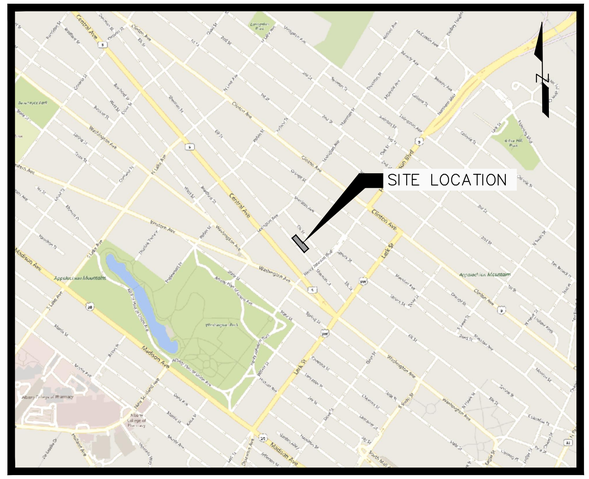
LEGAL AID SOCIETY PARKING EXPANSION

CITY OF ALBANY * ALBANY COUNTY * NEW YORK

GENERAL NOTES:

1. ENGINEERING DRAWINGS BASED ON A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY GILBERT VANGUILDER LAND SURVEYOR, PLLC.
2. ALL TRAFFIC SIGNAGE FOR THE PROPOSED DEVELOPMENT SHALL CONFORM TO THE CURRENT VERSIONS OF THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE NEW YORK STATE SUPPLEMENTAL.
3. ALL RIP-RAP STRUCTURES SHOWN SHALL BE CONSTRUCTED OF D STONE FILLING (UNLESS NOTED OTHERWISE).
4. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR URBAN EROSION AND SEDIMENT CONTROL AND IMPLEMENTED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN.
5. ALL DISTURBED AREAS TO RECEIVE TOPSOIL, SEED, FERTILIZER AND MULCH TO ESTABLISH A PERMANENT STAND OF GRASS.
6. SIZE AND LOCATION OF UNDERGROUND UTILITIES ARE SUBJECT TO VERIFICATION BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS.
7. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY DIG SAFELY N.Y. OR 811 FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO THE START OF EXCAVATION.
8. ALL KNOWN UTILITIES THAT EXIST ON OR ADJACENT TO THE PROJECT SITE HAVE BEEN SHOWN ON THE PLANS.
9. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT AND PRESERVE EXISTING UTILITIES.
10. ALL UTILITIES DAMAGED OR DISTURBED BY THE WORK OF THIS CONTRACT SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
11. CONTRACTOR SHALL OBTAIN THE REQUIRED PERMITS FOR WORK WITHIN PUBLIC RIGHTS-OF-WAY AS REQUIRED BY THE MUNICIPALITY AND ALL PERMITS REQUIRED FOR UTILITY WORK ON-SITE FROM THE CITY.
12. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK ON-SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
13. THERE SHALL BE NO CHANGES ON THESE PLANS IN ADVANCE OF, OR CONSTRUCTION WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER, THE OWNER AND THE MUNICIPALITY.
14. ALL CONSTRUCTION SHALL CONFORM TO GENERALLY ACCEPTED CONSTRUCTION STANDARDS OR A.O.B.E.
15. THE CONTRACTOR SHALL COMPLY WITH CONSTRUCTION INSPECTION REQUIREMENTS OF ALL AGENCIES, AND PHASE WORK ACCORDINGLY.
16. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
17. FIELD ADJUSTMENT MUST BE REVIEWED BY A REPRESENTATIVE OF LANSING ENGINEERING PRIOR TO INSTALLATION.
18. PROTECT NEWLY GRADED WORK AREAS FROM TRAFFIC AND EROSION, AND KEEP THEM FREE FROM TRASH AND DEBRIS UNTIL PHYSICAL COMPLETION OF WORK.
19. CONTRACTORS OPERATIONS ON SITE WHICH SHALL INCLUDE BUT NOT BE LIMITED TO DUST CONTROL, MATERIAL HAULING, FIRE PROTECTION, EROSION CONTROL, ETC. SHALL BE CONDUCTED IN ACCORDANCE WITH CITY OF ALBANY REQUIREMENTS.
20. LOCATE EXISTING UNDERGROUND UTILITIES IN AREAS OF WORK; IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING EARTHWORK OPERATIONS.
21. THE CONTRACTOR SHALL COORDINATE MAINTENANCE AND PROTECTION OF TRAFFIC WITH THE CITY OF ALBANY. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. ALL NECESSARY SIGNAGE SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
22. ALL UTILITY FRAMES SHALL BE SET AT THE BINDER COURSE ELEVATION AND RAISED TO THE TOP COURSE ELEVATION AT THE TIME OF TOP COURSE PLACEMENT.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND COORDINATE ANY REQUIRED BRACING OR RELOCATION OF ANY UTILITY POLE OR STRUCTURE WITH THE APPROPRIATE UTILITY COMPANY.
24. ALL FILL TO ACHIEVE THE PROPOSED ELEVATIONS SHALL BE COMPACTED TO 95% PROCTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND COORDINATION OF THE TESTING AND DOCUMENTATION OF THE FILL MATERIAL AND THE COMPACTION OF THE FILL MATERIAL.
25. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THE SURFACE OF ALL EXISTING ROADWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURFACE RESTORATION AND REPAIR RESULTING FROM THE CONTRACTORS ACTIVITIES. TREE TRIMMING SHALL BE PERFORMED BY THE CONTRACTOR AS NECESSARY WITHIN THE RIGHT-OF-WAY OR UTILITY EASEMENTS. ALL DISTURBED UTILITIES, DRIVEWAY CULVERTS, LAWNS, MAILBOXES, FENCES, SIGNS, DRIVEWAYS, DITCHES ETC. SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION, LINES, GRADES AND POSITIONS.
26. ALL DISTURBANCE LIMITS AND SETBACKS SHALL BE STAKED OR FLAGGED IN THE FIELD PRIOR TO BEGINNING GRADING AND CLEARING ACTIVITIES.
27. PRIOR TO CONSTRUCTION: THE LOCATION OF ALL EXISTING UTILITY POLES, OVERHEAD UTILITIES AND UNDERGROUND UTILITIES ON THE SITE SHALL BE DETERMINED BY THE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER. THE COORDINATION AND COST FOR THE RELOCATION OR MODIFICATION OF ANY UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE COSTS FOR THIS UTILITY WORK SHALL BE PROVIDED TO THE OWNER AND DESIGN ENGINEER FOR REVIEW.



SITE LOCATION MAP

0 500 1000 2000 4000

SITE STATISTICS

TAX PARCEL I.D.	85 SHERMAN STREET – 65.72-3-42 – 0.05 AC 83.5 SHERMAN STREET – 65.72-3-41 – 0.03 AC 83 SHERMAN STREET – 65.72-3-40 – 0.03 AC 81 SHERMAN STREET – 65.72-3-39 – 0.04 AC 79 SHERMAN STREET – 65.72-3-38 – 0.05 AC 77 SHERMAN STREET – 65.72-3-39 – 0.05 AC 73 SHERMAN STREET – 65.72-3-36 – 0.09 AC 71 SHERMAN STREET – 65.72-3-35 – 0.06 AC 69 SHERMAN STREET – 65.72-3-34 – 0.07 AC	
EXISTING ZONING	MU-CU MIXED USE COMMUNITY URBAN	
LOT STANDARDS	LOT WIDTH, MINIMUM IMPERVIOUS LOT COVERAGE, MAX.	20' MIN. 90%
SETBACKS	FRONT, MAXIMUM SIDE, MINIMUM REAR, MINIMUM	10' 0' GENERAL, 0'; ADJACENT TO R DISTRICT: 15'
PROPOSED PARKING	44 STALLS	
UTILITY PROVISIONS	STORMWATER – ON-SITE MITIGATION	
SITE COVERAGE STATISTICS	PAVED/SIDEWALKS GREENSPACE	139,040± SF = 32.4% 147,875± SF = 34.8%

Sheet List Table

SHEET NUMBER	SHEET DESIGNATION	SHEET DESCRIPTION
1	COV-1	COVER
2	ECR-1	EXISTING CONDITIONS & REMOVALS PLAN
3	LMG-1	LAYOUT, MATERIALS & GRADING PLAN
4	ESC-1	EROSION & SEDIMENT CONTROL PLAN
5	LP-1	LANDSCAPING PLAN
6	LP-1	LIGHTING PLAN
7	DT-1	EROSION & SEDIMENT CONTROL DETAILS
8	DT-2	MISCELLANEOUS DETAILS (1 OF 2)
9	DT-3	MISCELLANEOUS DETAILS (2 OF 2)
10	DT-4	STORM DETAILS
11	DT-5	STORMWATER BASIN DETAILS (1 OF 2)
12	DT-6	STORMWATER BASIN DETAILS (2 OF 2)

ACCESSIBLE ROUTE NOTES:

1. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONE, PUBLIC STREETS OR SIDEWALKS, AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY THEY SERVE.
2. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE.
3. WALKING SURFACES SHALL HAVE A MAXIMUM RUNNING SLOPE OF 5.0% AND A MAXIMUM CROSS SLOPE OF 2.0%.
4. ANY WALKING SURFACE WITH A RUNNING SLOPE GREATER THAN 5.0% IS A RAMP AND SHALL COMPLY WITH THE GUIDELINES FOR RAMPS OR CURB RAMPS.
5. TRANSITIONS BETWEEN RAMPS, WALKS, LANDINGS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4 INCH MAXIMUM VERTICAL CHANGE IN LEVEL).
6. FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT.
7. THE CLEAR WIDTH OF EXTERIOR ROUTES SHALL BE THIRTY SIX (36) INCHES MINIMUM.
8. WHERE AN ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN OBJECT THAT IS LESS THAN FORTY-EIGHT (48) INCHES IN WIDTH, CLEAR WIDTH SHALL BE FORTY-TWO (42) INCHES MINIMUM APPROACHING THE TURN, FORTY-EIGHT (48) INCHES MINIMUM DURING THE TURN, AND FORTY-TWO (42) INCHES MINIMUM LEAVING THE TURN. THE CLEAR WIDTH APPROACHING AND LEAVING THE TURN MAY BE THIRTY-SIX (36) INCHES MINIMUM WHEN THE CLEAR WIDTH AT THE TURN IS SIXTY (60) INCHES MINIMUM.
9. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN SIXTY (60) INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF TWO HUNDRED (200) FEET MAXIMUM. PASSING SPACES SHALL BE EITHER A SIXTY (60) INCH MINIMUM BY SIXTY (60) INCH MINIMUM SPACE; OR AN INTERSECTION OF TWO (2) WALKING SURFACES THAT PROVIDE A COMPLIANT T-SHAPED TURNING SPACE. PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND FORTY-EIGHT (48) INCHES MINIMUM BEYOND THE INTERSECTION.
10. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE FAIR HOUSING ACCESSIBILITY GUIDELINES, THE NEW YORK STATE BUILDING CODE, AND APPLICABLE LOCAL LAWS & REGULATIONS.
11. DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE BUILDING ENTRANCE SHALL BE PROVIDED AT INACCESSIBLE BUILDING ENTRANCES.
12. WHERE POSSIBLE, DRAINAGE INLETS SHALL NOT BE LOCATED ON AN ACCESSIBLE ROUTE IN THE EVENT THAT A DRAINAGE INLET MUST BE LOCATED ON AN ACCESSIBLE ROUTE, THE GRATE SHALL COMPLY WITH THE FAIR HOUSING ACCESSIBILITY GUIDELINES, THE BUILDING CODE OF NEW YORK STATE, AND APPLICABLE LOCAL LAWS & REGULATIONS.

RAMP NOTES:

1. ANY PART OF AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 5% SHALL BE CONSIDERED A RAMP.
2. THE MAXIMUM RUNNING SLOPE FOR A RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0% (7.5% MAXIMUM RUNNING SLOPE AND 1.5% MAXIMUM CROSS SLOPE WITHIN THE NYSDOT RIGHT-OR-WAY).
3. THE CLEAR WIDTH OF AN EXTERIOR RAMP RUN SHALL BE FORTY-EIGHT (48) INCHES. WHERE HANDRAILS ARE PROVIDED ON THE RAMP RUN, THE CLEAR WIDTH SHALL BE MEASURED BETWEEN THE HANDRAILS.
4. THE RISE FOR ANY RAMP RUN SHALL BE THIRTY (30) INCHES MAXIMUM.
5. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF RAMPS. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% IN ANY DIRECTION (1.5% IN NYSDOT RIGHT-OF-WAY). THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. THE LANDING CLEAR LENGTH SHALL BE SIXTY (60) INCHES LONG MINIMUM. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING OF SIXTY (60) INCHES BY SIXTY (60) INCHES MINIMUM.
6. RAMP RUNS WITH A RISE GREATER THAN SIX (6) INCHES OR A HORIZONTAL PROJECTION GREATER THAN SEVENTY-TWO (72) INCHES SHALL HAVE HANDRAILS ON BOTH SIDES COMPLYING WITH FAIR HOUSING ACCESSIBILITY GUIDELINES, THE BUILDING CODE OF NEW YORK STATE, AND APPLICABLE LOCAL LAWS & REGULATIONS.
7. FLOOR SURFACES OF RAMPS AND LANDINGS SHALL BE STABLE, FIRM AND SLIP RESISTANT.
8. EDGE PROTECTION COMPLYING WITH FAIR HOUSING ACCESSIBILITY GUIDELINES, THE BUILDING CODE OF NEW YORK STATE, AND APPLICABLE LOCAL LAWS & REGULATIONS, SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND ON EACH SIDE OF RAMP LANDINGS.
9. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY, THE BUILDING CODE OF NEW YORK STATE SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. WHERE DOORS THAT ARE SUBJECT TO LOCKING ARE ADJACENT TO A RAMP LANDING, LANDINGS SHALL BE SIZED TO PROVIDE A COMPLIANT TURNING SPACE.

CURB RAMP NOTES:

1. THE MAXIMUM RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% AND THE MAXIMUM CROSS SLOPE SHALL BE 2.0% (7.5% MAXIMUM RUNNING SLOPE AND 1.5% MAXIMUM CROSS SLOPE WITHIN THE NYSDOT RIGHT-OF-WAY).
2. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5.0%. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS AND STREETS SHALL BE AT THE SAME LEVEL.
3. THE CLEAR WIDTH OF A CURB RAMP SHALL BE SIXTY (60) INCHES MINIMUM, EXCLUSIVE OF FLARED SIDES, IF PROVIDED.
4. LANDINGS SHALL BE PROVIDED AT THE TOP OF CURB RAMPS. THE CLEAR LENGTH OF THE LANDING SHALL BE THIRTY-SIX (36) INCHES MINIMUM. THE CLEAR WIDTH OF THE LANDING SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING. LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 2.0% (1.5% IN THE NYSDOT RIGHT-OF-WAY) IN ANY DIRECTION.
5. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES.
6. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT EXCEED 10.0%.
7. CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES OR PARKING ACCESS AISLES. CURBS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
8. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
9. CURB RAMPS SHALL HAVE A TWENTY-FOUR (24) INCH DEEP DETECTABLE WARNING COMPLYING WITH 406.12 A117.1 -2003, EXTENDING THE FULL WIDTH OF THE RAMP. REFER TO DETECTABLE WARNING DETAILS AND NOTES FOR PLACEMENT, ORIENTATION AND NOTES. ANY DETECTABLE WARNING DEVICES IN THE NYSDOT RIGHT-OF-WAY SHALL BE FROM THE "NYSDOT APPROVED MATERIALS LIST."
10. FLOOR SURFACES OF CURB RAMPS SHALL BE DEEP GROOVED, ½ INCH WIDE BY ¼ INCH DEEP, ONE (1) INCH CENTERS TRANSVERSE TO THE RAMP.
11. WHERE PROVIDED, STOP LINES SHALL BE LOCATED IN ADVANCE OF CURB RAMP.
12. WHERE PROVIDED, PEDESTRIAN ACTIVATED SIGNALS SHALL BE LOCATED ADJACENT TO THE SIDEWALK AND NOT ON THE SIDEWALK.
13. WHERE PROVIDED, DRAINAGE INLETS SHALL BE LOCATED UPSTREAM OF CURB RAMPS AND NOT IN THE RAMP AREA.
14. CURB RAMP TYPE AND LOCATION ARE PER PLAN.

PARKING SPACE NOTES:

1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTES OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE.
2. ACCESSIBLE PARKING SPACES SHALL BE AT LEAST NINETY-SIX (96) INCHES WIDE. ACCESS AISLES SHALL BE NINETY-SIX (96) INCHES WIDE TO PROVIDE VAN ACCESSIBILITY. WHERE PARKING SPACES AND ACCESS AISLES ARE MARKED WITH LINES, THE WIDTH MEASUREMENTS SHALL BE MADE FROM CENTERLINE OF THE MARKINGS. WHERE PARKING SPACES OR ACCESS AISLES ARE NOT ADJACENT TO ANOTHER PARKING SPACE OR ACCESS AISLES, MEASUREMENTS SHALL BE PERMITTED TO INCLUDE THE FULL WIDTH OF THE LINE DEFINING THE PARKING SPACE OR ACCESS AISLE.
3. PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH PROVISIONS FOR ACCESSIBLE ROUTES. MARKED CROSSINGS SHALL BE PROVIDED WHERE THE ACCESSIBLE ROUTE MUST CROSS VEHICULAR TRAFFIC LANES. WHERE POSSIBLE, IT IS PREFERABLE THAT THE ACCESSIBLE ROUTE NOT PASS BEHIND PARKED VEHICLES.
4. TWO (2) ACCESSIBLE PARKING SPACES MAY SHARE A COMMON ACCESS AISLE.
5. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.
6. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN THEM.
7. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR ANGLED VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES.
8. FLOOR SURFACES OF PARKING SPACES AND ACCESS AISLES SERVING THEM SHALL BE STABLE, FIRM AND SLIP RESISTANT. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE. CHANGES IN LEVEL ARE NOT PERMITTED.
9. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS.
10. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE REQUIRED CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
11. PARKING SPACES FOR VANS AND ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF NINETY-EIGHT (98) INCHES MINIMUM. SIGNS SHALL BE PROVIDED AT ENTRANCES TO PARKING FACILITIES INFORMING DRIVERS OF CLEARANCES AND THE LOCATION OF VAN ACCESSIBLE PARKING SPACES.
12. EACH ACCESSIBLE PARKING SPACE SHALL BE PROVIDED WITH SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGNS SHALL BE INSTALLED AT A MINIMUM CLEAR HEIGHT OF SIXTY (60) INCHES ABOVE GRADE AND SHALL NOT INTERFERE WITH AN ACCESSIBLE ROUTE FROM AN ACCESS AISLE. SIGNS LOCATED WHERE THEY MAY BE HIT BY VEHICLES BEING PARKED SHALL BE INSTALLED WITH BOLLARD PROTECTION.
13. ACCESSIBLE PARKING SPACE, ACCESS AISLE STRIPING, AND INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PAINTED BLUE (OR ANOTHER COLOR THAT CAN BE DISTINGUISHED FROM PAVEMENT). ACCESSIBLE SYMBOL SHALL BE NEW YORK STATE MOBILE ACCESSIBLE SYMBOL.
14. WHERE PARKING IS PROVIDED WITHIN OR BENEATH A BUILDING, ACCESSIBLE PARKING SHALL ALSO BE PROVIDED WITHIN OR BENEATH THE BUILDING.

