

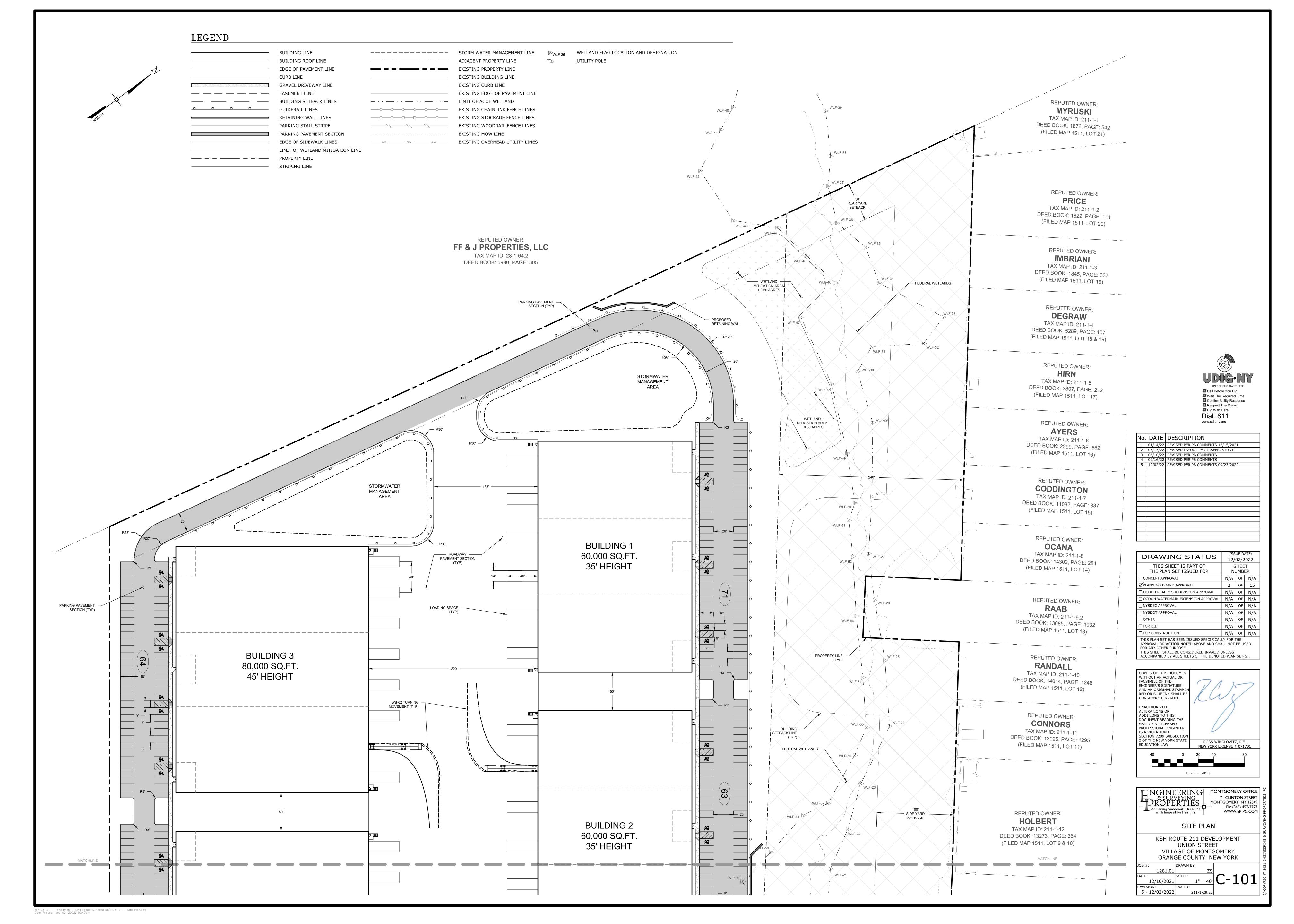


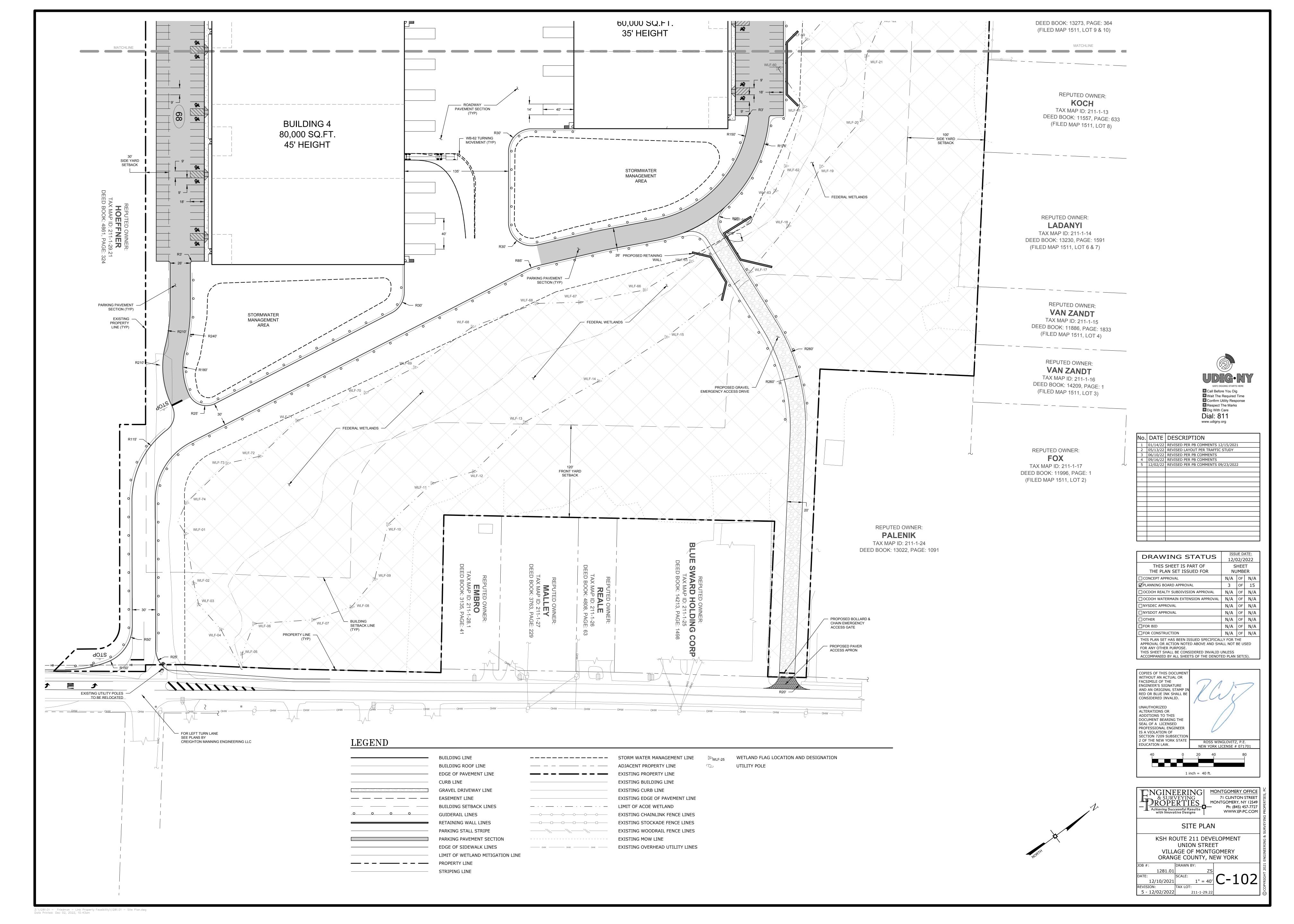
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No.	DATE	DESCRIPTION
1	01/14/22	REVISED PER PB COMMENTS 12/15/2021
2	05/13/22	
3	06/10/22	REVISED PER PB COMMENTS
4	09/16/22	REVISED PER PB COMMENTS
5	12/02/22	REVISED PER PB COMMENTS 09/23/2022

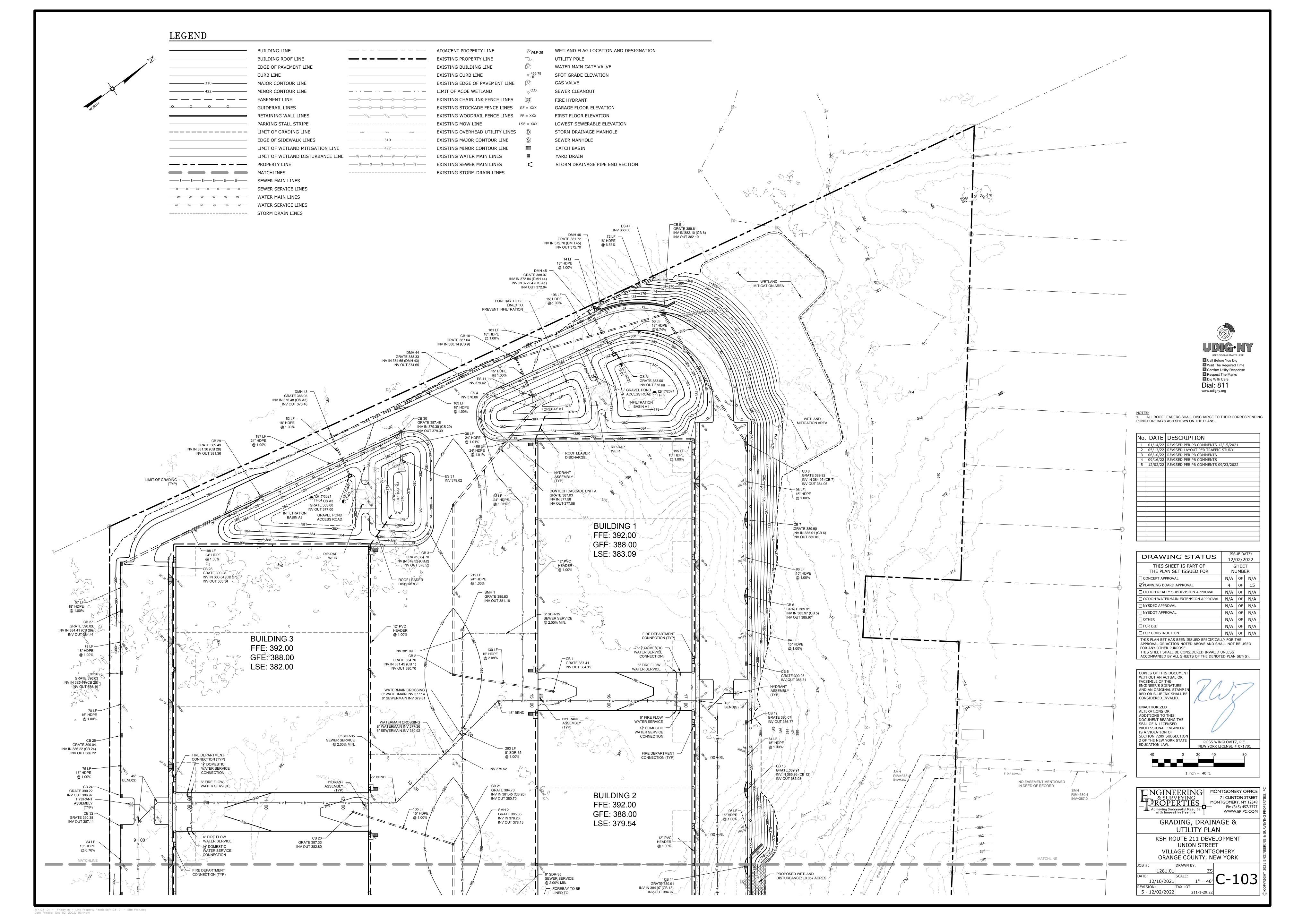
DRAWING STATOS	12/0)2/2	2022		
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	_	HEE JMBI			
☐ CONCEPT APPROVAL	N/A	OF	N/A		
☑ PLANNING BOARD APPROVAL	1	OF	15		
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A		
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A		
□ NYSDEC APPROVAL	N/A	OF	N/A		
□ NYSDOT APPROVAL	N/A	OF	N/A		
☐ OTHER	N/A	OF	N/A		
☐ FOR BID	N/A	OF	N/A		
☐ FOR CONSTRUCTION	N/A	OF	N/A		
THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS					

