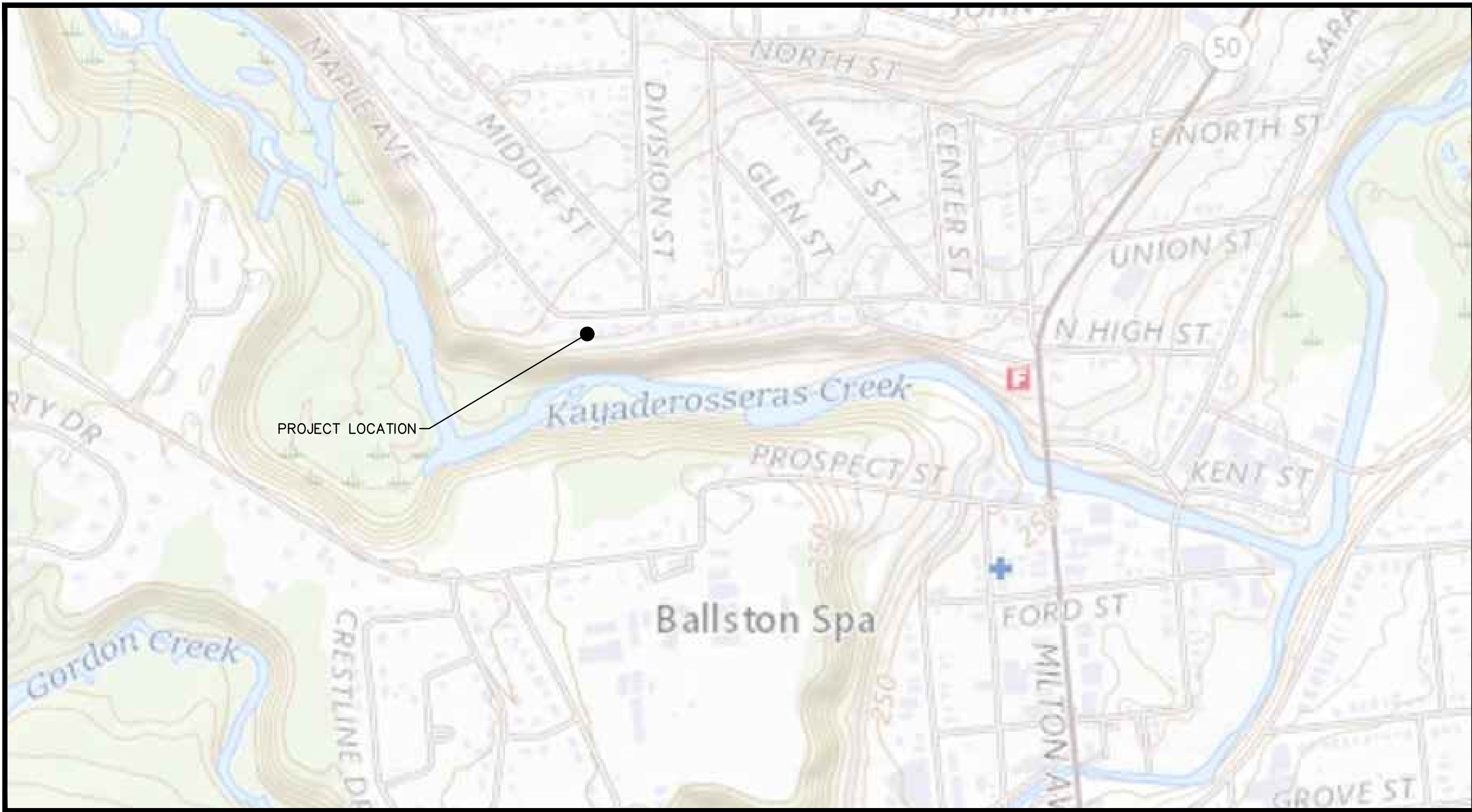
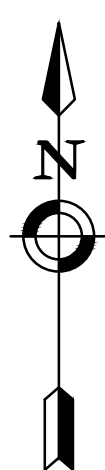


PULPMILL STREET DRAINAGE OUTFALL REPAIR

VILLAGE OF BALLSTON SPA
SARATOGA COUNTY, NEW YORK

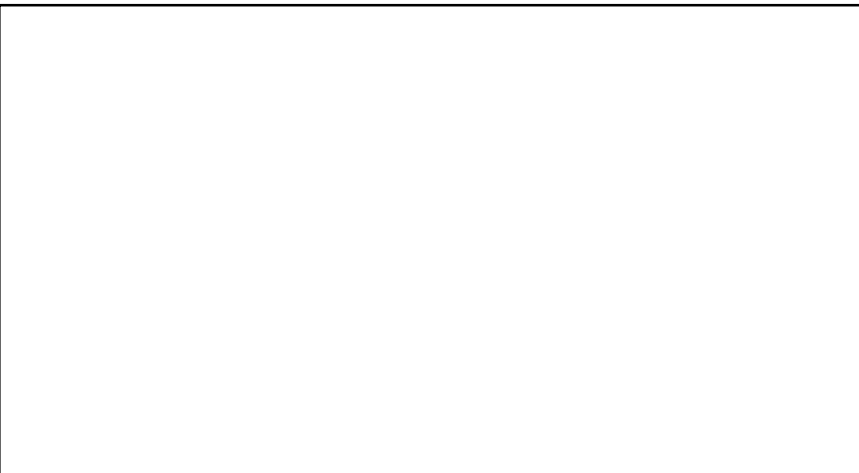
INDEX OF DRAWINGS				
PAGE NO.	REV	SHEET NO.	DATE	DESCRIPTION
1	0	G001	11/30/23	COVER SHEET
2	0	G002	11/30/23	NOTES & LEGENDS
3	0	C100	11/30/23	EXISTING CONDITIONS AND REMOVALS PLAN
4	0	C130	11/30/23	SITE LAYOUT AND GRADING PLAN (TEMPORARY)
5	0	C131	11/30/23	SITE LAYOUT AND GRADING PLAN (PERMANENT)
6	0	C530	11/30/23	DETAILS



LOCATION MAP
N.T.S.

VILLAGE OF BALLSTON SPA

66 FRONT STREET
BALLSTON SPA, NY 12020
PROJECT NO: 2233155.03
NOVEMBER 29, 2023



ISSUED FOR EMERGENCY CONSTRUCTION



DEMOLITION NOTES:

- 1. REFER TO EROSION & SEDIMENT CONTROL REQUIREMENTS OUTLINED IN THE SITE LAYOUT AND GRADING PLANS PRIOR TO COMMENCEMENT OF WORK.
2. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
3. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
4. NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
5. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
6. LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
7. DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
8. PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
9. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSSES.
10. MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS. COORDINATE W/ AUTHORITY HAVING JURISDICTION.
11. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
12. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
13. FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
14. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
15. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
16. USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT, CONSIST WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS CAUSING ICING, FLOODING, AND TRANSPORTING POLLUTANTS.
17. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
18. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
19. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.

GRADING NOTES:

- 1. PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
2. IF ROCK IS ENCOUNTERED DURING CONSTRUCTION & REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
3. ALL BLASTING OPERATIONS WILL ADHERE TO NEW YORK STATE AND LOCAL AUTHORITY ORDINANCES GOVERNING THE USE OF EXPLOSIVES. THE STATE REGULATION ARE CONTAINED IN 12 NYCRR 39 AND INDUSTRIAL CODE RULE 753.
4. STRIP ALL TOPSOIL PRIOR TO COMMENCING EARTHWORK OPERATIONS. TOPSOIL MAY BE STORED AND REUSED IN LAWN AND PLANTING AREAS ONLY. TOPSOIL AND SEED ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE TO REMAIN GREEN.
5. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENT OR PROPERTY LINE.
6. REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND DELETERIOUS MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION.
7. IT IS THE INTENT OF THIS PLAN FOR ALL SITE GRADING TO DRAIN & NO PONDING TO OCCUR. MINIMUM SLOPE OF AT LEAST ONE PERCENT ALONG THE FLOW LINE AND 2% CROSS SLOPE ON ALL PAVED OR CONCRETE SURFACES UNLESS OTHER WISE NOTED. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR ANY DEVIATIONS OR AREA ON THE PLAN WHERE THE SITE DOES NOT MEET THESE REQUIREMENT.

ROCK BLASTING NOTES:

BLASTING OF BEDROCK IS NOT ANTICIPATED AT THIS SITE IN ORDER TO COMPLETE THE PROPOSED DEVELOPMENT. HOWEVER, THESE NOTES ARE INCLUDED SHOULD UNFORESEEN CONDITIONS REQUIRE THE NEED FOR BLASTING TO EXCAVATE BEDROCK.

