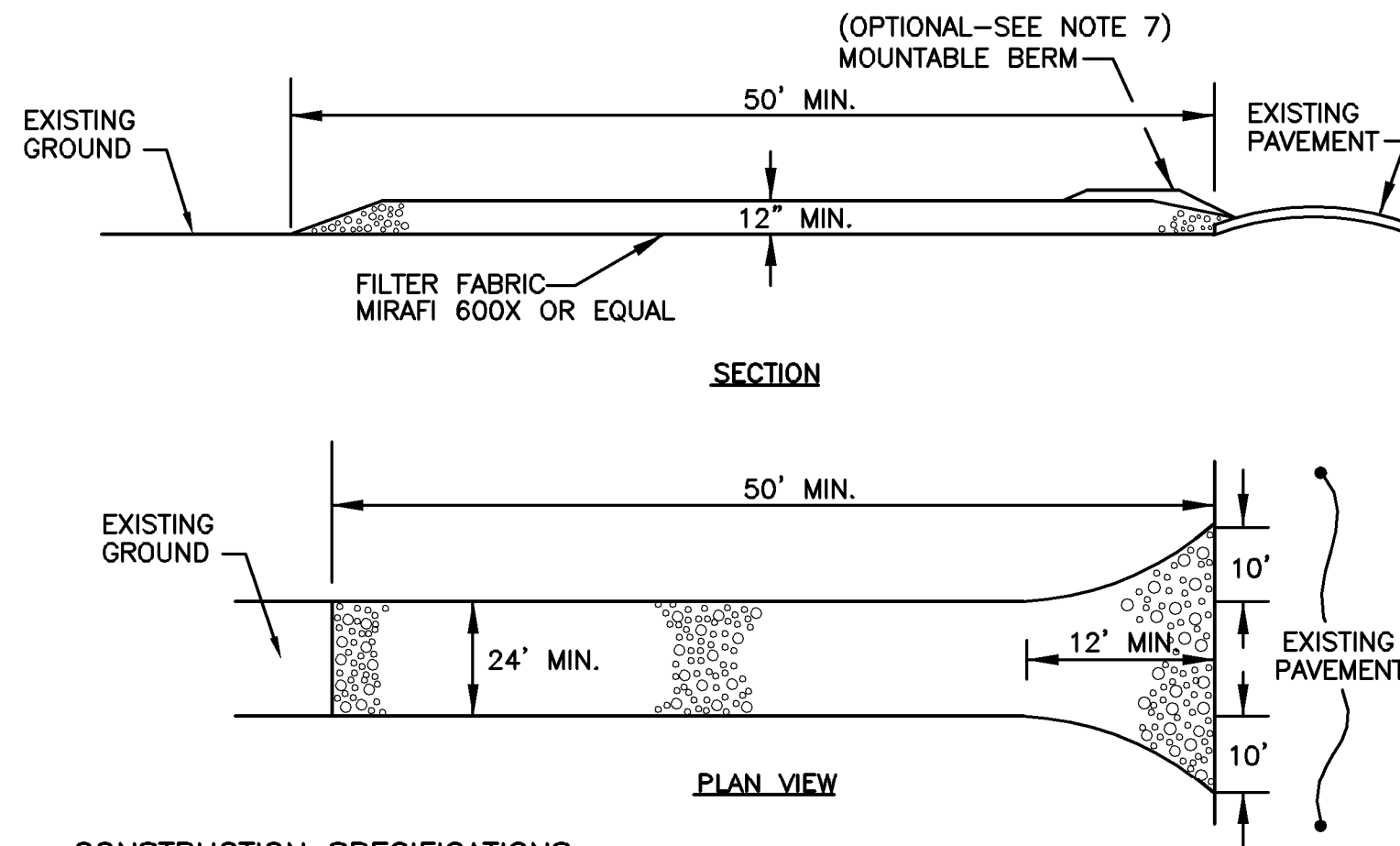


NOTE:

1. SEPTIC TANK SHALL SUPPORT H-20 LOADINGS AND BE KISTNER CONCRETE PRODUCTS, INC. DRAWING NUMBER ST-1250-T OR APPROVED EQUAL. INSIDE DIMENSIONS 8'-0" LONG BY 5'-0" WIDE.