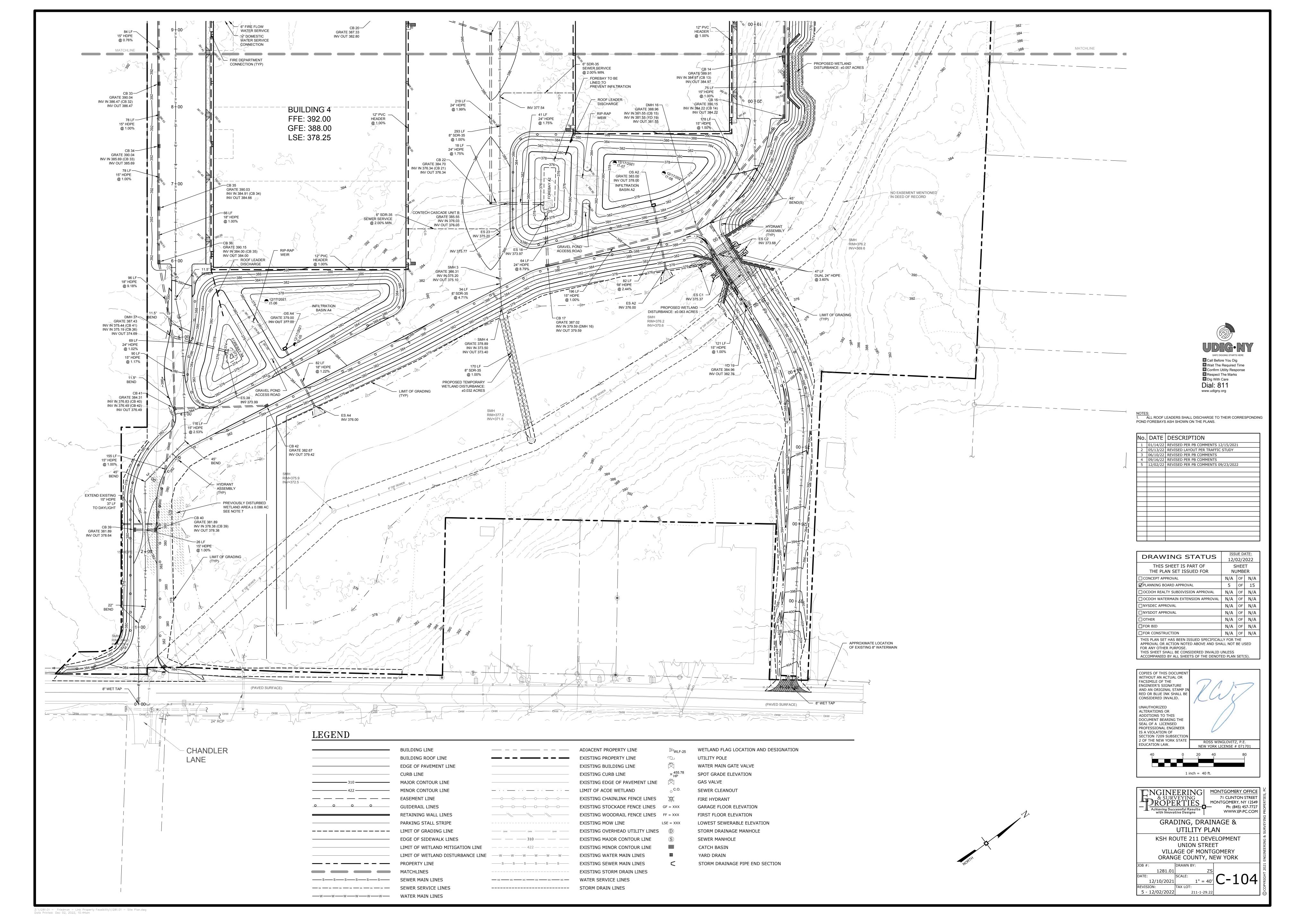
NEW YORK LICENSE # 071701

& SURVEYING ROPERTIES Achieving Successful Results with Innovative Designs	71 CLINTON STREET MONTGOMERY, NY 12549 Ph: (845) 457-7727 WWW.EP-PC.COM					
OVERALL PLAN						
KSH ROUTE 211 D UNION ST	_					