PRELIMINARY / NOT FOR CONSTRUCTION

DATE	REVISIONS RECORD/DESCRIPTION
12/30/2020	GENERAL REVISIONS

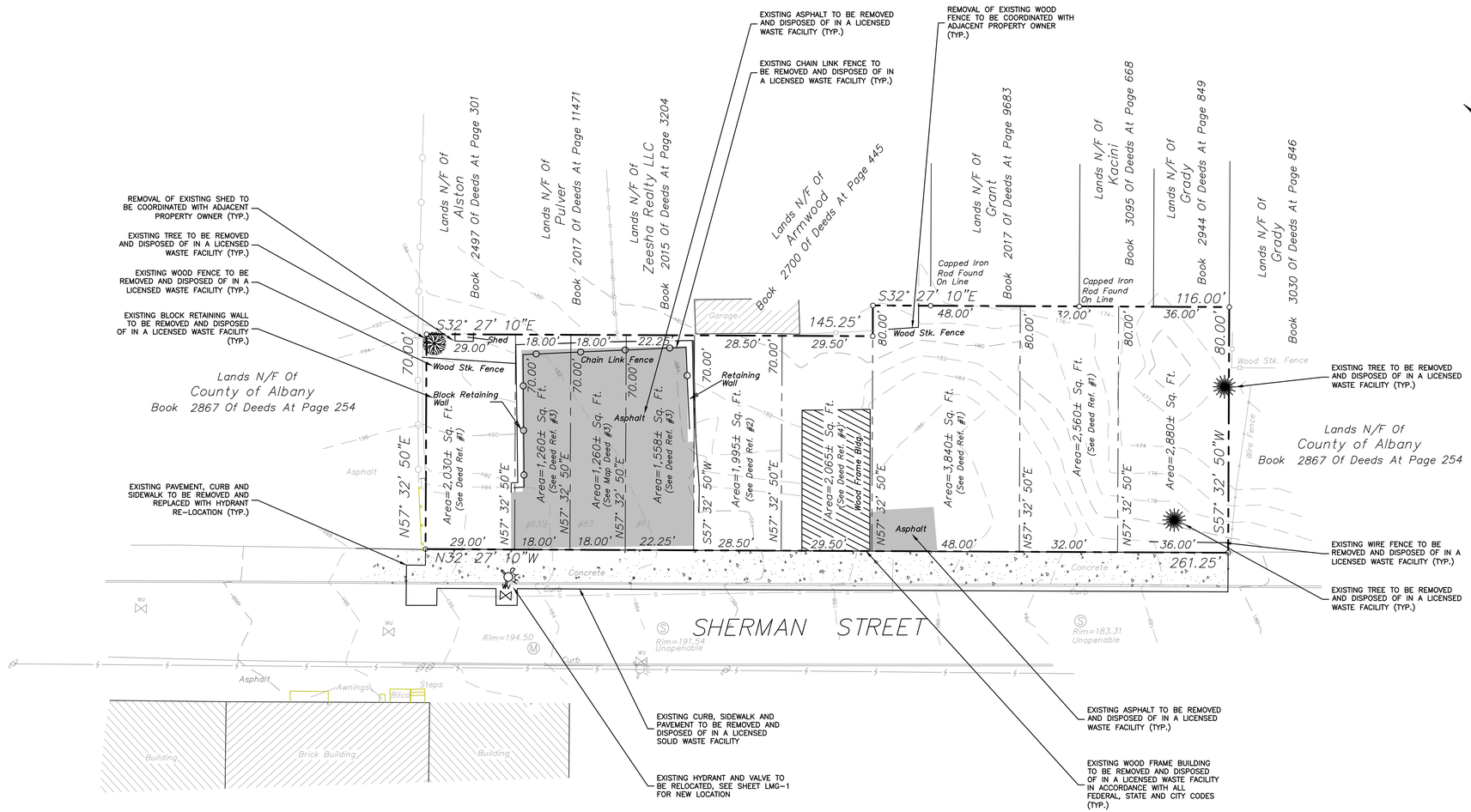
LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

LANSING ENGINEERING
2482 STATE ROUTE 9, SUITE 2021
MALTA, NY 12020
(518) 899-2643

COVER

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

COV-1
SHEET 1 OF 12



EXISTING CONDITIONS & DEMO PLAN

0 10 20 40 80

SCALE: 1"=20'

LEGAL AID SOCIETY - PARKING EXPANSION

SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

DATE	REVISIONS RECORD/DESCRIPTION
12/30/2020	GENERAL REVISIONS

PRELIMINARY / NOT FOR CONSTRUCTION

LANSING ENGINEERING
2458 ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-2243

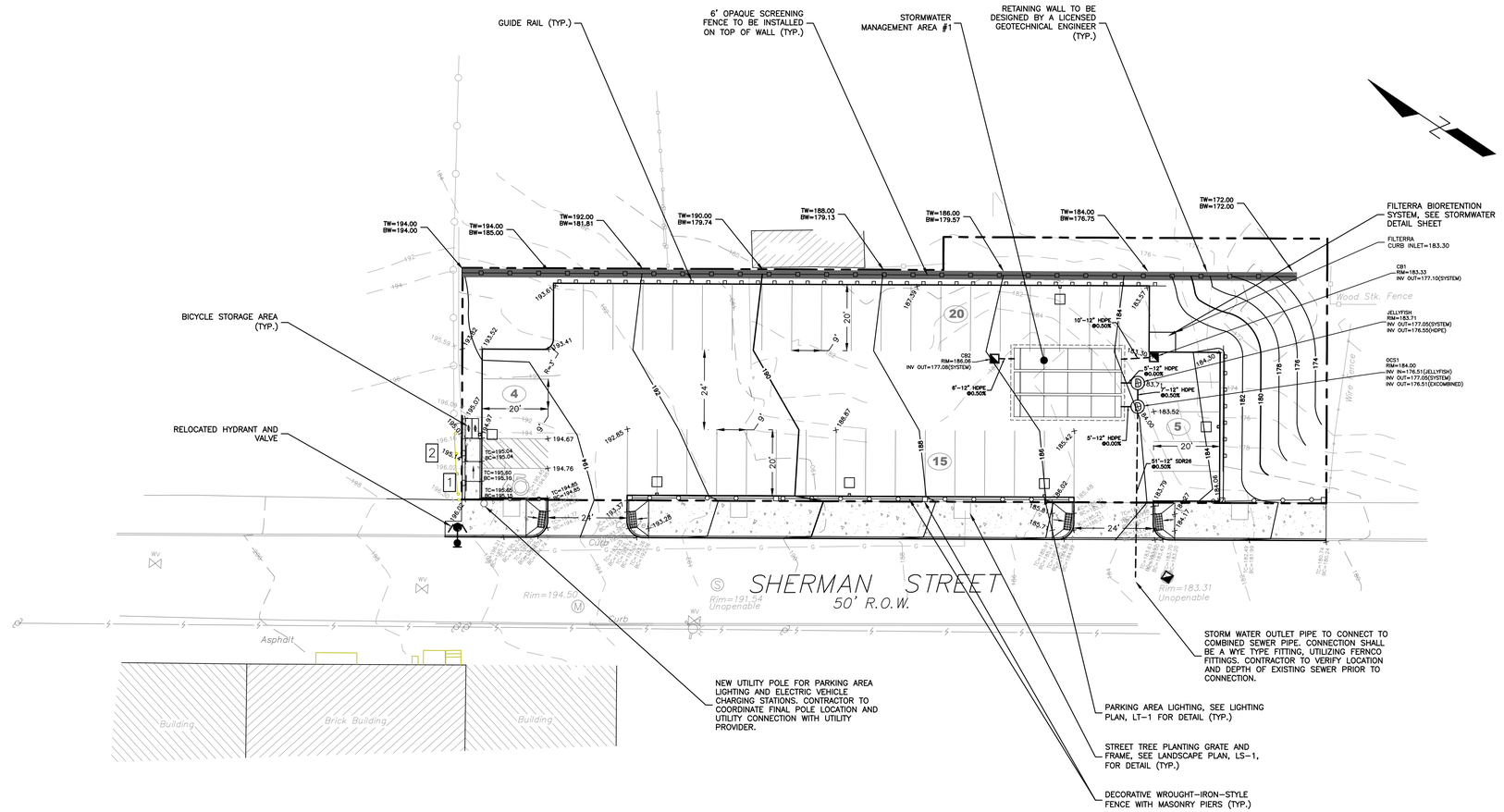
EXISTING CONDITIONS & REMOVALS PLAN

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

ECR-1
SHEET 2 OF 12

APPROXIMATE LOCATION AND DIRECTION OF SIGN

TRAFFIC CONTROL DEVICE SCHEDULE		
PLAN NO.	DESCRIPTION	QNTY.
1	"VAN ACCESSIBLE" HANDICAP RESERVED PARKING SIGN	1
2	"NO PARKING" SIGN	1



LAYOUT, MATERIALS, & GRADING PLAN

0 10 20 40 80

SCALE: 1"=20'

LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

DATE	REVISIONS RECORD/DESCRIPTION
12/30/2020	GENERAL REVISIONS

PRELIMINARY / NOT FOR CONSTRUCTION

LANSING ENGINEERING
2462 STATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-5243

LAYOUT, MATERIALS & GRADING PLAN

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

LMG-1
SHEET 3 OF 12

RECOMMENDED SOIL EROSION AND SEDIMENT CONTROL MEASURES

MEASURES SHOWN ARE TO DEFINE INTENT. ACTUAL MEASURES WILL BE IMPLEMENTED AS SITE CONDITIONS WARRANT BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE ALL NEEDED CONTROL MEASURES TO PREVENT SOIL EROSION.

GENERAL MEASURES:

1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE.
2. INSOFAR AS PRACTICABLE, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE AREA AND DURATION OF SOIL DISRUPTION.
4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED.

PARTICULAR MEASURES:

1. IMMEDIATELY FOLLOWING COMPLETION OF ANY AND ALL OF THE PROPOSED STORM DRAIN INLETS, STORM DRAIN INLET PROTECTION SHALL BE CONSTRUCTED.
2. DRAINAGE DITCH SEDIMENT FILTERS: UNTIL SUCH TIME AS FINAL SITE STABILIZATION IS COMPLETED, DITCHES SHALL RECEIVE TREATMENT WITH STONE CHECK DAMS SO AS TO EFFECTIVELY TRAP SEDIMENT AND MINIMIZE ITS RELEASE OFF-SITE. STONE CHECK DAMS SHALL BE CONSTRUCTED WITHIN EACH DITCH BEGINNING AT ITS DOWNSTREAM TERMINUS AND SHOULD NOT BE PLACED AT INTERVALS EXCEEDING 20 FEET.
3. TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILED ON-SITE FOR PERIODS GREATER THAN 14-DAYS SHALL BE STABILIZED BY SEEDING AND MULCHING. PROVIDE SILT FENCE EROSION CONTROL DOWNGRADIENT OF SOIL STOCKPILE AREA.
4. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.
5. PERMANENT VEGETATIVE COVER: IMMEDIATELY FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
6. ALL HEALTHY TREES OF DESIRABLE SPECIES ARE TO BE PROTECTED FROM DAMAGE. ALL UNNECESSARY REMOVAL OF HEALTHY TREES SHALL BE AVOIDED.
7. THE CONTRACTOR IS TO ADHERE TO ALL REQUIREMENTS SET FORTH IN THE SWPPP.
8. WETLAND PROTECTION FENCE SHALL BE INSTALLED ALONG THE PERIMETER OF WETLANDS PRIOR TO THE START OF CONSTRUCTION.

