

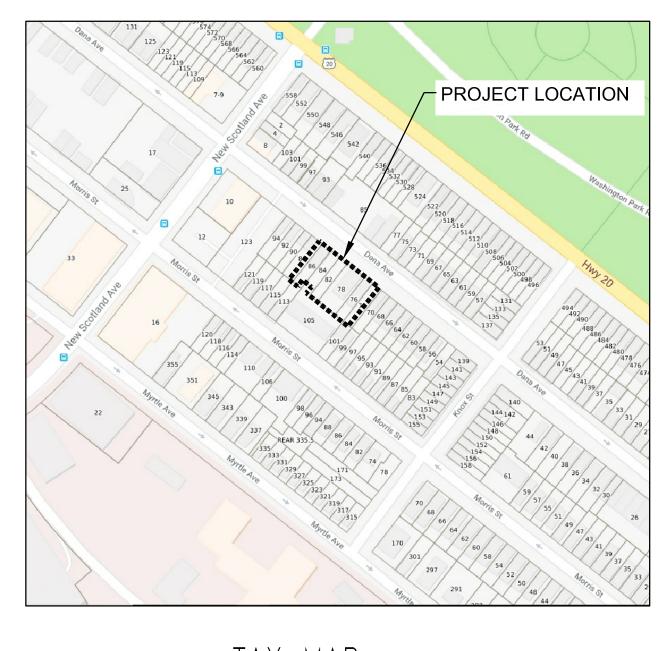
<u>ortho map</u>

1"=200

ZONING AND LAND USE

SECTION 375: ZONING – CITY OF ALBANY DIMENSIONAL REQUIREMENTS (ADOPTED JUNE 2017)							
DISTRICT	LOT WIDTH MINIMUM (feet)	IMPERVIOUS LOT COVERAGE MAXIMUM (percent)	FRONT SETBACK MINIMUM (feet)	SIDE SETBACK MINIMUM (feet)	REAR SETBACK MINIMUM (feet)	Building Height Maximum	NO. OF Dwelling Units Maximum
R-M (MULTI- FAMILY)	22	80	0	0	15	4 STORIES	1 per 75 SF OF G.F.A.

The Reserve at Park South 2 86 Dana Avenue Albany, NY 12208



Albany Medical Center

tax map

1"=200'

DRAWING LIST

<u>SHEET</u>	TITLE	CONSULTANT
C0.0	COVER SHEET	ENGINEERING VENTURES
C0.1	SITE LEGEND AND NOTES	ENGINEERING VENTURES
C1.0	EXISTING CONDITIONS, DEMOLITION AND EPSC PLAN	ENGINEERING VENTURES
C1.1	SITE, GRADING/UTILITY, AND EPSC PLAN	ENGINEERING VENTURES
C2.0	SITE AND WATER DETAILS	ENGINEERING VENTURES
C2.1	STORMWATER DETAILS (1 OF 2)	ENGINEERING VENTURES
C2.2	STORMWATER DETAILS (2 OF 2)	ENGINEERING VENTURES
C2.3	SANITARY AND EPSC DETAILS	ENGINEERING VENTURES
C2.4	CITY OF ALBANY STANDARD SITE DETAILS	ENGINEERING VENTURES



ZONING MAP

1"=250'

SUBJECT PROPERTY:

CITY OF ALBANY, ALBANY COUNTY, NEW YORK SEC. 76.22 – BLOCK 4 PARCELS 9, 10, 11, 13, 14 & 15

OWNER\APPLICANTS:

RON STEIN TRPS2, LLC 204 WINDING BROOK ROAD NEW ROCHELLE, NY 10804

CONSULTANTS:

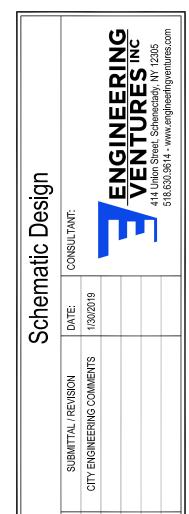
<u>civil engineer</u> Engineering ventures, pc 414 UNION STREET SCHENECTADY, NY 12305

<u>ARCHITECT</u> C2 ARCHITECTURE, PC 340 BROADWAY SCHENECTADY, NY 12305

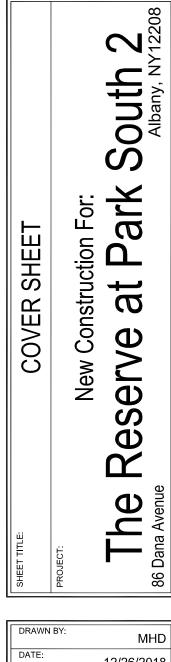
<u>TOPOGRAPHIC SURVEY</u> AUSFELD & WALDRUFF LAND SURVEYORS LLP 323 CLINTON STREET SCHENECTADY, NY 12305

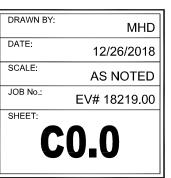






<u>8</u> –





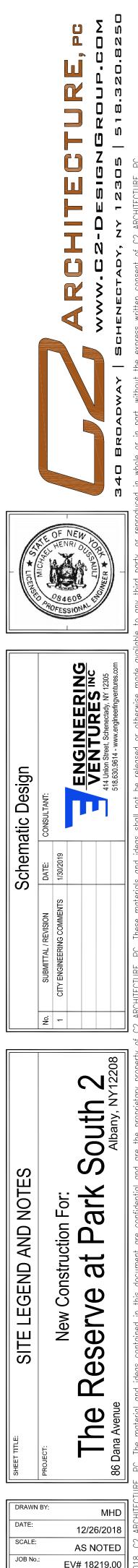
NOT FOR CONSTRUCTION JANUARY 30, 2019

POSED FEATURES		EXISTING FEATURE		PROPOSED FEATURES		EXISTING FEATURES	
	BOUND		BOUND	100	MAJOR CONTOUR		
÷	BENCHMARK		BENCHMARK	98	MINOR CONTOUR	<i>98</i>	
۲	DRILL HOLE	 	DRILL HOLE	· · ·	EDGE OF RIVER	· · · ·	EDGE OF RIVER
A	SURVEY POINT	<u>_</u> 0 <u>\</u>	SURVEY POINT	<u> </u>	EDGE OF POND		EDGE OF POND
0	IRON PIN	0	IRON PIN			· · · .	FLOOD PLAIN
TP1	TEST PIT	TP1	TEST PIT		PROPERTY LINE		PROPERTY LINE
B1		<i>B1</i>			RIGHT OF WAY	<u> </u>	RIGHT OF WAY
\bullet	BORING		BORING	· ·	SETBACK	· · _	SETBACK
P1	PERC TEST	<i>P1</i>	PERC TEST	· · ·	EASEMENT	· · ·	EASEMENT
	CATCH BASIN (SQUARE)		CATCH BASIN (SQUARE)	LOC	LIMIT OF CONSTRUCTION		LIMIT OF CONSTRUCTION
•	CATCH BASIN (ROUND)	•	CATCH BASIN (ROUND)	LOD	LIMIT OF DISTURBANCE		LIMIT OF DISTURBANCE
\Leftrightarrow	HEADWALL	\sim	HEADWALL	SF	SILT FENCE		SILT FENCE
~ ~ ∆	FLARED END SECTION		FLARED END SECTION	- 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1			DEMOLITION WORK
					CENTERLINE		CENTERLINE
	STONE APRON		STONE APRON		EDGE OF PAVEMENT		EDGE OF PAVEMENT
0	DRAIN MANHOLE (DMH)		DRAIN MANHOLE (DMH)		EDGE OF GRAVEL		- EDGE OF GRAVEL
₀ C/0	DRAINAGE CLEAN OUT	_ C∕0	DRAINAGE CLEAN OUT		EDGE OF CONCRETE		EDGE OF CONCRETE
\$	SANITARY SEWER MANHOLE (SMH)	(\mathbb{S})	SANITARY SEWER MANHOLE (SMH)		CURB		CURB
₀ د/٥	SANITARY CLEAN OUT	_ C∕0	SANITARY CLEAN OUT	x x	FENCE (BARBED WIRE)	X X	FENCE (BARBED WIRE)
×	HYDRANT	₩.	HYDRANT	o o	FENCE (CHAIN LINK)	O O	FENCE (CHAIN LINK)
No.	WATER SHUTOFF	NO WV	WATER SHUTOFF	o o	— FENCE (WOODEN)		FENCE (WOODEN)
	TAPPING SLEEVE & VALVE	\bowtie	TAPPING SLEEVE & VALVE		GUARD RAIL		GUARD_RAIL
∑s∑	GATE VALVE	GV	GATE VALVE		TREE LINE		TREE LINE
Ø	WELL	\bigcirc	WELL			— — — — —	EDGE OF WETLANDS – DELINEA
പ	UTILITY POLE	J.	UTILITY POLE				EDGE OF WETLANDS - APPROX
-0	GUY POLE	-	GUY POLE		STONE WALL	• • • • •	STONE WALL
œ	ELECTRICAL MANHOLE	E	ELECTRICAL MANHOLE	s	SANITARY SEWER	S	SANITARY SEWER
	FLOOD LIGHT		FLOOD LIGHT			(S)	SANITARY SEWER APPROX.
₹ ¢	LIGHT POST	▼ ¢	LIGHT POST		SEWER FORCEMAIN	FM	SEWER FORCEMAIN
↔ Ɗ	TELEPHONE MANHOLE	Ē	TELEPHONE MANHOLE	ss	SEWER SERVICE	SS	SEWER SERVICE
					DISPOSAL AREA LATERAL		DISPOSAL AREA LATERAL
©	NATURAL GAS MANHOLE	G	NATURAL GAS MANHOLE	ST	STORM LINE	ST	STORM LINE
©	COMMUNICATION MANHOLE	C	COMMUNICATION MANHOLE	51			STORM LINE APPROX.
	BOLLARD	•	BOLLARD		UNDER DRAIN	(ST)	UNDER DRAIN
<u> </u>	SINGLE POLE SIGN		SINGLE POLE SIGN		FOUNDATION DRAIN		FOUNDATION DRAIN
	DOUBLE POLE SIGN		DOUBLE POLE SIGN	FD		FD	POONDATION DRAIN
+ 100.5	SPOT ELEVATION	+ 100.00	SPOT ELEVATION		ROOF DRAIN		
E	ACCESSIBLE PARKING STALL	5.	ACCESSIBLE PARKING STALL		· - DITCH/SWALE	$\rightarrow \rightarrow \rightarrow \rightarrow$	- DITCH/SWALE
\Rightarrow	DRAINAGE FLOW	\implies	DRAINAGE FLOW	——————————————————————————————————————	TELECOMM	T	TELECOMM
\cdot \cdot \cdot \cdot	DECIDUOUS TREE		ECIDUOUS TREE			(T)	TELECOMM APPROX.
			The second	UGT	UNDERGROUND TELECOMM		UNDERGROUND TELECOMM
× }	CONIFEROUS TREE		CONIFEROUS TREE	OHT	OVERHEAD TELECOMM	OHT	OVERHEAD TELECOMM
m apr (un.	E	ELECTRIC LINE	E	ELECTRIC LINE
						(E)	ELECTRIC APPROX.
				UGE	UNDERGROUND ELECTRIC	UGE	UNDERGROUND ELECTRIC
				OHE	OVERHEAD ELECTRIC	OHE	OVERHEAD ELECTRIC
					ELECTRICAL SITE LIGHTING		ELECTRICAL SITE LIGHTING
					WATER LINE		WATER LINE
						(W)	WATER APPROX.
					WATER SERVICE	WS	WATER SERVICE
				GAS	GAS LINE	GAS	GAS LINE
						(G)	GAS APPROX.
				CATV	CABLE TV	CATV	CABLE TV
				UGTV	UNDERGROUND CABLE TV		UNDERGROUND CABLE TV
				онтv	OVERHEAD CABLE TV	OHTV	OVERHEAD CABLE TV
				STM	STEAM LINE	STM	STEAM LINE
				LPS	LOW PRESSURE STEAM	LPS	LOW PRESSURE STEAM
					HIGH PRESSURE STEAM		HIGH PRESSURE STEAM
					——— HOT WATER		HOT WATER

LINETYPE LEGEND

STANDARD ABBREVIATIONS

	DDRE					
BENCHMARK	ВМ	END OF VERTICAL CURVE		LIMITS OF CONSTRUCTION	LOC	REINFORCED CONCRETE PIPE
BEGINNING OF VERTICAL			EVCE	LIMITS OF DISTURBANCE	LOD	RIGHT-OF-WAY
CURVE ELEVATION	BVCE	END OF VERTICAL CURVE STATION	EVCS	MAXIMUM	MAX	SANITARY
BEGINNING OF VERTICAL CURVE STATION	BVCS	EXISTING	EX	MINIMUM	MIN	SANITARY MANHOLE
CAST-IN-PLACE	CIP	EXISTING GRADE/GROUND	EG	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	MUTCD	SILT FENCE
CAST IRON	CI	FINISHED FLOOR	FF			SLOPE
CATCH BASIN	СВ	FINISHED GRADE/GROUND	FG	MONITORING WELL	MW	STATION
CENTERLINE	¢.	FIELD INLET	FI	MONUMENT	MON	STORM MANHOLE
CLEAN OUT	C/0	FLARED END SECTION	FES	NOT IN CONTRACT	NIC	TANGENT
CORRUGATED METAL PIPE	CMP	FOOT, FEET	FT	NOT TO SCALE	NTS	TANGENT TO CURVE
cubic feet	CF	FOOTING	FTG	POINT OF CURVATURE	PC	TAPPING SLEEVE AND VALVE
CUBIC FEET PER SECOND	CFS	FOUNDATION	FND	POINT OF INTERSECTION	PI	TEMPORARY BENCHMARK
CUBIC YARD	CY	GALLONS PER MINUTE	GPM	POLYETHYLENE, PROFESSIONAL ENGINEER	PE	TEST PIT
DIAMETER	DIA	GATE VALVE	GV	PROPERTY LINE	PL	TOP OF BANK
DISTRIBUTION BOX	D-BOX	HEADWALL	HW	PERC TEST, POINT OF TANGENCY	PT	TOP OF CURB
DUCTILE IRON	DI	HIGH DENSITY POLYETHYLENE	HDPE	POLYVINYL CHLORIDE	PVC	TOP OF WALL
EDGE OF CONCRETE	EOC	HYDRANT	HYD	POINT OF VERTICAL INTERSECTION	PVI	TYPICAL
EDGE OF GRAVEL	EOG	INTERSECTION	INT	POND	PND	VERIFY IN FIELD
EDGE OF PAVEMENT	EOP	INVERT	INV	QUANTITY	QTY	WATER VALVE
ELECTRIC	ELEC	IRON PIN	IP	QUALITY ASSURANCE	QA	
ELECTRIC MANHOLE	EMH	IRON PIPE SIZE	IPS	QUALITY CONTROL	QC	
ELEVATION	ELEV	LENGTH	L=	RADIUS	R=	



SHEET:

C0.1

RCP

ROW

AT2

TS&V

TBM

TOB

TOC

TOW

WV

EROSION CONTROL STRUCTURE SCHEDULE



THE FOLLOWING TECHNIQUES WILL BE UTILIZED AS PART OF A SEDIMENT AND EROSION CONTROL PROGRAM. THE SEDIMENT AND EROSION CONTROL PROGRAM WILL BE IMPLEMENTED IN STAGES. CERTAIN ITEMS FROM ONE STAGE WILL LIKELY OVERLAP OR TAKE PLACE CONCURRENTLY WITH ITEMS FROM OTHER STAGES. REFER TO DETAILS THIS SHEET.

STABILIZED CONSTRUCTION ENTRANCE.

THIS STRUCTURAL MEASURE IS A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, SIDEWALK, OR PARKING AREA. THE PURPOSE OF A STABILIZED CONSTRUCTION ENTRANCE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY OR STREETS. THIS WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED.

<u>SILT FENCING.</u> THIS STRUCTURAL MEASURE IS A TEMPORARY BARRIER OF GEOTEXTILE FABRIC USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL. IT IS INSTALLED ALONG THE PERIMETER OF IMPACTED AREAS AND ALONG THE BASE OF THE FILL SLOPES. ADDITIONALLY, WHEN DESIGNATED ALONG THE LIMITS OF DISTURBANCE, INSTALL CONSTRUCTION FENCE BEHIND THE SILT FENCE. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES 6 INCHES DEEP AT THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A PROPER SEDIMENT BARRIER.