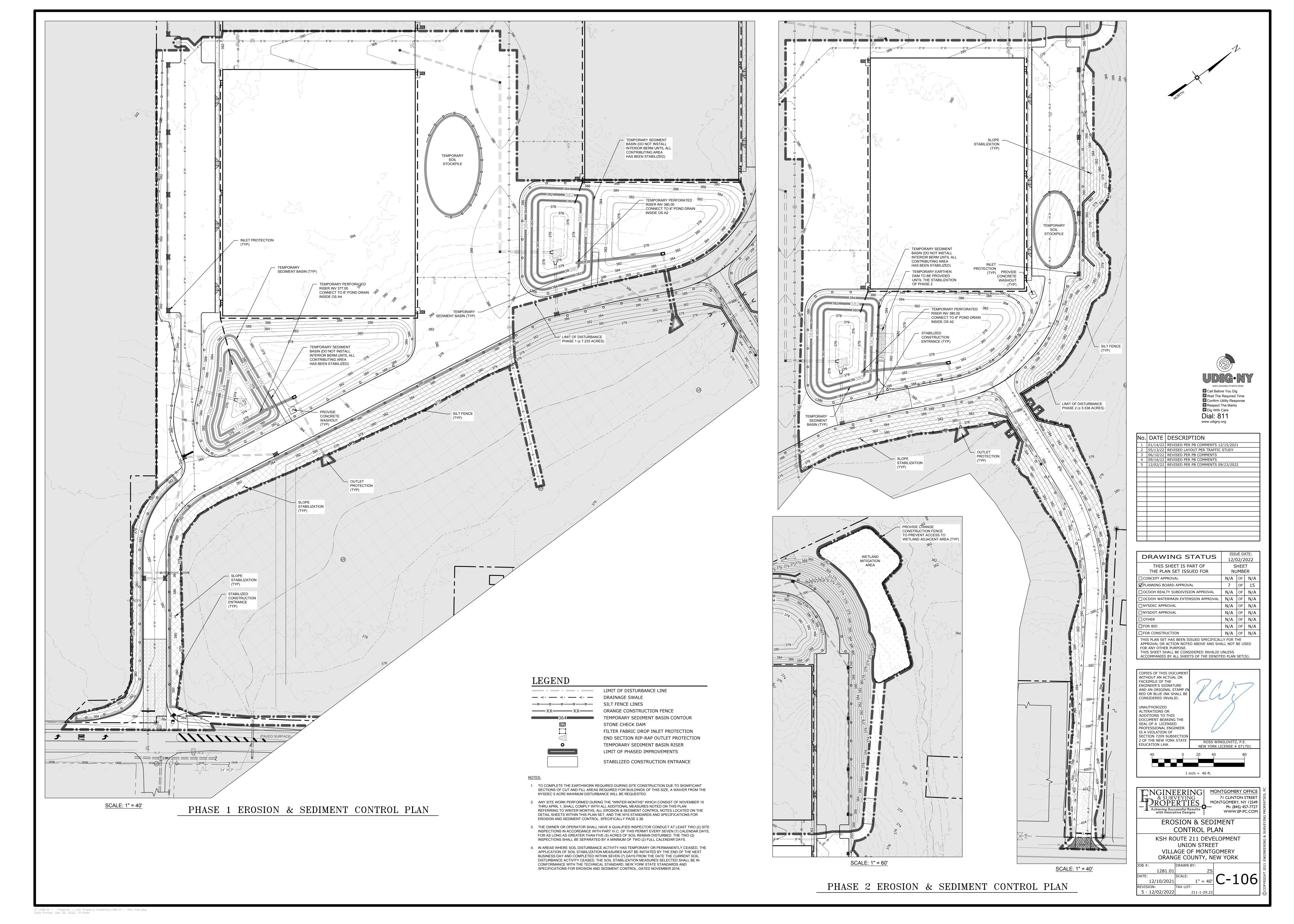


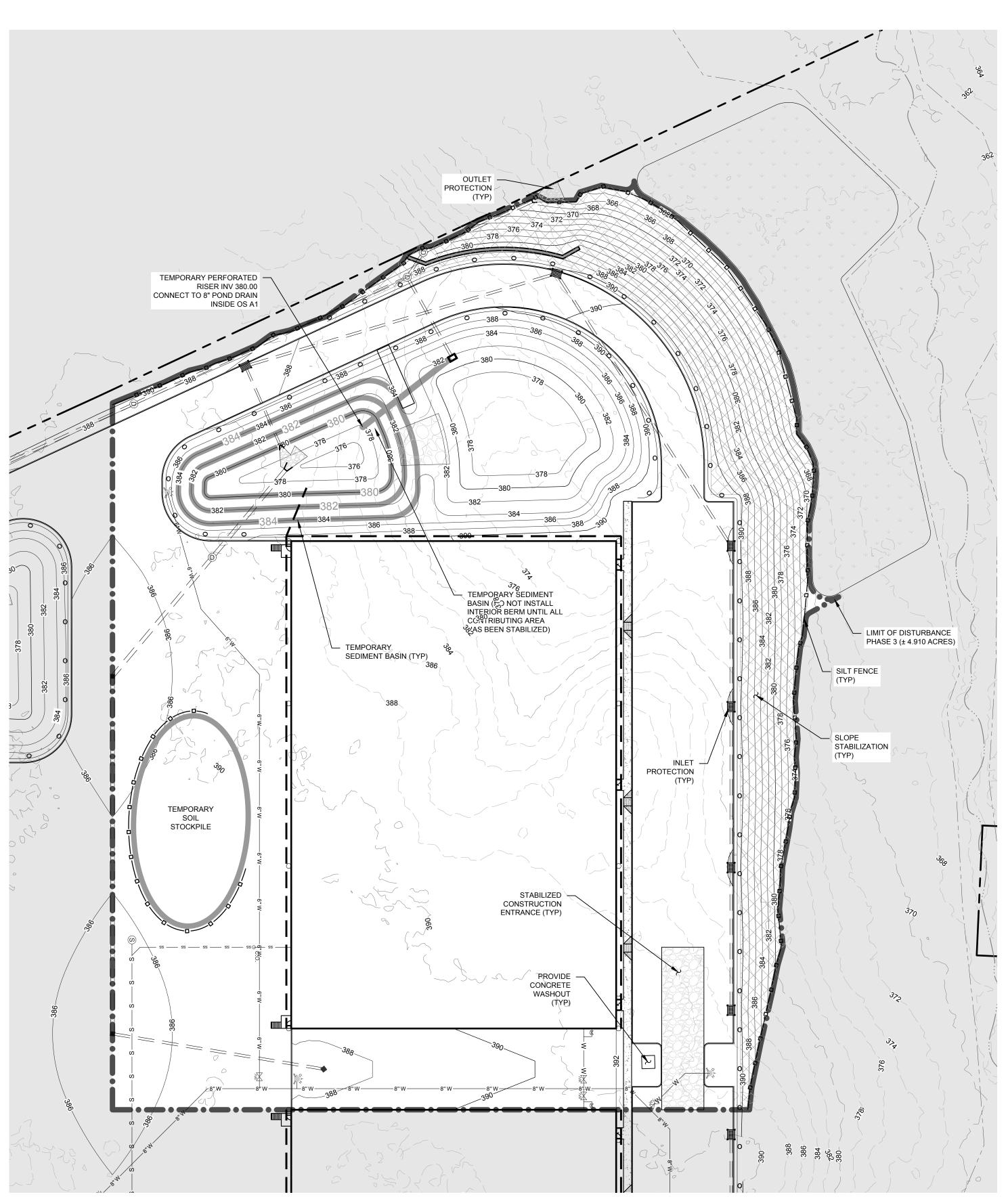






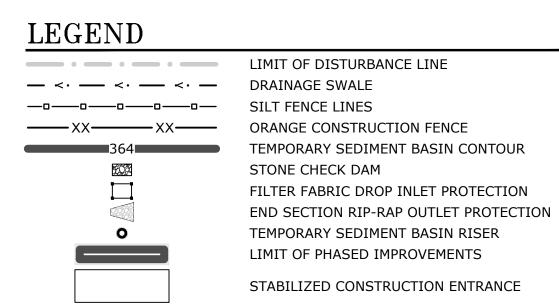


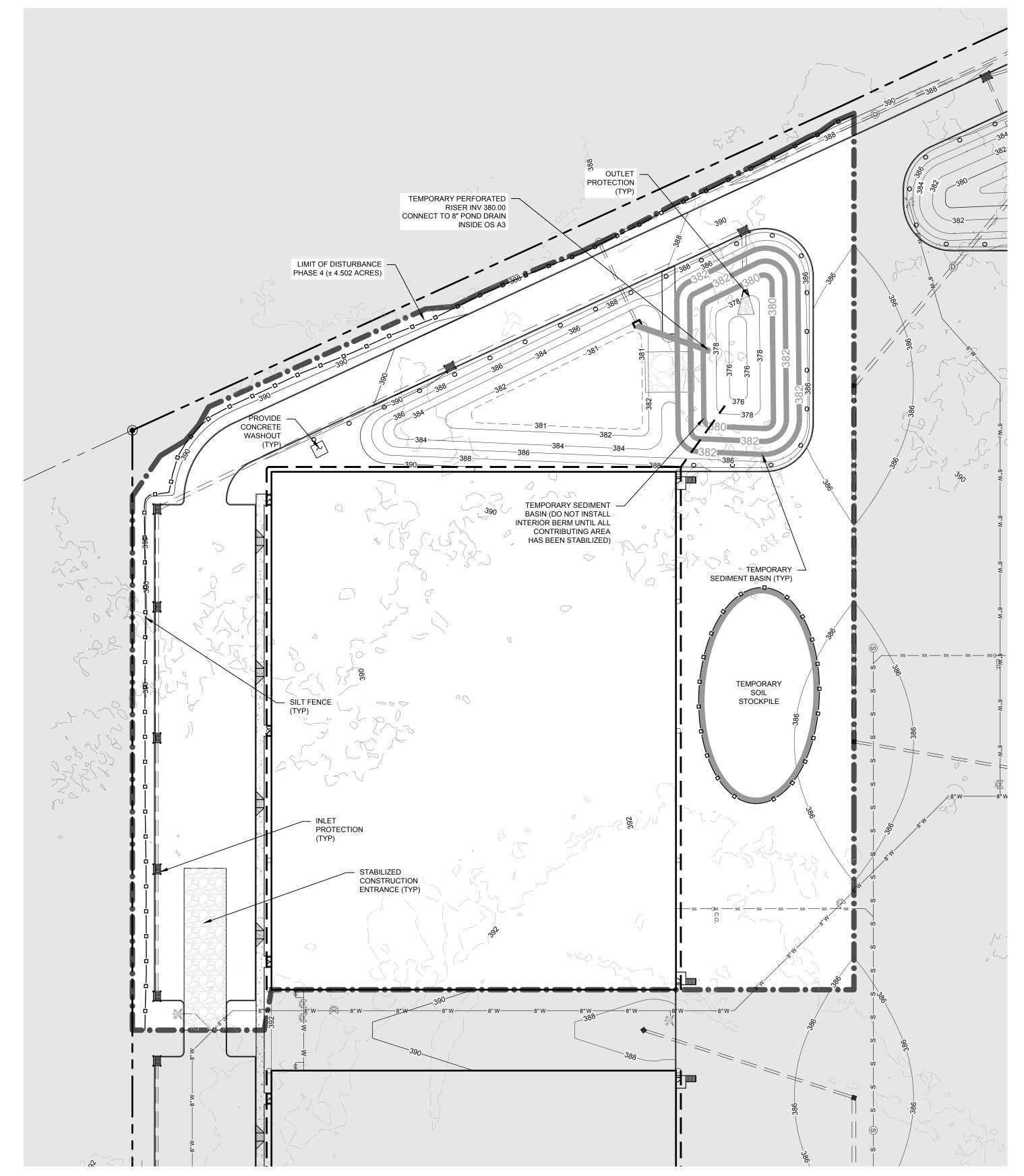




PHASE 3 EROSION & SEDIMENT CONTROL PLAN

SCALE: 1" = 40'





PHASE 4 EROSION & SEDIMENT CONTROL PLAN

SCALE: 1" = 40'

NOTES:

1. TO COMPLETE THE EARTHWORK REQUIRED DURING SITE CONSTRUCTION DUE TO SIGNIFICANT SECTIONS OF CUT AND FILL AREAS REQUIRED FOR BUILDINGS OF THIS SIZE, A WAIVER FROM THE

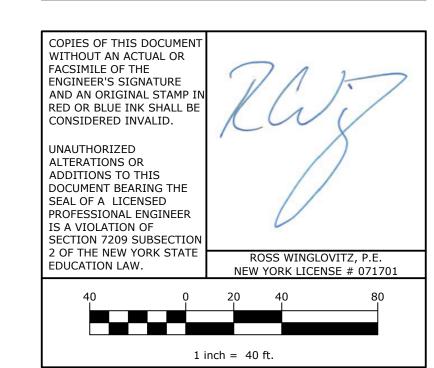
NYSDEC 5 ACRE MAXIMUM DISTURBANCE WILL BE REQUESTED.

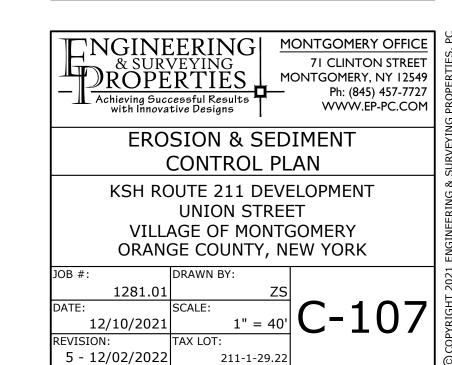
- ANY SITE WORK PERFORMED DURING THE "WINTER MONTHS" WHICH CONSIST OF NOVEMBER 15
 THRU APRIL 1, SHALL COMPLY WITH ALL ADDITIONAL MEASURES NOTED ON THIS PLAN
 REFERRING TO WINTER MONTHS, ALL EROSION & SEDIMENT CONTROL NOTES LOCATED ON THE
 DETAIL SHEETS WITHIN THIS PLAN SET, AND THE NYS STANDARDS AND SPECIFICATIONS FOR
 EROSION AND SEDIMENT CONTROL, SPECIFICALLY PAGE 2.38.
- 3. THE OWNER OR OPERATOR SHALL HAVE A QUALIFIED INSPECTOR CONDUCT AT LEAST TWO (2) SITE INSPECTIONS IN ACCORDANCE WITH PART IV.C. OF THIS PERMIT EVERY SEVEN (7) CALENDAR DAYS, FOR AS LONG AS GREATER THAN FIVE (5) ACRES OF SOIL REMAIN DISTURBED. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.