SANITARY HOLDING TANK DETAIL

NOT TO SCALE



CONSTRUCTION SPECIFICATIONS

1. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT INGRESS/EGRESS LOCATIONS AS SHOWN ON SHEET SP-1 OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
2. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET
4. THICKNESS - NOT LESS THAN TWELVE (12) INCHES
5. WIDTH TWENTY-FOUR (24) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE EGRESS OCCURS.
6. FILTER FABRIC (MIRAFI 600X OR EQUAL) - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS NOT POSSIBLE, A MOUNTABLE BERM 3' WIDE (MIN.) WITH 5:1 SLOPES WILL BE PERMITTED.
8. MAINTENANCE - THE ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
9. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO ADJACENT SEDIMENT BASINS.
10. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT STORM WATER POLLUTION PREVENTION PLAN.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE

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DP #3
WATER TREATMENT PLANT
TOWN OF CAMILLUS, NEW YORK

MISCELLANEOUS DETAILS

IN CHARGE OF	M.E. REWKOWSKI	FILE NO.	1163.45613-MD4
DESIGNED BY	MER	CHECKED BY	RGD
DRAWN BY	SLJ/DOK	DATE	OCT. 26, 2010

MD-4



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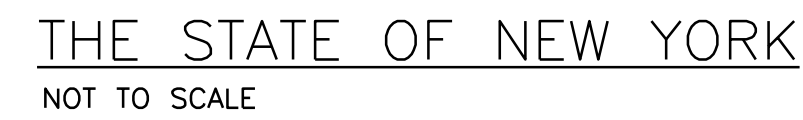
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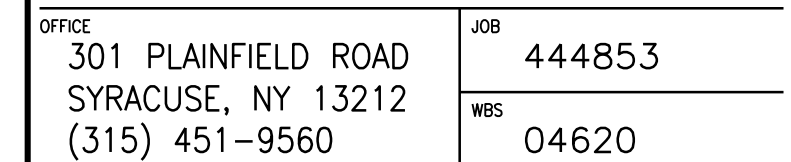
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(DRAWING INDEX CONTINUED ON DRAWING 444853-200-G-002)



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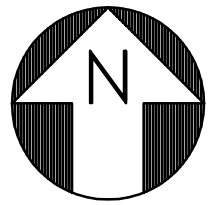
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444853-200-C-301	A	SLURRY PROCESS AREA CIVIL GRADING PLAN
444853-200-C-302	A	SLURRY PROCESS AREA CIVIL UTILITIES AND STORM DRAIN PLAN
444853-200-C-303	A	SLURRY PROCESS AREA CIVIL SECTIONS AND DETAILS
444853-200-C-304	A	SLURRY PROCESS AREA CIVIL STORMWATER PUMP STATION DETAILS
444853-200-C-401	B	SLURRY PIPELINE BOOSTER PUMP 1 PUMP STATION PLAN
444853-200-C-402	B	SLURRY PIPELINE BOOSTER PUMP 2 PUMP STATION PLAN
444853-200-C-403	B	SLURRY PIPELINE BOOSTER PUMP 3 PUMP STATION PLAN
444853-200-C-404	B	SLURRY PIPELINE BOOSTER PUMP 4 PUMP STATION PLAN
444853-200-C-405	A	SLURRY PIPELINE BOOSTER PUMP STATION DETAILS
444853-200-C-406	A	EROSION AND SEDIMENT CONTROL DETAILS
PROCESS MECHANICAL		
444853-200-M-001	C	SLURRY PROCESS AREA PLAN
444853-200-M-002	A	SLURRY PROCESS AREA EQUIPMENT AND YARD PIPING PLAN
444853-200-M-003	A	SCA EQUIPMENT AND PIPING PLAN
444853-200-M-004	A	SLURRY PROCESS AREA SCREEN SHAKER BEDS PIPING PLAN
444853-200-M-005	A	SLURRY PROCESS AREA SCREEN SHAKER BEDS PIPING SECTION
444853-200-M-006	A	SLURRY PROCESS AREA SCA PIPING PARTIAL PLANS
444853-200-M-007	A	SCA PIPING SECTIONS AND DETAILS