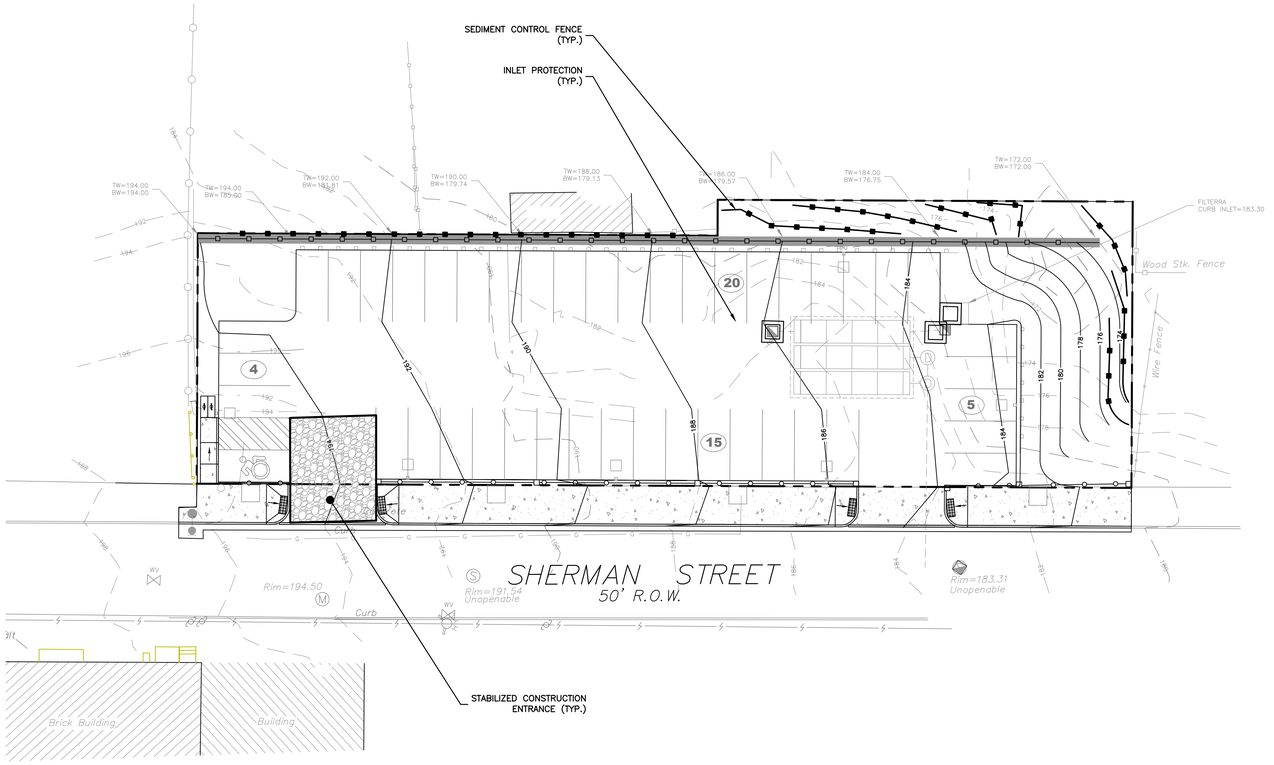
MAINTENANCE OF EROSION CONTROL MEASURES

THE DEVELOPER/CONTRACTOR OR THEIR BUILDER SHALL INSPECT AND MAINTAIN THE INTEGRITY AND FUNCTION OF ALL TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE DEVELOPMENT PROCESS. TO ASSURE PROPER FUNCTION, SILTATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED OR REPLACED AS NECESSARY. WASHOUTS SHALL BE IMMEDIATELY REPAIRED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION. ALL ACCUMULATED SEDIMENT SHALL BE REMOVED AND CONTAINED IN APPROPRIATE SPOIL AREAS. WATER SHALL BE APPLIED TO NEWLY SEEDED AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED. TO EFFECTIVELY CONTROL WIND EROSION, WATER SHALL BE APPLIED TO ALL EXPOSED SOILS AS NECESSARY UNTIL GROUND COVER IS PERMANENTLY ESTABLISHED.

TABLE 5.3 SOIL RESTORATION REQUIREMENTS*

TYPE OF SOIL DISTURBANCE	SOIL RESTORATION REQUIREMENT	COMMENTS/ EXAMPLES
NO SOIL DISTURBANCE	RESTORATION NOT PERMITTED	PRESERVATION OF NATURAL FEATURES
MINIMAL SOIL DISTURBANCE	RESTORATION NOT PERMITTED	CLEARING AND GRUBBING
AREAS WHERE TOPSOIL IS STRIPPED ONLY – NO CHANGE IN GRADE	HSG C&D AERATE** AND APPLY 6" OF TOPSOIL	PROTECT AREA FROM ANY ONGOING CONSTRUCTION ACTIVITIES
AREAS OF CUT OR FILL	HSG C&D APPLY FULL SOIL RESTORATION***	
HEAVY TRAFFIC AREAS ON SITE (ESPECIALLY IN A ZONE 5-25 FEET AROUND BUILDINGS BUT NOT WITHIN A 5' PERIMETER AROUND FOUNDATION WALLS)	APPLY FULL SOIL RESTORATION (DE-COMPACTION AND COMPOST ENHANCEMENT)	
AREAS WHERE RUNOFF REDUCTION AND/OR INFILTRATION PRACTICES ARE APPLIED	RESTORATION NOT REQUIRED, BUT MAY BE APPLIED TO ENHANCE THE REDUCTION SPECIFIED FOR APPROPRIATE PRACTICES	KEEP CONSTRUCTION EQUIPMENT FROM CROSSING THESE AREAS. TO PROTECT NEWLY INSTALLED PRACTICE FROM ANY ONGOING CONSTRUCTION ACTIVITIES, CONSTRUCT A SINGLE PHASE OPERATION FENCE AREA
REDEVELOPMENT PROJECTS	SOIL RESTORATION IS REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS AREA	

* TAKEN FROM PAGE 5-22 OF NEW YORK STATE STORMWATER DESIGN MANUAL. (AUGUST, 2010)
** AERATION INCLUDES THE USE OF MACHINES SUCH AS TRACTOR-DRAWN IMPLEMENTS WITH COULTERS MAKING A NARROW SLIT IN THE SOIL, A ROLLER WITH MANY SPIKES MAKING INDENTATIONS IN THE SOIL, OR PRONGS WHICH FUNCTION LIKE A MINI-SUBSOILER.
*** PER "DEEP RIPPING AND DE-COMPACTION, DEC 2008". A COPY IS INCLUDED WITHIN THE APPROVED SWPPP.



EROSION & SEDIMENT CONTROL PLAN

0 10 20 40 80

SCALE: 1"=20'

LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

DATE	REVISIONS RECORD/DESCRIPTION
12/30/2020	GENERAL REVISIONS

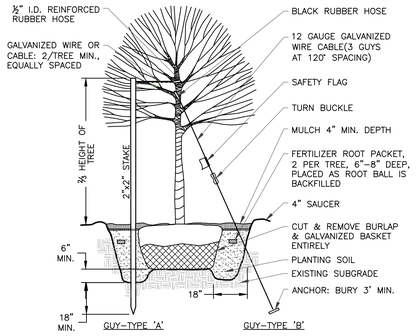
PRELIMINARY / NOT FOR CONSTRUCTION

LANSING ENGINEERING
2462 STATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-9249