- 4. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN SEVEN (7) DAYS FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED. THE SOIL STABILIZATION MEASURES SELECTED SHALL BE IN CONFORMANCE WITH THE TECHNICAL STANDARD, NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, DATED NOVEMBER 2016.



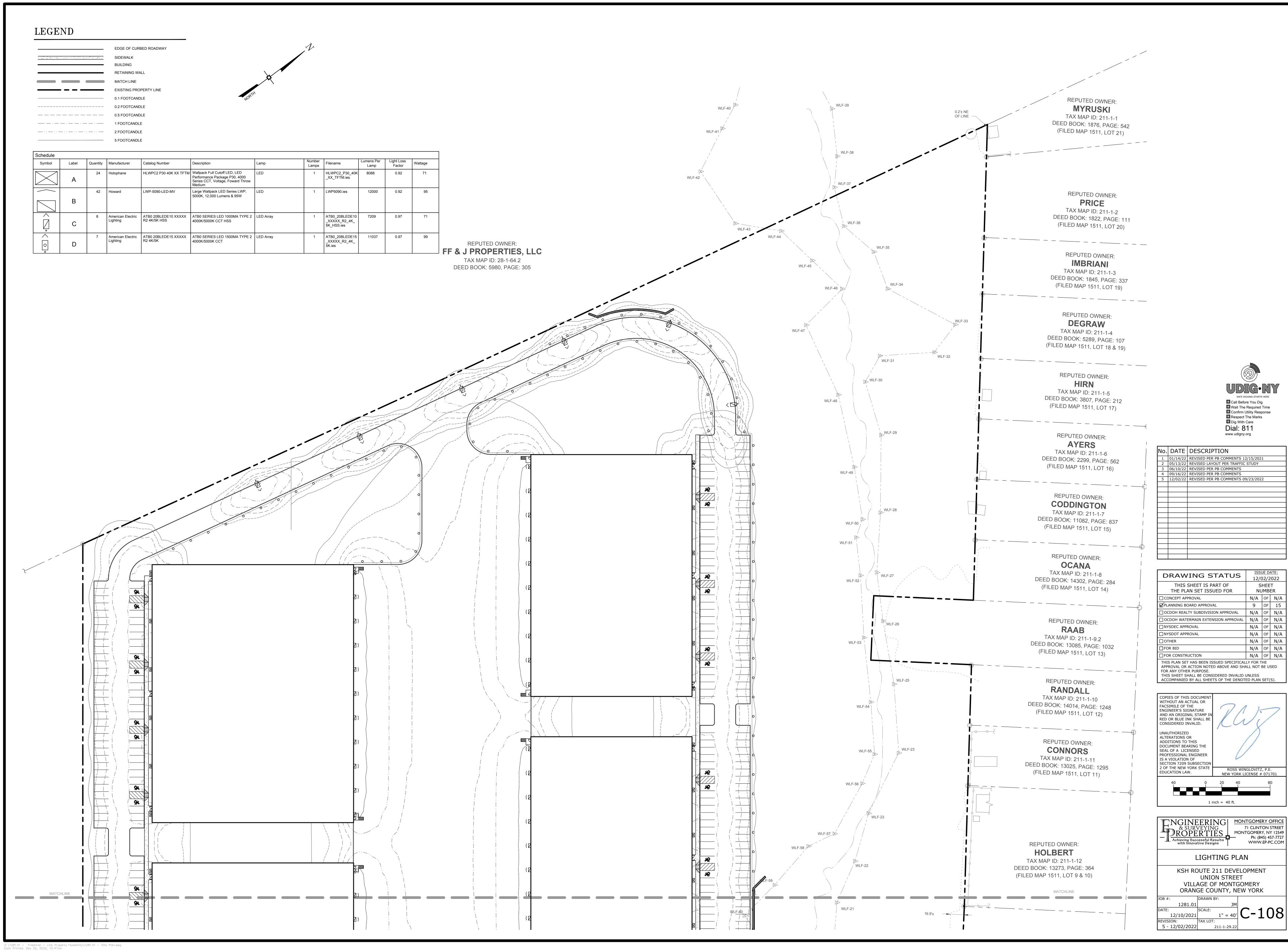
No.	DATE	DESCRIPTION
1	01/14/22	REVISED PER PB COMMENTS 12/15/2021
2	05/13/22	REVISED LAYOUT PER TRAFFIC STUDY
3	06/10/22	REVISED PER PB COMMENTS
4	09/16/22	REVISED PER PB COMMENTS
5	12/02/22	REVISED PER PB COMMENTS 09/23/2022
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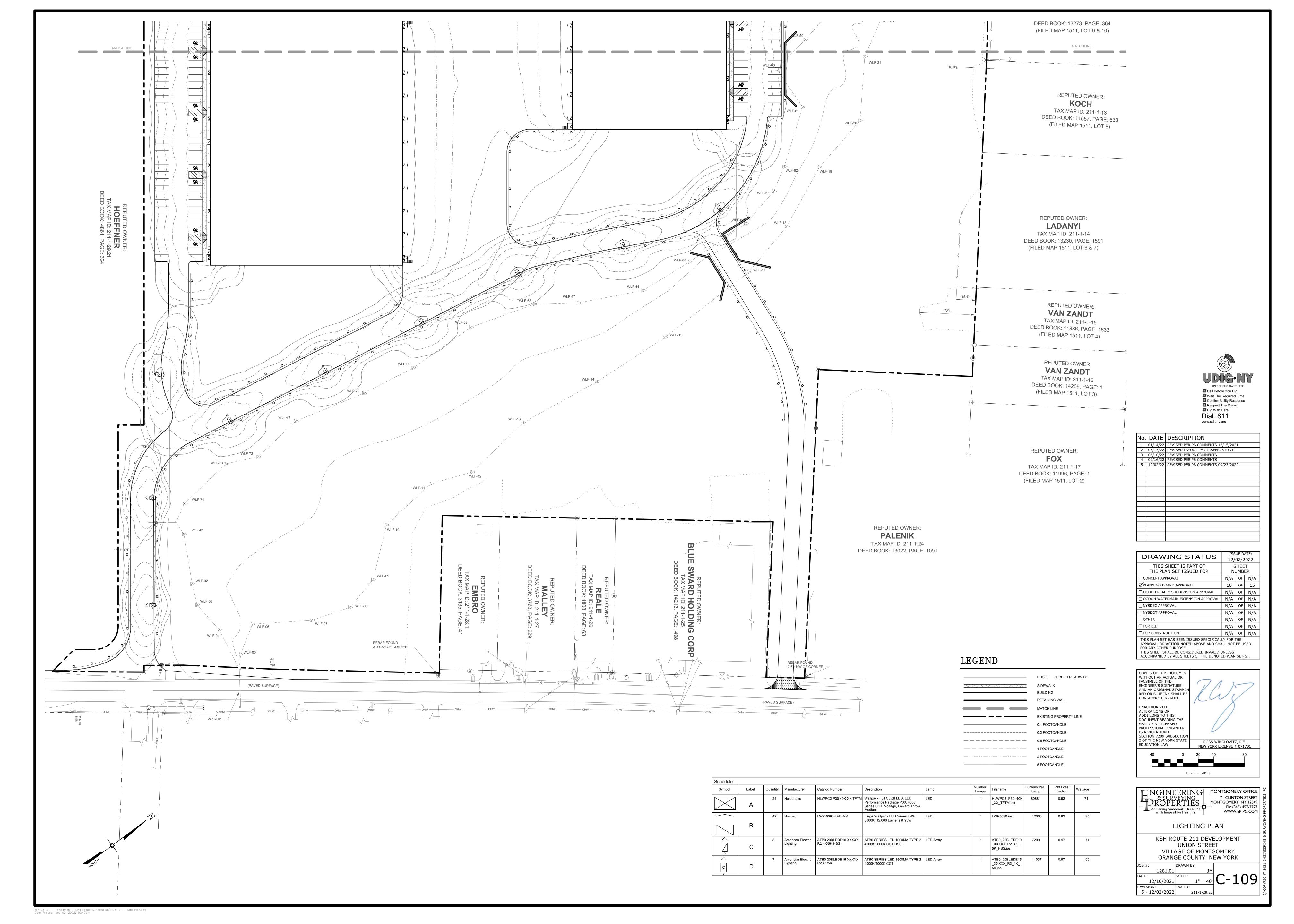
DRAWING STATUS		UE DATE:			
B10.001103	12/0)2/2	2022		
THIS SHEET IS PART OF THE PLAN SET ISSUED FOR	1	HEE JMBI	-		
☐ CONCEPT APPROVAL	N/A	OF	N/A		
☑ PLANNING BOARD APPROVAL	8	OF	15		
OCDOH REALTY SUBDIVISION APPROVAL	N/A	OF	N/A		
OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A		
NYSDEC APPROVAL	N/A	OF	N/A		
NYSDOT APPROVAL	N/A	OF	N/A		
OTHER	N/A	OF	N/A		
☐ FOR BID	N/A	OF	N/A		
☐ FOR CONSTRUCTION	N/A	OF	N/A		
THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).					