DRAWING INDEX

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PROCESS P&ID		
444853-200-D-001	C	MASS BALANCE PROCESS FLOW DIAGRAM
444853-200-D-002	C	MASS BALANCE PROCESS FLOW DIAGRAM TABLES
444853-200-D-101	C	P&ID LEGEND AND ABBREVIATION SHEET 1 OF 2
444853-200-D-101A	A	P&ID LEGEND AND ABBREVIATION SHEET 2 OF 2
444853-200-D-102	C	SLURRY TRANSPORT SYSTEM P&ID SLURRY PIPELINE DREDGE & BOOSTER PUMP 1
444853-200-D-103	C	SLURRY TRANSPORT SYSTEM P&ID SLURRY PIPELINE BOOSTER PUMP 2
444853-200-D-104	C	SLURRY TRANSPORT SYSTEM P&ID SLURRY PIPELINE BOOSTER PUMP 3
444853-200-D-105	C	SLURRY TRANSPORT SYSTEM P&ID SLURRY PIPELINE BOOSTER PUMP 4
444853-200-D-106	C	SLURRY TRANSPORT SYSTEM P&ID SLURRY PRECONDITIONING PRIMARY SCREENS & TANKS
444853-200-D-107	C	SLURRY TRANSPORT SYSTEM P&ID SLURRY PRECONDITIONING GEOTEXTILE TUBE FEED PUMPS (NOT USED)
444853-200-D-108		
444853-200-D-109	C	SLURRY TRANSPORT SYSTEM P&ID SLURRY PRECONDITIONING OVERFLOW SOLIDS STOCKPILE SUMP PUMP
444853-200-D-110	C	SLURRY TRANSPORT SYSTEM P&ID POLYMER FEED SYSTEM
444853-200-D-111	C	SLURRY TRANSPORT SYSTEM P&ID SCA AND WEST BASIN
444853-200-D-112	C	SLURRY TRANSPORT SYSTEM P&ID SCA AND EAST BASIN
444853-200-D-113	C	SLURRY TRANSPORT SYSTEM P&ID DRY POLYMER MIXING AND MAKE-UP WATER
444853-200-D-114	A	SLURRY TRANSPORT SYSTEM P&ID SCHEDULE OF INTERLOCK DESCRIPTIONS
ELECTRICAL/INSTR.		
444853-200-E-001	C	POWER DISTRIBUTION ONE-LINE DIAGRAM
444853-200-E-002	C	BOOSTER PUMP STATIONS ONE-LINE DIAGRAMS