STAGING

AREA

APPROXIMATE SOIL STOCKPILE AREAS. THESE ARE APPROVED LOCATIONS WHERE TOPSOIL AND OTHER SOIL MATERIALS MAY BE STORED. THESE STOCKPILES WILL BE PROTECTED FROM EROSION BY A NUMBER OF METHODS. INCLUDING INSTALLING SILT FENCING AROUND THE DOWN GRADIENT PERIMETER OF THE STOCKPILE AND SEEDING AND MULCHING THE STOCKPILE WHEN NOT IN USE FOR MORE THAN FIVE DAYS. CONTRACTOR SHALL SUBMIT PROPOSED AREA FOR ENGINEER APPROVAL.

APPROXIMATE STAGING AND WASTE AREAS.

THESE ARE APPROVED LOCATIONS WHERE NON-SOIL, NON-ERODIBLE MATERIALS MAY BE STORED. SOILS SHALL NOT BE STORED IN THESE AREAS.

LIMITS OF DISTURBANCE.

THE CONTRACTOR SHALL CONTAIN ANY EARTH MOVING ACTIVITIES WITHIN THE DESIGNATED LIMITS SHOWN ON THIS PLAN. THE ENGINEER SHALL REVIEW THE SITE TO MAKE ANY ADJUSTMENTS TO ACCOUNT FOR ENVIRONMENTALLY SENSITIVE AREAS, SPECIMEN TREES AND SPECIAL AREAS OF CONCERN. THE LIMITS SHALL BE DEMARKED WITH ORANGE CONSTRUCTION FENCE, BARRIER TAPE, OR FLAGGING TAPE. THESE WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE PROJECT SITE HAS BEEN PERMANENTLY STABILIZED. CONFIRM LOCATION, EXTENTS AND GATES WITH OWNER. FENCE LOCATION AND GATES TO BE RE-ADJUSTED AS NECESSARY BASED ON CM REQUIREMENTS AND COORDINATION.



CONCRETE TRUCK WASHOUT THIS IS AN APPROVED LOCATION WHERE CONCRETE TRUCK MIXERS AND EQUIPMENT CAN BE WASHED AFTER THEIR LOADS HAVE BEEN DISCHARGED, TO PREVENT HIGHLY ALKALINE RUNOFF FROM ENTERING STORM DRAINAGE SYSTEMS OR LEACHING INTO THE SOIL. THE FACILITY SHALL BE LINED TO PREVENT RUNOFF FROM LEACHING INTO THE SOIL. TEMPORARY SIGNAGE SHALL BE PROVIDED TO DIRECT DRIVERS TO THE FACILITY.



TEMPORARY INLET PROTECTION INSTALL ON ALL PROPOSED CATCH BASINS. STONE TO BE REMOVED AND REPLACED WITH CLEAN STONE WHEN SEDIMENT IS ≤ 1/2 DEPTH OF STONE. REMOVE ALL SEDIMENT IF COLLECTED IN STRUCTURE AS SOON AS POSSIBLE.

DEMOLITION NOTES

- 1. ALL DEMOLITION ITEMS FROM THE DEMOLITION, UNLESS NOTED BY THE OWNER TO BE STORED OR REUSED, BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. SOIL DISPOSAL SHALL BE AS DIRECTED BY OWNER. ALL DEMOLITION MATERIALS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH REQUIREMENTS OF REGULATORY AGENCIES HAVING JURISDICTION, INCLUDING, BUT LIMITED TO, THE CITY OF ALBANY, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND ALL OTHER AGENCIES. ALL DEMOLITION ITEMS SHALL BE DISPOSED OF AT AN APPROVED AND PERMITTED FACILITY.
- 2. ALL ADJACENT FACILITIES AND STRUCTURES NOT INDICATED AS INCLUDED IN THE SCOPE OF WORK, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ALL ADJACENT FACILITIES OR STRUCTURES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO PRE-CONSTRUCTION CONDITION OR BETTER.
- 3. EXISTING UTILITY CONNECTIONS, INCLUDING WATER, SANITARY SEWER, NATURAL GAS, OVERHEAD & BURIED ELECTRIC, TELEPHONE, CABLE, ETC., SHALL BE TERMINATED AT THE SERVICE MAIN IN ACCORDANCE WITH THE UTILITY COMPANY OR CITY REQUIREMENTS. ALL ONSITE PIPING, WIRING, CONDUITS & STRUCTURES SHALL BE REMOVED.
- 4. DEMOLITION SHALL INCLUDED, BUT IS NOT LIMITED TO, REMOVAL OF: FOUNDATION WALLS, FLOOR SLABS, SURFACE PAVEMENTS, RETAINING WALL, BUILDINGS, ACCESSORY STRUCTURES AND ALL OTHER STRUCTURES NOT SCHEDULED TO REMAIN.
- 5. IF HAZARDOUS MATERIALS OR WASTE IS ENCOUNTERED DURING DEMOLITION WORK, THE CONTRACTOR SHALL CONTACT THE REGULATORY AGENCIES AND COMPLY WITH THE JURISDICTIONAL REQUIREMENTS. HAZARDOUS MATERIALS AND WASTES MUST BE REMOVED BY A PERMITTED HAZARDOUS WASTE CONTRACTOR TO A PERMITTED HAZARDOUS WASTE SITE PERMITTED TO ACCEPT THE CHARACTERIZED WASTE.
- 6. TAKE ALL PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK AREA DURING DEMOLITION PROCEDURES. THE CONTRACTOR SHALL MINIMIZE DUST AND NOISE POLLUTION GENERATED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.
- 7. PRIOR TO DEMOLITION, HAND EXCAVATE ANY UNDERGROUND UTILITIES. NOTIFY THE OWNER IF ANY OTHER UTILITIES NOT NOTED ON THE DRAWINGS ARE FOUND.
- 8. CARE SHALL BE TAKEN NOT TO DAMAGE OR DISTURB ANY TREES NOT CALLED OUT FOR REMOVAL DURING CONSTRUCTION. KEEP CONSTRUCTION ACTIVITIES AND EQUIPMENT OUTSIDE OF DRIP LINE OF EXISTING TREES TO REMAIN AND NEWLY INSTALLED TREES.
- 9. ALL DEPRESSIONS OR VOIDS IN THE GROUND SURFACE RESULTING FROM DEMOLITION WORK SHALL BE BACKFILLED WITH CLEAN, GRANULAR FILL MATERIALS MEETING NEW YORK STATE DEPARTMENT OF TRANSPORTATION TYPE 4 SPECIFICATIONS AND SHALL BE COMPACTED TO A MINIMUM 90% MODIFIED PROCTOR DENSITY AND PLACED IN 12" LIFTS MAXIMUM

10. THE FOLLOWING ITEMS SHALL BE DEMOLISHED AND REMOVED FROM THE SITE:

Λ	
/1	
	05
	D7

BUILDING OR ACCESSORY STRUCTURE INCLUDING ATTACHED DECKS AND STAIRS

TREE/SHRUB

UTILITY SERVICE CONNECTION (CAP ALL REMOVED UTILITIES) CONCRETE SIDEWALKS, PATIOS AND BRICK PAVERS. REMOVALS SHALL EXTEND ACROSS FRONTAGE OF PROPOSED PROJECT, LOTS 74, 76, 78, 82, 84 AND 86. BITUMINOUS PAVEMENT

FENCING

OVERHEAD ELECTRICAL POWER (RELOCATED UNDERGROUND, SEE SHEET C1.1)

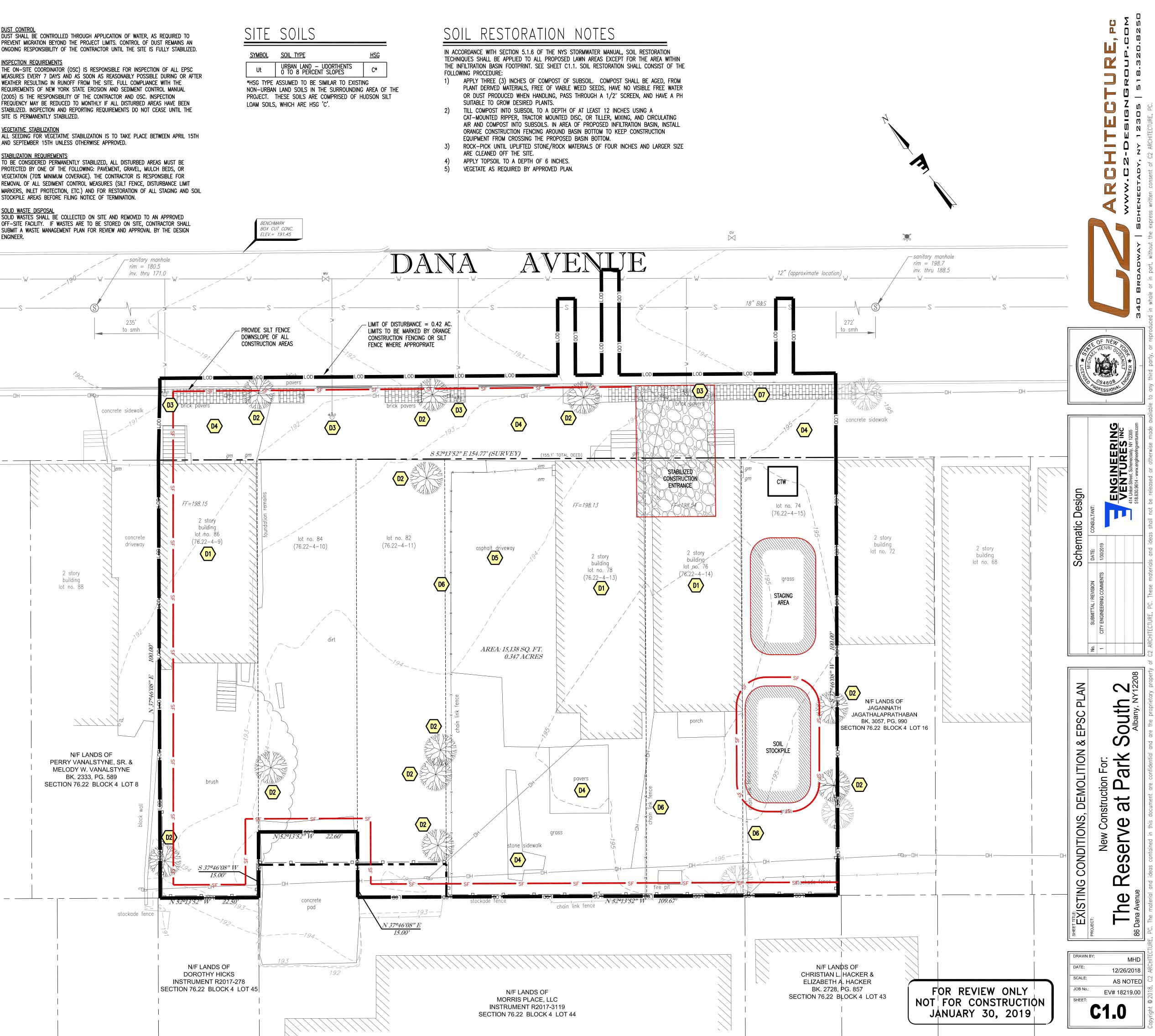
SURVEY NOTES

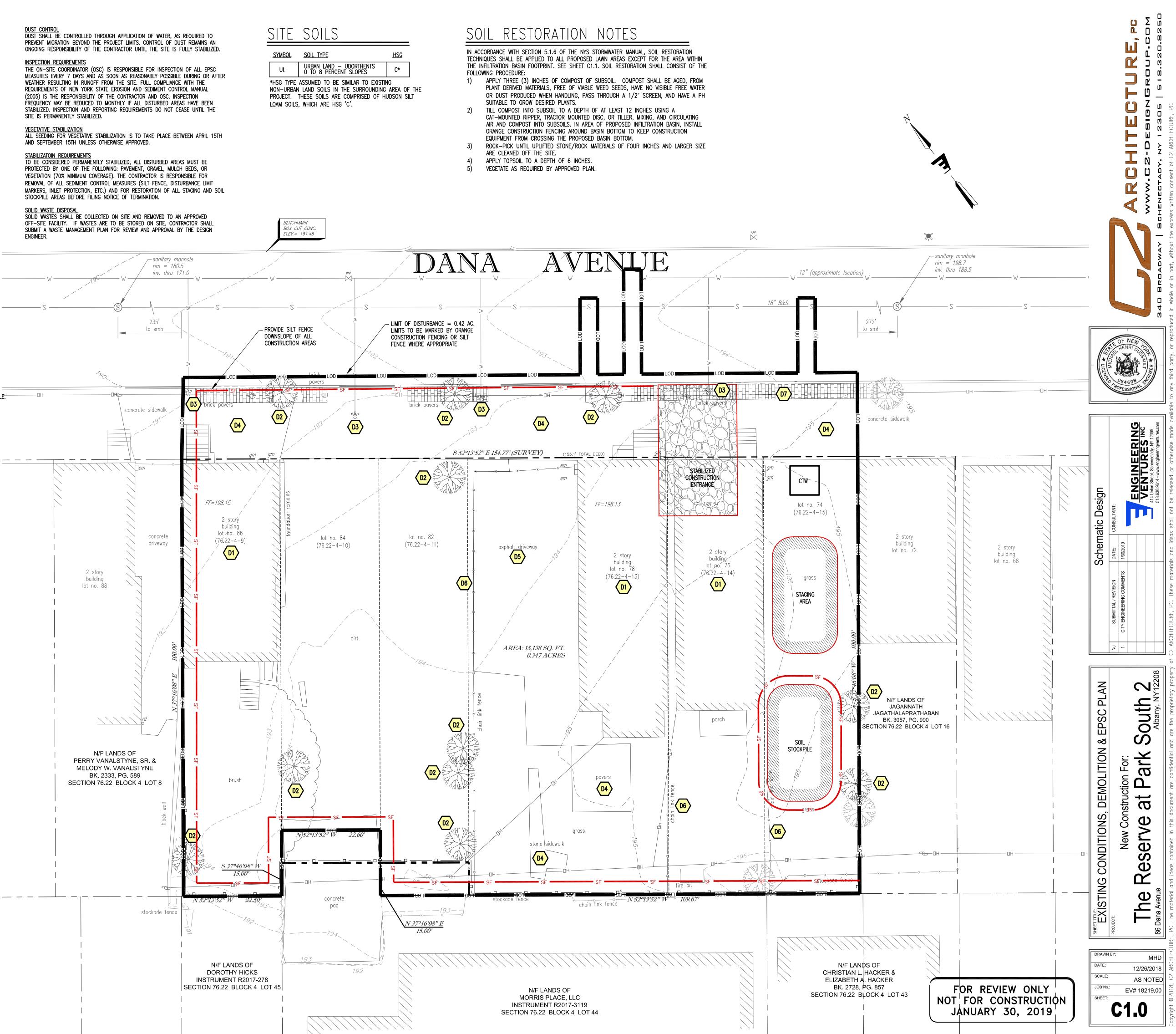
- 1. EXISTING PHYSICAL FEATURES AND TOPOGRAPHY SHOWN HERE IS TAKEN FROM A SURVEY TITLED "BOUNDARY & TOPOGRAPHIC SURVEY TAX PARCELS: SECTION 76.22 - BLOCK 4 - LOTS 9, 10, 11, 13, 14 & 15, DANA AVENUE, CITY OF ALBANY, ALBANY COUNTY, NY", PREPARED BY AUSFELD & WALDRUFF LAND SURVEYORS LLP, DATED NOVEMBER 1, 2018.
- 2. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITIES SHOWN ON PLANS WERE TAKEN FROM FIELD OBSERVATIONS OF VISIBLE UTILITIES AND PREVIOUS MAPS AND RECORD UTILITY DRAWINGS AND NOT GUARANTEED TO BE ACCURATE OR COMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING UTILITY LOCATIONS PRIOR TO COMMENCING WORK. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN UTILITIES AS SHOWN AND AS FOUND. THE CONTRACTOR SHALL CONTACT DIG SAFE (811 or 888-344-7233) A MINIMUM OF 72 HOURS, BUT NOT INCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO ANY CONSTRUCTION.
- 3. HORIZONTAL DATUM & NORTH ORIENTATION AREA BASED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD83 - EAST ZONE, ESTABLISHED FROM GPS OBSERVATIONS AT THE TIME OF SURVEY.
- 4. VERTICAL DATUM IS BASED ON NAVD88, ESTABLISHED FROM GPS OBSERVATIONS AT THE TIME OF FIELD SURVEY.