EROSION & SEDIMENT CONTROL PLAN

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

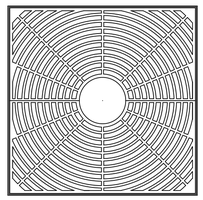
ESC-1
SHEET 4 OF 12



NOTE:
– GUY TYPE "A" IS FOR TREES LESS THAN 3" CALIPER
– GUY TYPE "B" IS FOR TREES 3" CALIPER OR GREATER

1 DECIDUOUS TREE PLANTING

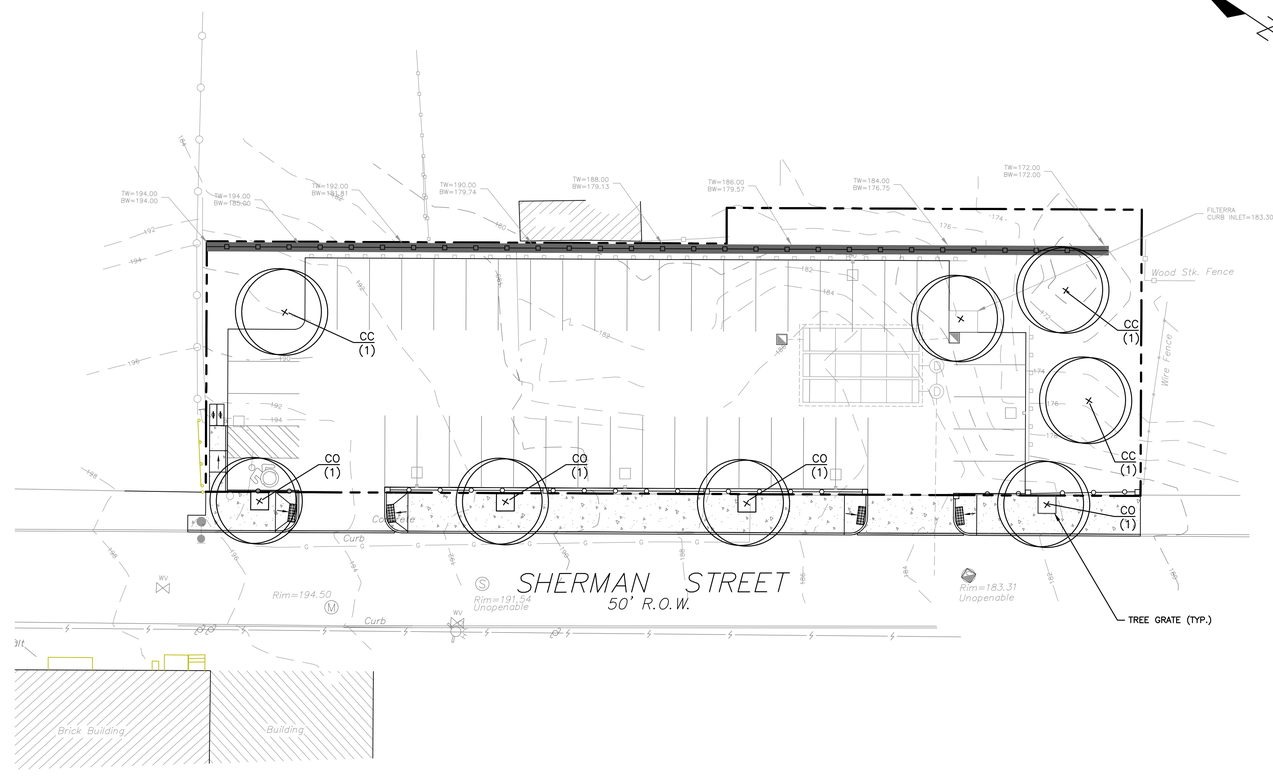
SCALE: NTS



NOTE:
MODEL US FOUNDRY MODEL 9508–S TREE GRATE ADA COMPLIANT

2 48" x 48" TREE GRATE

SCALE: NTS



LANDSCAPING PLAN

0 10 20 40 80

SCALE: 1"=20'

PLANTING LIST: **NOTE: *IF REQUIRED LANDSCAPE MATERIALS AND/OR SIZES ARE NOT OBTAINABLE, SUBMIT PROPOSAL OF ALTERNATIVE MATERIALS TO OWNER/LANDSCAPE ARCHITECT FOR APPROVALS AND SUBSTITUTIONS.**

ABRV	BOTANICAL NAME	COMMON NAME	QTY	SIZE	COND	SPACING	REMARKS
CO	CELTIS OCCIDENTALIS	HACKBERRY	4	3"–4" CALIPER	B&B	AS SHOWN	
CC	CRATAEGUS CRUSGALLI INERMIS	THORNLESS COCKSPUR HAWTHORN	4	3"–4" CALIPER	B&B	AS SHOWN	

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LANSING ENGINEERING
2482 STATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-9543

LANDSCAPING PLAN

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

LP–1
SHEET 5 OF 12

NLS LIGHTING

VUE-1

FULL CUTOFF SITE LIGHTING

FORM AND FUNCTION
- Sleek, low profile housing
- Dark Sky Compliant, Full Cutoff
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs up to 65%
- Exceeds IES foot candle levels utilizing the least number of poles and fixtures per project
- Optical system designed for Parking Lots, Auto Dealerships, Municipalities, Tennis Courts, Field Lighting

CONSTRUCTION
- Aluminum
- External cooling fins, Finite Element Analysis (FEA) designed
- Corrosion resistant external hardware

FINISH
- 3-5 mils electrostatic powder coat.
- NLS' standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

WARRANTY
Five-year limited warranty for drivers and LEDs.

LISTINGS
- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium® Premium (DLCP)

LED WATTAGE CHART

	20L	32L	48L	64L
530 milliamps	35w	54w	76w	102w
700 milliamps	44w	71w	104w	136w
1050 milliamps	70w	106w	156w	205w

Project Name:

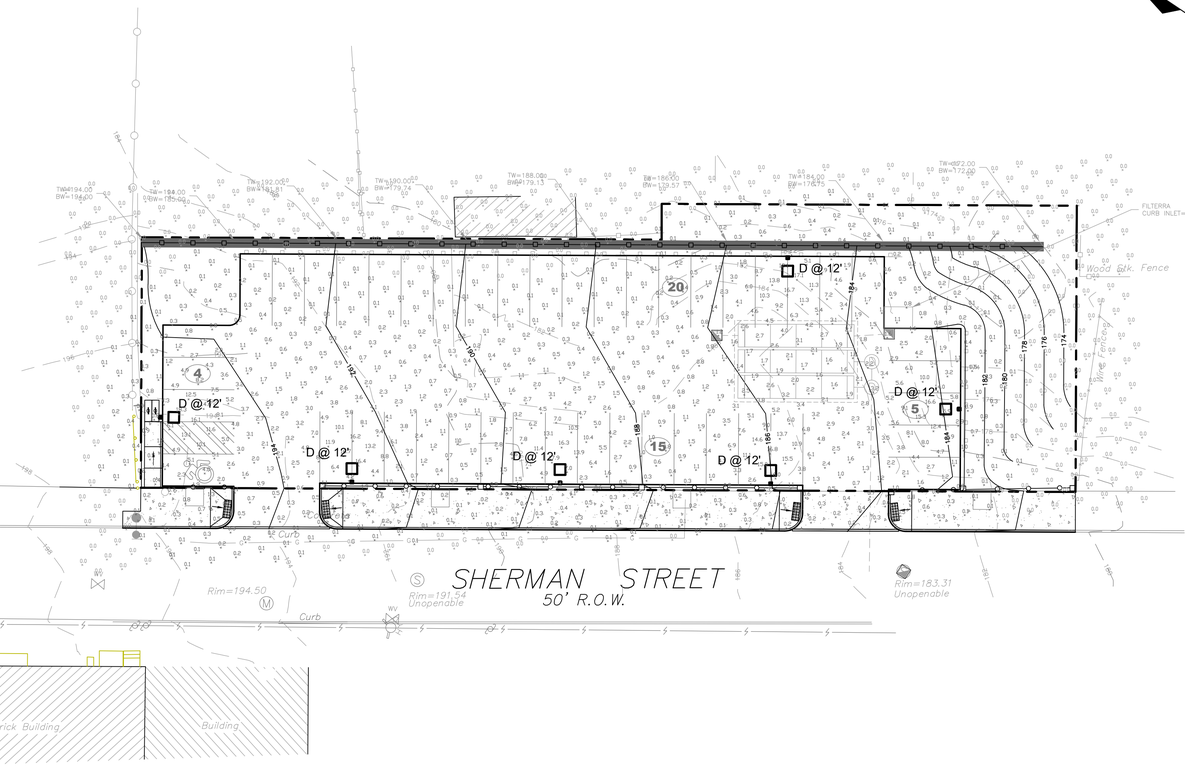
Type:

Cat #	Light Dist.	No. of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
VUE-1 *(200W Max)* **(VUE-1)**	Type 1 **(T1)** Type 2 **(T2)** Type 3 **(T3)** Type 4 **(T4)** Type 5 **(T5)** Tennis Optic **(TT)**	20 **(20L)** 32 **(32L)** 48 **(48L)** 64 **(64L)**	530 **(53)** 700 **(7)** 1050 **(1)**	3000K **(30K)** 4000K **(40K)** 5000K **(50K)**	120-277 **(UNV)** 347-480 **(HV)**	**Direct Pole** Single D180 6' **(DPS6)** D90 T90 T120 OD 10' **(DPS10)** Knuckle Mount **(KM)** Trunnion Mount **(TM)** **Standard finish is stainless steel. Can be painted to match fixture* Tennis Arm **(TA)** Wall Mount **(WM)** **Includes 6" Bolt On Arm* Direct Wall Mount **(DWM)** **Includes Wall Plate* **VUE-1 Only* **See next page for Arm Configurations* **For Round Pole, please specify RPA4 or RPA5*	Bronze **(BRZ)** White **(WHT)** Silver **(SVR)** Hunter Green **(HGN)** Black **(BLK)** Graphite **(GPH)** Grey **(GRY)** Custom **(CS)**	Bird Spikes **(BS)** Marine Grade Finish **(MGF)** Photocell **(PC)** **Universal Voltage 120-277* Photocell + Receptacle **(PCR)** **Pin Standard* Receptacle + Shorting Cap **(PER)** **Pin Standard* Integral FSP-211 Motion Sensor (360 Motion) **(FSP-1)** **For 8' & Below* **(FSP-20)** **For 21 to 20'* **(FSP-40)** **For 21' to 40'* Motion Sensor **(MS)** Surge Protector **(10K)** Rotate Optic Right **(ROR)** Rotate Optic Left **(ROL)** House Side Shield **(HSS)** Front Side Shield **(FSS)** Quick Mount Bracket **(QMB)** Retrofit Quick Mount Bracket **(RQMB)** Round Pole Adapter 3"-4" Pole **(RPA4)** 5"- 6" Pole **(RPA5)**

12

Statistics								
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	CalcType	Units
Calc Zone #2	+	1.3 fc	18.3 fc	0.0 fc	N/A	N/A	Illuminance	Fc

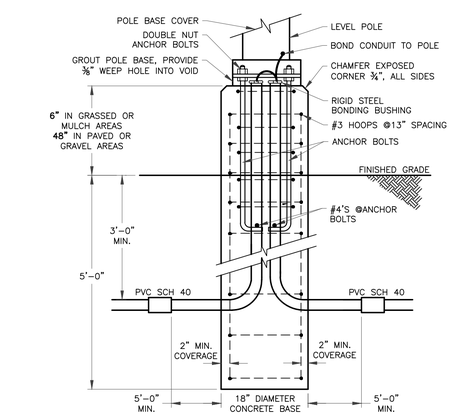
Luminaire Schedule									
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lumens per Lamp	LLF	Wattage	Efficiency
▪	D	6	NLS Lighting LLC	VUE-1-T4-32L-700-40K-HSS	21.48"L. X 16.99"W. X 6.38"H.. LED POLE MOUNT	6930	1	71	100%



LIGHTING PLAN

0 10 20 40 80

SCALE: 1"=20'



1 TYPICAL POLE MOUNTING DETAIL

SCALE: NTS

PRELIMINARY / NOT FOR CONSTRUCTION

LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

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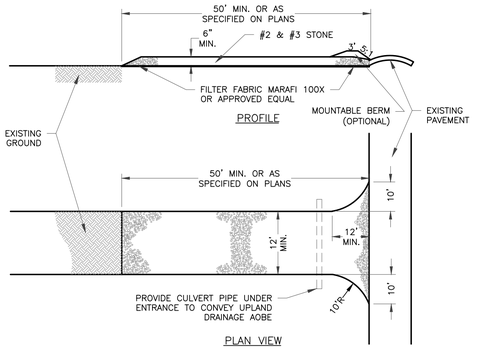
LANSING ENGINEERING
2462 STATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-5243

LIGHTING PLAN

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

LP-1
SHEET 6 OF 12



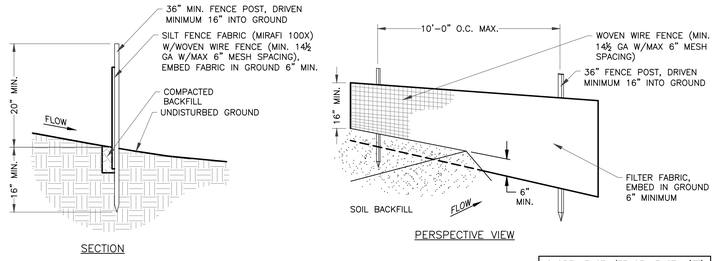
CONTRACTOR SHALL REMOVE MATERIALS AND RESTORE ENTRANCE AREA, ESTABLISHING VEGETATIVE COVER.