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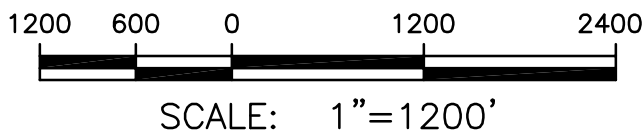
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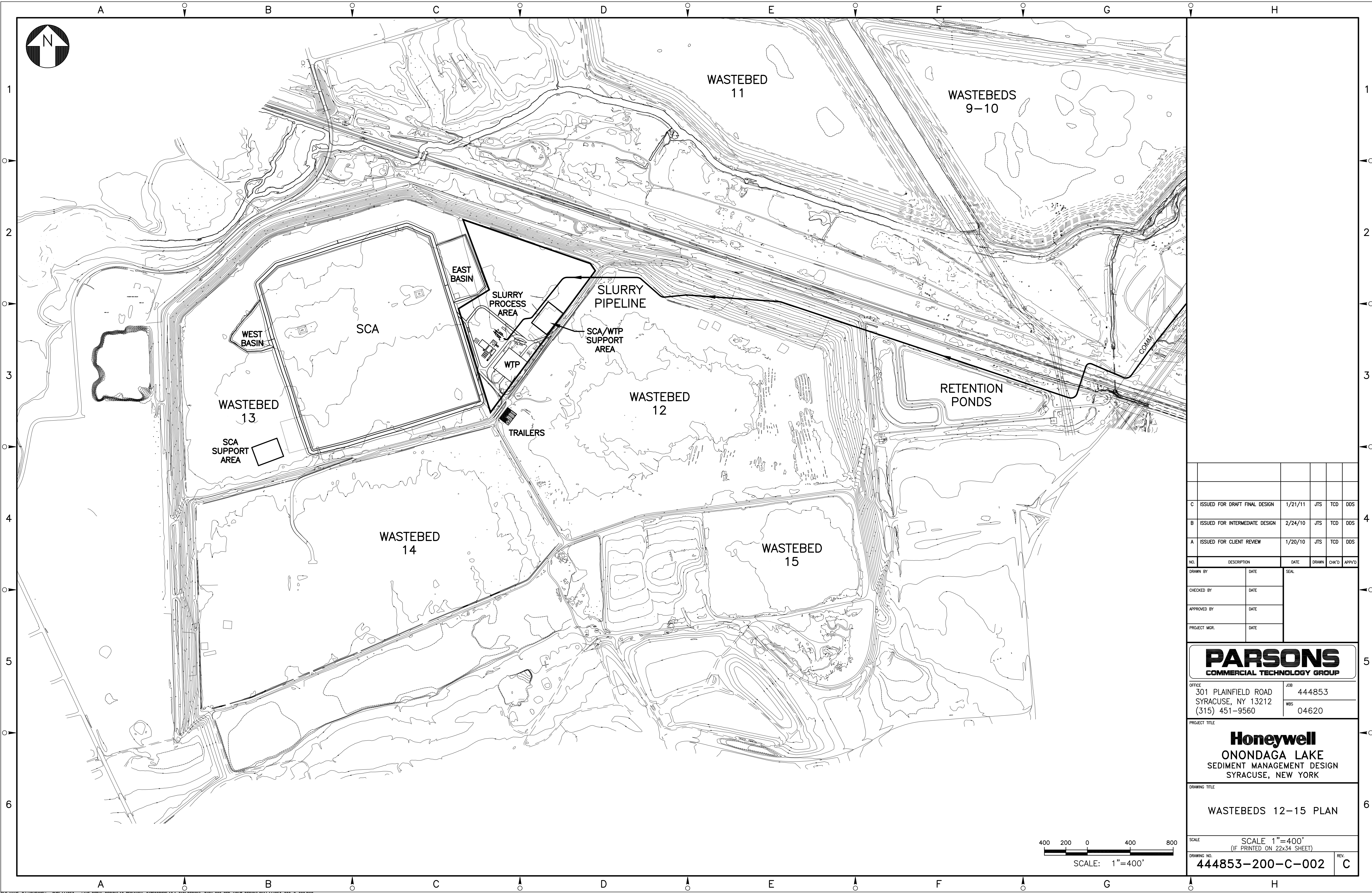
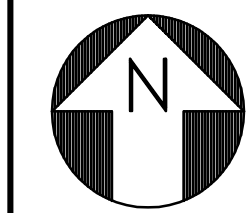
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PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