- 1. ALL RECOMMENDED SAFETY REQUIREMENTS AND STANDARDS REFERENCED AND ANY LOCAL RESTRICTIONS SHALL BE APPLIED AS REQUIRED FOR SAFETY, SECURITY, AND SPECIFICALLY RELATED DETAILS FOR BLASTING PROCEDURES. AT ALL TIMES, FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE FOLLOWED CONCERNING THE TRANSPORTATION AND STORAGE OF EXPLOSIVES.
2. A MINIMUM OF FOUR (4) WEEKS PRIOR TO COMMENCEMENT OF THE INITIAL BLASTING OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AS APPROPRIATE: POLICE AGENCIES, GAS AND ELECTRIC SERVICE COMPANIES, TELEPHONE AND CABLE OPERATING COMPANIES, TOWN WATER AND SEWER DEPARTMENTS, NYS DOT, AND LOCAL FIRE, RESCUE, AND AMBULANCE SERVICES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM THE USE OF EXPLOSIVES. EXPLOSIVES SHALL BE STORED IN A SECURE MANNER IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES.
4. THE CONTRACTOR SHALL NOTIFY EACH PROPERTY AND UTILITY OWNER HAVING A BUILDING, STRUCTURE, OR OTHER INSTALLATION ABOVE OR BELOW GROUND IN PROXIMITY TO THE SITE OF THE WORK OF HIS INTENTION TO USE EXPLOSIVES. NOTICE SHALL BE GIVEN SUFFICIENTLY IN ADVANCE TO ENABLE THE OWNERS TO TAKE STEPS TO PROTECT THEIR PROPERTY. NOTICE SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DAMAGE RESULTING FROM HIS BLASTING OPERATIONS.
5. THE CONTRACTOR SHALL SCHEDULE AND CONDUCT PRE-BLAST SURVEYS WITH PROPERTY OWNERS LOCATED IN THE AREA POTENTIALLY AFFECTED BY AIRBLAST OVERPRESSURE AND GROUND VIBRATION OR AS REQUIRED.
6. THE CONTRACTOR SHALL IMPLEMENT ENGINEERING MEASURES IN ORDER TO MINIMIZE THE POTENTIAL IMPACTS OF DUST, NOISE AND GROUND VIBRATION. BLAST VIBRATION CONTROL WILL BE ACHIEVED BY LIMITING THE CHARGE PER DELAY SO THAT THE PEAK PARTICLE VELOCITY REMAINS BELOW THE SPECIFIED LEVELS.
7. A APPROPRIATELY QUALIFIED, LICENSED BLASTING SPECIALIST, WITH EXPERIENCE SHALL BE ONSITE AND SUPERVISE BLASTING OPERATIONS. AT ALL TIMES, THE BLASTING AREA SHALL BE RESTRICTED TO BLASTING OPERATIONS AND AUTHORIZED PERSONNEL ONLY.
8. PROTECTIVE MEASURES INCLUDING INSTALLATION OF SIGNAGE, NOTIFICATION OF NEARBY RESIDENTS, TRAFFIC CONTROL AS NECESSARY ALONG NEARBY ROADS, AUDIBLE PRE-BLAST WARNINGS, AND USE OF BLAST MATS SHALL BE IMPLEMENTED.
9. DELIVERY AND TRANSPORT OF EXPLOSIVES FROM THE POWDER MAGAZINES TO THE BLAST AREA WILL BE BY VEHICLES SPECIFICALLY DESIGNED FOR THIS USE BY THE CRITERIA OUTLINED IN THE SAFETY REQUIREMENTS. ONLY AUTHORIZED PERSONS WILL TRANSPORT AND HANDLE THE EXPLOSIVES AS DESIGNATED BY THE ISSUING AUTHORITY OF THOSE LICENSES FOR THIS PURPOSE.
10. MONITORING OF PEAK PARTICLE VELOCITY (INCHES/SECOND) AND PEAK AIRBLAST OVERPRESSURE (PSI) SHALL BE PERFORMED DURING ALL BLASTS.

SITE PLAN NOTES:

GENERAL CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
2. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRASSES.
3. ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN AWAY.
4. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE.
5. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT PRIOR REVIEW FROM THE ENGINEER.
6. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION.
7. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL ADJOINING PROPERTIES.
8. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY LINES OR PUBLIC RIGHT-OF-WAY.
9. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY ENGINEER (A.G.E.E.). MAILBOXES, SIGN POSTS, ETC SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT. REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE. SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION.

LAYOUT NOTES:

- 1. NOTIFY THE ENGINEER OF ANY DEVIATION FROM CONDITIONS SHOWN ON THIS PLAN.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND THE ENGINEER AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE ACCEPTED.

PAVING NOTES:

- 1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION. CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S WORK.
5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED . SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407 - TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING.
D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.
6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.

TRAFFIC CONTROL NOTES:

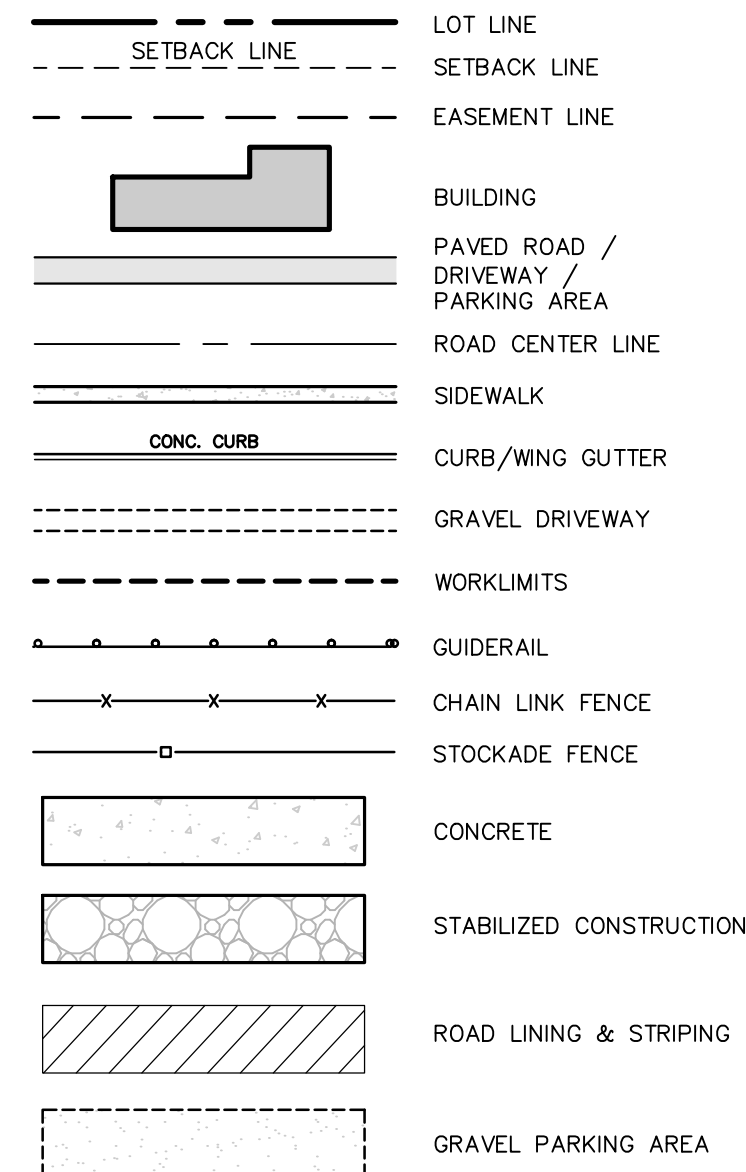
- 1. BECAUSE OF THE LACK OF SPACE FOR SOIL STOCKPILING ON SITE, IT ANTICIPATED THAT TRUCKS WILL NEED TO HAUL IN/OUT MATERIALS AS NEEDED.
2. PROVIDE FALGGER AS AT INTERSECTION OF PULPMILL STREET AND SOUTH STREET WHEN TRUCKS ARE ENTERING OR LEAVING THE SITE.

EROSION AND SEDIMENT CONTROL NOTES:

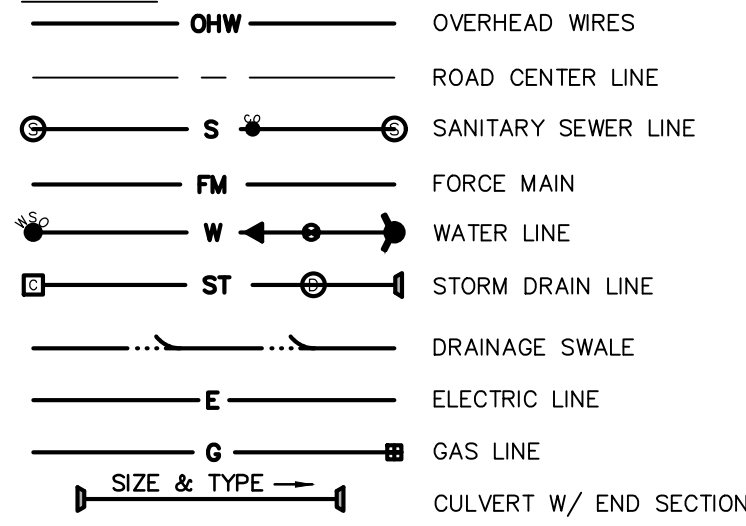
- 1. PROMPTLY SWEEP UP AND DISPOSE OF SEDIMENT TRACKED ONTO SOUTH STREET BY CONSTRUCTION VEHICLES LEAVING THE SITE.
2. MAINTAIN MULCH OVER ALL DISTURBED SOIL AREAS THROUGHOUT CONSTRUCTION TO MINIMIZE SOIL EROSION.

LEGEND:

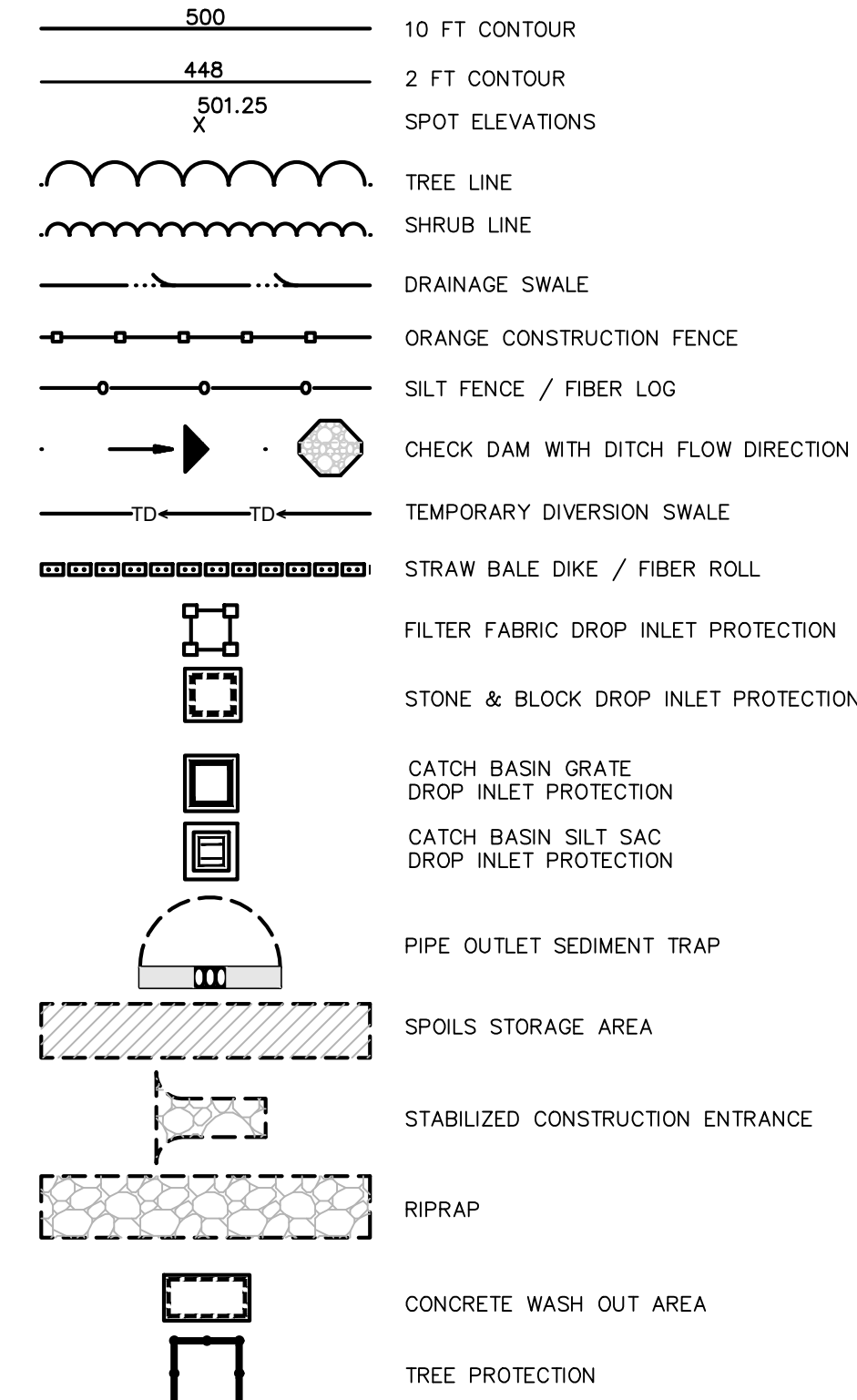
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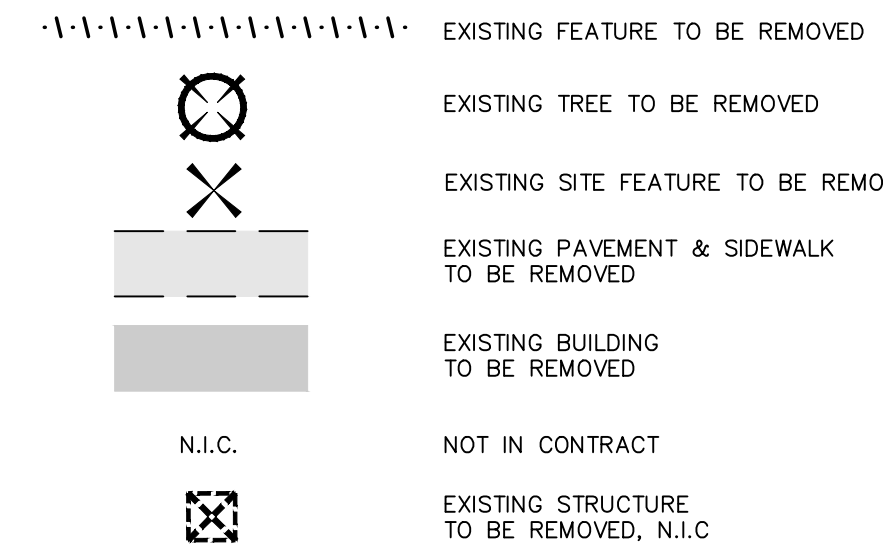
UTILITIES:



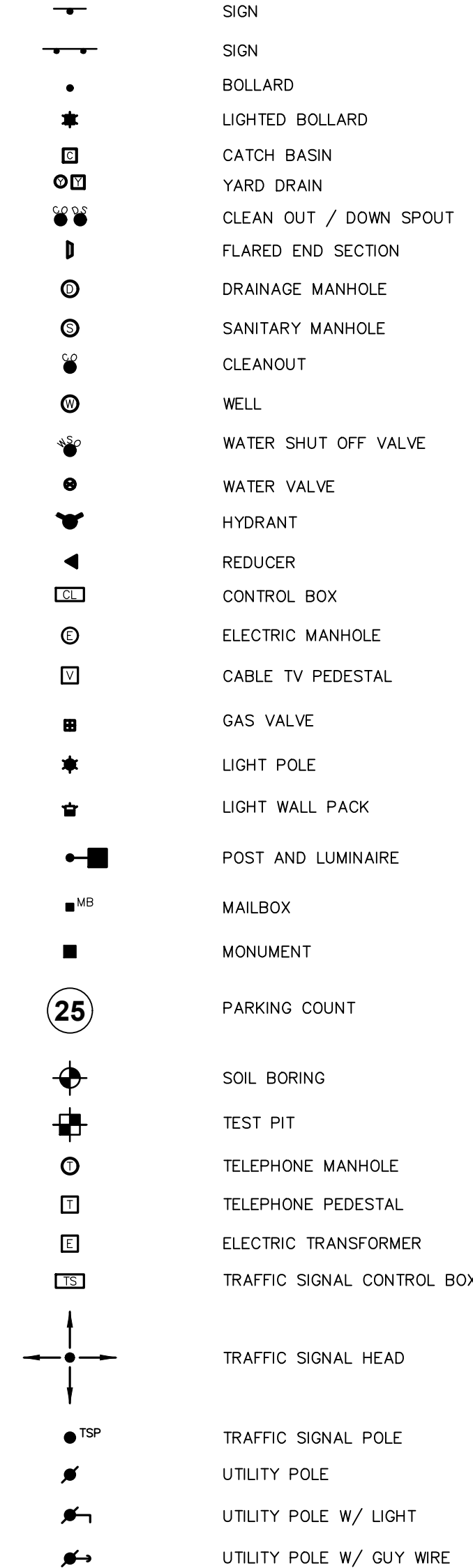
GRADING & EROSION CONTROL:



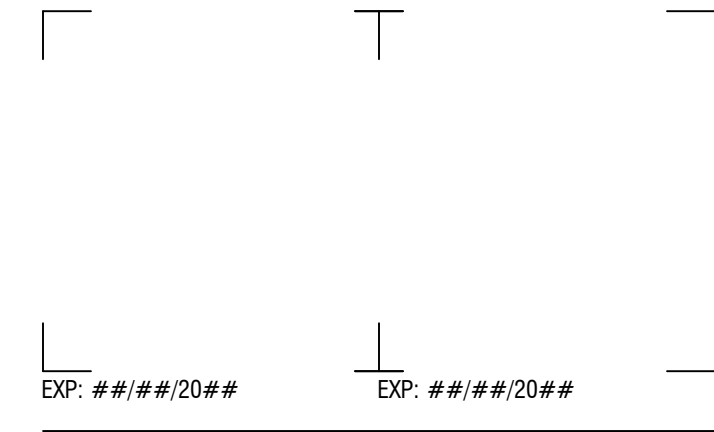
DEMO:



SYMBOLS:



\\schlab\l\Projects\Ballston Spa, Village of 2233155.00 - Pulp Mill & Drainage Outfall\02_Drawing\Outfall02_Design\Plans\02_G002_2233155.00_Layout & Notes.dwg 11/30/2023 5:48:05 PM



CERTIFICATE OF AUTHORIZATION NUMBER: PROFESSIONAL ENGINEERING: 018281 LAND SURVEYING: 017976 GEOLOGICAL: 018750

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VILLAGE OF BALLSTON SPA

66 FRONT STREET BALLSTON SPA, NY 12020

PULPMILL STREET DRAINAGE OUTFALL REPAIR

PULPMILL STREET BALLSTON SPA, NY 12020

Table with 6 columns: NO., DATE, DESCRIPTION, Comment, Comment, Comment. Rows 1-6 showing revision details.

PROJECT NUMBER: 2233155.03

DRAWN BY:

REVIEWED BY:

ISSUED FOR: ISSUED FOR EMERGENCY CONSTRUCTION

DATE: NOVEMBER 30, 2023

DRAWING NAME:

NOTES & LEGENDS

DRAWING NUMBER:

VILLAGE OF BALLSTON SPA

66 FRONT STREET
BALLSTON SPA, NY 12020

**PULPMILL STREET
DRAINAGE OUTFALL REPAIR**

PULPMILL STREET
BALLSTON SPA, NY 12020

NO.	DATE:	DESCRIPTION:
6	###/###/###	Comment
5	###/###/###	Comment
4	###/###/###	Comment
3	###/###/###	Comment
2	###/###/###	Comment
1	###/###/###	Comment

Revisions

PROJECT NUMBER: 2233155.03

DRAWN BY:

REVIEWED BY:

ISSUED FOR:
ISSUED FOR EMERGENCY CONSTRUCTION

DATE: NOVEMBER 30, 2023

DRAWING NAME:

**EXISTING CONDITIONS AND
REMOVALS PLAN**

DRAWING NUMBER:

C100

NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

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SURVEYED FROM RECORD DESCRIPTION AND AS IN POSSESSION.

SUBSURFACE STRUCTURES NOT VISIBLE OR READILY APPARENT ARE NOT SHOWN AND THEIR LOCATION AND EXTENT ARE NOT CERTIFIED.

BUILDING SHOWN HEREON POSSIBLY SERVED BY UNDERGROUND UTILITIES.

HORIZONTAL DATUM AND NORTH ORIENTATION ARE BASED ON THE NYS PLANE COORDINATE SYSTEM (NAD83-NY EAST ZONE) UTILIZING GNSS OBSERVATIONS ON THE NYS DOT RTN NETWORK, NAVD88, GEOID 18 AT THE TIME OF FIELD SURVEY (OCTOBER 2023).