NOTE:

1. STONE SIZE – USE MIXTURE OF #2 & #3 STONE (1–4 INCHES), OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN FIFTY (50) FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A THIRTY (30) FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY–FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1 STABILIZED CONSTRUCTION ENTRANCE

SCALE: NTS



CONSTRUCTION SPECIFICATIONS

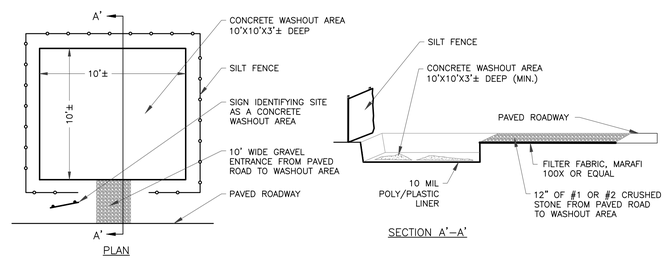
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12½ GA, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER–LAPPED BY (6) INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

		SLOPE LENGTH/FENCE LENGTH (FT)		
SLOPE	STEEPNESS	STANDARD	REINFORCED	SUPER
<2%	<50:1	300/1500	N/A	N/A
2–10%	50:1 TO 10:1	125/1000	250/2000	300/2500
10–20%	10:1 TO 5:1	100/750	150/1000	200/1000
20–33%	5:1 TO 3:1	60/500	80/750	100/1000
33–50%	3:1 TO 2:1	40/250	70/350	100/500
>50%	>2:1	20/125	30/175	50/250

STANDARD SILT FENCE (SF) IS FABRIC ROLLS STAPLED TO WOODEN STAKES DRIVEN 16" IN THE GROUND.
REINFORCED SILT FENCE (RSF) IS FABRIC PLACED AGAINST WELDED WIRE FABRIC WITH ANCHORED STEEL POSTS DRIVEN 16" IN THE GROUND.
SUPER SILT FENCE (SSF) IS FABRIC PLACED AGAINST CHAIN LINK FENCE AS SUPPORT BACKING WITH POSTS DRIVEN 3' IN THE GROUND.

2 SEDIMENT CONTROL FENCE

SCALE: NTS



CONSTRUCTION SPECIFICATIONS

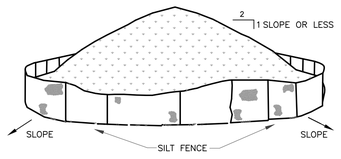
1. CONCRETE WASHOUT LOCATION SHALL BE A MINIMUM OF 100' FROM SENSITIVE AREAS.
2. THE BASIN DIMENSIONS DEPICTED ABOVE ARE REQUIRED MINIMUMS. CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. (APPROX. 60 GAL. OF WATER/WASTE PER TRUCK)
3. PLASTIC LINING MATERIAL SHALL BE 10 MIL(MINIMUM) POLY SHEETING AND BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL. LINER TO BE ANCHORED BEYOND THE TOP OF THE PIT WITH AN EARTHEN BERM, SAND BAGS, OR STONE.
4. WASHOUT FACILITY MUST BE CLEANED OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.

MAINTENANCE AND CLEANING

1. DO NOT DISCHARGE LIQUID OR SLURRY TO WATERWAYS, STORM DRAINS OR DIRECTLY ONTO GROUND.
2. DO NOT USE SANITARY SEWER WITHOUT LOCAL APPROVAL.
3. PLACE A SECURE NON–COLLAPSING, NON–WATER COLLECTING COVER OVER THE FACILITY PRIOR TO PREDICTED WET WEATHER TO PREVENT ACCUMULATION AND OVERFLOW.
4. REMOVE AND DISPOSE OF HARDENED CONCRETE AND RETURN THE STRUCTURE TO A FUNCTIONAL STATE.
5. INSPECT THE WASHOUT FACILITY FOR SIGNS OF WEAKENING OR DAMAGE AND REPAIR AS NECESSARY (RE–LINE THE STRUCTURE WITH NEW POLY SHEETING AFTER EACH CLEANING).

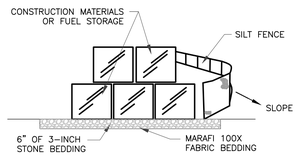
3 CONCRETE WASHOUT AREA

SCALE: NTS



1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. SILT FENCING SHALL BE PLACED 5' DOWNSLOPE OF EACH PILE. UPON COMPLETION OF SOIL STOCKPILING, TOPSOIL SHALL BE STABILIZED WITH SEED AND MULCH IF NOT TO BE DISTURBED/UTILIZED WITHIN 14 DAYS.
4. SEE ADDITIONAL DETAILS FOR INSTALLATION OF SILT FENCE.
5. TEMPORARY PERIMETER DIKES MAY BE REQUIRED TO DIRECT CLEAN RUNOFF FROM STOCKPILE AREAS. REFER TO EROSION AND SEDIMENT CONTROL PLAN.

SOIL STOCKPILE

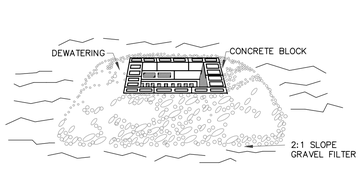


1. AREA CHOSEN FOR STORAGE OPERATIONS SHALL BE DRY AND STABLE.
2. MINIMUM DISTANCE TO A NATURAL WATER COURSE SHALL BE 50'.
3. THE TOP SIX INCHES OF NATIVE MATERIAL SHALL BE REMOVED FROM MATERIAL/FUEL STORAGE AREA AND REPLACED WITH MARAFI 100X GEOTEXTILE FABRIC AND 6" INCHES OF CRUSHED STONE BEDDING. CRUSHED STONE SHALL MEET NYSDOT ITEM NO. 623.11 SPECIFICATIONS.
4. SILT FENCING SHALL BE PLACED 5' DOWNSLOPE OF STORAGE AREA.
5. TEMPORARY PERIMETER DIKES MAY BE REQUIRED TO DIRECT CLEAN RUNOFF FROM STORAGE AREAS. REFER TO EROSION AND SEDIMENT CONTROL PLAN.

FUEL OR MATERIAL STORAGE AREA

4 MATERIAL STORAGE & SOIL STOCKPILE STABILIZATION DETAIL

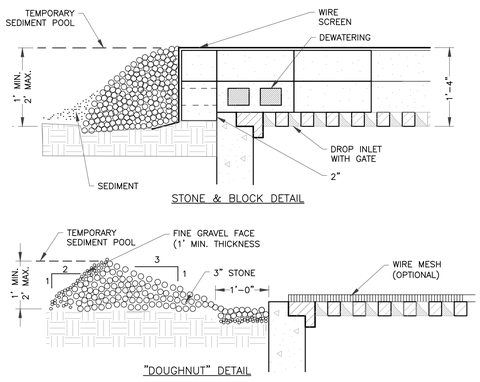
SCALE: NTS



STONE & BLOCK PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2" MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL ½"– ¾"ø PLACED 2" BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1' THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3" STONE AS SHOWN ON THE DRAWINGS.
5. MAXIMUM DRAINAGE AREA 1 ACRE.



5 STONE AND BLOCK DROP INLET PROTECTION

SCALE: NTS

LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

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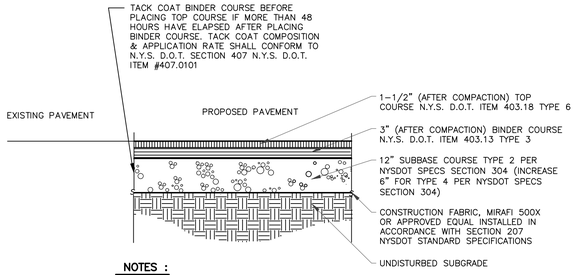
PRELIMINARY / NOT FOR CONSTRUCTION

LANSING ENGINEERING
2456 STATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-2243

EROSION & SEDIMENT CONTROL DETAILS

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

DT–1
SHEET 7 OF 12

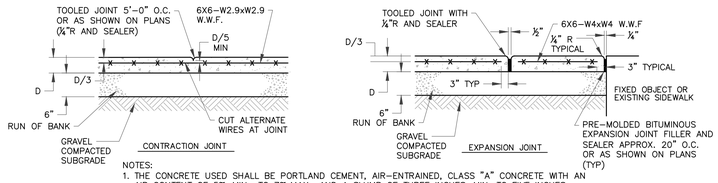


NOTES :