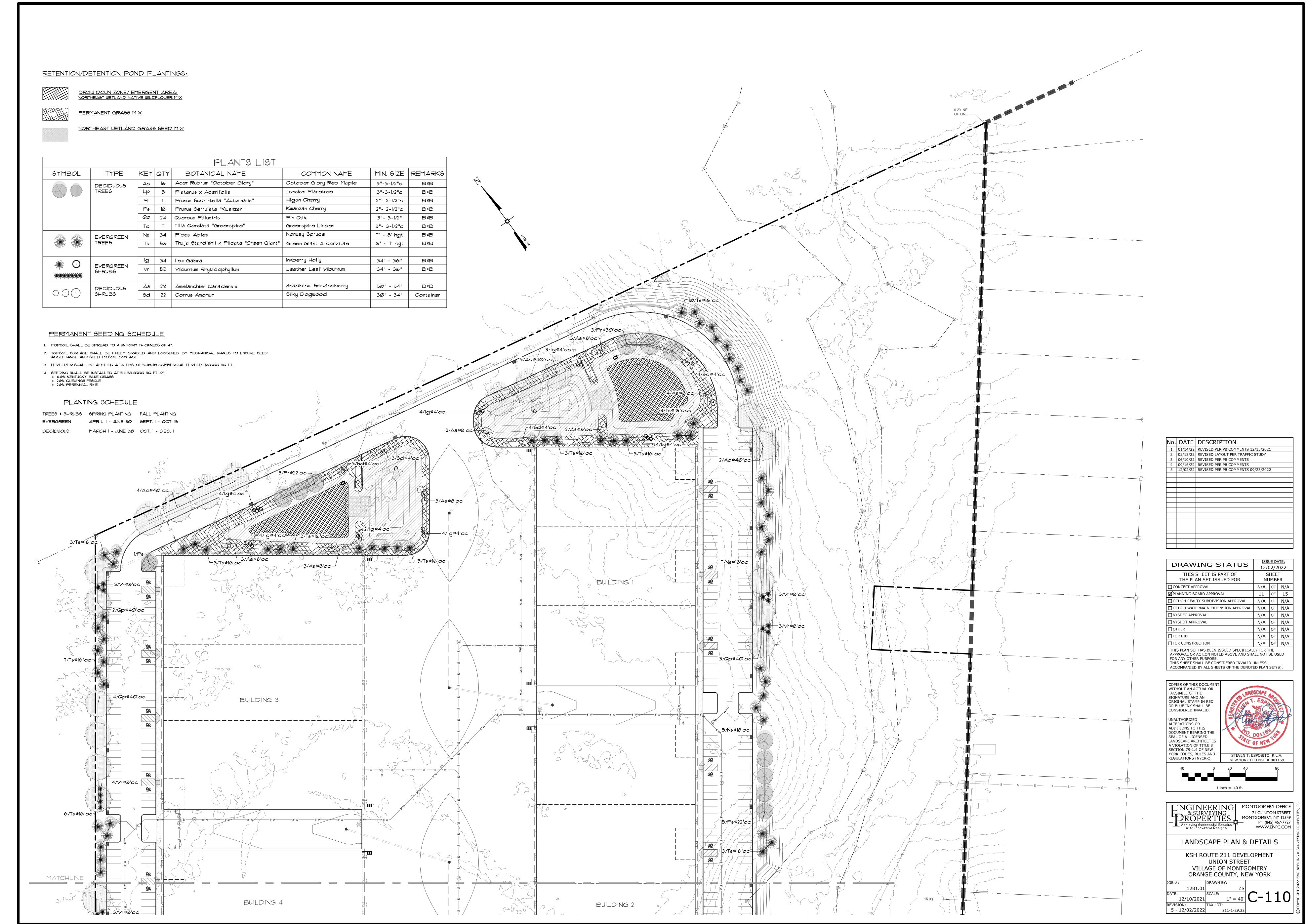


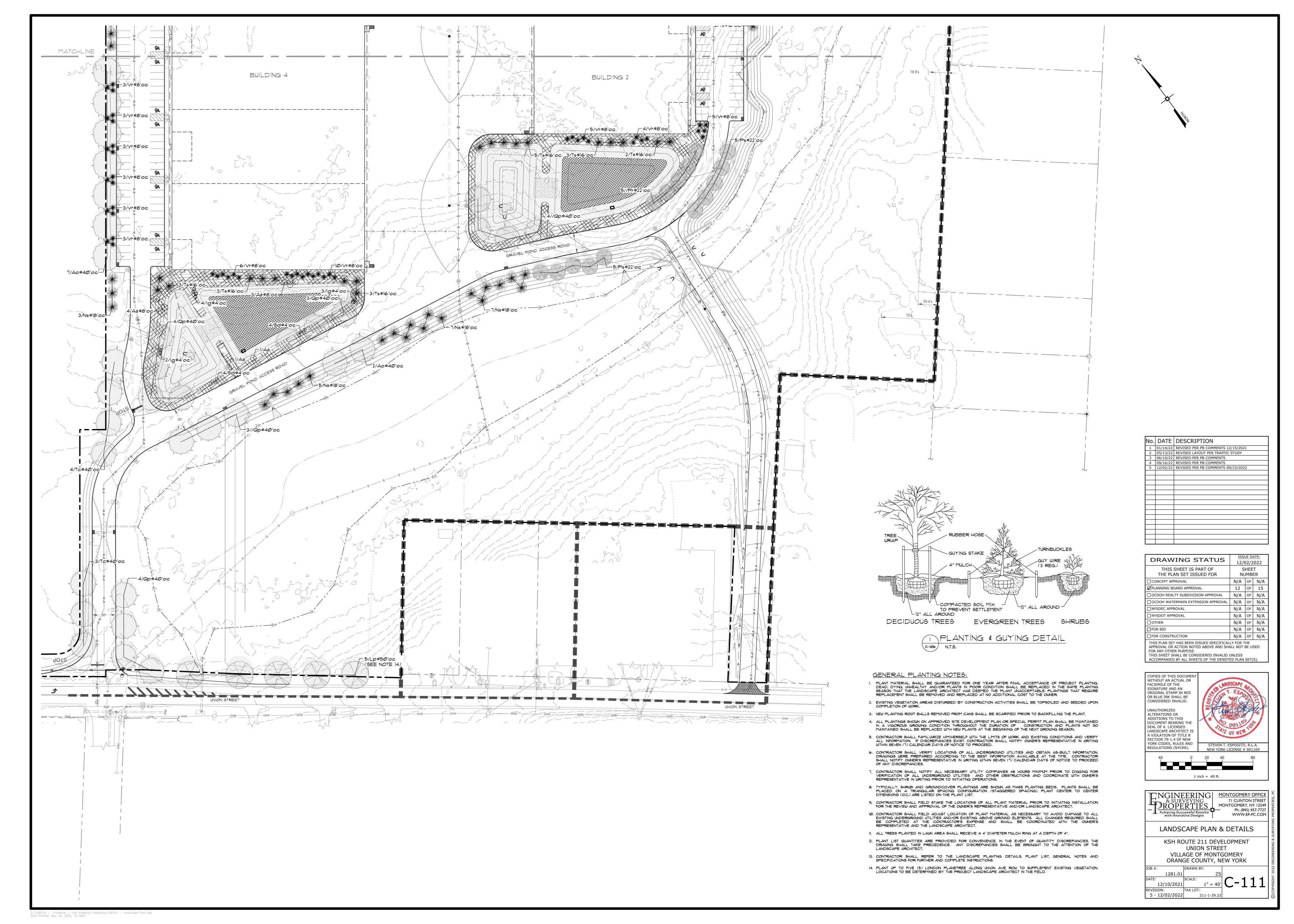


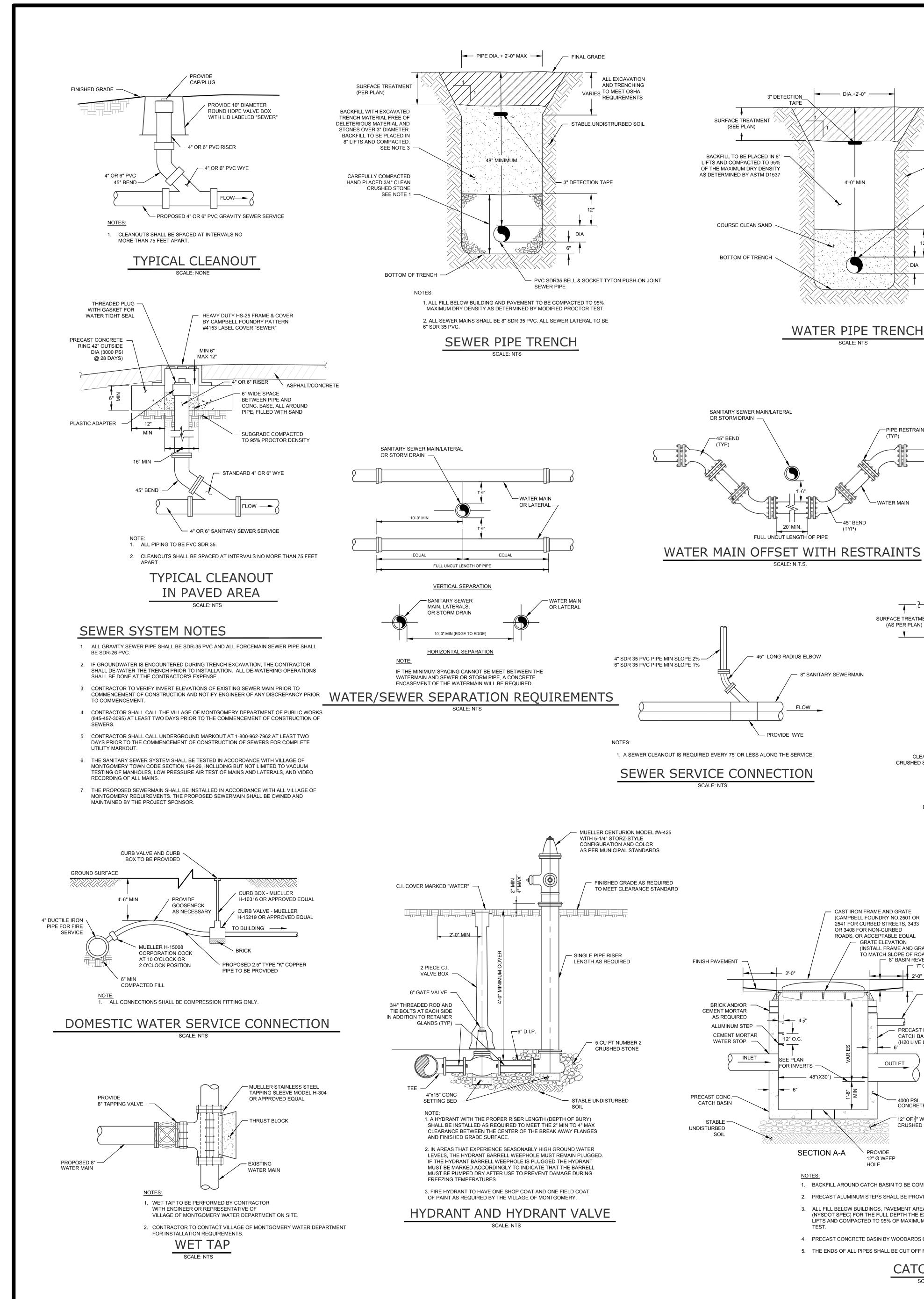
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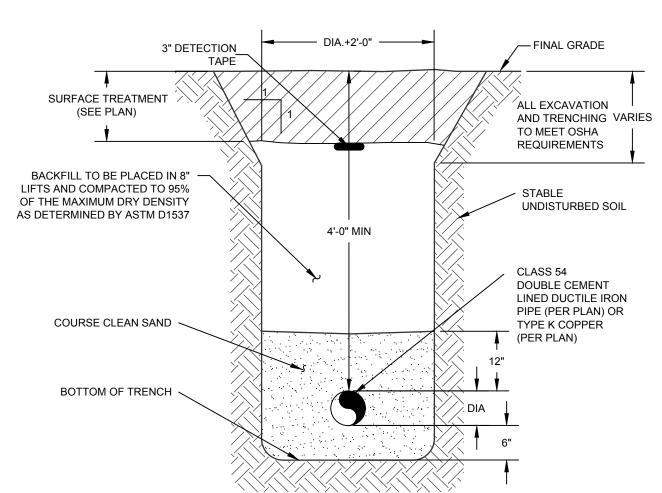












SURFACE TREATMENT

— 8" SANITARY SEWERMAIN

(AS PER PLAN)

CLEAN 3/4"

BOTTOM OF TRENCH

CRUSHED STONE

- CAST IRON FRAME AND GRATE

OR 3408 FOR NON-CURBED

—— 48"(X30")

SECTION A-A

(CAMPBELL FOUNDRY NO.2501 OR

2541 FOR CURBED STREETS, 3433

ROADS, OR ACCEPTABLE EQUAL

GRATE ELEVATION

(INSTALL FRAME AND GRATE

TO MATCH SLOPE OF ROAD

8" BASIN REVEAL

CATCH BASIN

(H20 LIVE LOAD)

-12" OF $\frac{3}{4}"$ WASHED

CRUSHED STONE

4. PRECAST CONCRETE BASIN BY WOODARDS CONCRETE PRODUCTS OR APPROVED EQUAL.

5. THE ENDS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE OF CATCH BASIN.

2. PRECAST ALUMINUM STEPS SHALL BE PROVIDED FOR ALL BASINS GREATER THAN FOUR FEET IN DEPTH.

3. ALL FILL BELOW BUILDINGS, PAVEMENT AREAS, SIDEWALKS, CURBS, ETC; SHALL BE WITH R.O.B. GRAVEL

(NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE PLACED IN 8" MAXIMUM

LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR

12" Ø WEEP

1. BACKFILL AROUND CATCH BASIN TO BE COMPACTED IN MAX 8" LIFTS.

7" CURB REVEAL

TIE IN CURB

UNDERDRAINS

WHERE APPLICABLE

PRECAST REINFORCED (SEE PLANS FOR

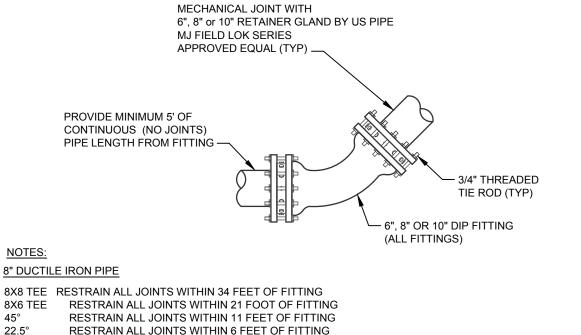
PRECAST INVERT

OPENING SET BY

INVERT ELEVATIONS)—

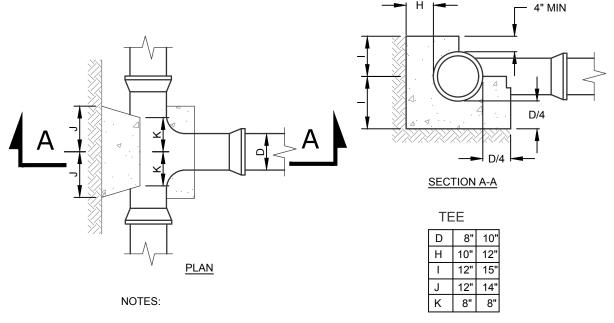
PROVIDE 12" Ø -

WEEP HOLE



8" DUCTILE IRON PIPE 8X8 TEE RESTRAIN ALL JOINTS WITHIN 34 FEET OF FITTING 8X6 TEE RESTRAIN ALL JOINTS WITHIN 21 FOOT OF FITTING RESTRAIN ALL JOINTS WITHIN 6 FEET OF FITTING RESTRAIN ALL JOINTS WITHIN 3 FEET OF FITTING

PIPE RESTRAINT (RETAINER GLAND) DETAIL



1. ALL CONCRETE TO BE 3000 PSI.

COVER BY MUELLER WITH

FINISHED GRADE

5 1/4" DIA VALVE BOX MODEL H-10316 BY

MUELLER OR APPROVED EQUAL

- RESILIENT WEDGE GATE VALVE AS MANUFACTURED

OR APPROVED EQUAL

-8" THICK CONCRETE SETTING BED,

BY MUELLER MODEL # A-2360.

8" RETAINER GLAND

MECHANICAL JOINT WITH

BY EBAA "MEGALUG" SERIES

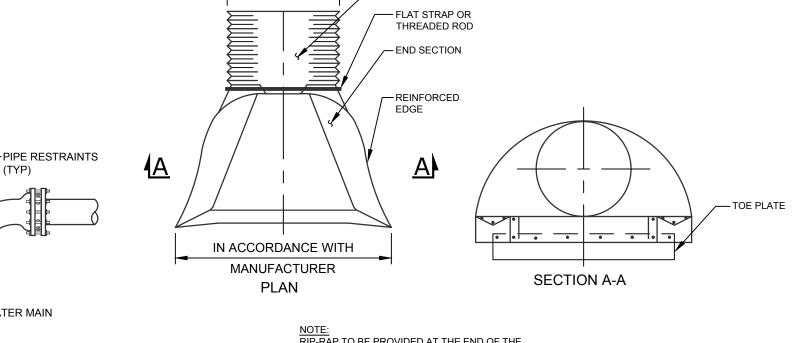
1100 OR APPROVED EQUAL

WITH WEDGE BOLTS AND

BREAK OFF NUTS (TYP)

"WATER" CAST IN TOP

- 2. ALL THRUST BLOCKS TO BE CARRIED TO UNDISTURBED EARTH.
- 3. THRUST BLOCK DIMENSIONS SHOWN ARE MINIMUM.
- 4. ALL FITTINGS ARE TO INCLUDE THRUST BLOCKS AND RETAINER GLANDS.



PIPE DIA

2'-0"MIN + DIA

1. ALL BACKFILL WITHIN THE ROAD RIGHT-OF-WAY SHALL BE WITH R.O.B. GRAVEL

PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY

DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST.

2. ALL DRAINAGE PIPE SHALL BE HDPE WITH A SMOOTH INVERT.

3. ALL EXCAVATION AND TRENCHING TO MEET OSHA REQUIREMENTS.

DRAINAGE PIPE TRENCH

SCALE: NTS

(NYSDOT SPEC) FOR THE FULL DEPTH THE EXCAVATION. BACKFILL SHALL BE

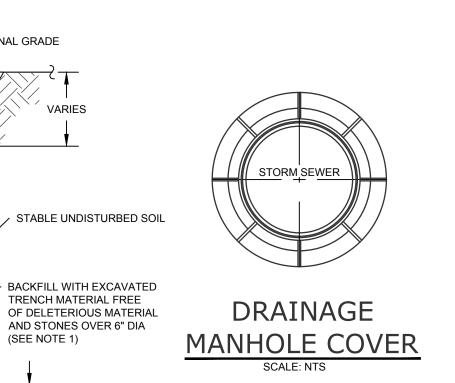
SECTION B-B

NOTE:
RIP-RAP TO BE PROVIDED AT THE END OF THE FLARED END SECTION AS PER PLANS. FLARED END SECTION

(SEE NOTE 1)

PER PLAN)

RIM ELEV LOCATION



OR SOLID CONCRETE BLOCK, 15" SQUARE (TYP) 3,000 PSI CONC. 1. ALL VALVES TO INCLUDE MEGA-LUG RETAINER GLANDS AND BE RODDED BACK TO THE ADJACENT TEE IN THE WATERMAIN. INLINE VALVES NEED NOT BE RODDED. CONTRACTOR TO UTILIZE 3" DIA. GALVANIZED STEEL RODS WITH MALLEABLE IRON NUTS

12"X12"X4" CONCRETE -

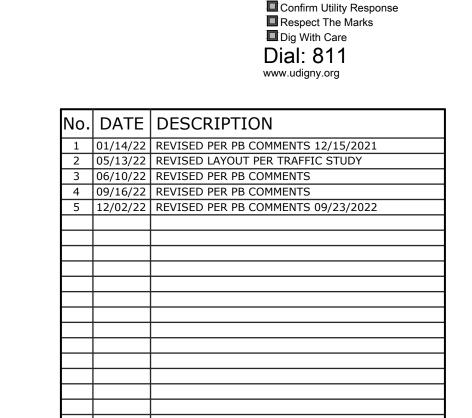
SUPPORT

COMPACTED

SUBGRADE-

2. WATERMAIN VALVES FOR FOUR INCH THROUGH FORTY EIGHT INCH SHALL BE RESILIENT WEDGE GATE VALVES AS MANUFACTURED BY MUELLER, MODEL #A-2360. VALVES SHALL BE PROVIDED WITH AN EXTENSION SERVICE BOX TO GRADE.