GRAPHIC SCALE 1 inch = 10 ft.

for sheet size 24" x 36"

AND SEPTEMBER 15TH UNLESS OTHERWISE APPROVED.





GENERAL NOTES 1. EXACT OBJECT LOCATIONS MAY DIFFER FROM THAT AS SHOWN, AND ADDITIONAL SUB-SURFACE AND

- SURFACE UTILITIES AND STRUCTURES MAY EXIST. THE CONTRACTOR IS TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK AND TO CALL DIG SAFE 72 HOURS PRIOR TO ANY DIGGING, DRILLING OR BLASTING. 2. 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 THE EXPRESSED APPROVAL FROM THE ENGINEER. 3. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING
- WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT. 4. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO EXISTING CONDITIONS OR BETTER AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, UNLESS NOTED OTHERWISE.
- 5. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
- 6. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, AND CERTIFICATES.
- 7. THE CONTRACTOR WILL 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 UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR. 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS, AND COORDINATE WORK WITH ALL CONTRACTS FOR THE SITE.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS.
- $\sim\sim\sim\sim\sim\sim$ 10. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST OSHA AND NYS DEPARTMENT OF LABOR REGULATIONS FOR CONSTRUCTION. EXCAVATION/BACKFILL ADJACENT TO EXISTING FOUNDATIONS AND BUILDINGS SHALL NOT EXTEND BELOW OR ABOVE THE EXISTING GRADE(S) OF SAID STRUCTURE(S) WITHOUT ADEQUATE SHEETING, BRACING, SHORING AND/OR UNDERPINNING DESIGNED BY A NYS LICENSED PROFESSIONAL ENGINEER. ALL PREPARED DESIGNS AND CALCULATIONS SHALL BE SUBMITTED WITH THE GRADING PERMIT. I. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE
- DURING THE COURSE OF WORK. 12. MAINTAIN FLOW FOR ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE.
- 13. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS
- 14. CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND IMPERVIOUS SURFACES.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION, MONITORING, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES AND TAKING PRECAUTIONARY STEPS TO AVOID VANV-SEDIMENT-TRANSFER-TO, NEIGHBORING-SIFES, OR-WATERS-OF, THE, STATE,
- 17. GRADING PERMIT IS REQUIRED BY THE CITY ENGINEERING DEPARTMENT PRIOR TO THE START OF DEMOLITION. CONTACT PATRICK MCCUTCHEON AT (518) 434-2387. CONTRACTOR TO APPLY, BOND TO BE INCLUDED.
- 18. STREET OPENING PERMITS ARE REQUIRED BY DEPARTMENT OF GENERAL SERVICES FOR ANY WORK WITHIN THE CITY'S R.O.W. CONTACT GARY BOHL AT (518) 462-3519. CONTRACTOR TO APPLY. 19. R.O.W. ACCESS APPLICATION (CURB CUT / DRIVEWAY) ARE REQUIRED BY THE DEPARTMENT OF GENERAL
- SERVICES. CONTACT GARY BOHL AT (518) 462-3519. PROPERTY OWNER TO APPLY. 20. GUY LINES FOR RELOCATED UTILITY POLES SHALL NOT BE LOCATED IN THE SIDEWALK PROPER. GUY LINES MUST BE LOCATED IN THE MAINTENANCE / PAVER STRIP.
- 21. THE PROPERTY OWNER SHALL CONTRACT WITH THE CITY OF ALBANY FOR ALL STEPS, STAIRS, PLANTERS AND BUILDING OVERHANGS WITHIN THE CITY'S R.O.W.
- 22. THE CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY ENGINEERING DEPARTMENT IF SPOILS FROM THE SITE ARE DEPOSITED WITHIN THE CITY OF ALBANY. 23. SIDEWALK CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28-DAYS.

SITE NOTES

PROPOSED CONCRETE SIDEWALK - SEE CITY STANDARD DETAIL SW-1 ON DRAWING C2.4. PROPOSED GRANITE CURB - SEE CITY STANDARD DETAIL C-1 ON DRAWING C2.4. PROPOSED FULLY DEPRESSED GRANITE CURB - CURB REVEAL AT ROADWAY SHALL BE 1/2". SEE CITY STANDARD DETAIL DW-4 ON DRAWING C2.4. PROPOSED ADA ACCESSIBLE RAMP - RAMP SLOPE 1:12 MAXIMUM. SEE ARCHITECTURAL DRAWINGS.

(C5) PROPOSED STAIRS WITH RAILING, SEE ARCHITECTURAL DRAWINGS.

PROPOSED CONCRETE SLAB. SEE DETAIL 1/C2.0.

(C7**)** PROPOSED PRIVACY FENCE.

> DRIVEWAY APRON / CURB TRANSITION - SEE CITY STANDARD DETAIL DW-4 ON DRAWING C2.4. MAINTENANCE STRIP - STAMPED CONCRETE IN THE FORM OF PAVERS. MATCH EXISTING PATTERN

AND COLOR. CONCRETE SHALL BE DYED AT THE BATCH PLANT, CONCRETE SHALL NOT BE STAINED.

ECTRICAL SCHEDULE

CONDUITS FROM EXISTING UTILITY POLE TO PROPOSED BUILDING, SEE ELECTRICAL DRAWINGS **F2** NEW UTILITY POLES. COORDINATE WITH THE CITY OF ALBANY AND UTILITY PROVIDER. RELOCATE EXISTING STREET LIGHTING TO NEW POLES. SEE GENERAL NOTE 20. **E3** BURIED ELECTRICAL SERVICE BETWEEN NEW UTILITY POLES. COORDINATE WITH

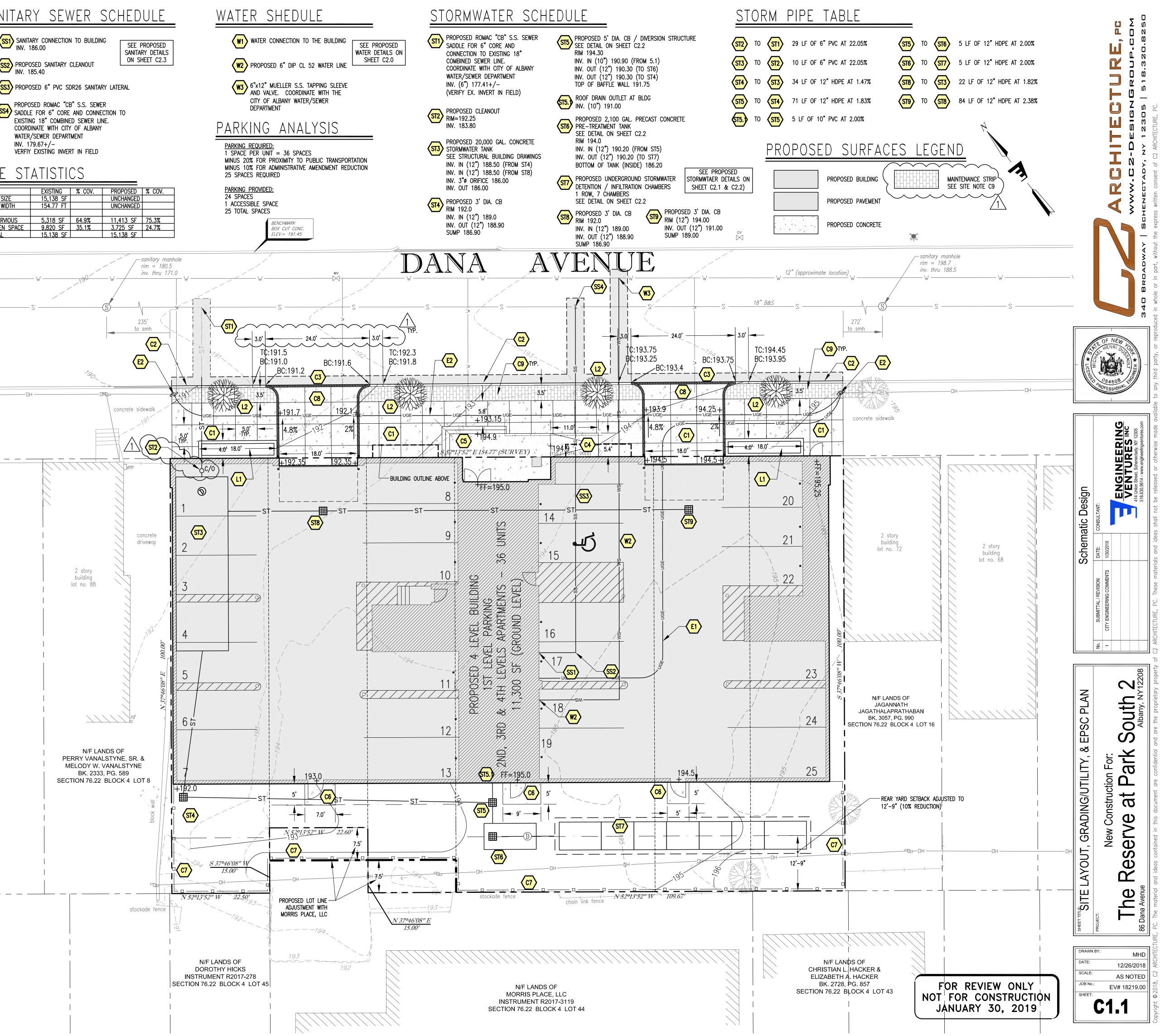
THE CITY OF ALBANY AND UTILITY PROVIDER. SEE DETAIL 2/C2.0. ANDSCAPE SCHEDUL

L1 INTEGRATED CONCRETE PLANTER BOX 4'-0"W x 18'-0"L

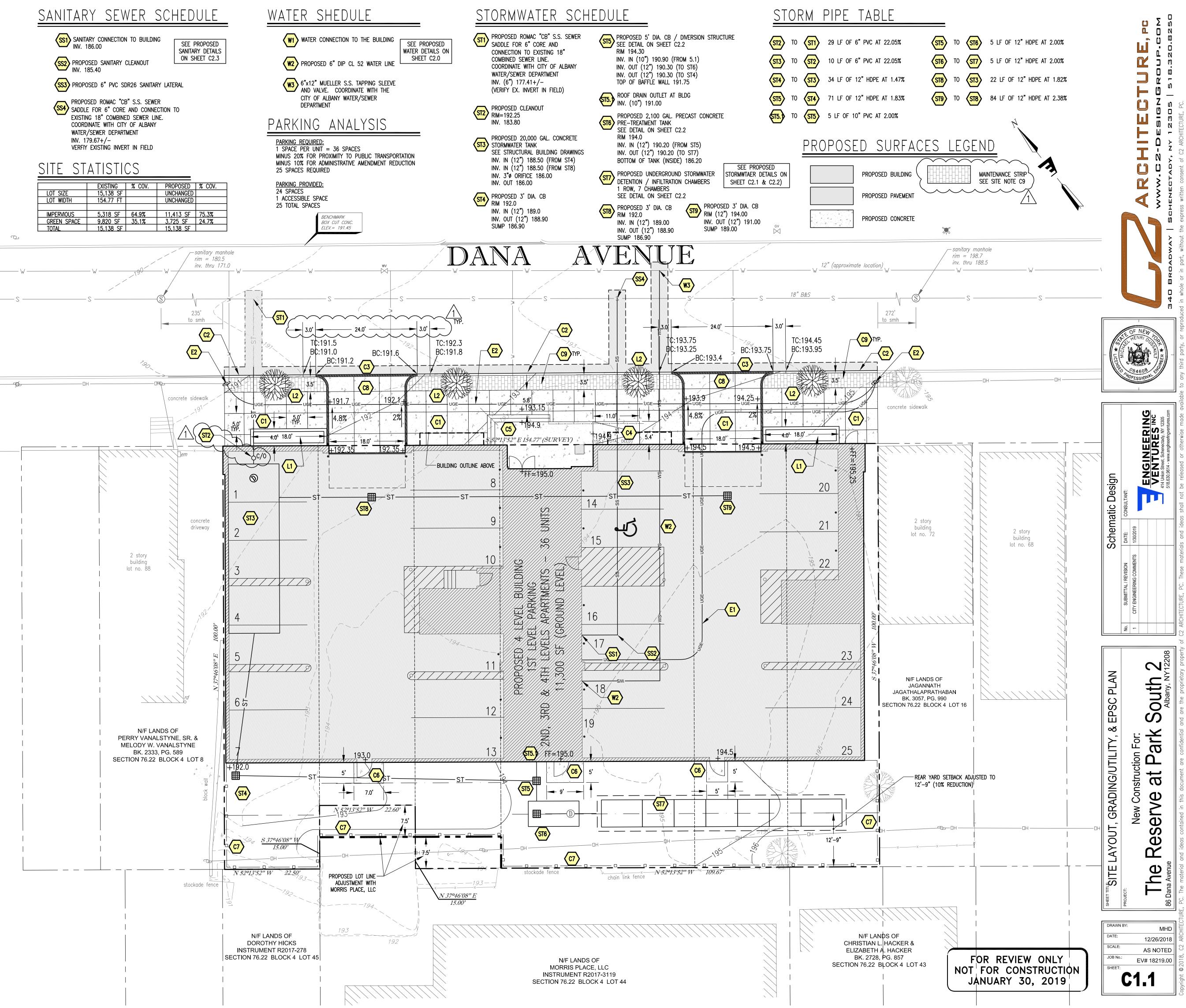
L2 BOTANICAL NAME: QUERCUS ROBUR COMMON NAME: ENGLISH OAK INITIAL SIZE: 2"-2.5" CALIPER TRUNK (MIN.) QUANTITY: 4