1. THICKNESS OF ALL COURSES SHOWN ON THE DRAWINGS ARE COMPACTED THICKNESSES.
2. ALL MATERIALS SHALL CONFORM TO NYSDOT, SECTION 400 AND SECTION 300.
3. CONSTRUCT ASPHALT PAVEMENT IN ACCORDANCE WITH NYSDOT SECTION 401-3.
4. NOTIFY THE CITY OF ALBANY 48 HOURS PRIOR TO COMMENCING PAVING.
5. IF SUBGRADE IS UNSUITABLE FOR SUBBASE INSTALLATION AT THE TIME OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER INDICATING PROPOSED CORRECTIVE MEASURES (E.G., FILTER FABRIC, UNDERDRAINS, ADDITIONAL GRAVEL, ETC.).
6. CURBS SHALL BE FORMED INTEGRALLY WITH BINDER COURSE AND TOP COURSE.
7. BITUMINOUS TACK COAT SHALL BE APPLIED BETWEEN PAVEMENT COURSES IF MORE THAN 48 HOURS HAS ELAPSED BETWEEN PLACEMENT OF COURSES. TACK COAT WHEN USED SHALL BE APPLIED PER NYSDOT SECTION 407-2 AT APPLICATION RATE OF .05 – .1 GAL/SQ. YD.
8. ALL TESTING FOR COMPACTION SHALL BE AS ORDERED BY THE ENGINEER. THE CONTRACTOR SHALL PAY FOR ALL TESTING.
9. IF MORE THAN 30 DAYS WILL ELAPSE BETWEEN PAVING OF BINDER COURSE PAVEMENT AND TOP COURSE PAVEMENT, ALL SANITARY SEWER AND STORM SEWER FRAME SETS AND VALVE BOXES SHALL BE SET AT THE BINDER COURSE ELEV. AND SHALL BE RAISED AT THE TIME OF APPLICATION OF THE TOP COURSE PAVING.
10. ALL FILL TO CONSTRUCT PARKING AREAS TO SUBGRADE ELEVATIONS SHALL BE COMPACTED TO 95% PROCTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND COORDINATION OF THE TESTING AND DOCUMENTATION OF THE FILL MATERIAL AND THE COMPACTION OF THE FILL MATERIAL.
11. IN PARKING AREAS: FILL AREAS– BACKFILL WITH CLEAN SAND AND GRAVEL COMPACTED IN 12" LOOSE LIFTS UP TO 24" BELOW SUBBASE. THEN COMPACT IN 8" LOOSE LIFTS TO REQUIRED SUBBASE. SAND AND GRAVEL TO BE WELL GRADED WITH NO MATERIAL LARGER THEN 3" AND LESS THEN 10% FINER THEN THE #200 SIEVE, COMPACTION TO BE 95% STANDARD PROCTOR DENSITY, MEASURED AT EACH LIFT. PROVIDE SIEVE TEST OF FILL MATERIAL FOR APPROVAL PRIOR TO USE. PROVIDE COMPACTION RESULTS DEMONSTRATING CONFORMITY. SUITABLE NATIVE MATERIAL SHALL BE PERMITTED IN FILL AREAS AS AN ALTERNATE TO THE MATERIAL SPECIFIED ABOVE SUBJECT TO DESIGN AND TOWN ENGINEERS REVIEW AND APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GEOTECHNICAL ANALYSES TO DETERMINE THE SUITABILITY OF THE NATIVE MATERIAL AS FILL TO THE SATISFACTION OF THE DESIGN AND TOWN ENGINEER.
12. TACK COAT TO BE APPLIED AT THE INTERFACE BETWEEN ALL EXISTING AND PROPOSED PAVEMENT EDGES.

1 ASPHALT PAVEMENT DETAIL

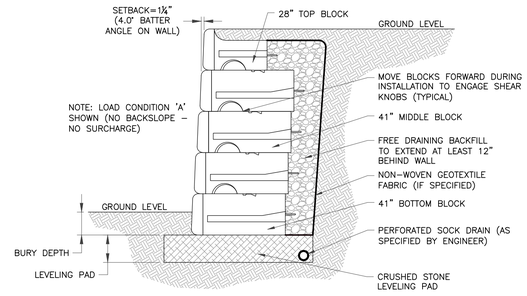
SCALE: NTS



NOTES:
1. THE CONCRETE USED SHALL BE PORTLAND CEMENT, AIR-ENTRAINED, CLASS "A" CONCRETE WITH AN AIR CONTENT OF 5% MIN., TO 7% MAX., AND A SLUMP OF THREE INCHES, MIN. TO FIVE INCHES, MAX.
2. ALL SIDEWALKS SHALL BE FINISHED WITH A MAGNESIUM FLOAT FINISH UNLESS DIRECTED OTHERWISE BY THE CITY.
3. EXPANSION JOINTS TO BE PLACED BETWEEN ADJACENT SLABS, AT BUILDING LINE, AT CURBS, OR AT PENETRATING STRUCTURES.
4. UNLESS OTHERWISE NOTED, ALL ITEMS ASSOCIATED WITH SIDEWALK INSTALLATION SHALL BE PAID FOR UNDER ITEM 608.0101

2 CONCRETE SIDEWALK

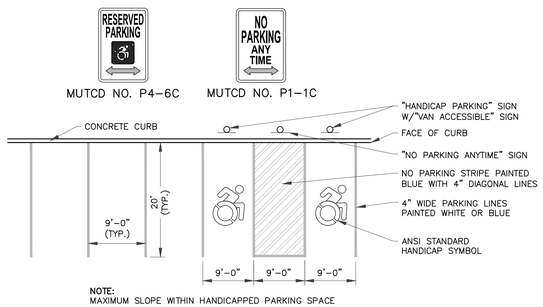
SCALE: NTS



NOTE: ALL RETAINING WALL DESIGNS SHALL BE PROVIDED BY THE RETAINING WALL MANUFACTURER AND SHALL BE CERTIFIED BY A LICENSED GEOTECHNICAL ENGINEER. COPIES OF ALL DESIGNS SHALL BE SUBMITTED TO THE PROJECT DESIGN ENGINEER AND THE TOWN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

3 TYPICAL REDI-ROCK RETAINING WALL (OR APPROVED EQUAL)

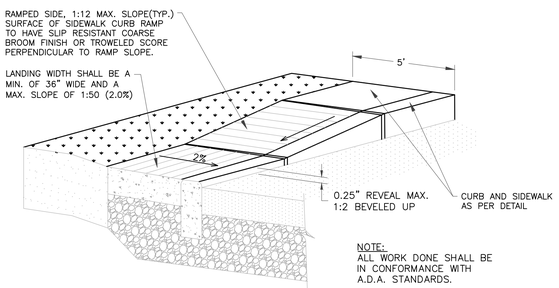
SCALE: NTS



NOTE:
MAXIMUM SLOPE WITHIN HANDICAPPED PARKING SPACE AND/OR STRIPED AISLE SHALL NOT EXCEED 1:50 (2%)

4 TYPICAL PARKING SPACE LAYOUT

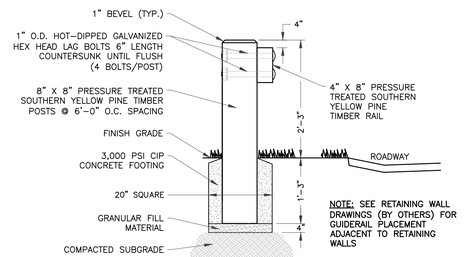
SCALE: NTS



NOTE:
ALL WORK DONE SHALL BE IN CONFORMANCE WITH A.D.A. STANDARDS.

5 TYPICAL CURB RAMP SECTION

SCALE: NTS



NOTE: SEE RETAINING WALL DRAWINGS (BY OTHERS) FOR GUIDERAIL PLACEMENT ADJACENT TO RETAINING WALLS

6 TIMBER GUIDERAIL

SCALE: NTS

PRELIMINARY / NOT FOR CONSTRUCTION

DATE	REVISIONS RECORD/DESCRIPTION
12/30/2020	GENERAL REVISIONS

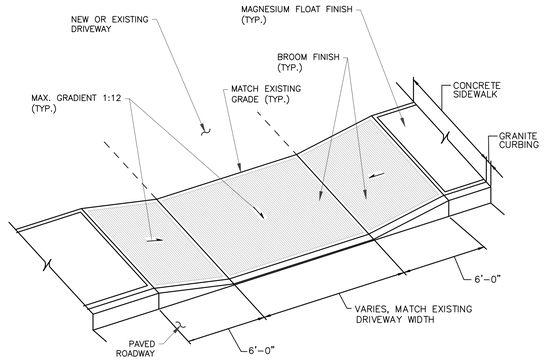
LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

LANSING ENGINEERING
2456 ESTATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-2243

MISCELLANEOUS DETAILS (1 OF 2)

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

DT-2
SHEET 8 OF 12

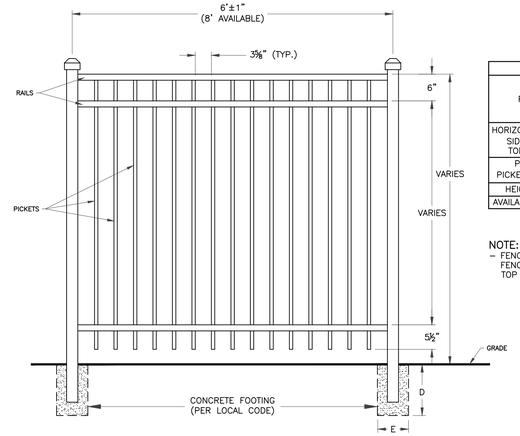


NOTE:

1. CURB REVEALS SHALL BE 1/2" MAX. WHERE RAMP MEETS PAVEMENT AT ROADWAY.
2. SIDEWALK SHALL BE INSTALLED FLUSH WITH EXISTING DRIVEWAY.
3. SIDEWALK SHALL BE 6" THICK AT DRIVEWAY APRONS.
4. SEE STANDARD SIDEWALK DETAIL FOR SIDEWALK INSTALLATION.