3. MAIN LINE VALVES TO BE SPACED TO NO FURTHER THAN 500 FEET APART IN COMMERCIAL DISTRICTS AND 800 FEET IN OTHER DISTRICTS.



DRAWING STATUS

THIS SHEET IS PART OF THE PLAN SET ISSUED FOR

OCDOH REALTY SUBDIVISION APPROVAL

CONCEPT APPROVAL

NYSDEC APPROVAL

NYSDOT APPROVAL

OTHER

FOR BID

☑ PLANNING BOARD APPROVAL

Call Before You Dig

■ Wait The Required Time

12/02/2022

NUMBER

N/A | OF | N/A

N/A OF N/A

N/A OF N/A

N/A |OF| N/A

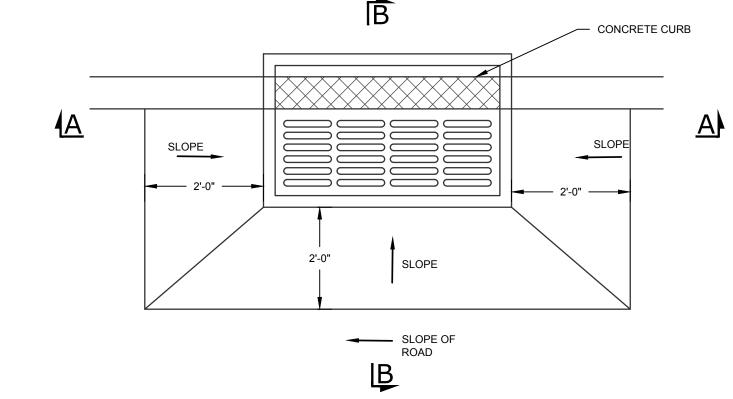
N/A OF N/A

WATER SYSTEM NOTES

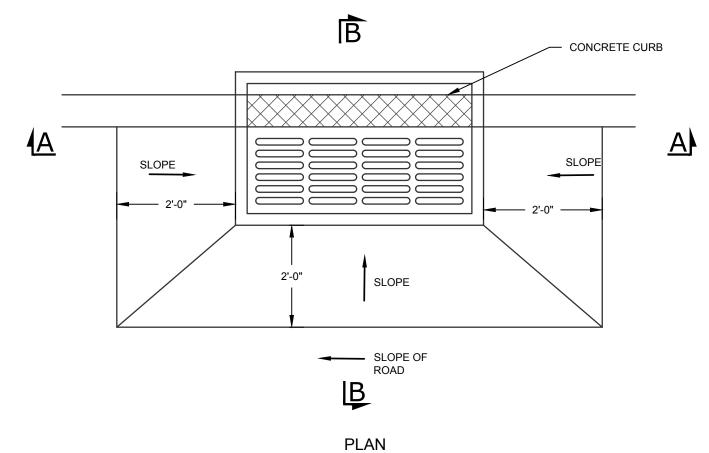
- 1. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER AND SEWER UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 2. CONTRACTOR TO CALL UNDERGROUND MARK-OUT AT LEAST 2 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AT 1-800-962-7962 FOR COMPLETE UTILITIES MARKOUT.
- 3. CONTRACTOR TO CONTACT VILLAGE OF MONTGOMERY DEPARTMENT OF PUBLIC WORKS AT LEAST 2 DAYS PRIOR TO CONSTRUCTION.
- 4. WATER MAIN 4" OR LARGER TO BE CLASS 54 BITUMINOUS COATED DOUBLE CEMENT LINED DUCTILE IRON PIPE.
- 5. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY OF ANY DEVIATION FROM HORIZONTAL OR VERTICAL ALIGNMENTS WITH REGARDS TO EXISTING UTILITIES BEFORE PROCEEDING.

6. A CERTIFIED AS BUILT MAP OF THE WATER SYSTEM IMPROVEMENTS SHALL BE PROVIDED TO

- THE VILLAGE OF MONTGOMERY WATER DEPARTMENT BY A LICENSED DESIGN PROFESSIONAL 7. THIS PROJECT HAS DEMONSTRATED AN AVAILABLE FLOW OF 2,076 GALLONS PER MINUTE
- WHILE MAINTAINING A MINIMUM OF 20 PSI AT ALL POINTS IN THE DISTRIBUTION SYSTEM. THIS VALUE SHOULD BE COMPARED TO THE NEEDED FIRE FLOW (NFF) FOR THE PROPOSED CONSTRUCTION IN ACCORDANCE WITH THE INSURANCE SERVICES OFFICE (ISO) GUIDELINES. PER THE RECOMMENDED STANDARDS FOR WATER WORKS (NYS SANITY CODE PART 5, APPENDIX 5-A). THE NEEDED FIRE FLOW FOR THE PROPOSED CONSTRUCTION IS 500 GPM AAS PER ISO GUIDELINES.
- 8. ALL PIPE, FIXTURES AND FITTINGS MUST COMPLY WITH THE FEDERAL "SAFE DRINKING WATER ACT", SECTION 1417 WHICH REQUIRES ALL SURFACES IN CONTACT WITH POTABLE WATER CONTAIN NO MORE THAN 0.25% LEAD BY WEIGHT.
- 9. THE VILLAGE OF MONTGOMERY COMMISSIONER OF PUBLIC WORKS OR HIS DESIGNATED REPRESENTATIVE MUST BE INFORMED OF ANY HYDROSTATIC OR BACTERIOLOGICAL TESTING
- 10. THE VILLAGE OF MONTGOMERY COMMISSIONER OR PUBLIC WORKS OR HIS DESIGNATED REPRESENTATIVE MUST ACCEPT HYDROSTATIC AND BACTERIOLOGICAL TEST RESULTS AS
- 11. THE PROPOSED WATERMAIN SHALL BE INSTALLED IN ACCORDANCE WITH ALL VILLAGE OF MONTGOMERY REQUIREMENTS. THE PROPOSED WATERMAIN SHALL BE OWNED AND MAINTAINED BY THE PROJECT SPONSOR.



TO PERMIT THE TESTING TO BE WITNESSED.



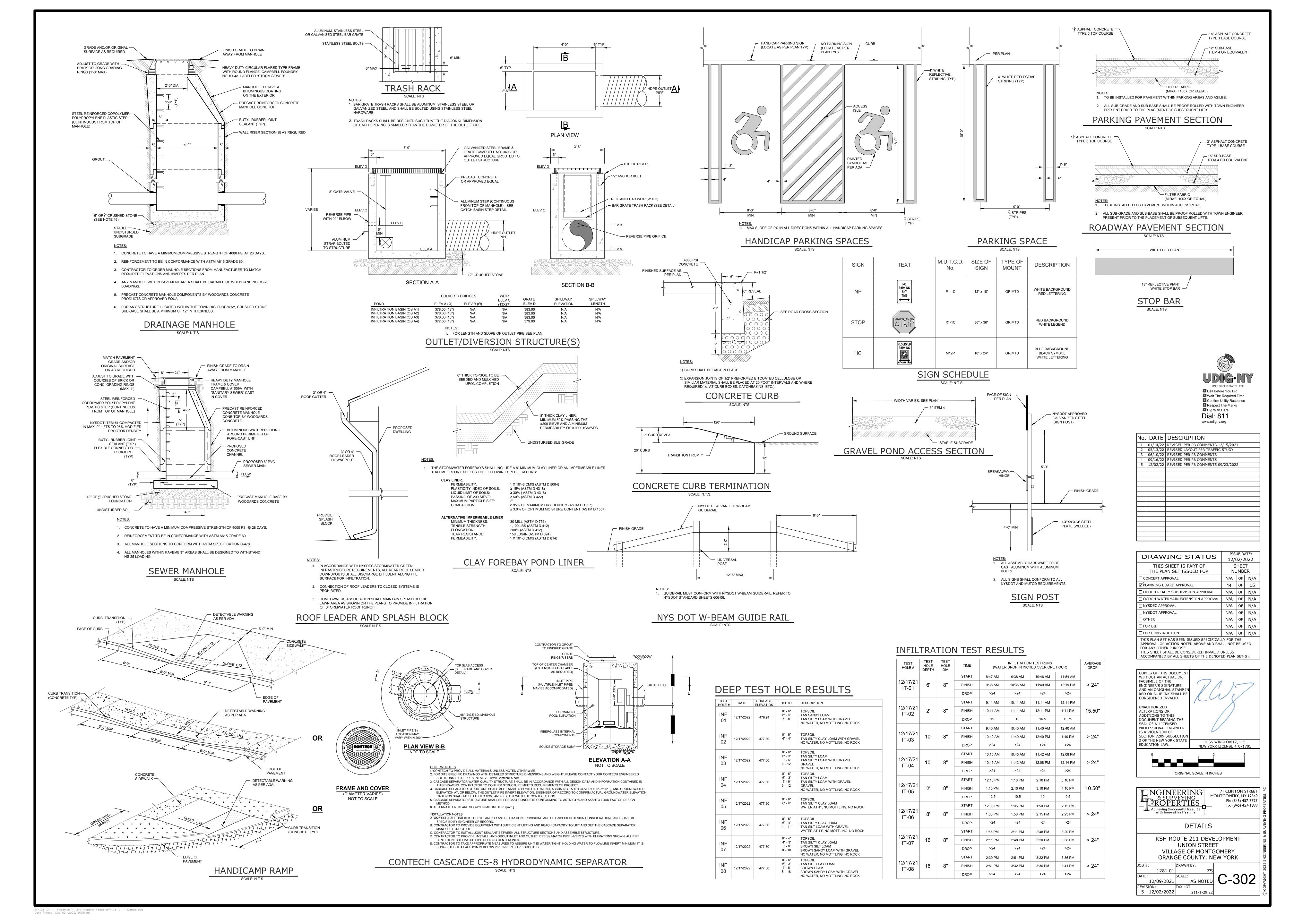
FOR CONSTRUCTION		N/A	OF N/A
THIS PLAN SET HAS BEEN IS APPROVAL OR ACTION NOTE FOR ANY OTHER PURPOSE. THIS SHEET SHALL BE CONS ACCOMPANIED BY ALL SHEE	D ABOVE AND SHA	ALL NOT I	BE USED
COPIES OF THIS DOCUMENT			
WITHOUT AN ACTUAL OR FACSIMILE OF THE ENGINEER'S SIGNATURE AND AN ORIGINAL STAMP IN RED OR BLUE INK SHALL BE CONSIDERED INVALID.	Za	1.	7
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209 SUBSECTION			
2 OF THE NEW YORK STATE EDUCATION LAW.	ROSS WIN NEW YORK LI		