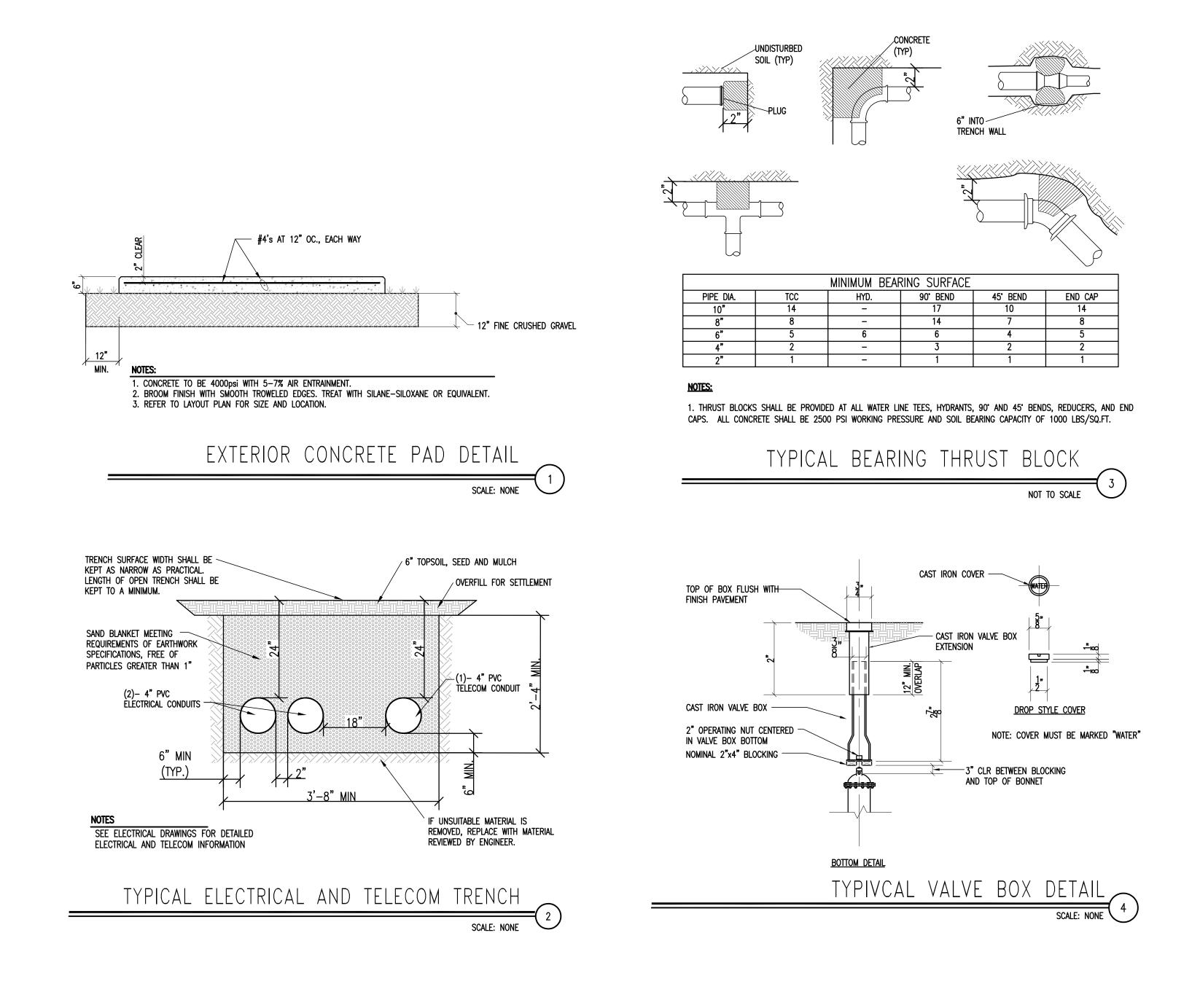
GRAPHIC SCALE

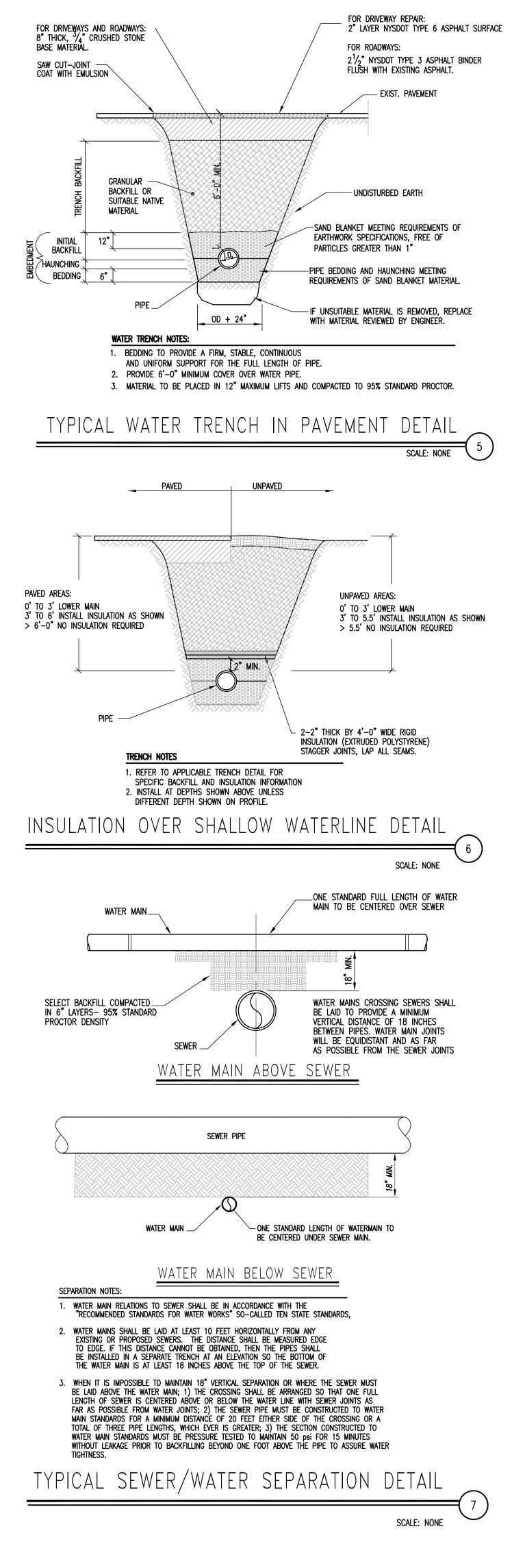
1 inch = 10 ft. for sheet size 24" x 36"



SHE SHARERS				
	EXISTING	% COV.	PROPOSED	%
LOT SIZE	15,138 SF		UNCHANGED	
LOT WIDTH	154.77 FT		UNCHANGED	
IMPERVIOUS	5,318 SF	64.9%	11,413 SF	75
GREEN SPACE	9,820 SF	35.1%	3,725 SF	24
TOTAL	15.138 SF		15.138 SF	







FOR REVIEW ONLY NOT FOR CONSTRUCTION JANUARY 30, 2019

WATER MAINS PERFORM A HYDROSTATIC AND LEAKAGE TEST ACCORDING TO AWWA C600(LATEST REVISION) ON EACH PIPE LINE.

THE ENGINEER SHALL BE GIVEN AT LEAST 48 HOURS NOTICE BEFORE THE TEST IS CONDUCTED. TEST MUST BE WITNESSED BY THE ENGINEER. 3. SPECIFIED TEST PRESSURE IS A MINIMUM OF 200 PSI OR 1.5X THE WORKING PRESSURE, WHICHEVER IS GREATER, AND PRESSURE DURING

TEST SHALL NOT VARY BY MORE THAN 5 PSI. SEE THE CURRENT EDITION OF AWWA C600 FOR ALLOWABLE LEAKAGE. EXISTING UTILITIES

- 1. LOCATION OF UTILITY INSTALLATIONS AND UNDERGROUND STRUCTURES ARE SHOWN AS APPROXIMATE ON THE CONTRACT DOCUMENTS SOME UTILITIES MAY NOT BE SHOWN.
- ALL UTILITIES SHALL BE LOCATED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION. EXISTING UTILITIES SHALL BE PROTECTED AND SUPPORTED DURING CONSTRUCTION.
- ALL WATER, GAS, CABLE, TELEPHONE, ELECTRIC, SEWER, AND OTHER UTILITIES FOUND TO INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED IN A MANNER ACCEPTABLE TO THE ENGINEER. PIPE BEDDING

SAND BEDDING SHALL MEET REQUIREMENTS OF EARTHWORK SPECIFICATIONS SAND BLANKET SHALL MEET REQUIREMENTS OF EARTHWORK SPECIFICATIONS

TRENCH FINAL BACKFILL MATERIAL - MATERIAL WILL EXCLUDE PIECES OF PAVEMENT, ORGANIC MATTER, TOPSOIL, ALL WET OR SOFT MUCK, PEAT, CLAY, LARGE ROCKS(GREATER THAN 12" DIMENSION), OR ANY MATERIAL DETERMINED BY THE ENGINEER THAT WILL NOT BE SUITABLE. PIPE TRENCH BACKFILL

1. MEET EARTHWORK SPECIFICATIONS FOR PLACEMENT AND COMPACTION.

- DUCTILE IRON PIPE (WATER) 1. D.I. PIPE CONFORM TO AWWA/ANSI C151.
- LININGS AND LINING REPAIR TO AWWA/ANSI C104.
- JOINTS CONFORM TO AWWA/ANSI C 111 AND C115.
- FITTINGS CONFORM TO AWWA/ANSI C110, C153, C105 KEEP INSIDE OF PIPE CLEAN AND FREE OF DEBRIS.
- REJECT ANY PIPE WHICH IS DROPPED DURING HANDLING.
- MECHANICAL JOINT GLANDS SHALL BE "MEGA-LUG" RETAINER GLANDS. DUCTILE IRON FITTINGS: ANSI A21.10, 350 PSI PRESSURE RATING.
- 9. JOINTS: MECHANICAL, PUSH-ON, AND FLANGED: A. RUBBER GASKET JOINT, ANSI A21.11
- 10. GASKETS:
- A: MECHANICAL AND PUSH-ON JOINTS: ANSI A21.11 B. FLANGED JOINT: 1/8" THICK RING OR FULL FACED RUBBER, ANSI A21.15.
- 11. BOLTS/NUTS A. MECHANICAL JOINT: ANSI A21.11
- B. FLANGED JOINT: ANSI A21.15 12. LININGS:
- A. INTERIOR- CEMENT LINED, DOUBLE THICKNESS BITUMINOUS SEAL B. EXTERIOR-BITUMINOUS COATING APPROX. 1 MIL THICK, ANSI A21.51, ANSI A21.15, AND ANSI A21.10.

C. FLANGE MACHINED FACE COATING: ANSI A21.15. 13. LAYING PIPE

A. PIPE SHALL BE LAID WITH BELL ENDS FACING IN THE DIRECTION OF LAYING. B. WHERE PIPE IS LAID ON A SLOPE OF 5% OR MORE, THE LAYING SHALL START AT THE LOW END AND PROCEED UPHILL, WITH THE BELL ENDS UPGRADE. . A WATERTIGHT PLUG SHALL BE PLACED IN THE OPEN ENDS OF INSTALLED PIPE WHEN PIPE LAYING IS NOT IN PROGRESS.

D. MAX. PERMISSIBLE DEFLECTION IS 75% OF AWWA SPEC. C600. CHLORINATION OF DOMESTIC WATER LINES

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF BEGINNING ANY DISINFECTION OF WATER MAINS CONTRACTOR SHALL BE RESPONSIBLE FOR BACTERIOLOGICAL TESTING AS REQUIRED BY THIS SPECIFICATION AND REFERENCE STANDARDS MENTIONED.

- 3. DISINFECT ALL NEW PIPELINE SYSTEMS IN ACCORDANCE WITH AWWA C651, INCLUDING: . METHOD OF CHLORINE APPLICATION. USE CONTINUOUS FEED METHOD OR SLUG METHOD (TABLET METHOD IS NOT ACCEPTABLE). B. FORM OF CHLORINE UTILIZED.
 - . FINAL FLUSHING. BACTERIOLOGICAL TESTING
 - . REPETITION OF PROCEDURE
- GATE VALVES RESILIENT SEAT GATE VALVES BY KENNEDY "KEN-SEAL" OR EQUAL.
- IRON BODY GATE VALVES TO MEET AWWA C-509-87. STEM CONSTRUCTION: NON-RISING.
- STEM SEALS: DOUBLE O-RING.
- GATE: CAST IRON RESILIENT WEDGE WITH SYNTHETIC ELASTOMER COATING, AND SHALL BE EPOXY COATED (FUSION BONDED) INSIDE AND OUT. BONNET HARDWARE SHALL MEET ASTM A307, CADMIUM PLATED. OUTLET CONNECTION: STANDARD MECHANICAL JOINT

OPERATION: OPEN COUNTERCLOCKWISE.

- TAPPING SLEEVES AND VALVES TAPPING VALVES
- TAPPING VALVES TO MEET ANSI/AWWA C509-87, STANDARD FOR RESILIENT SEATED GATE VALVES. VALVES SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI.
- VALVES SHALL OPEN COUNTERCLOCKWISE. INLET FLANGES SHALL BE CLASS 125, ANSI B16.1, OR ANSI/AWWA C110/A21.10.
- OUTLET CONNECTION: STANDARDIZED MECHANICAL JOINT. STEM SEALS: 0 RING.
- STEM CONSTRUCTION: NON-RISING.
- SEATING: PARALLEL SEAT
- END CONNECTIONS: MECHANICAL ON RUN, FLANGED ON BRANCH. 10. BURIED TAPPING VALVES SHALL BE PROVIDED WITH A 2 INCH SQUARE WRENCH NUT AND CAST IRON VALVE BOX. IF DEPTH FROM GRADE TO TOP OF VALVE OPERATING NUT IS GREATER THAN 6'-O, A VALVE STEM RISER MADE OF HIGH STRENGTH STEEL SHALL BE PROVIDED. DEPTH FROM VALVE STEM RISER NUT TO GRADE WILL BE 4 TO 6 FEET.
- TAPPING SLEEVES AWWA C509, LATEST REVISION.
- AWWA C207, CLASS D. MAX, WORKING PRESSURE OF 150 PSI.
- SLEEVES: SPLIT SLEEVES OF CAST IRON OR DUCTILE IRON. MECHANICAL JOINT ENDS WITH END AND GASKET SEALS.
- BOLTS AND NUTS, MECHANICAL JOINTS: HIGH STRENGTH CAST IRON OR HIGH STRENGTH LOW ALLOY STEEL, ANSI/AWWA C111/A21.11-90.
- BOLTS AND NUTS, FLANGED JOINTS: HIGH STRENGTH, LOW CARBON STEEL CONFORMING TO ANSI/AWWA C110/A21.10-87, APPENDIX COAT ALL NUTS AND BOLTS WITH A RUST RESISTANT LUBRICANT. 8. ALL BOLTS AND NUTS USED WITH PIPE SLEEVES SHALL BE BRUSH COATED HEAVILY AFTER FINAL TIGHTENING WITH BITUMASTIC COLD-APPLIED MATERIAL TO THOROUGHLY COVER ALL EXPOSED SURFACES OF BOLTS AND NUTS.
- VALVE BOXES
- 1. ACCEPTABLE MANUFACTURER'S: MUELLER, CLOW, OR EQUAL. CLOW F-2452 SLIDING TYPE, TWO PIECE, OR EQUAL.
- 5 ¼ INCH SHAFT. SIZE 664-A (40-60 INCH OVERALL LENGTH).
- 5. CAST IRON.
- 6. CLOW F-2490 LIDS OR EQUAL.
- THE WORD "WATER" TO BE CAST INTO TOP OF COVERS, AND ARROW SHOWING DIRECTION OF OPENING.
- CONCRETE 1. CONCRETE SHALL HAVE:
- MIN. COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS
- AIR ENTRAINMENT OF 4% TO 6% BY VOLUME. WATER CEMENT RATIO OF 0.49 LBS. WATER/CEMENT.
- SLUMP OF 2 TO 4 INCHES.
- CONCRETE SHALL NOT BE PLACED WHEN AMBIENT TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT OR MORE THAN 90 DEGREES FAHRENHEIT. CONCRETE SHALL NOT BE DROPPED MORE THAN SIX FEET INSIDE A FORM.
- MAINTAIN TEMPERATURE OF CONCRETE SURFACE AT MINIMUM 50 DEGREES FAHRENHEIT FOR 72 HOURS AFTER PLACING CONCRETE. PREHEAT ALL ENCLOSURES FOR A MINIMUM OF 2 HOURS TO PROVIDE A MIN. SURFACE TEMPERATURE OF 45 DEGREES FAHRENHEIT.
- ALLOW TO SET AND CURE ALL THRUST BLOCKS, CONCRETE SUPPORTS, AND ANCHORS A MINIMUM OF 24 HOURS BEFORE BACKFILLING.
- COMPLETELY CURE AND SET CONCRETE BEFORE ANY HYDROSTATIC OR LEAKAGE TESTING OF PIPELINE SYSTEMS.
- NONSHRINK GROUT SHALL BE HALCO TRADEMARK, AS MANUFACTURED BY LEHN & FINK INDUSTRIAL PRODUCTS. DO NOT PLACE ANY MORTAR OR GROUT WHEN AMBIENT TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT.
- MORTAR FOR MANHOLES SHALL CONSIST OF THE FOLLOWING:
- CEMENT-TYPE II, ASTM C150. HYDRATED LIME-TYPE N, ASTM C207.
- SAND- ASTM C 33, FINE AGGREGATES FOR CONCRETE.
- WATER-CLEAN, SUITABLE FOR DRINKING.
- 10. MIX(BY VOLUME): 1 PART CEMENT, ½ PART LIME, 4 ½ PARTS SAND. GENERAL
- 1. BEFORE ANY WATER LINE WORK IS COMMENCED BY THE CONTRACTOR, HE SHALL NOTIFY THE WATER 2. "AS BUILT" DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AT THE TIME OF COMPLETION OF THE SYSTEM.