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PROJECT TITLE
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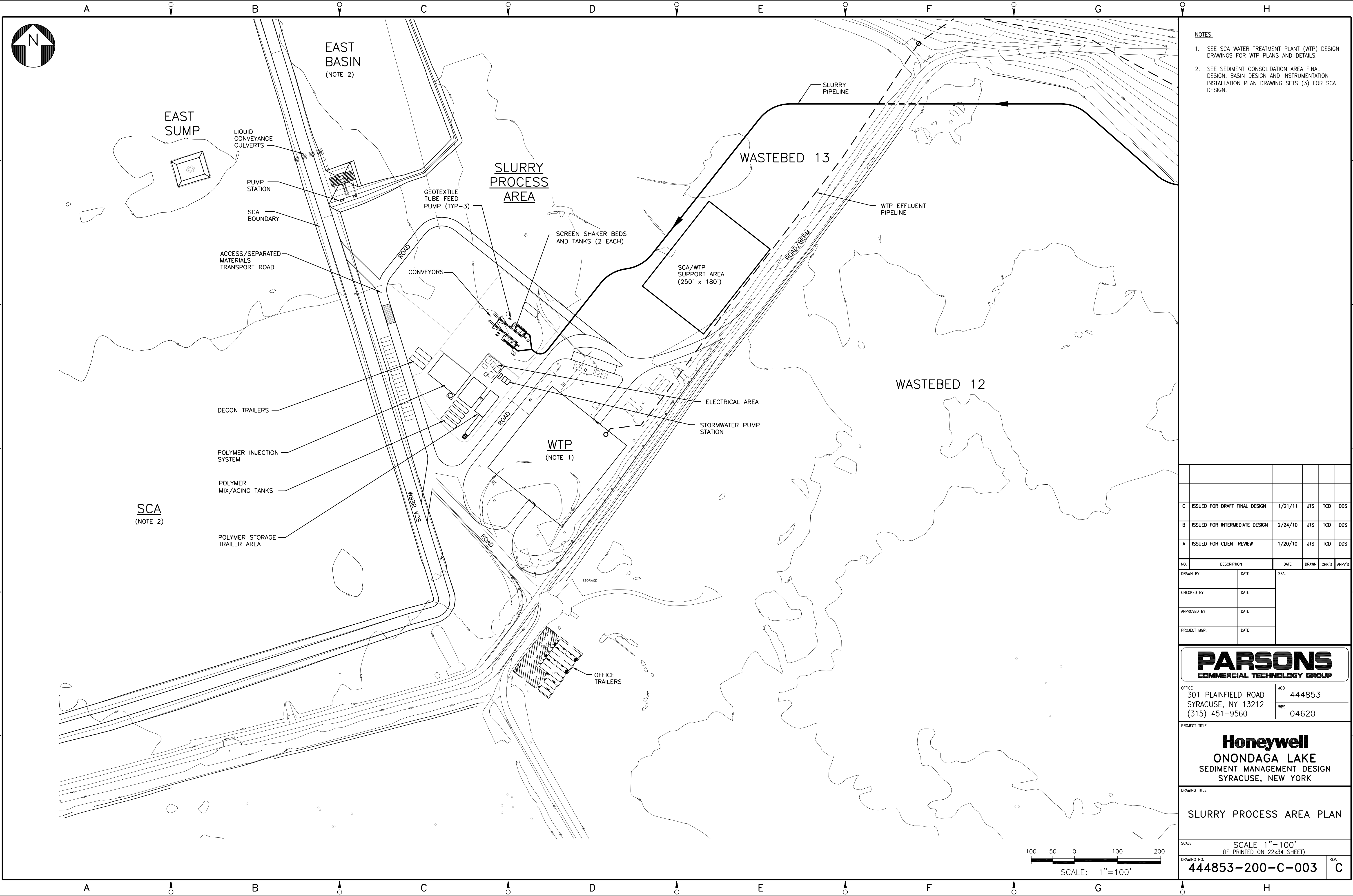
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NOTES:

1. SEE SCA WATER TREATMENT PLANT (WTP) DESIGN DRAWINGS FOR WTP PLANS AND DETAILS.
2. SEE SEDIMENT CONSOLIDATION AREA FINAL DESIGN, BASIN DESIGN AND INSTRUMENTATION INSTALLATION PLAN DRAWING SETS (3) FOR SCA DESIGN.

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
C	ISSUED FOR DRAFT FINAL DESIGN	1/21/11	JTS	TCD	DDS
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	TCD	DDS
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