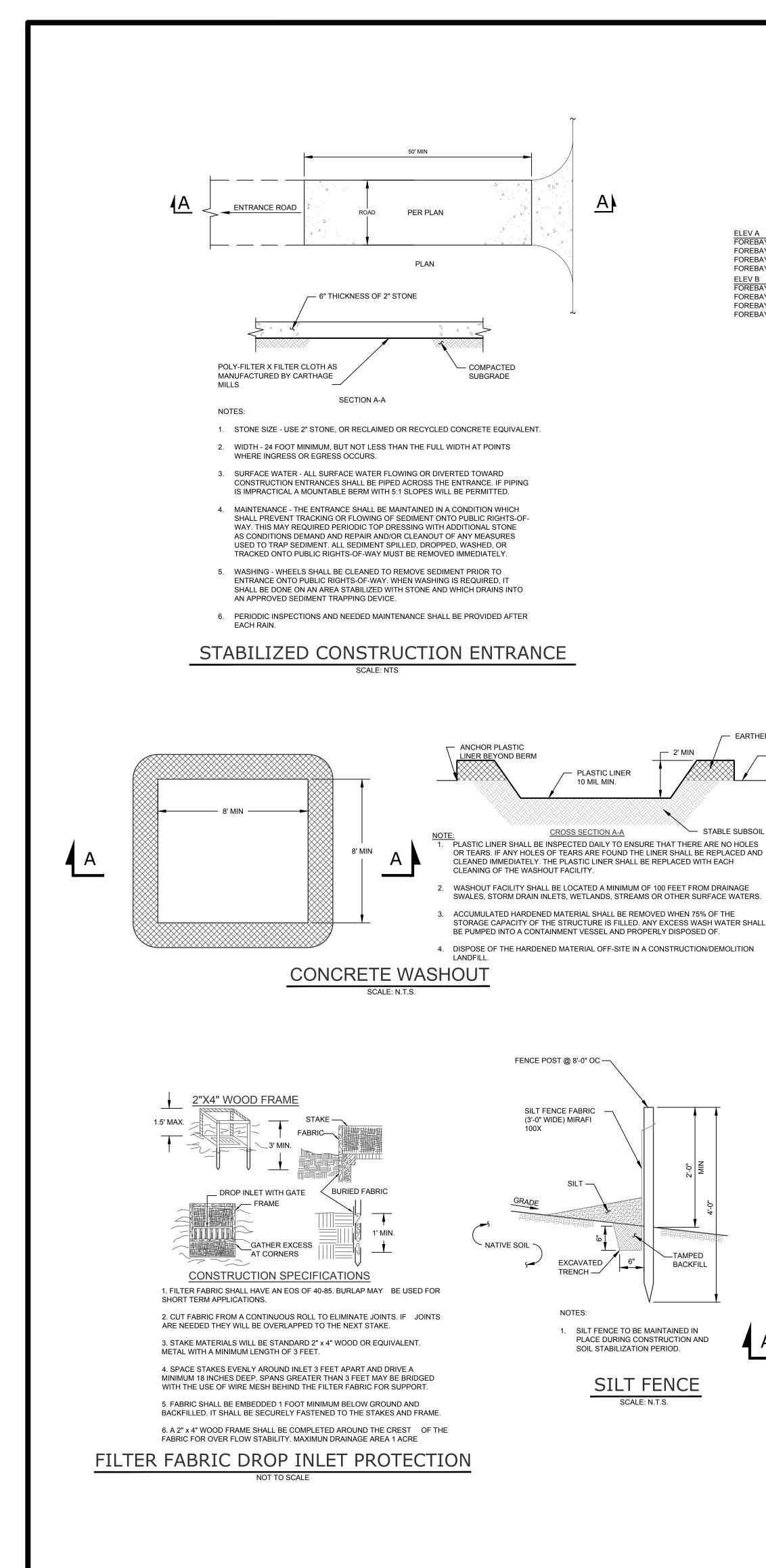
OCDOH WATERMAIN EXTENSION APPROVAL | N/A OF N/A

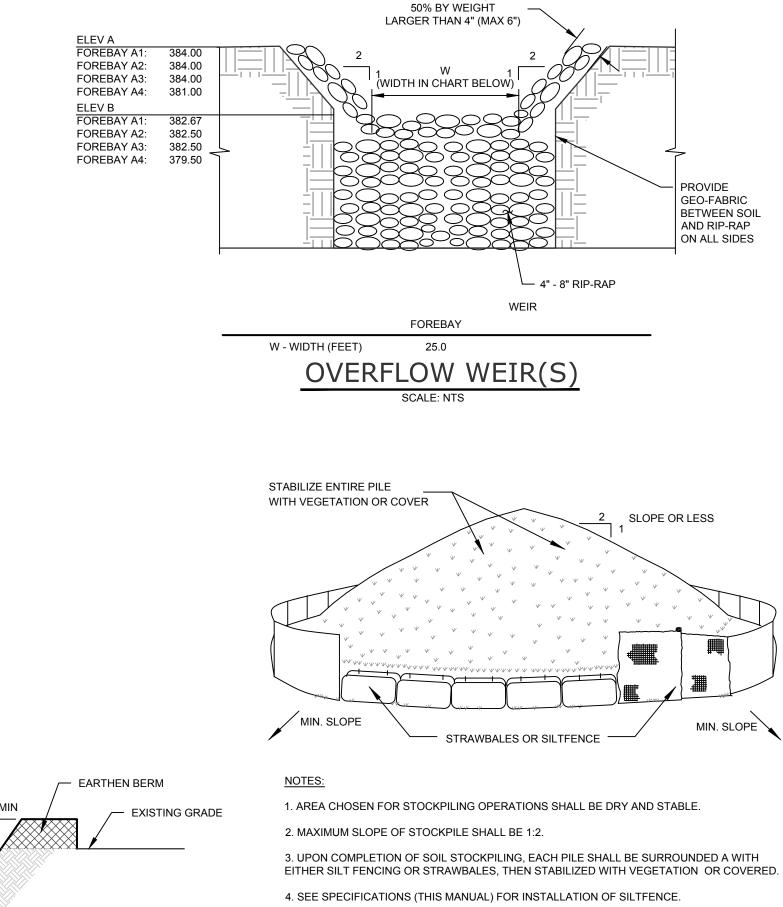
ROPE & SURV	VEIING	71 CLINTON STREET IONTGOMERY, NY 12549 Ph: (845) 457-7727 Fx: (845) 457-1899			
	DETAILS				
KSH ROUTE 211 DEVELOPMENT UNION STREET VILLAGE OF MONTGOMERY ORANGE COUNTY, NEW YORK					
JOB #: 1281.01	DRAWN BY:				
DATE: 12/09/2021	SCALE: AS NOTED	C-301			
REVISION: 5 - 12/02/2022	TAX LOT: 211-1-29.22				
5 12,02,2022	211-1-29.22	1			

ORIGINAL SCALE IN INCHES

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9" THICK MINIMUM, WITH

GEO-FABRIO /____/ BETWEEN SOIL AND RIP-RAP ON ALL SIDES 1. ROLLED EROSION CONTROL PRODUCT (RECP'S) SHALL BE USED ON ALL CONSTRUCTED SLOPES GREATER THAN 3 HORIZONTAL 2. PREPARATION OF THE SOIL INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED SHALL BE COMPLETED SLOPE OR LESS PRIOR TO INSTALLATION OF ANY RECP'S. 3. INSTALL RECP - NORTH AMERICAN GREEN BIONET S150BN OR APPROVED EQUAL. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP BY 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIAMTELY 12" APART IN THE BOTTON OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACE APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP'S. 4. ROLL THE RECP'S DOWN THE SLOPE OR HORZONTALLY ACROSS THE SLOPE. ALL RECP'S MUST BE SECURLY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE PRODUCT'S STAPLE PATTERN GUIDE.

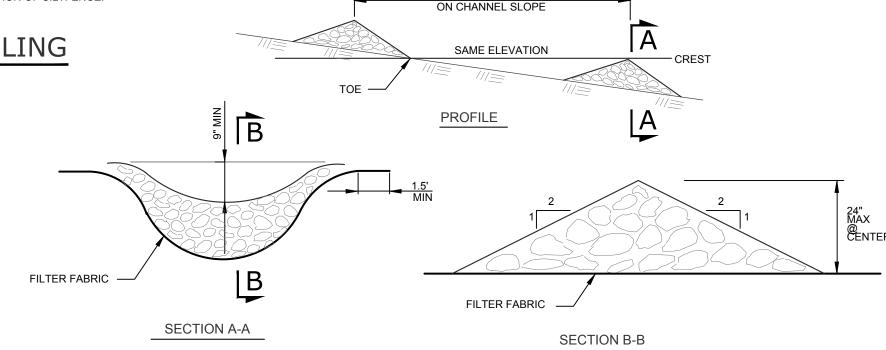
SLOPE STABILIZATION (ROLLED EROSION CONTROL PRODUCT)

5. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" TO 5" OVERLAP DEPENDING ON RECP'S TYPE.

3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS THE ENTIRE RECP'S WIDTH.

6. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIAMATE

TOP OF SLOPE



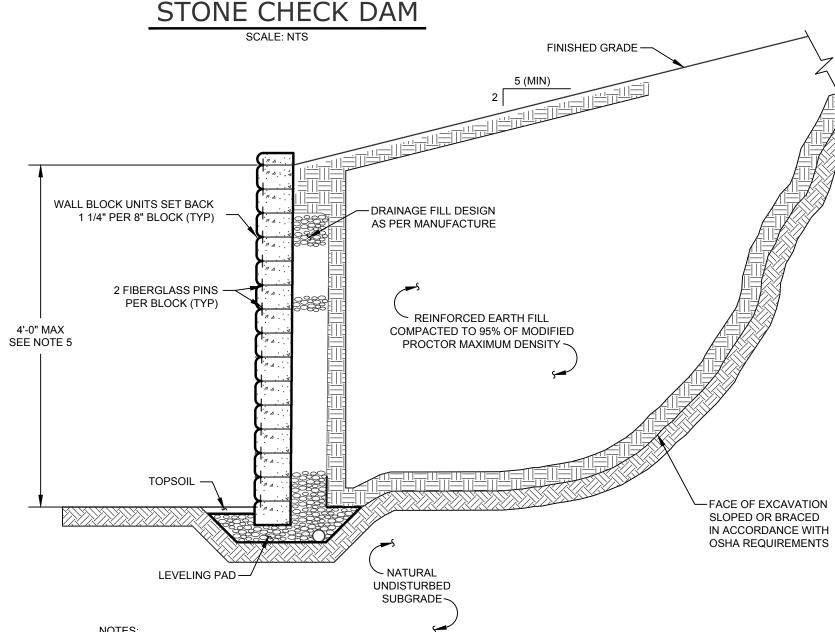
SPACING VARIES DEPENDING

CONSTRUCTION SPECIFICATIONS:

- 1. STONE SHALL BE MAXIMUM SIZE OF 12" WITH 50 TO 100 PERCENT BY WEIGHT LARGER THAN 6" AND 0 TO 10 PERCENT SMALLER THAN 1/2".
- 2. FILTER FABRIC SHALL BE POLY-FILTER X CLOTH AS MANUFACTURED BY CARTHAGE MILLS
- 3. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION AT LOCATIONS SHOWN ON THE PLAN.
- 4. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
- 5. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.

ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

- 6. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- 7. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS



OUTLET PROTECTION SIZING CALCULATIONS

END SECTION	DIA. (in)	Q _{MAX} (cfs)	V _{MAX} (ft/s)	D ₅₀ (in)	D _{MAX} (in)	L (ft)	W (ft)	T (in)	H (in)
FES A2	18	21.3	12.1	4	6	18	19.5	18	18
FES A4	18	15.1	8.5	4	6	12	13.5	18	18
FES 4	24	29.6	9.4	9	15	18	20	24	24
FES 11	15	8.4	6.8	4	6	10	11.25	15	15
FES 18	24	87.2	27.8	15	24	32	34	24	24
FES 23	24	38.9	12.4	9	15	21	23	24	24
FES 31	24	29.6	9.4	9	15	18	20	24	24
FES 38	24	29.7	9.5	9	15	18	20	24	24
FES 47	18	34.9	19.7	6	9	21	22.5	18	18

SECTION A-A NON-WOVEN GEOTEXTILE FX-100HS AS MANUFACTURED BY CARTHAGE MILLS ROCK RIP-RAP SHALL BE WELL GRADED, WITH 50% BY WEIGHT LARGER THAN D AS NOTED IN SIZING CALCULATION SECTION B-B

NON-WOVEN GEOTEXTILE FX-100HS

AS MANUFACTURED BY CARTHAGE

FLARED END SECTION

FES OUTLET PROTECTION

ROCK RIPRAP ~

—TOP OF RIPRAP

1. PROPOSED KEYSTONE KS HALF CENTURY RETAINING WALL SHALL BE DESIGNED AS PER THE MANUFACTURER.

- 2. FENCING SHALL BE INSTALLED FOR AS SHOWN ON THE PLANS, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 3. COLORS TO MATCH FOUNDATION STONE.
- 4. FOR WALLS OVER HEIGHTS OF 4'-0" SEE SPECIFIC ENGINEERED WALL DETAILS AS PREPARED BY OTHERS
- 5. PRIOR TO CONSTRUCTION, DESIGN OF RETAINING WALLS SHALL BE PREPARED BY A LICENESED NEW YORK STATE PROFESSIONAL ENGINEERAND BE SUBMITTED TO THE VILLAGE OF MONTGOMERY BUILDING INSPECTOR / ENGINEER

TYPICAL MSE RETAINING WALL

EROSION AND SEDIMENTATION CONTROL NOTES

- SITE DISTURBANCE SHALL BE LIMITED TO THE MINIMUM NECESSARY GRADING AND VEGETATION REMOVAL REQUIRED FOR CONSTRUCTION.
- ORANGE CONSTRUCTION FENCE LOCATIONS SHALL BE STAKED BY A SURVEYOR AND INSTALLATION SHALL BE CONFIRMED BY THE ENGINEER PRIOR TO ANY LAND DISTURBANCE WITHIN 125 FEET OF AN EXISTING WETLAND AND IN AREAS WHERE TREES AND STONE WALLS ARE TO BE PRESERVED. ALL ORANGE CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION TO PROTECT SENSITIVE AREAS. THE ORANGE CONSTRUCTION FENCING WILL BE REMOVED UPON FINAL STABILIZATION OF ALL AREAS WITHIN 125 FEET OF FENCING.
- 3. TEMPORARY EROSION CONTROL MEASURES, INCLUDING SILT FENCES AND/OR STRAW BALE DIKES, DRAINAGE STRUCTURES, AND RIP-RAP PROTECTION SHALL BE INSTALLED PRIOR TO GROUND DISTURBANCE FOR GRADING AND CONSTRUCTION.
- 4. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL FOLLOWING DISTURBANCE TO STABILIZE BARE SOIL AND PROMOTE THE PROMPT RE-ESTABLISHMENT OF
- 4.1. AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING COMPACTED SOIL AND REMOVING SURFACE DEBRIS AND OBSTACLES. 4.2. LIME SHALL BE APPLIED SUFFICIENTLY TO ATTAIN A SOIL ACIDITY PH OF 6.0 TO 7.0.
- 4.3. FERTILIZER (5-10-10 MIXTURE OR EQUIVALENT) SHALL BE APPLIED PER SOIL TEST RESULTS OR AT A RATE OF 600 LBS PER ACRE 4.4. DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 30 DAYS SHALL BE SEEDED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER: 30 LBS. RYEGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS.
- CERTIFIED "AROOSTOOK" WINTER RYE (CEREAL RYE) PER ACRE. 4.5. PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN TOPSOIL AT THE FOLLOWING RATE: 8 LBS EMPIRE BIRDSFOOT TREFOIL OR COMMON WHITE CLOVER PER ACRE PLUS
- 20 LBS TALL FESCUE PER ACRE PLUS 2 LBS REDTOP OR 5 LBS RYEGRASS (PERENNIAL) PER ACRE 4.6. ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING,
- UNLESS OTHERWISE APPROVED 4.7. ALL DISTURBED AREAS SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY APPLYING 2 TONS OF STRAW MULCH PER ACRE. STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 LBS OF WOOD FIBER MULCH PER ACRE WITH A HYDROSEEDER OR TUCKING THE MULCH WITH SMOOTH DISCS OR OTHER MULCH ANCHORING TOOLS TO A DEPTH OF 3". MULCH ANCHORING TOOLS SHALL BE PULLED ACROSS SLOPES ALONG TOPOGRAPHIC CONTOURS.
- 5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND DRAINAGE STRUCTURES SHALL BE INSPECTED FOLLOWING EVERY RAIN EVENT, AND MAINTENANCE AND REPAIRS SHALL BE PERFORMED PROMPTLY TO MAINTAIN PROPER FUNCTION. TRAPPED SEDIMENT SHALL BE REMOVED AND DEPOSITED IN A PROTECTED AREA IN A PROPER MANNER WHICH WILL NOT RESULT IN EROSION.
- 6. TEMPORARY CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED AND GROUND COVER IS COMPLETELY REESTABLISHED. FOLLOWING STABILIZATION, TEMPORARY MEASURES SHALL BE REMOVED TO AVOID INTERFERENCE WITH
- 7. ALL STORM INLETS TO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION.
- 8. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN SUFFICIENT QUANTITIES.
- 9. MULCH NETTING SUCH AS PAPER, JUTE, EXCELSIOR, COTTON OR PLASTIC MAY BE USED. STAPLE IN PLACE. OVER HAY OR STRAW MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
- 10. STABILIZATION OF STEEP SLOPES SHALL BE ACHIEVED BY APPLYING LIME AND FERTILIZER AS SPECIFIED ABOVE AND SEEDING WITH THE FOLLOWING MIXTURE:

PERENNIAL RYE GRASS CROWN VETCH SPREADING FESCUE

11. OPTIMUM SEEDING PERIODS ARE 3/15-6/1 AND 8/1-10/15

EARTHWORK CONSTRUCTION NOTES

- 1. ALL WORK TO BE PERFORMED TO THE SPECIFICATIONS OF THE VILLAGE OF MONTGOMERY
- 2. ALL TOPSOIL, ROOTS, STUMPS AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM ALL
- 3. ALL FILL FOR POND CONSTRUCTION, BELOW BUILDINGS AND PAVEMENT TO BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION TEST ASTM D1557.
- 4. CELLAR, ROOF AND FOOTING DRAINS SHALL CONNECT TO THE STORM DRAINAGE SYSTEM OR OTHER FREE-FLOWING OUTLET AT A MINIMUM SLOPE OF 0.5%. FOOTING DRAIN SHALL BE INSTALLED BENEATH
- 5. COMPLETION OF GRADING AND BASIN, BERMS AFTER OCTOBER 15 SHALL REQUIRE MULCHING AND ANCHORING IN ACCORDANCE WITH NOTES ENTITLED "SEDIMENTATION EROSION CONTROL". 6. ALL SLOPES IN EXCESS OF 3H:1V SHALL BE CONSTRUCTED WITH LOCALLY AVAILABLE GLACIAL TILL. THE EMBANKMENT FILL SHALL BE PLACED IN SIX-INCHTHICK LIFTS. EACH LIFT SHALL BE PLACED AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION
- 7. CONSTRUCT POND EMBANKMENT WITH LOCALLY AVAILABLE GLACIAL TILL WITH 3H:1V SIDE SLOPES OR AS NOTED ON PLAN. THE EMBANKMENT FILL SHALL BE PLACED IN A SIX-INCH THICK CONTINUOUS LAYER OVER THE ENTIRE LENGTH.EACH LIFT SHALL BE PLACED AT OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR COMPACTION
- 8. STABILIZATION OF POND BERMS, AND ALL SLOPES IN EXCESS OF 3H:1V IN ACCORDANCE WITH "EROSION AND SEDIMENTATION CONTROL NOTES".
- 9. ALL POND OUTLETS SHALL HAVE SEEPAGE CONTROL COLLARS PLACED AT 1/3 AND 2/3 THE WIDTH OF
- 10. SOIL RESTORATION SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL REMAIN AS PERVIOUS SURFACES. SOIL RESTORATION SHALL CONSIST OF THE FOLLOWING: 10.A. APPLY 3 INCHES OF COMPOST OVER SUBSOIL
- TRACTOR MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO

10.B. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER,

- 10.C. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE
- 10.D. APPLY TOPSOIL TO A DEPTH OF 6 INCHES.
- 10.E. VEGETATE IN ACCORDANCE WITH LANDSCAPE PLAN.

SEQUENCE OF **CONSTRUCTION ACTIVTY**

- 1. PRE-CONSTRUCTION MEETING: ONE WEEK BEFORE CONSTRUCTION, SITE DISTURBANCE, OR EQUIPMENT STAGING ACTIVITIES AN EVALUATION OF THE SITE WILL BE PERFORMED WITH VILLAGE PERSONNEL, VILLAGE ENGINEER, SITE DESIGN ENGINEER. CONTRACTOR TO DISCUSS GENERAL CONSTRUCTION PROCEDURES AND SEQUENCING. DURING THIS MEETING SENSITIVE AREAS OF THE PROPERTY SHALL BE DELINEATED AND MARKED OUT WITH ORANGE CONSTRUCTION FENCE (I.E. TREES,
- 2. CONSTRUCTION STAGING: STAKE OUT LIMIT OF DISTURBANCE. INSTALL SILT FENCE DOWN HILL OF PROPOSED CONSTRUCTION. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND STABLIZE CONSTRUCTION ROAD(S). INSTALL TEMPORARY SEDIMENT TRAP. INSTALL PERMANENT/TEMPORARY GRASSED
- 3. CLEARING AND GRUBBING: REMOVE VEGETATION FROM AREA OF CONSTRUCTION. STRIP TOPSOIL AND STOCKPILE IN AREAS SHOWN ON THE

PLAN. INSTALL SEDIMENT BARRIERS AROUND AND ESTABLISH TEMPORARY

- VEGETATION ON TOPSOIL STOCKPILES. 4. ROUGH GRADING: CUT AND FILL SITE TO APPROXIMATE ELEVATIONS SHOWN ON PERMANENT STABLIZATION IN AREAS THAT ARE COMPLETE. ESTABLISH TEMPORARY STABLIZATION ON AREAS THAT WILL BE GRADED AGAIN MORE THAN 21 DAYS FROM LAST DISTURBANCE.
- 5. ROAD/BUILDING CONSTRUCTION AND UTILITY INSTALLATION: FINAL GRADING AND CONSTRUCTION OF ROADWAYS. BUILDING EXCAVATION AND CONSTRUCTION. INSTALL UTILITIES. INSTALL DRAINAGE INLET AND OUTLET PROTECTION AS EACH INLET/OUTLET IS CONSTRUCTED. ENSURE ALL EROSION
- CONTROL MEASURES ARE IN WORKING ORDER. 6. FINAL GRADING AND LANDSCAPING: REMOVE TEMPORARY SEDIMENT TRAPS AND INSTALL PERMANENT WATER QUALITY/QUANTITY FACILITIES. COMPLETE FINE GRADING OF SITE. SPREAD TOPSOIL AND PREPARE FOR PERMANENT SEEDING AND PLANTING. ESTABLISH PERMANENT VEGETATION IN ALL REMAINING UNSTABILIZED AREAS. INSTALL ALL SITE LANDSCAPING AND PLANTINGS.
- 7 POST CONSTRUCTION: UPON STABILIZATION OF THE SITE AND ESTABLISHMENT OF ALL VEGETATION COVER, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE. REMOVE ALL SILT AND DEBRIS FROM THE SITE INCLUDING ROADWAYS, CATCH BASINS AND STORM DRAINS.



No.	DATE	DESCRIPTION
1	01/14/22	REVISED PER PB COMMENTS 12/15/2021
2	05/13/22	REVISED LAYOUT PER TRAFFIC STUDY
3	06/10/22	REVISED PER PB COMMENTS
4	09/16/22	REVISED PER PB COMMENTS
5	12/02/22	REVISED PER PB COMMENTS 09/23/2022

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OCDOH WATERMAIN EXTENSION APPROVAL	N/A	OF	N/A	
NYSDEC APPROVAL	N/A	OF	N/A	
NYSDOT APPROVAL	N/A	OF	N/A	
OTHER	N/A	OF	N/A	
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