·----

C

П (



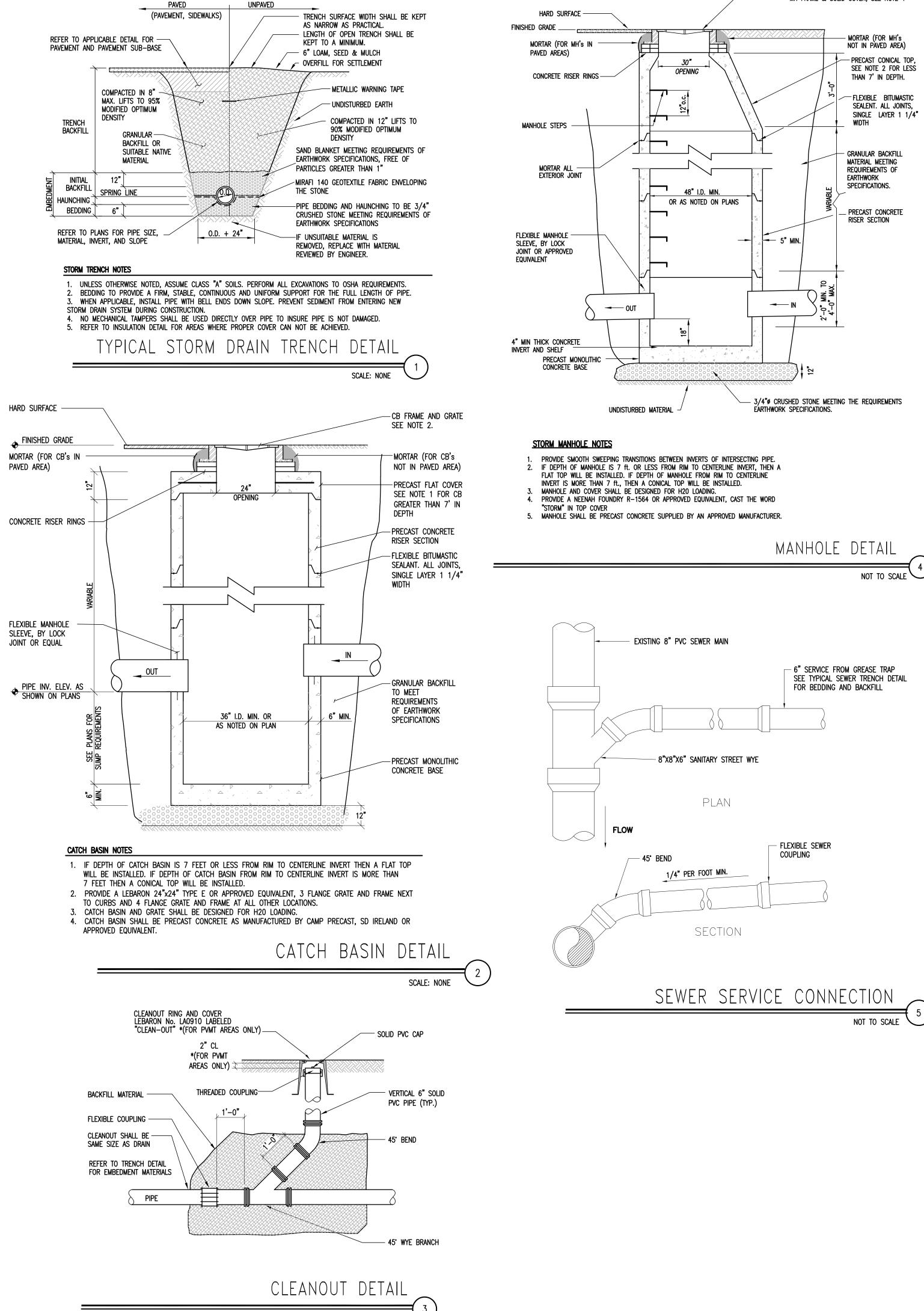




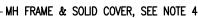
EV# 18219.00

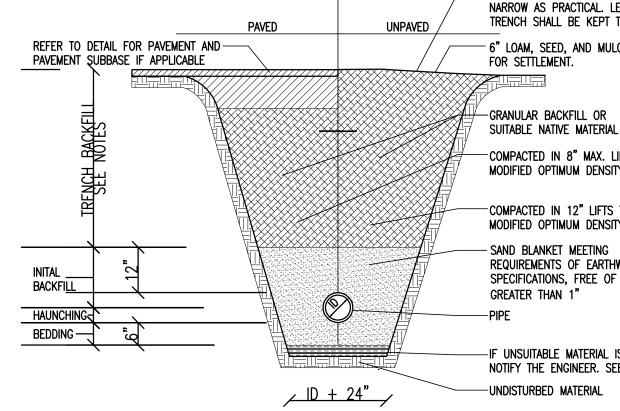
C2.0

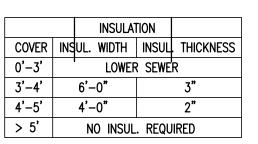




SCALE: NONE







TRENCH SURFACE WIDTH SHALL BE KEPT AS NARROW AS PRACTICAL. LENGTH OF OPEN TRENCH SHALL BE KEPT TO A MINIMUM. 6" LOAM, SEED, AND MULCH. OVERFILL FOR SETTLEMENT.

-GRANULAR BACKFILL OR

-COMPACTED IN 8" MAX. LIFTS TO 95% MODIFIED OPTIMUM DENSITY

COMPACTED IN 12" LIFTS TO 90%

MODIFIED OPTIMUM DENSITY SAND BLANKET MEETING REQUIREMENTS OF EARTHWORK SPECIFICATIONS, FREE OF PARTICLES GREATER THAN 1"

-IF UNSUITABLE MATERIAL IS ENCOUNTERED NOTIFY THE ENGINEER. SEE NOTES 5 AND 6. -UNDISTURBED MATERIAL

SANITARY SEWER TRENCH NOTES:

AND ON EACH SIDE OF ALL PIPES.

1. UNLESS OTHERWISE NOTED, ASSUME CLASS "C" SOILS. PERFORM ALL EXCAVATIONS TO OSHA REQUIREMENTS. 2. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR FULL LENGTH OF PIPE.

- 3. FOR BUILDING SEWERS THE MINIMUM DEPTH TO THE TOP OF THE PIPE SHALL BE 4'-O". WHERE BUILDING SEWERS ARE TO BE INSTALLED AT A DEPTH LESS THAN 3'-0" UNDER DRIVEWAYS, EXTRA HEAVY CAST IRON OR OTHER HIGH STRENGTH PIPE SHALL BE
- USED. OTHERWISE, REFER TO INSULATION OVER SHALLOW SEWER LINE DETAIL. 4. FOR SEWER COLLECTION SYSTEMS THE MINIMUM DEPTH TO THE TOP OF THE PIPE SHALL BE 6'-0". OTHERWISE, REFER TO

- INSULATION OVER SHALLOW SEWER LINE DETAIL.
- 5. BACKFILL SHALL BE OF A SUITABLE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. DEBRIS, FROZEN MATERIAL, LARGE CLODS OR STONES, ORGANIC MATTER, OR OTHER UNSTABLE MATERIALS SHALL NOT BE USED FOR BACKFILL WITHIN TWO FEET OF THE TOP OF THE PIPE 6. LEDGE, ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF FOUR INCHES BELOW

SANITARY SEWER TRENCH

SITE/EARTHWORK SPECIFICATIONS

1. PRIOR TO THE START OF THE WORK, A PRE-CONSTRUCTION MEETING WILL BE HELD WITH THE CONTRACTOR, OWNER, AND PROJECT ENGINEER TO REVIEW PROCEDURES, AND IDENTIFY RESPONSIBILITIES. UNLESS STATED OTHERWISE, ALL MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE NEW YORK STATE STANDARD SPECIFICATIONS.

2. CLEARING AND GRUBBING - ALL TOPSOIL AND UNSUITABLE MATERIALS SHALL BE REMOVED FROM IMPACTED AREAS.

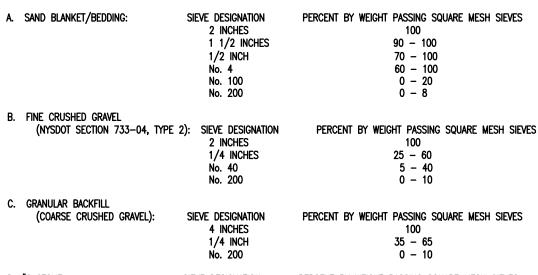
3. COMPACTION SHALL BE PERFORMED USING VIBRATORY ROLLERS AND WATER IN LIFTS OF NO GREATER THAN SIX INCHES. COMPACTION SHALL BE PERFORMED UNTIL THE REQUIRED DENSITY IS ACHIEVED. DENSITY SHALL BE DETERMINED BY AASHTO T238 METHOD AND SHALL NOT BE LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY FOR PAVED AREAS AND 90 PERCENT OF THE MAXIMUM DENSITY FOR NON PAVED AREAS DETERMINED IN ACCORDANCE WITH AASHTO T99.

. Compaction testing shall be performed for every layer of material placed and for every 1000 square fei 5. ALL REMAINING DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE FERTILIZED AND SEEDED IN ACCORDANCE WITH THE NEW YORK STATE SPECIFICATIONS.

6. THE SEEDING OF SLOPES OF 3:1 AND GREATER AND DITCHES SHALL REQUIRE THE USE OF EROSION CONTROL MATTING.

7. COST OF INITIAL INSPECTION AND TESTING SHALL BE PAID BY THE OWNER. SUBSEQUENT TESTING OF MATERIALS NOT PASSING INITIAL INSPECTION, SHALL BE PAID BY THE CONTRACTOR.

8. ALL EARTHWORK MATERIALS SHALL BE OBTAINED FROM APPROVED SOURCES. THEY SHALL CONSIST OF SATISFACTORILY GRADED, FREE DRAINING MATERIAL, REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIAL. EARTHWORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING TABLES:



D. #2 STONE: SIEVE DESIGNATION PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES $1 \frac{1}{2}$ INCHES 100 1 INCH 90 - 100 1/2 INCH 0 - 15

E. TOPSOIL:

GENERAL QUALIFICATIONS: COMPOSITION: USE AS A PLANTING MEDIUM FOR THE PROJECT. ONLY FERTILE, FRIABLE, WELL-DRAINED SOIL, OF UNIFORM QUALITY, FREE OF STONES OVER 1 IN. DIAMETER, STICKS, OILS, CHEMICALS, PLASTER, CONCRETE, PESTS AND INFESTATIONS AND OTHER DELETERIOUS MATERIALS. SUBMIT SOIL ANALYSIS FOR IMPORT TOPSOIL.

IMPORTED TOPSOIL: FURNISH IMPORTED TOPSOIL FROM SOURCES ACCEPTED BY THE LANDSCAPE ARCHITECT/ENGINEER WHICH MEETS THE STANDARDS SPECIFIED UNDER "GENERAL QUALIFICATIONS" ABOVE

VERIFICATION: QUANTITY OF TOPSOIL TO COMPLETE THE WORK SHALL BE CALCULATED BY THE CONTRACTOR AND INCLUDED IN THEIR BASE BID PRICE. ANALYSIS: OBTAIN AN AGRICULTURAL SUITABILITY ANALYSIS AND SOIL TEXTURE ANALYSIS OF THE PROPOSED TOPSOIL FROM AN ACCREDITED SOILS LABORATORY AT CONTRACTOR'S COST.

ACCEPTANCE: SUBMIT SOILS ANALYSIS AND RECOMMENDATIONS TO THE LANDSCAPE ARCHITECT/ENGINEER FOR ACCEPTANCE. AMEND TOPSOIL PER ACCEPTED SOILS ANALYSIS REPORT

SAMPLES: THE LANDSCAPE ARCHITECT/ENGINEER RESERVES THE RIGHT TO TAKE SAMPLES OF THE IMPORTED TOPSOIL DELIVERED TO THE SITE FOR CONFORMANCE TO THE SPECIFICATIONS.

REJECTED TOPSOIL: IMMEDIATELY REMOVE REJECTED TOPSOIL OFF THE SITE AT CONTRACTOR'S EXPENSE.

STOCKPILING: IF STOCKPILING IS REQUESTED, LOCATIONS AND AMOUNTS OF STOCKPILES WILL BE DESIGNATED BY LANDSCAPE ARCHITECT/ENGINEER.

A-01. BUILDING SEWERS

A. MATERIALS: THE BUILDING SEWER SHALL BE CONSTRUCTED IN A MANNER WHICH WILL PREVENT LEAKING, BREAKING OR CLOGGING. ACCEPTABLE MATERIALS FOR THE SEWER ARE RUBBER-RING-JOINTED PVC GRAVITY SEWER PIPE SDR35 ASTM D3034. B. SIZING AND SLOPE: MINIMUM BUILDING SEWER SIZE IS 4 INCHES (UNLESS SHOWN ON THE PLAN) AND A MINIMUM SLOPE IS 1/4 INCH PER FOOT. C. MANHOLES: BUILDING SEWERS DISCHARGING TO A COLLECTION SEWER SHALL BE CONNECTED THROUGH A MANHOLE OR WITH A WYE FITTING SO AS TO DIRECT FLOW AND MINIMIZE IN-LINE TURBULENCE. D. CLEANOUTS: CLEANOUTS SHALL BE PROVIDED AT EACH HORIZONTAL CHANGE IN DIRECTION OF THE BUILDING SEWER GREATER THAN 45 DEGREES, NOT GREATER THAN EVERY 100' AND WHERE INDICATED ON THE DESIGN DRAWINGS. BUILDING SEWER CHANGES IN DIRECTION WHICH EXCEED 45 DEGREES SHOULD BE MADE WITH TWO 45 DEGREE ELLS OR LONG SWEEP FITTINGS. MANHOLES ARE ACCEPTABLE IN LIEU OF CLEANOUTS. WHERE BUILDING SEWERS ARE TO BE INSTALLED AT A DEPTH OF LESS THAN 3 FEET UNDER DRIVEWAYS ARE ANTICIPATED, EXTRA HEAVY CAST IRON PIPE SHALL BE USED. E. LEAKAGE: BUILDING SEWERS SHALL MEET THE LEAKAGE STANDARDS PRESCRIBED IN THE STATE OF NEW YORK SPECIFICATIONS. SEE "A-02, J" BELOW FOR MORE DETAIL.

A-02. SEWER COLLECTION SYSTEMS:

A. A SEWER COLLECTION SYSTEM IS THAT SYSTEM OF SEWERS THAT TRANSPORT WASTEWATER FROM BUILDING SEWERS TO THE WASTEWATER TREATMENT/DISPOSAL SYSTEM.

B. NO CÓNNECTIONS OF ROOF DRAINS, AREA DRAINS, FOUNDATION DRAINS, CELLAR DRAINS OR OTHER CLEAN WATER SOURCES OR ANY STORM DRAINS WILL BE ALLOWED TO BUILDING OR COLLECTION SEWERS.

C. THE SIZE OF COLLECTION SEWERS SHALL BE AS SHOWN ON THESE DRAWINGS. D. DEPTH: SEWERS SHALL BE SUFFICIENTLY DEEP TO PREVENT FREEZING. RIGID FOAM INSULATION SHALL BE USED, WHERE INDICATED ON DRAWINGS. E. SLOPE, VELOCITY: ALL SEWERS SHALL BE INSTALLED WITH NOT LESS THAN THE SLOPES SHOWN BELOW:

<u>PIPE SIZE (INCHES)</u>	<u>SLOPE (FEET/100 FEET)</u>
6"	0.60
o"	0.40

F. CHANGES IN PIPE SIZE: WHEN A SMALLER SEWER JOINS A LARGE ONE, THE INVERT OF THE LARGER SEWER SHALL BE LOWERED SUFFICIENTLY TO MAINTAIN THE SAME ENERGY GRADIENT. G. MATERIAL: PVC SDR 35, ASTM D3034, WITH PUSH-ON GASKETED JOINTS. GASKETS SHALL CONFORM TO ASTM D3212. SEWER JOINTS SHALL BE CONSTRUCTED TO MINIMIZE INFILTRATION AND TO PREVENT THE ENTRANCE OF ROOTS INTO THE SYSTEM. H. TRENCHING: LEDGE, ROCK, BOULDERS AND LARGE STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF FOUR INCHES BELOW AND ON EACH SIDE OF ALL PIPES. BEDDING: SEE TRENCH DETAILS THIS DRAWING FOR MATERIALS. TRENCH BACKFILL SHALL BE OF A SUITABLE NATIVE MATERIAL FREE FROM DEBRIS, FROZEN MATERIAL. LARGE CLODS OR STONES. ORGANIC MATTER, OR OTHER UNSTABLE MATERIALS. J. LEAKAGE TESTS: UPON COMPLETION OF SEWER MAIN CONSTRUCTION, THE SEWER LINE SHALL BE TESTED IN ACCORDANCE WITH THE STATE OF NEW

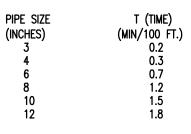
LEAKAGE TESTS FOR GRAVITY SEWERS

YORK SPECIFICATIONS.

PERFORM A PRESSURIZED AIR TEST ON THE GRAVITY LINE IN ACCORDANCE WITH THE LATEST VERSION OF DESIGN STANDARDS FOR WASTEWATER TREATMENT WORKS ON EACH SECTION OF THE GRAVITY SEWER. THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE BEFORE THE TEST IS CONDUCTED. TEST MUST BE WITNESSED BY THE ENGINEER.