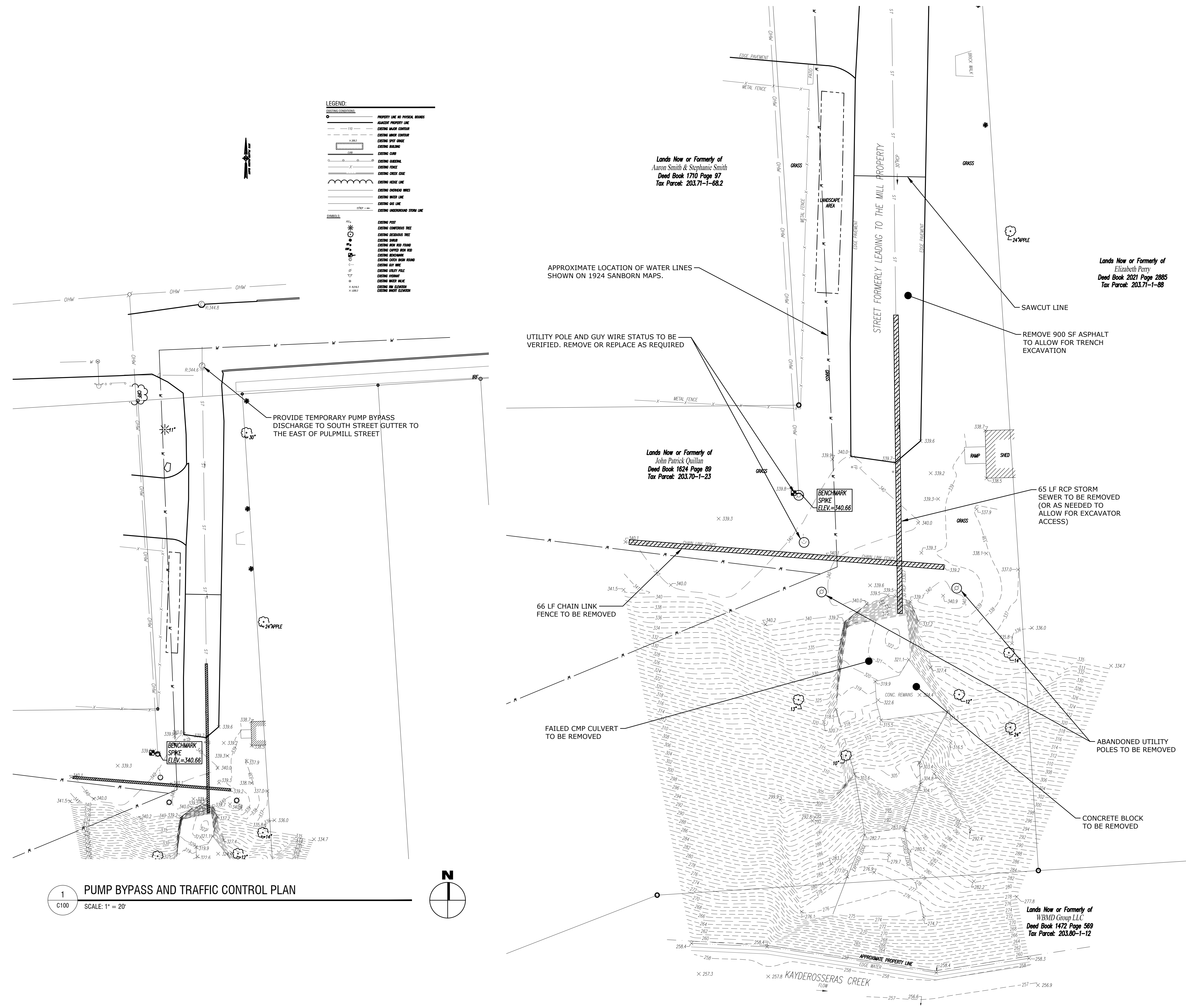
VERTICAL CONTROL IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DERIVED FROM ON SITE GNSS OBSERVATIONS ON THE NYS DOT RTN NETWORK, DATED OCTOBER 27, 2023.

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

THE CONTRACTOR SHALL COMPLY WITH NEW YORK STATE INDUSTRIAL CODE RULE 753 - 48 HOURS PRIOR TO DIGGING CALL DIGSAFELY NEW YORK 1-800-962-7962 TO HAVE PUBLIC UTILITY LOCATIONS PAINTED.

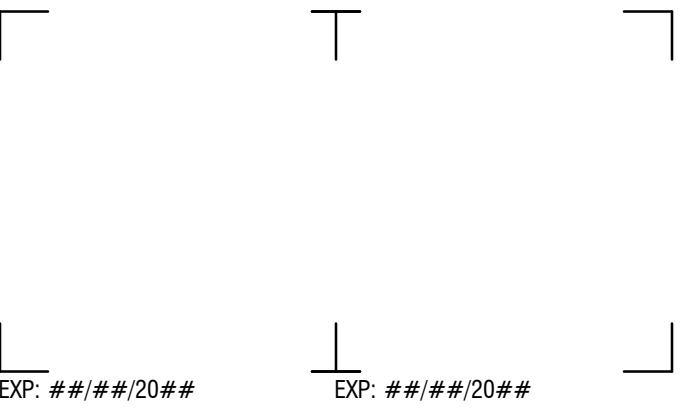
LEGEND:

	UTILITY LINE
	PROPERTY LINE
	EASEMENT
	RIGHT OF WAY
	SURVEY POINT
	BENCHMARK
	OBSTACLE
	TREE
	FENCE
	WALL
	BUILDING
	SHED
	RAMP
	CULVERT
	SEWER
	STORM SEWER
	WATER LINE
	GAS LINE
	ELECTRIC LINE
	TELEPHONE LINE
	CABLE TV LINE
	SEWER MANHOLE
	STORM MANHOLE
	WATER METER
	GAS METER
	ELECTRIC METER
	TELEPHONE METER
	CABLE TV METER
	SEWER VALVE
	STORM VALVE
	WATER VALVE
	GAS VALVE
	ELECTRIC VALVE
	TELEPHONE VALVE
	CABLE TV VALVE
	SEWER CLEANOUT
	STORM CLEANOUT
	WATER CLEANOUT
	GAS CLEANOUT
	ELECTRIC CLEANOUT
	TELEPHONE CLEANOUT
	CABLE TV CLEANOUT



1
PUMP BYPASS AND TRAFFIC CONTROL PLAN
SCALE: 1" = 20'

2
EXISTING CONDITIONS AND REMOVALS PLAN
SCALE: 1" = 10'



CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 016281
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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VILLAGE OF BALLSTON SPA

66 FRONT STREET
BALLSTON SPA, NY 12020

**PULPMILL STREET
DRAINAGE OUTFALL REPAIR**

PULPMILL STREET
BALLSTON SPA, NY 12020

NO.	DATE	DESCRIPTION
6	###/###/###	Comment
5	###/###/###	Comment
4	###/###/###	Comment
3	###/###/###	Comment
2	###/###/###	Comment
1	###/###/###	Comment

PROJECT NUMBER: 2233155.03

DRAWN BY:

REVIEWED BY:

ISSUED FOR:
ISSUED FOR EMERGENCY CONSTRUCTION

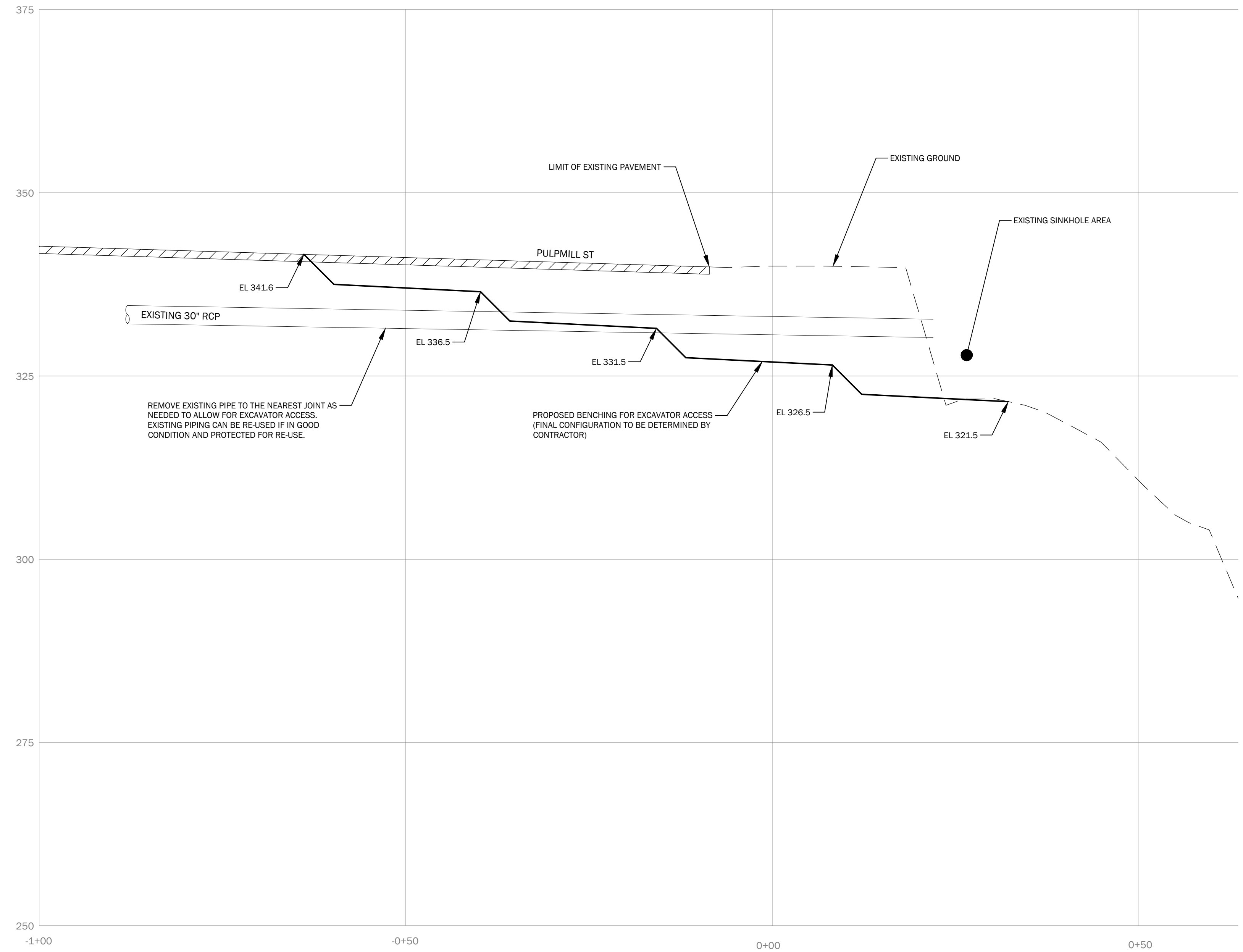
DATE: NOVEMBER 30, 2023

DRAWING NAME:

**SITE LAYOUT AND GRADING PLAN
(TEMPORARY)**

DRAWING NUMBER:

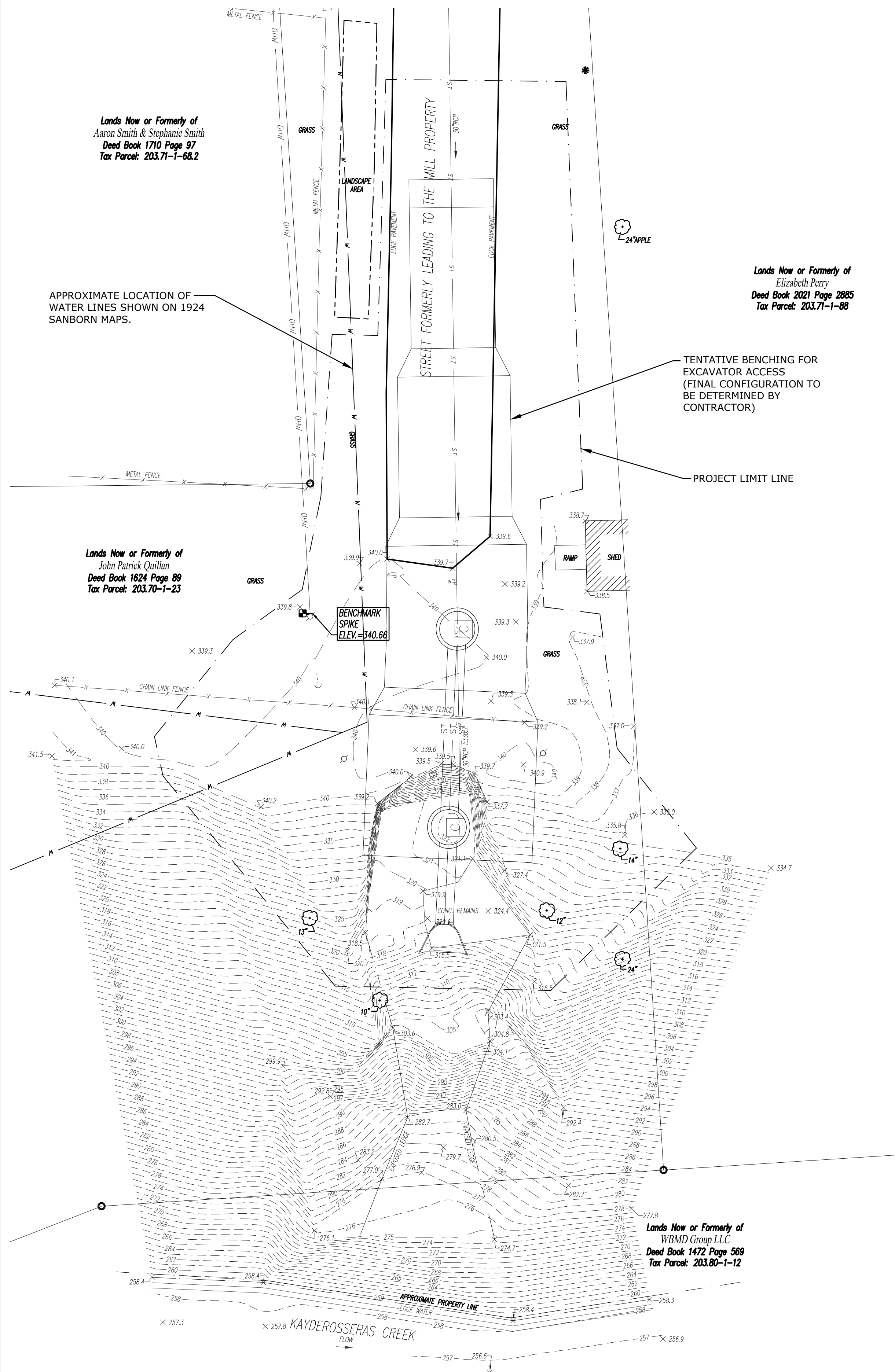
C130



2 ACCESS BENCHING PROFILE (TEMPORARY)
SCALE: H 1" = 10' / V 1" = 10'

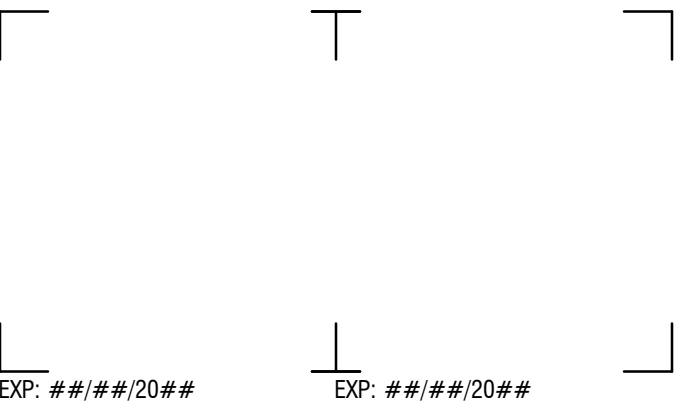
BENCHING NOTES:

- Benching shown is tentative. Final benching configuration is entirely the responsibility of the Contractor.



1 SITE LAYOUT AND GRADING PLAN (TEMPORARY)
SCALE: 1" = 10'





CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017976
GEOLOGICAL: 018750

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DRAINAGE OUTFALL REPAIR**
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NO.	DATE	DESCRIPTION
6	###/###/###	Comment
5	###/###/###	Comment
4	###/###/###	Comment
3	###/###/###	Comment
2	###/###/###	Comment
1	###/###/###	Comment

PROJECT NUMBER: 2233155.03

DRAWN BY:

REVIEWED BY:

ISSUED FOR:
ISSUED FOR EMERGENCY CONSTRUCTION

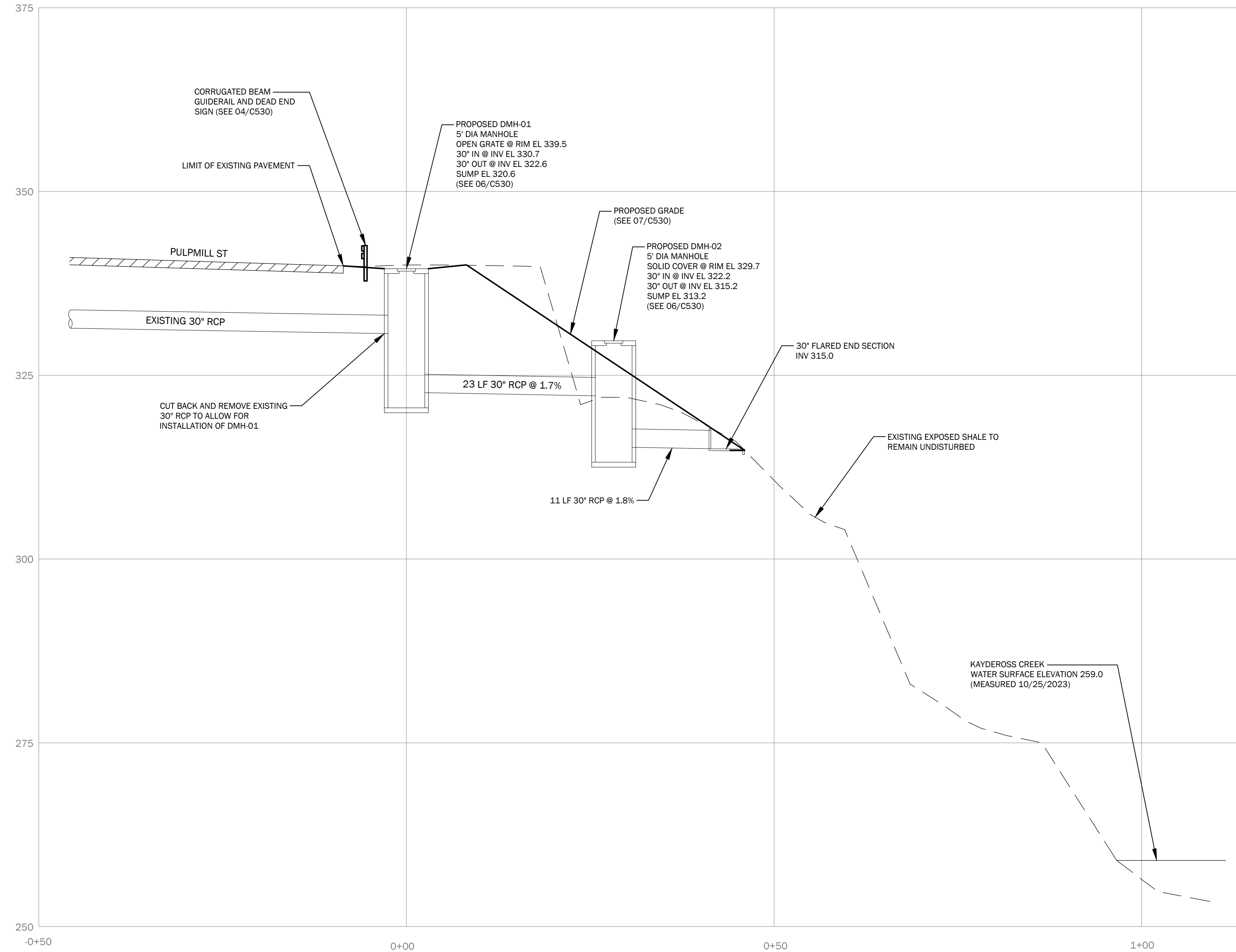
DATE: NOVEMBER 30, 2023

DRAWING NAME:

**SITE LAYOUT AND GRADING PLAN
(PERMANENT)**

DRAWING NUMBER:

C131



2 SITE AND STORM SEWER PROFILE (PERMANENT)

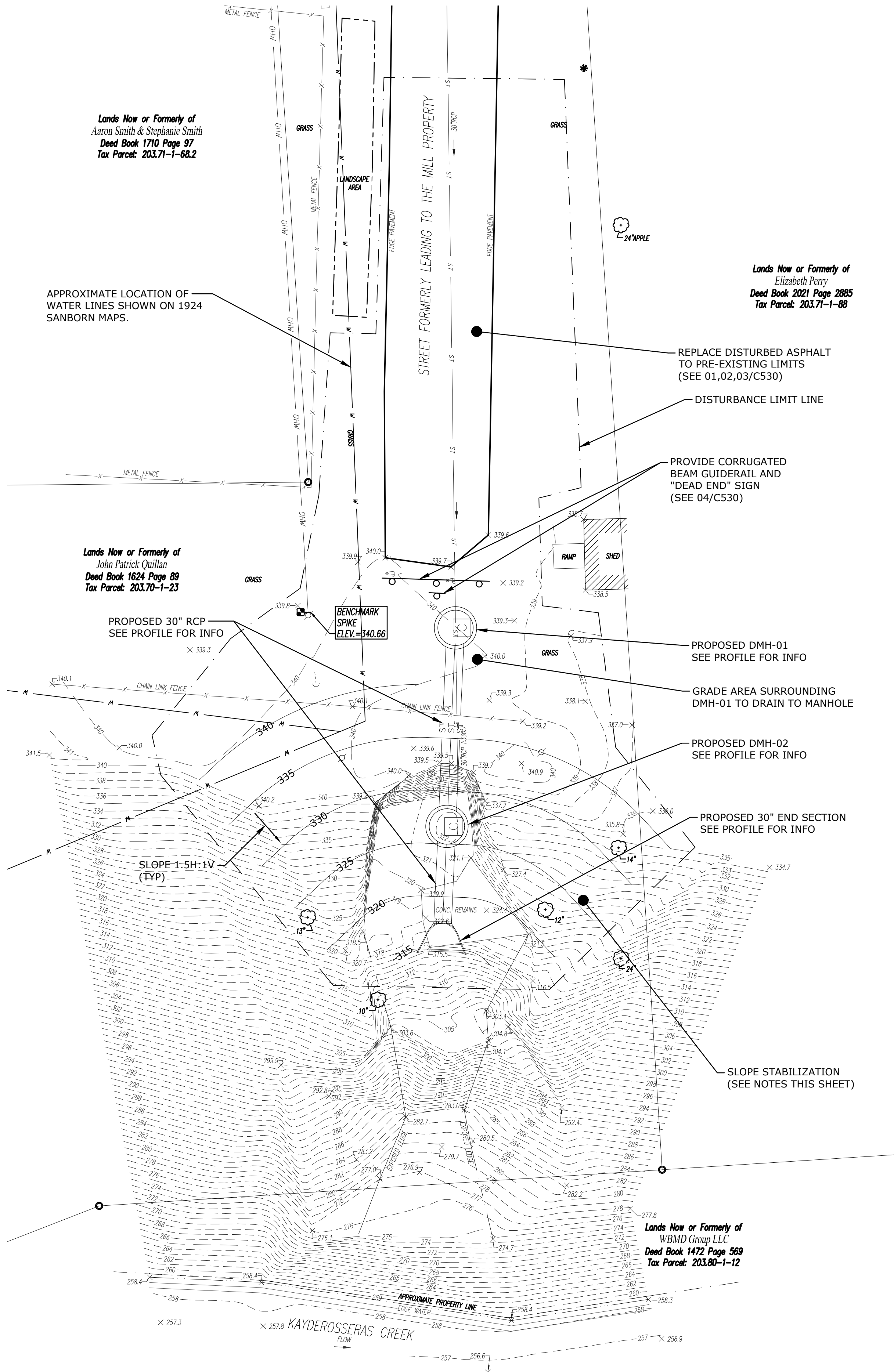
C131 SCALE: H 1" = 10' / V 1" = 10'

FILL AND SLOPE STABILIZATION NOTES:

1. Areas being cut back to allow for 1.5H:1V slope shall be overexcavated to a depth of 18 inches, and lined with an 18-inch thick layer of riprap (NYS DOT Medium Stone Fill). See 07/C530.
2. The sinkhole area shall be filled with crushed gravel (NYS DOT Item #4 crushed to 1.5" minus) compacted in 12-inch lifts, and covered with an 18-inch thick layer of riprap (NYS DOT Medium Stone Fill). See 07/C530.
3. The bottoms and sides of gravel fill areas shall be lined with non-woven geotextile separation fabric (Mirafi 140N or equal).

ESTIMATED CUT & FILL VOLUMES:

GROSS EXCAVATION:	
Temporary ramp and trenching	670 CY
Slope cut back (including overexcavation)	130 CY
Total	800 CY
GROSS FILL:	
Sink hole backfill	130 CY
Temporary ramp and trenching backfill	620 CY
Riprap slope stabilization	100 CY
Pavement restoration (asphalt + subbase)	30 CY
Topsoil	20 CY
Total	900 CY



1 LAYOUT AND GRADING PLAN (PERMANENT)

C131 SCALE: 1" = 10'



VILLAGE OF BALLSTON SPA

66 FRONT STREET
BALLSTON SPA, NY 12020

**PULPMILL STREET
DRAINAGE OUTFALL REPAIR**

PULPMILL STREET
BALLSTON SPA, NY 12020

NO.	DATE:	DESCRIPTION:
6	#####	Comment
5	#####	Comment
4	#####	Comment
3	#####	Comment
2	#####	Comment
1	#####	Comment

PROJECT NUMBER: 2233155.03

DRAWN BY:

REVIEWED BY:

ISSUED FOR:
ISSUED FOR EMERGENCY CONSTRUCTION

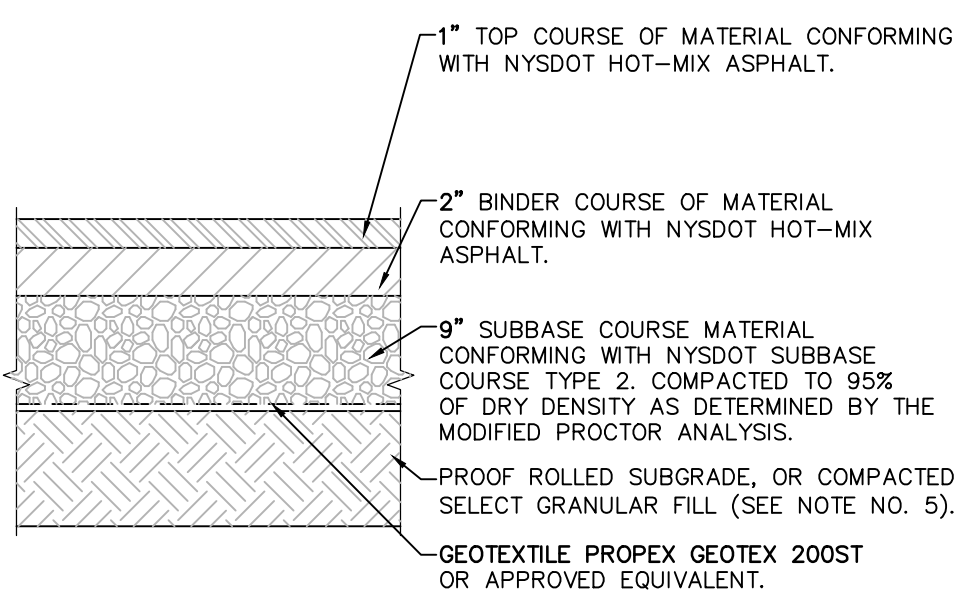
DATE: NOVEMBER 30, 2023

DRAWING NAME:

SITE DETAILS

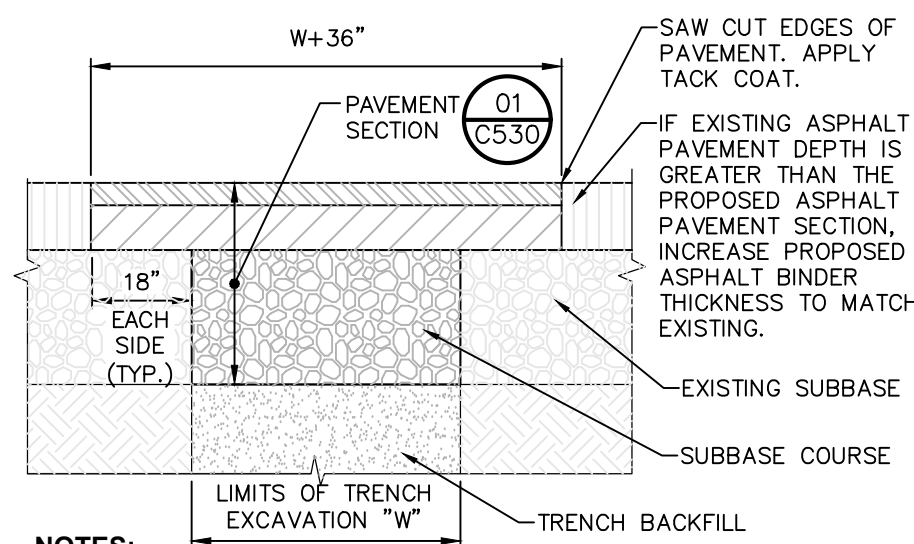
DRAWING NUMBER:

C530



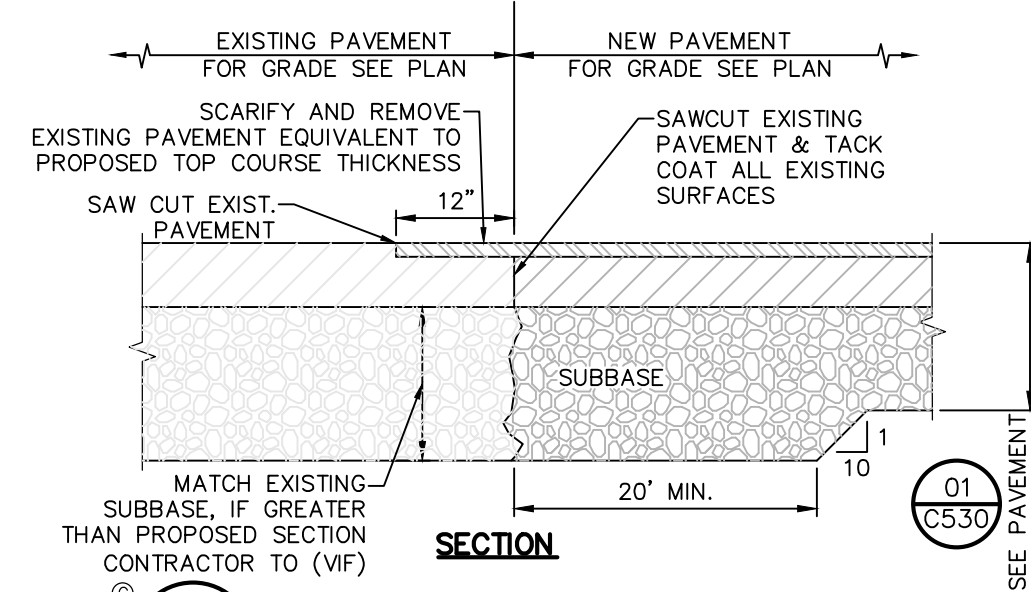
- NOTES:**
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "CURRENT VERSION", AND ALL ADDENDA THERE TO.
 - SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
 - HOT MIX ASPHALT (HMA) PAVEMENT SHALL CONFORM WITH SECTION 400 - HOT MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH SECTION 400 IN ITS ENTIRETY IS REFERENCED, THE HOT MIX ASPHALT (HMA) PAVEMENT(S) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER SECTION 402 - HOT MIX ASPHALT (HMA) PAVEMENTS.
 - TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407 - TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
 - WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203 - EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.