DRAWN BY	DATE	SEAL
CHECKED BY	DATE	
APPROVED BY	DATE	
PROJECT MGR.	DATE	

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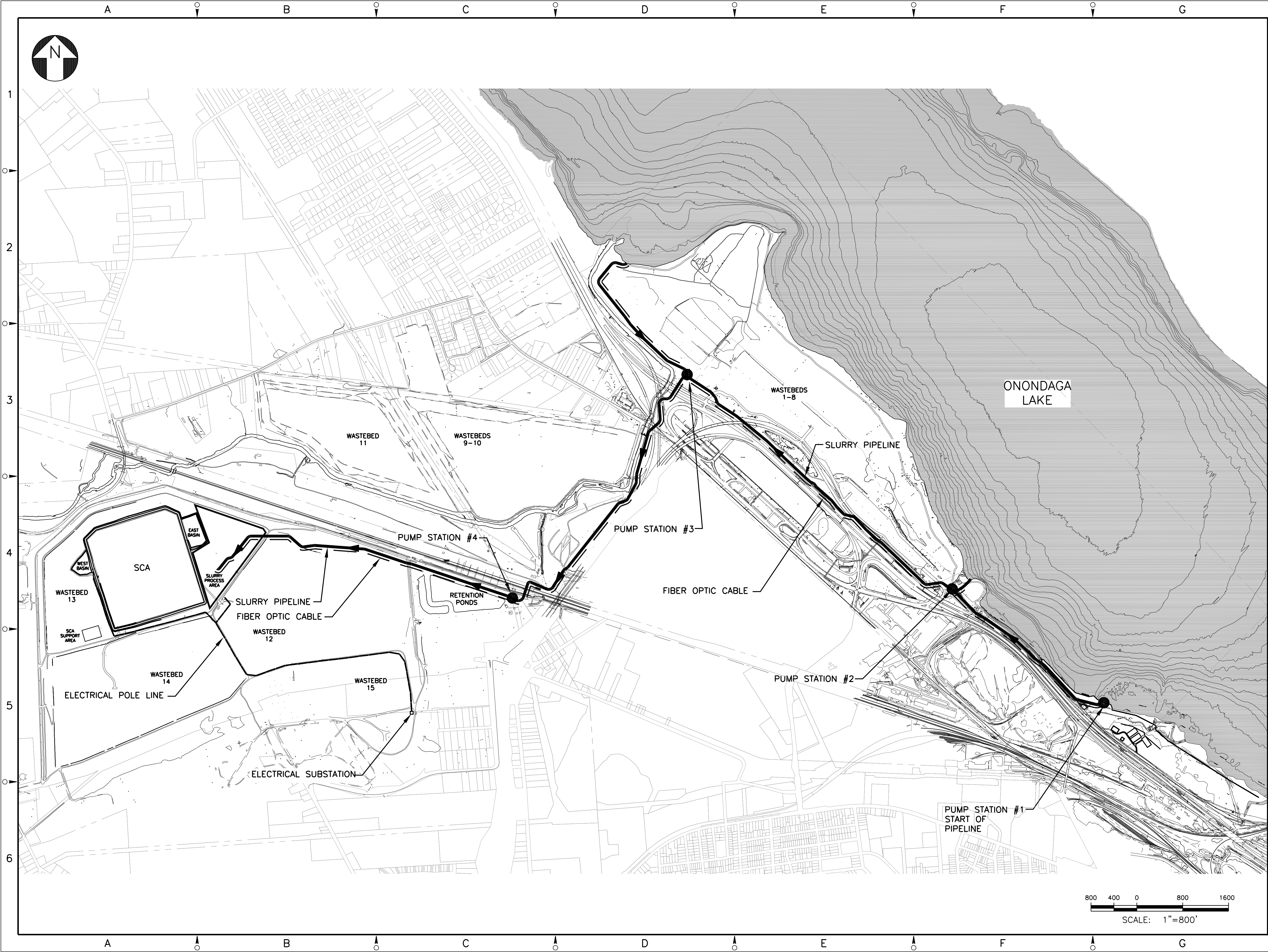
OFFICE	301 PLAINFIELD ROAD SYRACUSE, NY 13212 (315) 451-9560	JOB	444853
WBS			04620

PROJECT TITLE
Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE
SLURRY PROCESS AREA PLAN

SCALE		SCALE 1"=100' (IF PRINTED ON 22x34 SHEET)	
DRAWING NO.		444853-200-C-003	REV. C

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LEGEND:

- PUMP STATION LOCATIONS
- 16"/22" SLURRY PIPELINE
- FIBER OPTIC CABLE BURIED OR ON GRADE, DEPENDING ON SITE CONSIDERATIONS.

D	ISSUED FOR SWPPP	2/22/11	JTS	XH	DDS
C	ISSUED FOR DRAFT FINAL DESIGN	1/21/11	JTS	TCD	DDS
B	ISSUED FOR INTERMEDIATE DESIGN	2/24/10	JTS	TCD	DDS
A	ISSUED FOR CLIENT REVIEW	1/20/10	JTS	TCD	DDS

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APP'VD
DRAWN BY		DATE	SEAL		
CHECKED BY		DATE			
APPROVED BY		DATE			
PROJECT MGR.		DATE			

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JOB
444853

WBS
04620

PROJECT TITLE

Honeywell
ONONDAGA LAKE
SEDIMENT MANAGEMENT DESIGN
SYRACUSE, NEW YORK

DRAWING TITLE

**SLURRY PIPELINE AND
PUMP STATION LOCATION
PLAN**

SCALE	SCALE 1"=800' (IF PRINTED ON 22x34 SHEET)	
DRAWING NO.	444853-200-C-004	REV. D