PLUG ALL OPENINGS IN THE TEST SECTION. ADD AIR UNTIL THE INTERNAL PRESSURE OF THE LINE IS RAISED TO APPROXIMATELY 4.0 POUNDS/SQUARE INCH (PSI) GREATER THAN THE AVERAGE PRESSURE OF ANY GROUND WATER. AFTER THIS PRESSURE IS REACHED, ALLOW THE PRESSURE TO STABILIZE. THE PRESSURE WILL NORMALLY DROP AS THE AIR TEMPERATURE STABILIZES. THIS USUALLY TAKES 2 TO 5 MINUTES DEPENDING ON THE PIPE SIZE. THE PRESSURE MAY BE REDUCED TO 3.5 PSI BEFORE STARTING THE TEST.

START THE TEST WHEN THE PRESSURE HAS STABILIZED AND IS AT OR ABOVE THE STARTING TEST PRESSURE OF 3.5 PSI ABOVE THE PIPE. IF THE PRESSURE DROPS MORE THAN 1.0 PSI DURING THE TEST TIME, THE LINE IS PRESUMED TO HAVE FAILED THE TEST. IF A 1.0 PSI DROP DOES NOT OCCUR WITHIN THE TEST TIME, THE LINE HAS PASSED THE TEST. THE TEST TIME SHALL BE DERIVED FROM THE FOLLOWING TABLE. IF THE SECTION OF LINE TO BE TESTED INCLUDES MORE THAN ONE PIPE SIZE, CALCULATE THE TEST TIME FOR EACH SIZE AND ADD THE TEST TIMES TO ARRIVE AT THE TOTAL TEST TIME FOR THE SECTION.



K. INSTALLATION: PIPE SHALL BE LAID WITH BELL ENDS FACING UPGRADE AND LAYING SHALL START AT THE DOWNGRADE END. L. WATER LINE SEPARATION

a. HORIZONTAL SEPARATION: SEWERS SHALL BE LAID FLAT AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER LINE. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. WHERE IMPOSSIBLE OR IMPRACTICABLE, DUE TO LEDGE, BOULDERS OR OTHER UNUSUAL CONDITIONS, TO MAINTAIN THE TEN FOOT SEWER/WATER PIPE HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINES. THE WATER LINE MAY BE IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF IN THE SEWER TRENCH PROVIDED THAT THE BOTTOM OF THE WATER LINE IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER. WHEREVER IMPOSSIBLE OR IMPRACTICAL TO MAINTAIN THE 18 INCH VERTICAL SEPARATION, THE SEWER LINE SHALL BE CONSTRUCTED TO NORMAL WATER LINE STANDARDS AND PRESSURE TESTED TO 50 PSI FOR 15 MINUTE PRIOR TO BACKFILLING. NO LEAKAGE SHALL BE ALLOWED FOR THIS TEST

b. CROSSINGS: SEWERS CROSSING WATER MAINS SHALL BE LAID BENEATH THE WATER MAIN WITH AT LEAST 18 INCHES VERTICAL CLEARANCE BETWEEN THE OUTSIDE OF THE SEWER AND THE OUTSIDE OF THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO MAINTAIN THE 18 INCH VERTICAL SEPARATION; I. THE CROSSING SHALL BE ARRANGED SO THAT ONE FULL LENGTH OF SEWER IS CENTERED ABOVE OR BELOW THE WATER LINE WITH

sewer joints as far away as possible from water joints. THE SEWER PIPE MUST BE CONSTRUCTED TO WATER MAIN STANDARDS FOR A MINIMUM DISTANCE OF 20 FEET EITHER SIDE OF THE CROSSING OR A TOTAL OF THREE PIPE LENGTHS, WHICHEVER IS GREATER; 3. THE SECTION CONSTRUCTED TO WATER MAIN STANDARDS MUST BE PRESSURE TESTED TO MAINTAIN 50 PSI FOR 15 MINUTES WITHOUT

leakage prior to backfilling beyond one foot above the pipe to assure water tightness; 4. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN.

A-03. MANHOLES

A. DIAMETER: THE MINIMUM DIAMETER OF MANHOLES SHALL BE 48 INCHES; LARGE DIAMETERS ARE PREFERRED FOR CONNECTION TO LARGE DIAMETER SEWERS. A MINIMUM ACCESS DIAMETER OF 24 INCHES SHALL BE PROVIDED. B. FLOW CHANNEL: FLOW CHANNELS SHALL BE PROVIDED IN THE BASE OF ALL MANHOLES AND THE FLOW CHANNEL THROUGH MANHOLES SHOULD BE MADE TO CONFORM IN SHAPE AND SLOPE TO THAT OF THE SEWERS.

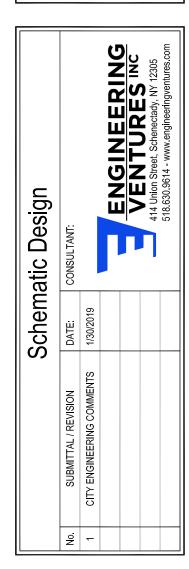
C. MANHOLES SHALL BE OF THE PRE-CAST CONCRETE OR POUR-IN PLACE CONCRETE TYPE. MANHOLES SHALL BE WATERPROOFED ON THE EXTERIOR. D. INLET AND OUTLET PIPES SHALL BE JOINED TO THE MANHOLE WITH A RUBBER-GASKETED FLEXIBLE WATERTIGHT CONNECTION THAT ALLOWS DIFFERENTIAL SETTLEMENT OF THE PIPE AND MANHOLE WALL TO TAKE PLACE. E. ALL MANHOLES SHALL BE TESTED FOR LEAKAGE, LEAKAGE TESTING OF GRAVITY SEWERS UTILIZING THE WATER TESTING PROCEDURES TAKES INTO

ACCOUNT THE LEAKAGE FROM ONE MANHOLE IN THE TEST SECTION. OTHERWISE, MANHOLES SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE FOLLOWING PROCEDURE: AFTER THE MANHOLE HAS BEEN ASSEMBLED IN PLACE, ALL LIFTING HOLES AND EXTERIOR JOINTS SHALL BE FILLED WITH AND POINTED WITH AN

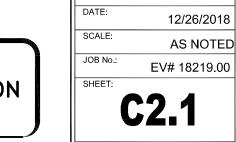
APPROVED NON-SHRINKING MORTAR. ALL PIPES AND OTHER OPENINGS INTO THE MANHOLE SHALL BE SUITABLY PLUGGED AND THE PLUGS PLACED TO PREVENT BLOWOUT.

EACH MANHOLE SHALL BE CHECKED FOR INFILTRATION BY FILLING WITH WATER TO THE TOP OF THE CONE SECTION. A STABILIZATION PERIOD OF ONE HOUR SHALL BE PROVIDED TO ALLOW FOR ABSORPTION. AT THE END OF THIS PERIOD, THE MANHOLE SHALL BE REFILLED TO THE TOP OF THE CONE. IF NECESSARY. AND THE MEASURING TIME OF AT LEAST SIX HOURS BEGUN. AT THE END OF THE TEST PERIOD, THE MANHOLE SHALL BEREFILLED TO THE TOP OF THE CONE MEASURING THE VOLUME OF WATER ADDED. THIS AMOUNT SHALL BE CONVERTED TO A 24 HOUR RATE AND THE LEAKAGE DETERMINED ON THE BASIS OF DEPTH. THE LEAKAGE FOR EACH MANHOLE SHALL NOT EXCEED ONE GALLON PER VERTICAL FOOT FOR A 24 HOUR PERIOD FOR EXFILTRATION AND THERE SHALL BE NO VISIBLE INFILTRATION.