01 PAVEMENT SECTION DETAIL
SCALE: NOT TO SCALE **LAST REVISED: 12/27/17**

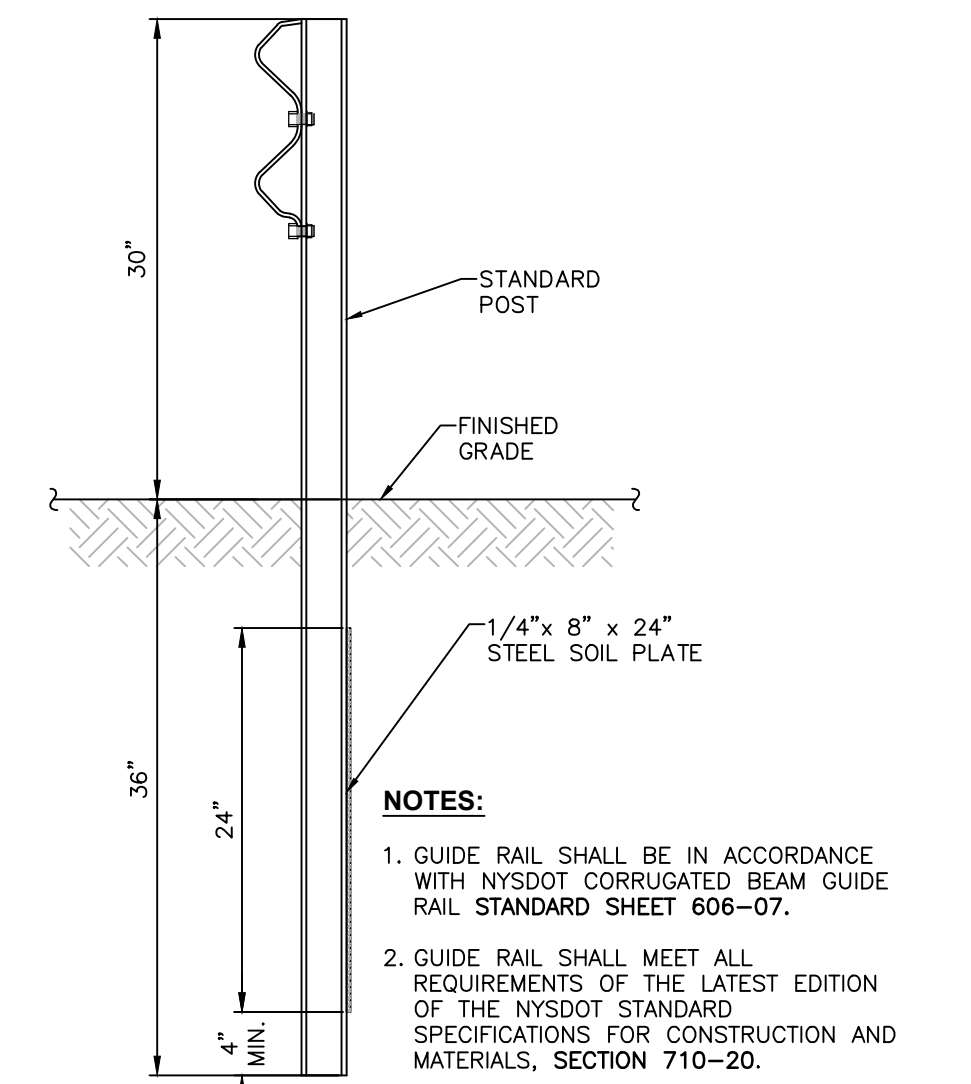


- NOTES:**
- SAW CUT AS INDICATED, 18" BEYOND EXCAVATION.
 - FURNISH, PLACE, AND COMPACT SUBBASE.
 - TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPEC.
 - FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT AS SPECIFIED.

02 TRENCH SURFACE RESTORATION IN ASPHALT PAVEMENT
SCALE: NOT TO SCALE **LAST REVISED: 12/05/05**

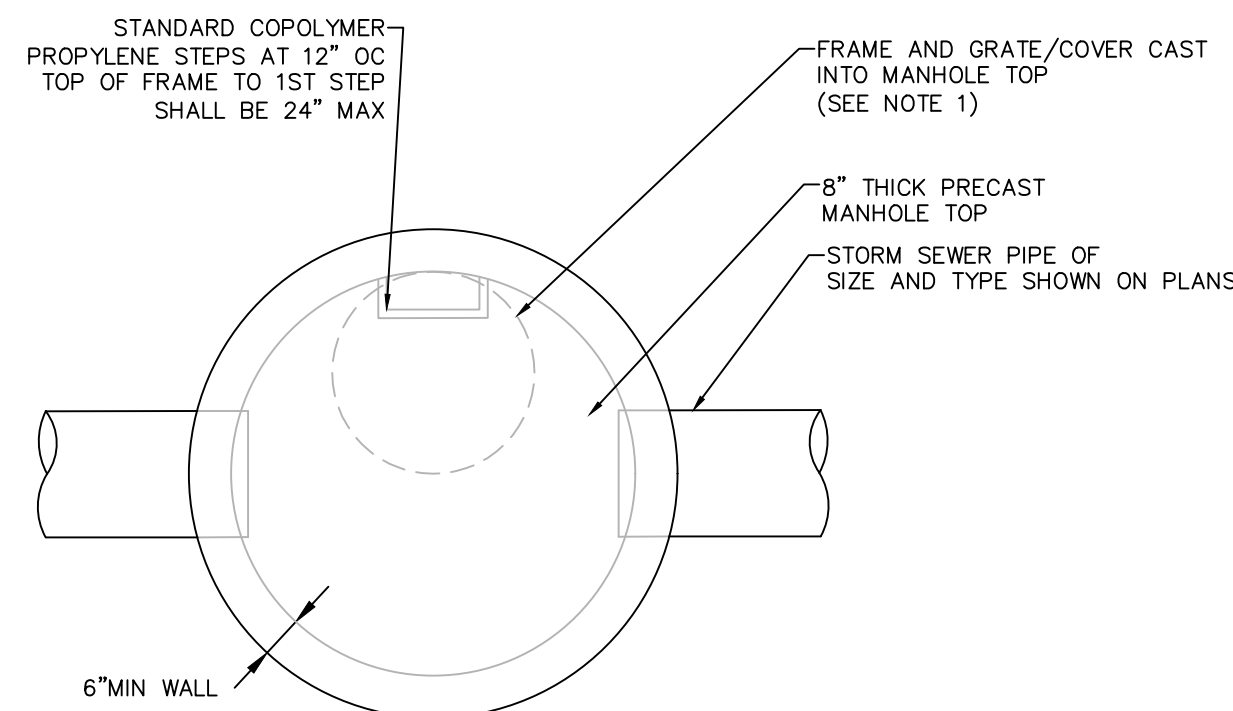


03 PAVEMENT TRANSITION DETAIL
SCALE: NOT TO SCALE **LAST REVISED: 1/16/08**

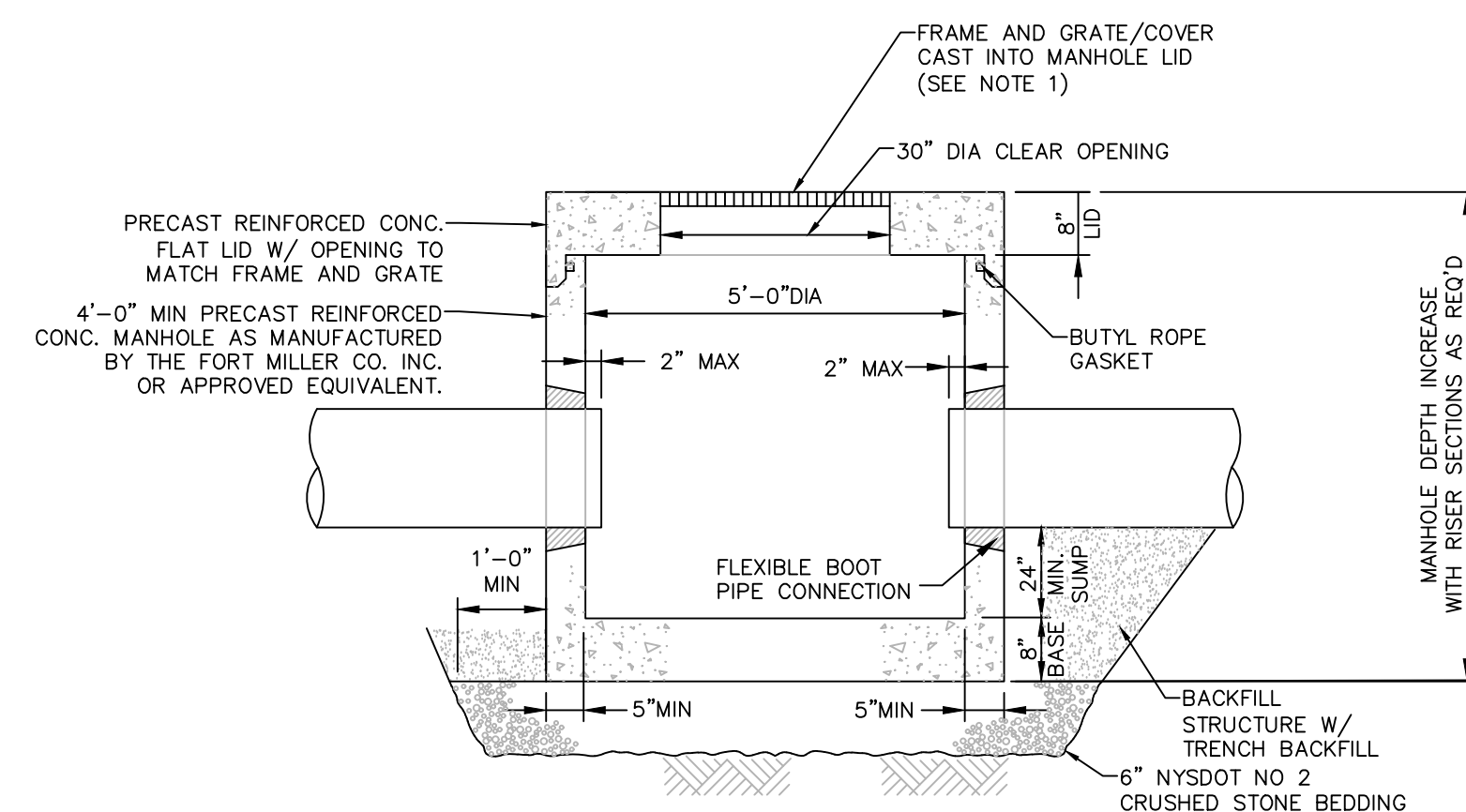


- NOTES:**
- GUIDE RAIL SHALL BE IN ACCORDANCE WITH NYSDOT CORRUGATED BEAM GUIDE RAIL STANDARD SHEET 606-07.
 - GUIDE RAIL SHALL MEET ALL REQUIREMENTS OF THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 710-20.