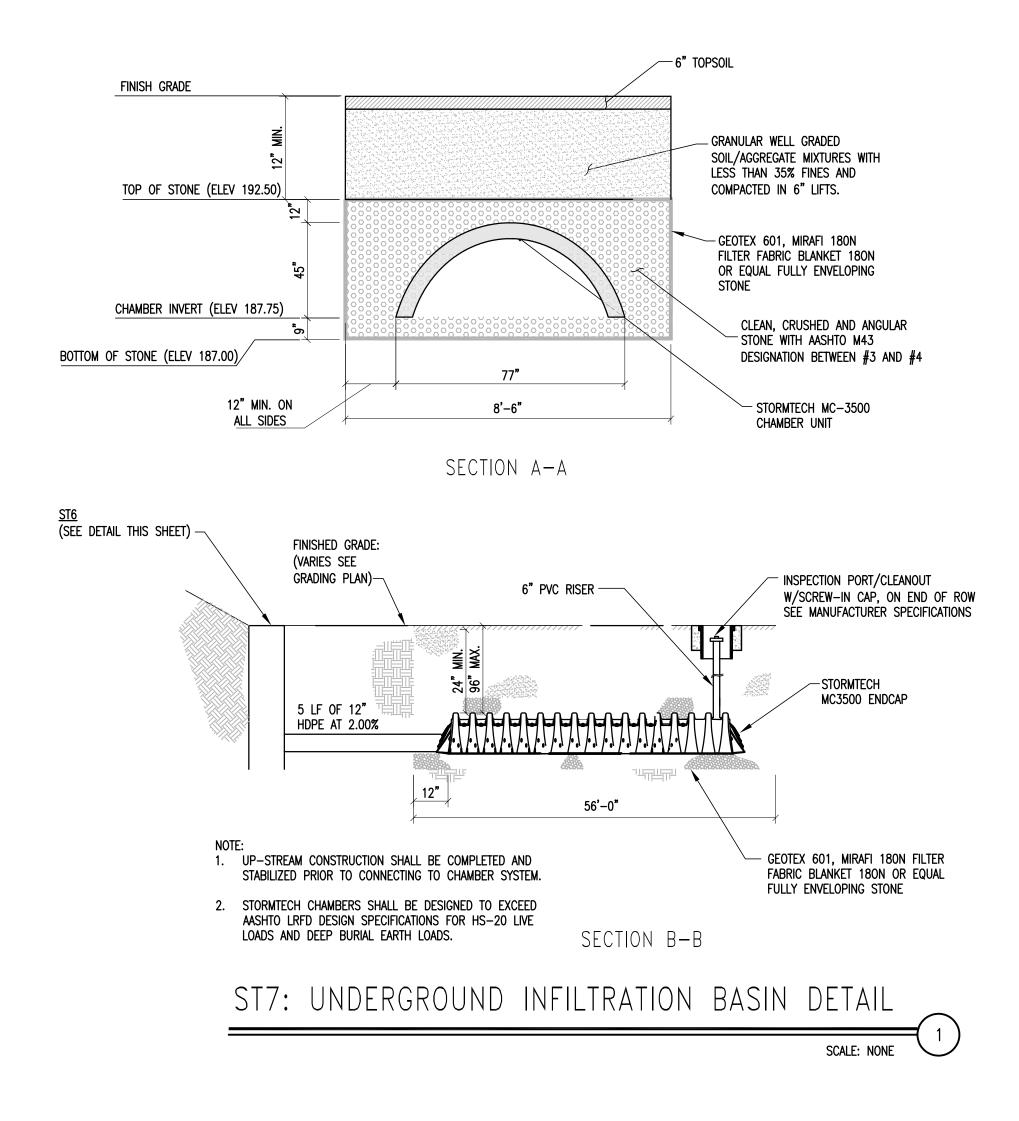


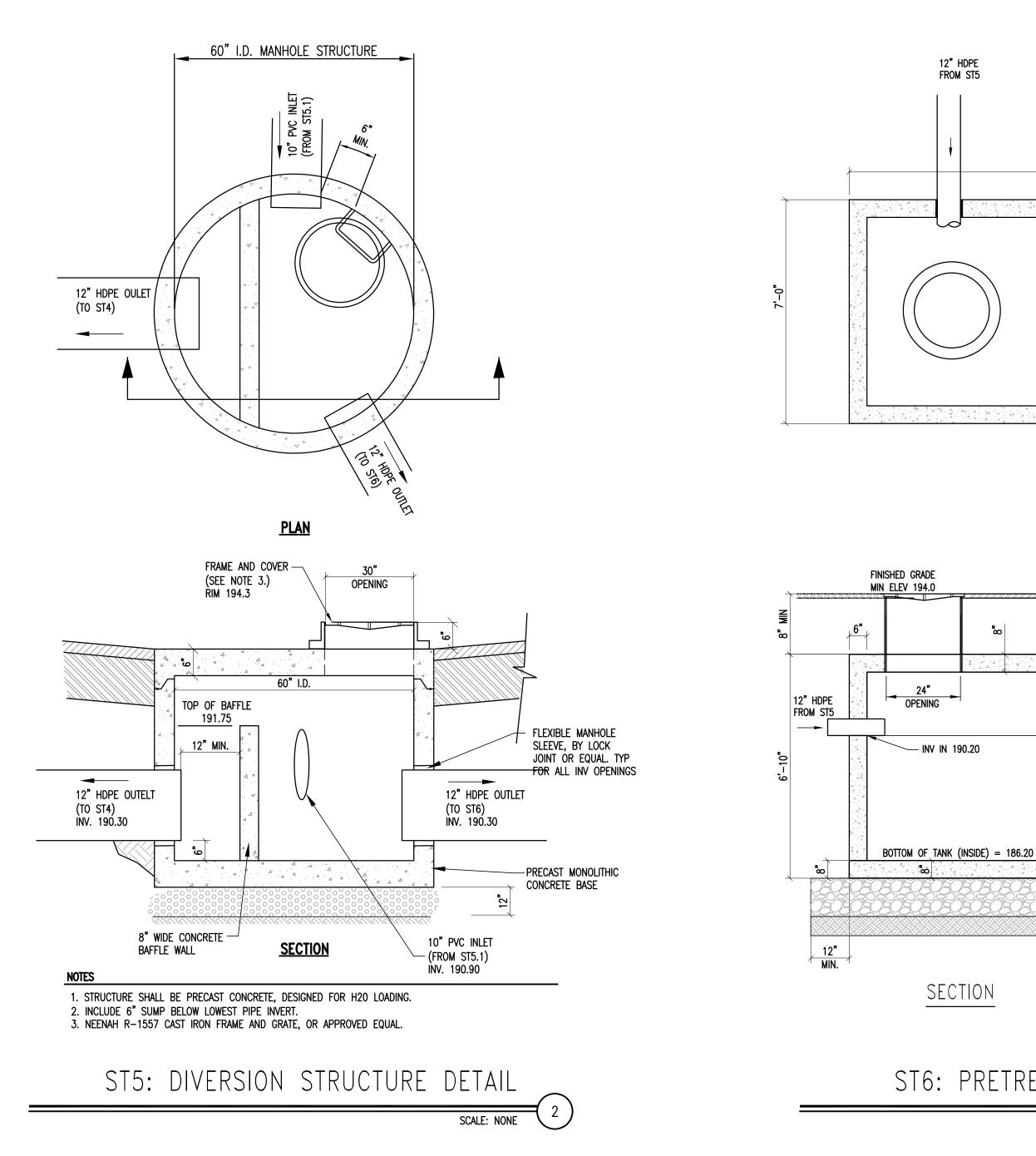


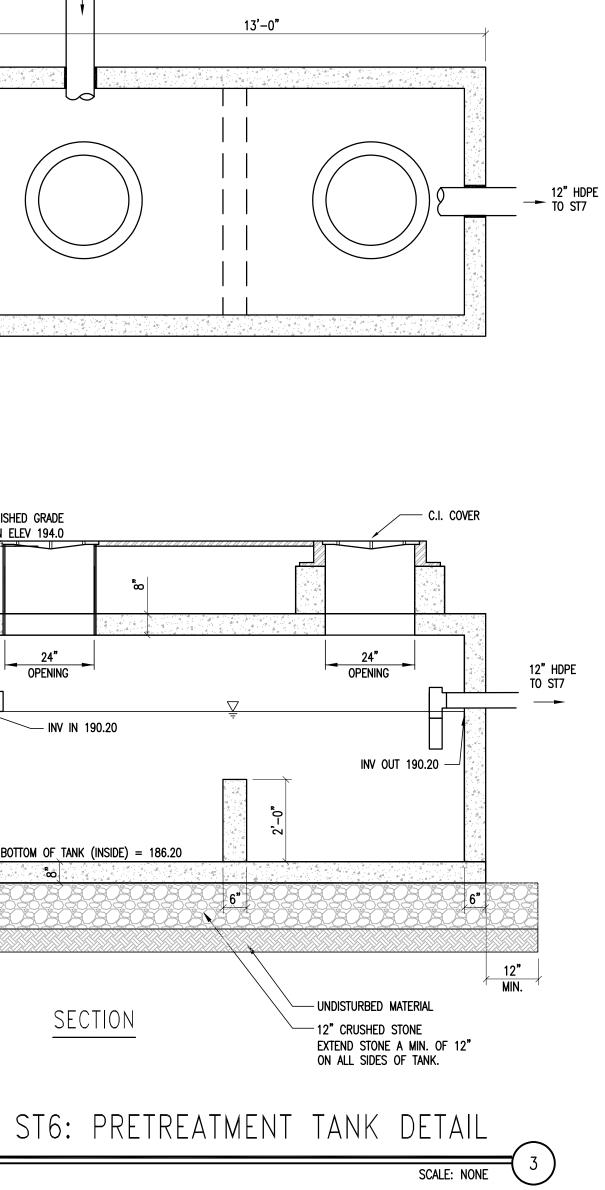




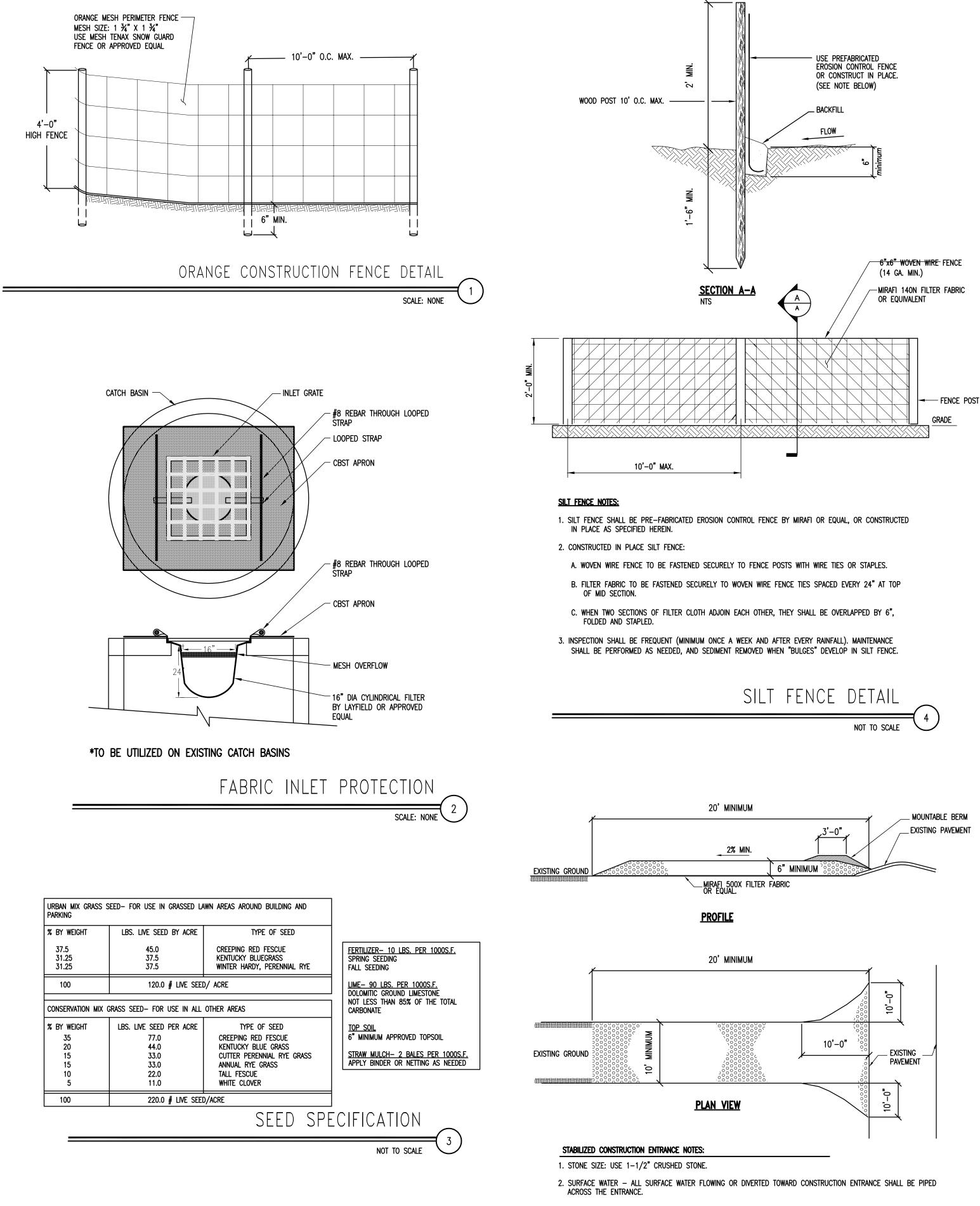
FOR REVIEW ONLY NOT FOR CONSTRUCTION JANUARY 30, 2019







	340 BROADWAY SCHENECTADY, NY 12305 518:320:8250
	DE NEW LORA LICENSES ARDESSIONAL
	No. Schematic Design No. Submittal. Revision No. Submittal. Revision Inc. Consultant: Inc. <
	Stert TILE STORMWATER DETAILS (2 OF 2) Store Sche PROJECT: New Construction For: New Construc
FOR REVIEW ONLY NOT FOR CONSTRUCTION JANUARY 30, 2019	DRAWN BY: MHD DATE: 12/26/2018 SCALE: AS NOTED JOB No.: EV# 18219.00 SHEET: C212



- 3. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
- 4. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN. 5. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT

TRAPPING DEVICE.

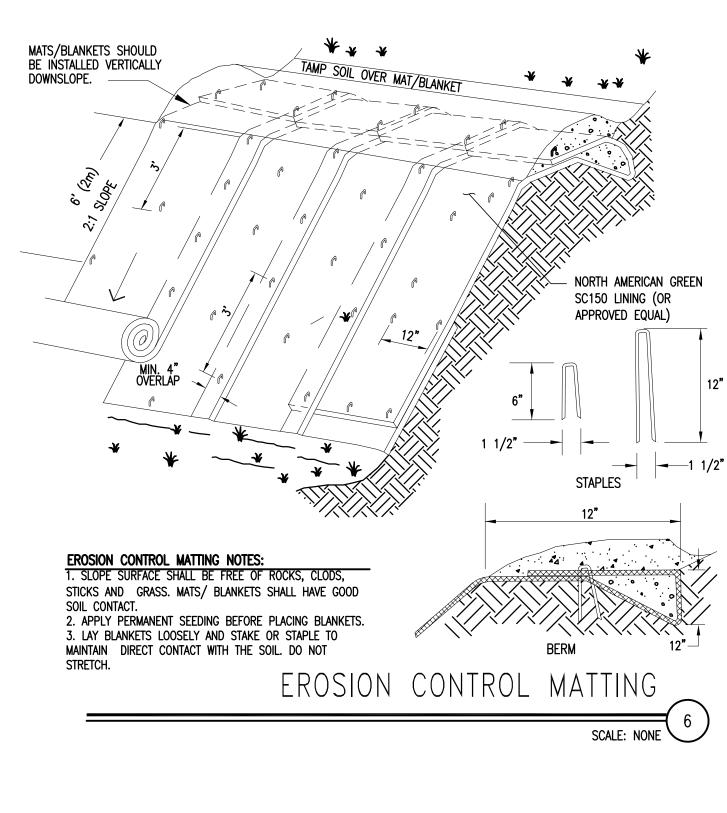


CONSTRUCTION SEQUENCING

****THIS SEQUENCE SHOWN IS FOR PERMITTING PURPOSES ONLY AND SHALL ONLY BE USED AS** A GENERAL GUIDELINE FOR CONSTRUCTION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A DETAILED CONSTRUCTION SEQUENCE DETAILING THE WORK THAT WILL BE PERFORMED.

CONTRACTOR TO ENSURE THAT NO MORE THAN 5 ACRES IS DISTURBED AT ANY ONE TIME WITHOUT AREAS BEING FULLY STABILIZED.

- 1. OBTAIN ALL NECESSARY APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCIES INCLUDING THE NYSDEC AND THE CITY OF ALBANY.
- 2. HOLD PRE-CONSTRUCTION MEETING WITH ALL NECESSARY PARTICIPANTS AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.
- 3. INSTALL STABILIZED CONSTRUCTION ENTRANCE. MARK LIMITS OF DISTURBANCE WITH FLAGGING/TAPING OR APPROPRIATE MEASURES. INSTALL SILT FENCING DOWNSLOPE OF WORK AREAS AS SHOWN ON THE PLAN. INSTALL ORANGE CONSTRUCTION FENCING/TREE PROTECTION FENCING IN THE AREAS SHOWN.
- 4. CLEAR AND GRUBB EXISTING TREES TO LIMITS SHOWN ON THE PLAN. REMOVED EXISTING STRUCTURES AND PAVEMENT AS SHOWN ON THE PLAN. STRIP TOPSOIL IN AREAS SHOWN TO BE DISTURBED AND PLACE IN STOCKPILE ARFA.
- 5. ROUGH GRADE AREAS AS NECESSARY. SPECIAL CARE SHALL BE TAKEN COMPACTION TO THE SUBSURFACE INFILTRATION BASIN AREA. DURING EARTH MOVING ACTIVITIES.
- 6. CONSTRUCT ALL WATER AND SEWER SERVICES.
- 7. INSTALL ALL STORM SEWER UTILITIES INCLUDING INFILTRATION BASIN. SEDIMENT SHALL BE PREVENTED FROM ENTERING THE INFILTRATION BASIN. PROVIDE INLET PROTECTION ON ALL PROPOSED CATCH BASINS.
- 8. INSTALL REMAINING UNDERGROUND UTILITIES.
- 9. BEGIN CONSTRUCTION OF BUILDING AND CONTINUE UNTIL COMPLETION.
- 10. FINAL GRADE OTHER LAWN/PAVEMENT AREAS. INSTALL PAVEMENT BASE AND SUBBASE COURSES.
- 11. INSTALL SIDEWALK AND LANDSCAPING IN FRONT OF BUILDING.
- 12. ONCE ALL DISTURBED AREAS HAVE ACHIEVED FINAL STABILIZATION, THE REMAINING EROSION CONTROL FEATURES SHALL BE REMOVED. STABILIZE ANY AREAS DISTURBED DURING THE REMOVAL OF TEMPORARY E&S MEASURES. INSTALL PERMANENT SEED AND MULCH ON ANY AREAS NOT ALREADY STABILIZED.



-SEED AND FERTILIZER (SEE NOTE) -6" TOPSOIL -MULCH, HAY OR STRAW SAND/GRAVEL AS NEEDED

NOTES FOR SEEDED AND MULCHED AREAS

1. MULCH: HAY OR STRAW MAY BE UTILIZED AND SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE.

2. SEED: SHALL BE OF THE FOLLOWING MIXTURE

KENTUCKY BLUE GRASS20 POUNDS / ACRE	
CREEPING RED FESCUE20 POUNDS / ACRE	
RYE GRASS5 POUNDS / ACRE	

- 3. COVER SEED WITH $\frac{1}{4}$ INCH SOIL UNLESS A HYDROSEEDER IS USED.
- 4. MULCH ANCHORING: SHALL BE ACCOMPLISHED BY DEGRADABLE MULCH NETTING. USE WHEN SLOPES ARE GREATER THAN 10%.
- 5. TOPSOIL AND MULCHING NOT TO BE APPLIED IN AREAS OF TRAVEL WAYS.
- 6. SEEDING AND MULCHING OF DISTURBED AREAS SHALL TAKE PLACE WITHIN 48 HOURS OF FINAL GRADING.

SEEDED AND MULCHED AREAS DETAIL

EROSION CONTROL NOTES

GENERAL NOTES

- 1. THE "ON-SITE EROSION CONTROL PLAN COORDINATOR" SHALL BE PRESENT ON-SITE FROM DAY-TO-DAY, AND SHALL BE RESPONSIBLE FOR ENSURING THAT THE EROSION CONTROL MEASURES REQUIRED BY THE EROSION CONTROL PLAN, DETAILS AND NOTES, ARE PROPERLY INSTALLED AND MAINTAINED. THE ONSITE EROSION CONTROL PLAN COORDINATOR SHALL KEEP A WRITTEN RECORD OF INSPECTIONS AND MAINTENANCE OF EROSION CONTROL FEATURES. A COPY OF THESE PLANS AND INSPECTION/MAINTENANCE RECORDS SHALL BE KEPT ONSITE AT ALL TIMES.
- 2. EROSION CONTROL MEASURES SHALL BE CONDUCTED IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS", DATED AUGUST 5, 2005, OR LATEST EDITION.
- 3. DISTURBANCE LIMITS ARE TO BE MARKED, AND THE FOLLOWING MANAGEMENT PRACTICES INSTALLED, PRIOR TO BEGINNING EARTH WORK IN ANY GIVEN AREA; SILT FENCE, CONSTRUCTION ENTRANCE AND TREE PROTECTION FENCING.
- 4. THE PERIOD BETWEEN OCTOBER 15TH AND APRIL 15TH IS CONSIDERED THE 'WINTER CONSTRUCTION PERIOD'. A PLAN FOR WINTER CONSTRUCTION MUST BE DEVELOPED BY THE CONTRACTOR, AND SUBMITTED TO THE ENGINEER AT LEAST 30 DAYS IN ADVANCE OF PROPOSED EARTH DISTURBANCE DURING THIS PERIOD.
- 5. ALL DISTURBED AREAS ARE TO BE STABILIZED (TEMPORARY OR FINAL) WITHIN 7 DAYS OF INITIAL DISTURBANCE, AFTER THIS TIME, ANY DISTURBANCE WITHIN THIS WORK AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY, WITH THE FOLLOWING EXCEPTIONS: a. Stabilization is not required if work is to continue in the area within 24 hours and no precipitation is
- FORECAST DURING THAT PERIOD. b. WORK IS OCCURRING WITHIN A SELF-CONTAINED EXCAVATION, 2 FEET OR MORE IN DEPTH. IN NO CASE SHALL SOIL BE EXPOSED FOR MORE THAN 14 DAYS WITHOUT BEING STABILIZED.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTION OF THE ADJACENT ROADWAYS FOR OFF-SITE TRACKING OF SOIL MATERIALS. SOIL, STONE, AND DEBRIS FOUND LEAVING THE SITE ARE TO BE REMOVED (WHEN FOUND) BY SWEEPING AT THE END OF EACH CONSTRUCTION DAY, OR MORE FREQUENTLY WHEN NEEDED TO PREVENT IMPACTS TO ADJACENT ROADS AND SIDEWALKS.
- 7. IF DEWATERING IS REQUIRED FOR CONSTRUCTION, THE CONTRACTOR MUST UTILIZE SEDIMENT FILTER BAGS (OR ALTERNATE APPROVED BY THE ENGINEER) TO PREVENT DISCHARGE OF SEDIMENT-LADEN WATER OFF SITE.
- TEMPORARY/CONSTRUCTION EROSION CONTROL MEASURES
- 1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE DISTURBED AT ANY ONE TIME DURING DEVELOPMENT. WHEN LAND IS DISTURBED, THE DISTURBANCE SHALL BE KEPT TO THE SHORTEST PRACTICAL DURATION AS APPROVED BY THE ENGINEER.
- 2. DUST SHALL BE CONTROLLED WITH WATER DISTRIBUTED BY A TRUCK-MOUNTED SPRAY BAR. CALCIUM CHLORIDE (AASHTO M 144) OR SODIUM CHLORIDE (AASHTO M 143) SHALL BE USED AS DIRECTED BY THE ENGINEER.
- 3. SILT FENCES SHALL BE INSTALLED GENERALLY 10 FEET FROM THE BASE OF THE FILL SLOPES, OR AS SHOWN ON THE PLANS. THESE SHALL REMAIN IN PLACE UNTIL THE PROJECT SITE HAS BEEN STABILIZED. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES 6 INCHES DEEP AT THE FENCE. THE SILT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A PROPER SEDIMENT BARRIER.
- 4. EXCAVATED MATERIAL FROM EARTH EXCAVATION AND DITCH DIGGING SHALL BE PLACED ONSITE IN A LOCATION TO BE APPROVED OF BY THE OWNER AND/OR THE ENGINEER OR USED FOR PROJECT FILL MATERIAL IF DETERMINED SUITABLE BY THE OWNER'S REPRESENTATIVE
- STOCKPILED MATERIAL (TOPSOIL, BORROW, ETC.) SHALL HAVE SILT FENCE CONSTRUCTED AROUND THE PERIMETER. THE STOCKPILED MATERIAL SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE TO PREVENT SOIL EROSION AND SEDIMENTATION OFF SITE. LOCATE STOCKPILES ON THE UPHILL SIDE OF DISTURBED AREAS, IF POSSIBLE. DURING WINDY CONDITIONS, STOCKPILED MATERIAL SHALL BE COVERED OR WATERED APPROPRIATELY TO PREVENT WIND EROSION.
- 6. SLOPES GREATER THAN 3:1 SHALL HAVE EROSION CONTROL NETTING INSTALLED TO STABILIZE THE SLOPE AND REDUCE THE EROSION POTENTIAL. NETTING SHALL BE BIODEGRADABLE WITH A 12 MONTH LONGEVITY, S150BN AS MANUFACTURED OR APPROVED EQUIVALENT. INSTALL NETTING OVER MULCHED SLOPES SO THAT ALL PARTS ARE IN CONTACT WITH THE SOIL AND MULCH. PIN NETTING WITH WIRE STAPLES 3 FEET O.C. TO ENSURE FULL BONDING WITH SOIL SURFACE. THE SLOPE SURFACES SHOULD BE LEFT SLIGHTLY ROUGHENED AND NOT SMOOTH. IF LARGE AMOUNTS OF OFFSITE WATER WILL DRAIN OVER THESE SLOPES, TEMPORARY DIVERSION SWALES SHALL BE INSTALLED UP SLOPE UNTIL THE SLOPE VEGETATION STABILIZES.