04 CORRUGATED BEAM GUIDERAIL DETAIL
SCALE: NOT TO SCALE **LAST REVISED: 12/27/12**



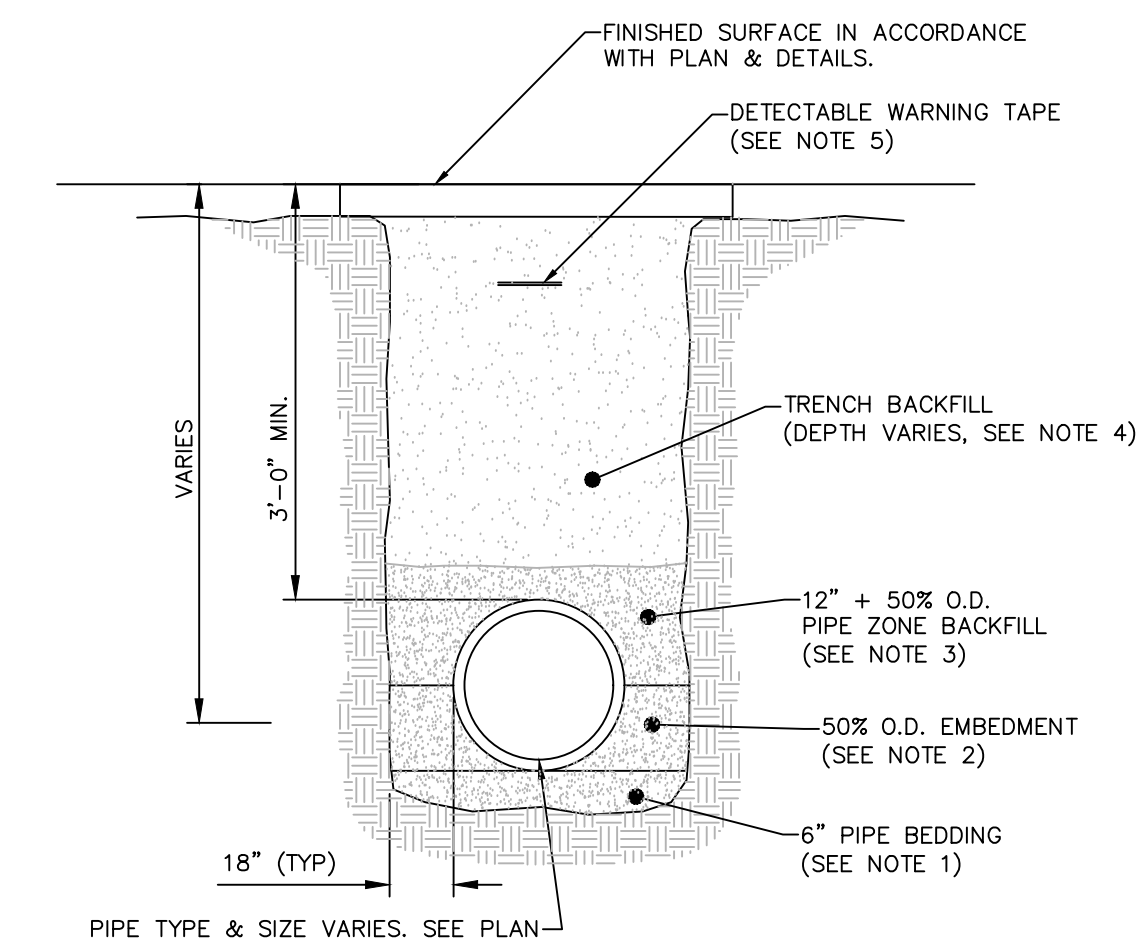
PLAN



SECTION

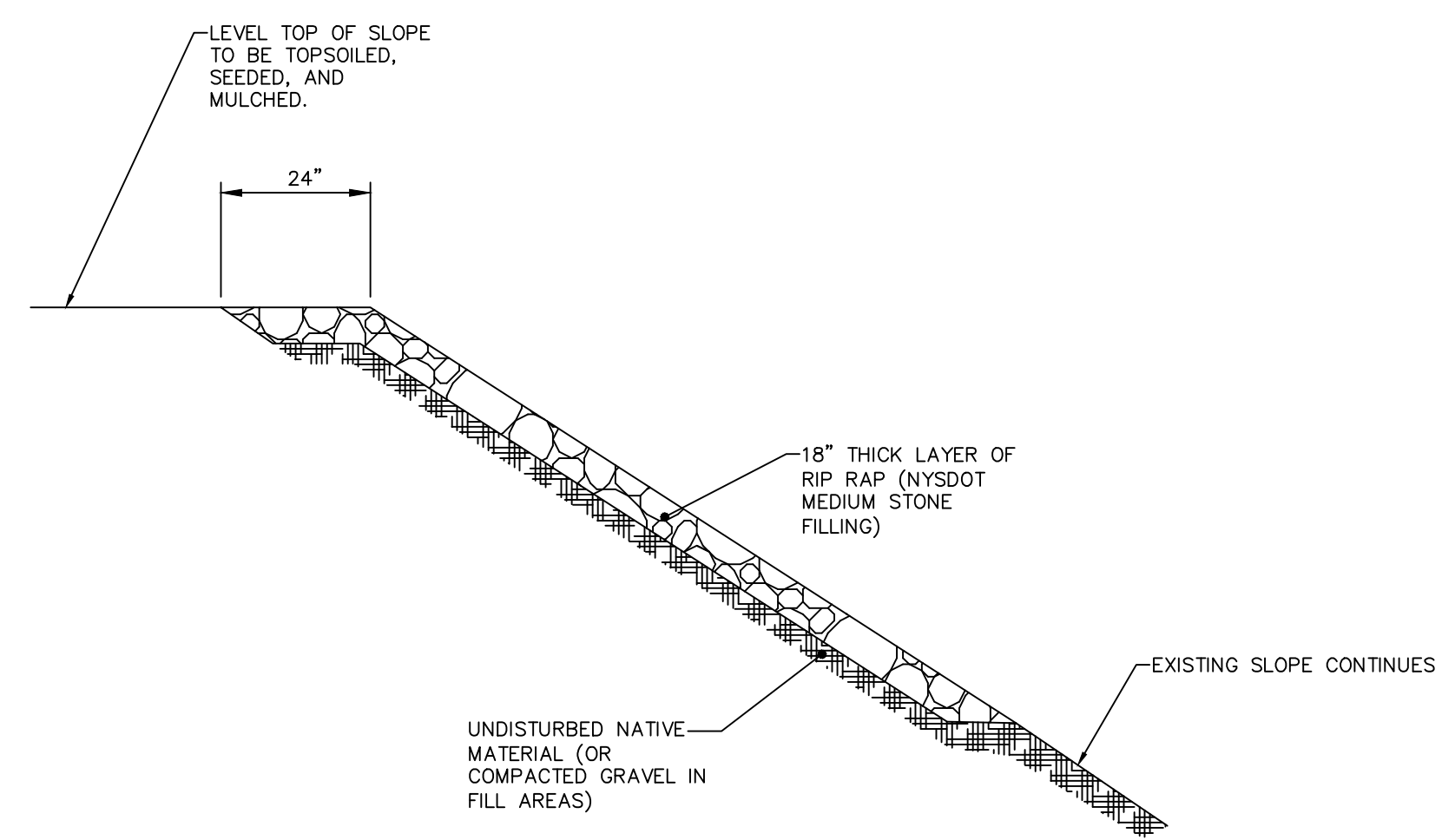
- NOTES:**
- FRAME AND GRATE/COVER:
 - DMH-01: OPEN GRATE, ROUND, 30" DIAMETER (EJ V3600-4 OR EQUIVALENT), CAST INTO MANHOLE TOP.
 - DMH-02: SOLID COVER, ROUND, 30" DIAMETER (EJ V1432 OR EQUIVALENT), CAST INTO MANHOLE TOP.
 - MANHOLE STRUCTURES SHALL BE PRECAST CONCRETE, DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
 - FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING & 25% IMPACT.
 - CONCRETE CATCH BASIN LID CLEAR OPENING DIMENSION MUST MATCH FRAME AND GRATE CLEAR OPENING DIMENSION.
 - BACKFILL USING TRENCH BACKFILL (SEE 5/C530), COMPACTED IN 6" LIFTS.
 - ECCENTRIC CONE TOP CAN BE USED FOR MANHOLES DEPTH GREATER THAN 7 FEET.
 - ALL PRECAST CONSTRUCTION IN ACCORDANCE W/ASTM C478.

06 PRECAST CONCRETE CATCH BASIN/MANHOLE DETAIL
SCALE: NOT TO SCALE **LAST REVISED:**



- NOTES:**
- PIPE BEDDING: NYSDOT SELECT GRANULAR FILL, UNCOMPACTED BELOW THE PIPE AND COMPACTED TO 95% STANDARD PROCTOR IN THE OUTER AREAS.
 - EMBEDMENT: NYSDOT SELECT GRANULAR FILL, COMPACTED IN 6" LIFTS TO 95% STANDARD PROCTOR.
 - PIPE ZONE BACKFILL: NYSDOT SELECT GRANULAR FILL, COMPACTED IN 6" LIFTS TO 95% STANDARD PROCTOR.
 - TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL 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:
- | SIEVE DESIGNATION | % PASSING |
|-------------------|-----------|
| 4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |
- IN TRAFFIC AREAS COMPACT TO 95% STANDARD PROCTOR.
IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% STANDARD PROCTOR.
- INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
 - TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

05 PIPE TRENCH DETAIL (TYPICAL)
SCALE: NOT TO SCALE **LAST REVISED:**



07 STABILIZED SLOPE DETAIL
SCALE: NOT TO SCALE **LAST REVISED:**