PERMANENT EROSION CONTROL MEASURES

- 1. WHEN FINAL GRADES ARE REACHED IN AN AREA, IT SHALL BE SEEDED AND MULCHED WITHIN 48 HOURS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF ALL DISTURBED AREAS, INCLUDING WATERING UNTIL THE AREA IS INSPECTED AND ACCEPTED BY THE OWNER OR ENGINEER.
- 3. AFTER THE SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES AND INSTALL PERMANENT VEGETATION ON THE DISTURBED
- 4. RE-SEEDING SHALL BE DONE UNTIL ALL AREAS ARE COMPLETELY COVERED WITH A MATURE STRAND OF GRASS. AN AREA SHALL BE CONSIDERED COVERED WHEN THE ENTIRE SURFACE CONTAINS A VERDUROUS STAND OF GRASS. AREAS THAT, IN THE OPINION OF THE ENGINEER, ARE PREDOMINATELY WEEDS SHALL BE PLOWED UP, FINE GRADED, FERTILIZED AND RE-SEEDED IN THE MANNER SPECIFIED PREVIOUSLY, EXERCISING CAUTION NOT TO CAUSE DAMAGE TO NEW OR EXISTING PLANT MATERIAL.
- 5. ALL STABILIZATION INVOLVING SEEDING IS TO BE COMPLETED BY SEPTEMBER 15TH.

WINTER EROSION CONTROL NOTES

WINTER CONSTRUCTION PROCEDURES

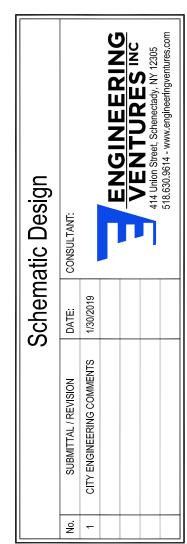
- DURING WINTER CONSTRUCTION, INSPECTIONS BY THE ON-SITE PLAN COORDINATOR SHALL OCCUR DAILY WHEN AREAS ARE UN-STABLE, AND WEEKLY PRIOR TO ANY FORECASTED RAIN, THAW OR SPRING MELT WHEN TEMPORARY STABILIZATION IS IN PLACE.
- 2. IN AREAS TO BE STABILIZED BY VEGETATION, ALL SEEDING MUST BE COMPLETED BY SEPTEMBER 15 TO ALLOW GROWTH TO OCCUR PRIOR TO THE GROUND FREEZING. STABILIZATION OF ALL OTHER DISTURBED AREAS SHALL BE COMPLETED BY OCTOBER 15.
- 3. ENLARGED ACCESS POINTS, STABILIZED TO PROVIDE FOR SNOW STOCKPILING SHALL BE INSTALLED.
- 4. LIMITS OF DISTURBANCE SHALL BE MOVED OR REPLACED TO REFLECT BOUNDARY OF WINTER WORK.
- 5. SNOW WILL NOT BE PILED WITHIN 25 FEET OF PERIMETER CONTROLS (SUCH AS SILT FENCE) TO ALLOW FOR CLEARING AND MAINTENANCE. SNOW IS TO BE REMOVED FROM ALL STRUCTURAL EROSION PREVENTION AND SEDIMENTATION CONTROL MEASURES FOLLOWING EACH SIGNIFICANT SNOWFALL. NO SNOW STORAGE UP-GRADIENT OF DISTURBANCE. NO SNOW DISPOSAL IN SEDIMENT PONDS/BASINS. IF NECESSARY, SNOW/ICE MUST BE REMOVED PRIOR TO STABILIZATION OF DISTURBED AREAS. ACCESS POINTS SHALL BE ENLARGED AND STABILIZED TO ALLOW FOR SNOW STOCKPILING.
- 6. IN AREAS OF DISTURBANCE WITHIN 100 FT OF A RECEIVING WATER, SILT FENCE SHALL BE REINFORCED OR ELSE REPLACED WITH PERIMETER DIKES, SWALES OR OTHER PRACTICES RESISTANT TO THE FORCES OF SNOW LOADS.
- 7. DRAINAGE STRUCTURES SHALL BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS.
- 8. ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TO BE IN PLACE BY OCTOBER 15, OR IF NOT POSSIBLE, THEN PRIOR TO GROUND FREEZE.
- MULCH IS TO BE APPLIED AT THE END OF EACH WORKDAY TO ALL EXPOSED AREAS THAT HAVE NOT YET REACHED FINAL GRADE AT TWICE THE RATE INDICATED IN THE SEEDING AND MULCHING DETAIL FOR THE REGULAR CONSTRUCTION SEASON. MULCH SHALL BE TRACKED IN OR STABILIZED WITH NETTING.
- 10. TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A MELT EVENT, AREAS OF DISTURBED SOIL MUST BE STABILIZED AT THE END OF EACH WORK DAY, WITH THE FOLLOWING EXCEPTIONS: A) IF NO PRECIPITATION WITHIN 24 HOURS IS FORECAST AND WORK WILL RESUME IN THE SAME DISTURBED AREA WITHIN 24 HOURS, DAILY STABILIZATION IS NOT NECESSARY. B) DISTURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS HOUSE FOUNDATIONS OR OPEN UTILITY TRENCHES.
- 11. SNOW AND ICE SHALL BE REMOVED TO LESS THAN 1" THICKNESS PRIOR TO STABILIZATION.
- 12. STONE STABILIZATION, 10 TO 20 FT WIDE IN AREAS SUCH AS THE PERIMETER OF BUILDINGS UNDER CONSTRUCTION WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED SHALL BE INSTALLED.

FOR REVIEW ONLY NOT FOR CONSTRUCTION

JANUARY 30, 2019

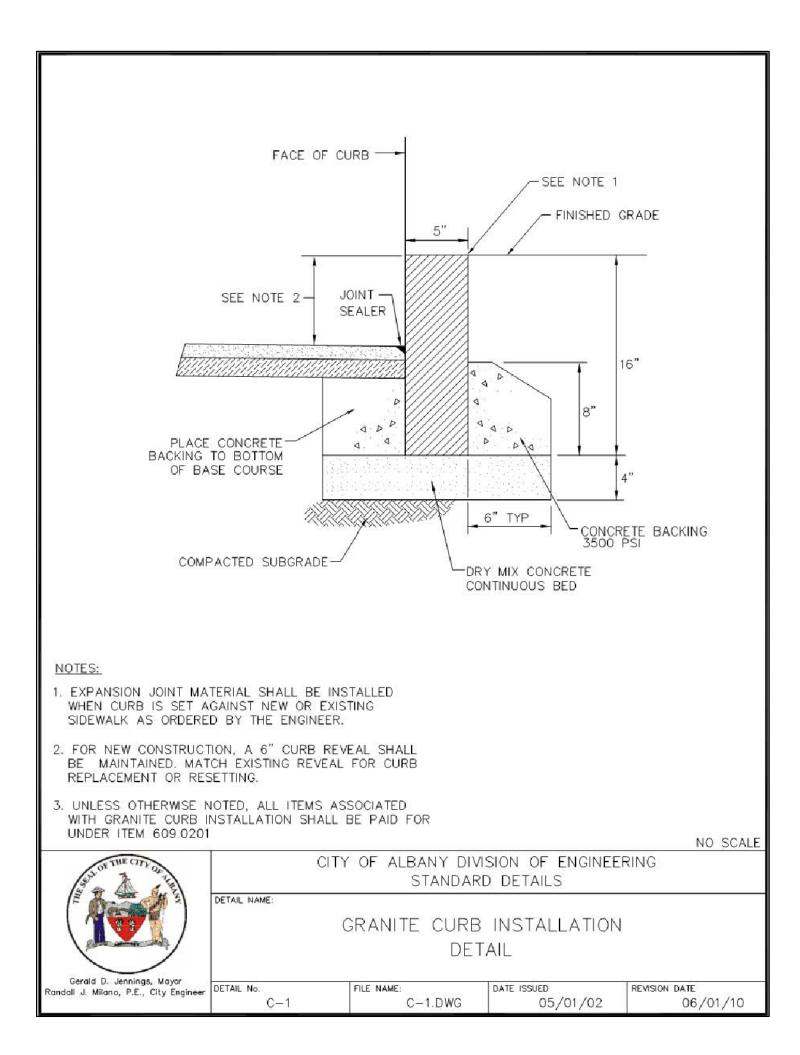


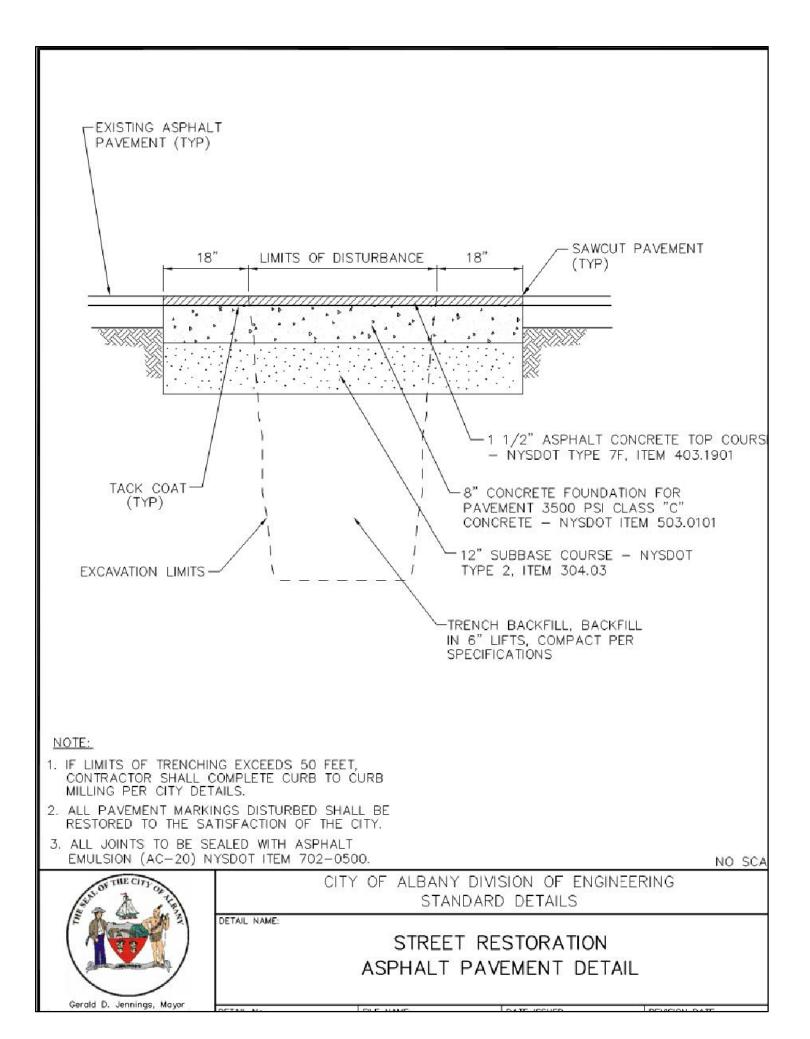




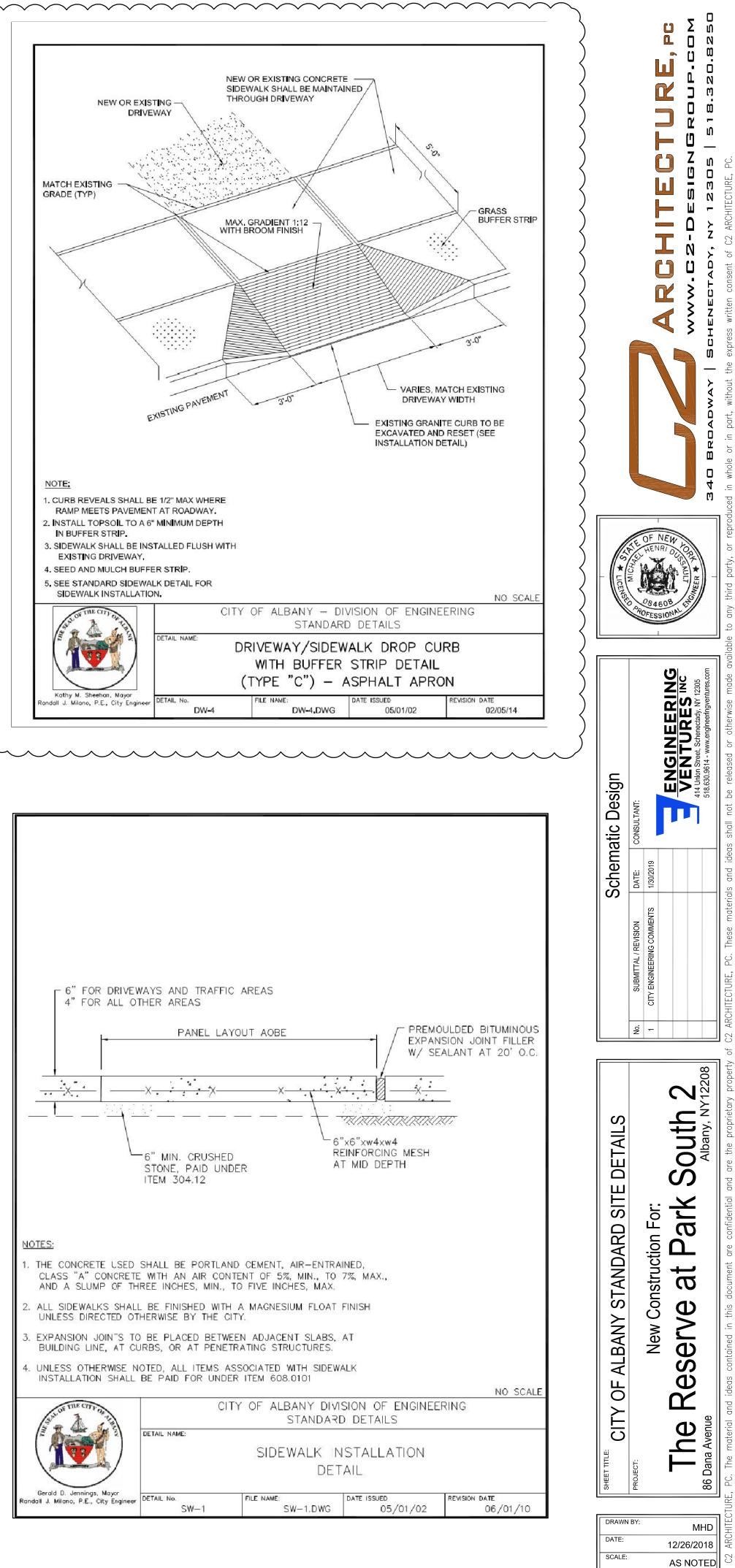


		. /
DRAWN BY:	MHD	
DATE:	12/26/2018	
SCALE:	AS NOTED	Ċ
JOB No.:	EV# 18219.00	
SHEET:		
C	2.3	









JOB No.:

EV# 18219.00

C2.4