1 DRIVEWAY/SIDEWALK DROP CURB DETAIL

SCALE: NTS

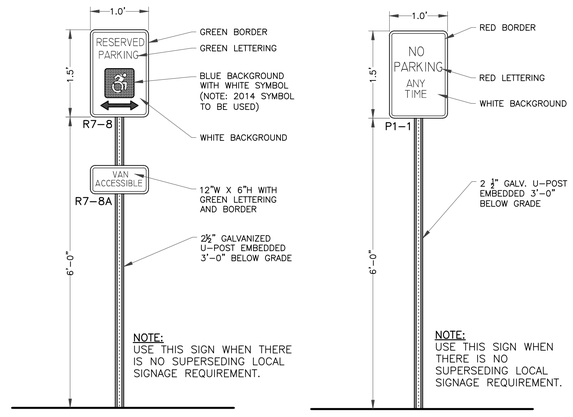


FENCE SPECIFICATIONS	
POSTS	2"x2"x0.080 WALL 2"x2"x0.125 WALL 2½"x2½"x0.100 WALL 3"x3"x0.125 WALL
HORIZONTAL RAILS	1⅜"x1¼"
SIDE WALLS	0.088"
TOP WALLS	0.065"
PICKETS	¾"x¾"x0.055 WALL
PICKET SPACING	3⅝"
HEIGHT (HT)	VARIES
AVAILABLE WIDTHS	6 & 8 FT.

NOTE:
- FENCE TO BE MANUFACTURED BY ULTRA FENCING-RAILING, MODEL UAF-200 FLAT TOP OR APPROVED EQUAL.

2 DECORATIVE FENCE DETAIL

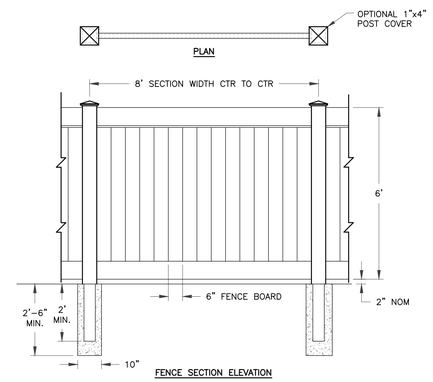
SCALE: NTS



SIGN TO BE PLACED IN FRONT OF PARKING SPACE

3 A.D.A ACCESSIBLE PARKING AND ACCESS AISLE SIGNAGE

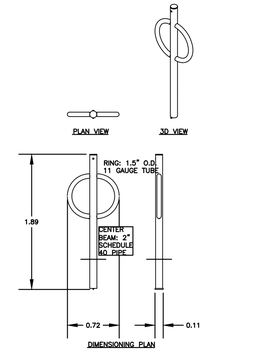
SCALE: NTS



FENCE SECTION ELEVATION

4 VINYL PRIVACY FENCE DETAIL

SCALE: NTS



DIMENSIONING PLAN

GENERAL NOTES:

1. BIKE HITCH TO BE SPECIFIED AS DERO BIKE HITCH OR OWNER APPROVED EQUIVALANT
2. FINISH TO BE BLACK.
3. MANUFACTURER TO BE:
   DERO BIKE RACK CO.,
   2857 32ND AVENUE S,
   MINNEAPOLIS, MN 55406,
   1-888-337-6729,
   FAX: 612-331-2731
   WEBSITE: WWW.DERO.COM
4. IN-GROUND MOUNT INSTALLATION AND REQUIRED SETBACKS SHALL BE PER MANUFACTURER'S SPECIFICATIONS

5 BIKE RACK

SCALE: NTS

PRELIMINARY / NOT FOR CONSTRUCTION

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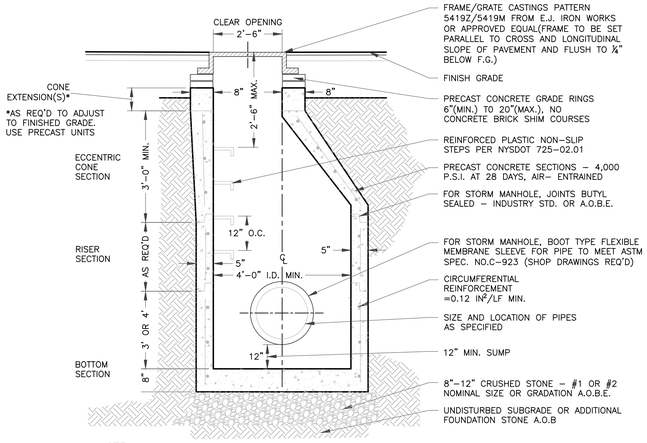
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

LANSING ENGINEERING
2456 STATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-9243

MISCELLANEOUS DETAILS (2 OF 2)

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

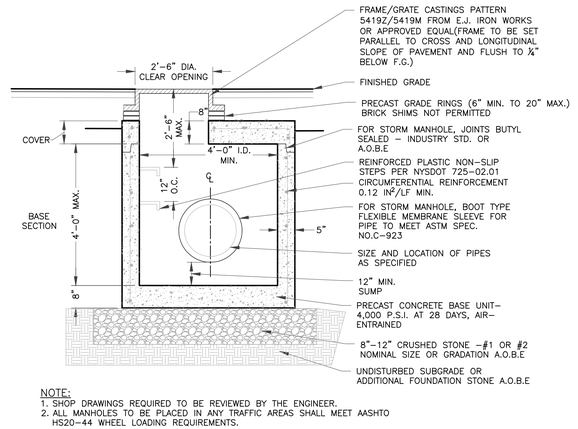
DT-3
SHEET 9 OF 12



NOTE:
1. SHOP DRAWINGS REQUIRED TO BE REVIEWED BY THE ENGINEER.
2. ALL MANHOLES TO BE PLACED IN ANY TRAFFIC AREAS SHALL MEET AASHTO HS20-44 WHEEL LOADING REQUIREMENTS.
3. **FOUNDATION DRAIN LATERALS:** TO BE 4" SDR 35 PVC AT A MIN. SLOPE OF 1.00%. THE CROWN OF THE FOUNDATION DRAINS SHALL MATCH THE CROWN OF THE HIGHEST PIPE WITHIN THE CATCH BASIN STRUCTURE. FOUNDATION DRAINS TO EXTEND 5' MIN. PAST PROPERTY LINE OF LOT SERVICED.

1 PRECAST CONCRETE MANHOLE - 5' DEEP AND OVER

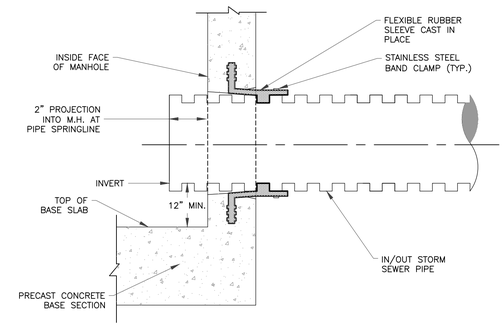
SCALE: NTS



NOTE:
1. SHOP DRAWINGS REQUIRED TO BE REVIEWED BY THE ENGINEER.
2. ALL MANHOLES TO BE PLACED IN ANY TRAFFIC AREAS SHALL MEET AASHTO HS20-44 WHEEL LOADING REQUIREMENTS.

2 PRECAST CONCRETE MANHOLE - UNDER 5' DEEP

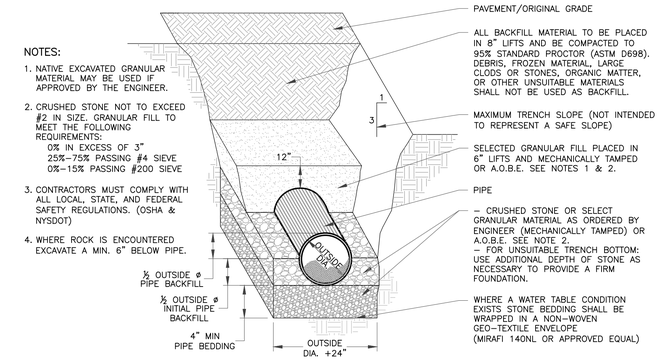
SCALE: NTS



3 HDPE PIPE TO STRUCTURE: BOOTED JOINT

SCALE: NTS

NOTES:
1. NATIVE EXCAVATED GRANULAR MATERIAL MAY BE USED IF APPROVED BY THE ENGINEER.
2. CRUSHED STONE NOT TO EXCEED #2 IN SIZE. GRANULAR FILL TO MEET THE FOLLOWING REQUIREMENTS:
   - 0% IN EXCESS OF 3"
   - 25%-75% PASSING #4 SIEVE
   - 0%-15% PASSING #200 SIEVE
3. CONTRACTORS MUST COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS. (OSHA & NYSDOT)
4. WHERE ROCK IS ENCOUNTERED EXCAVATE A MIN. 6" BELOW PIPE.



4 TYPICAL TRENCH DETAIL FOR CORRUGATED HDPE PIPE

SCALE: NTS

LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

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2456 ESTATE ROUTE 9, SUITE 301
MALTA, NY 12020
(518) 899-2243

STORM DETAILS

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

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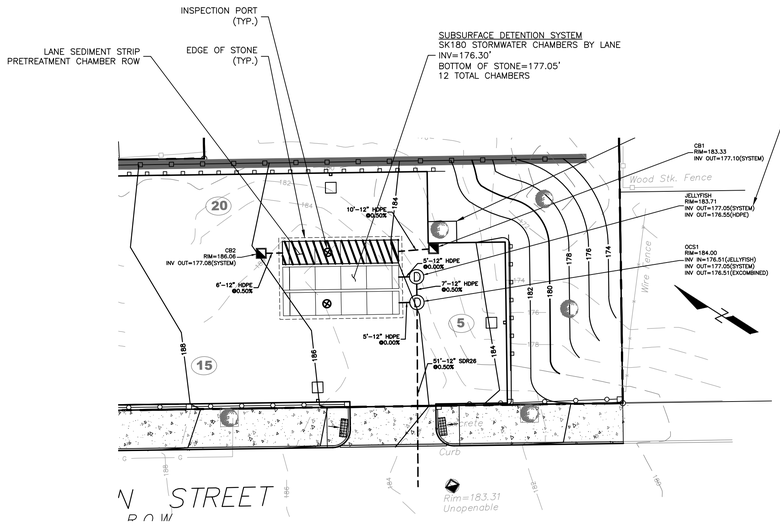
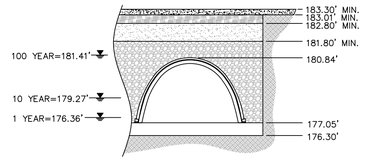
SHEET 10 OF 12



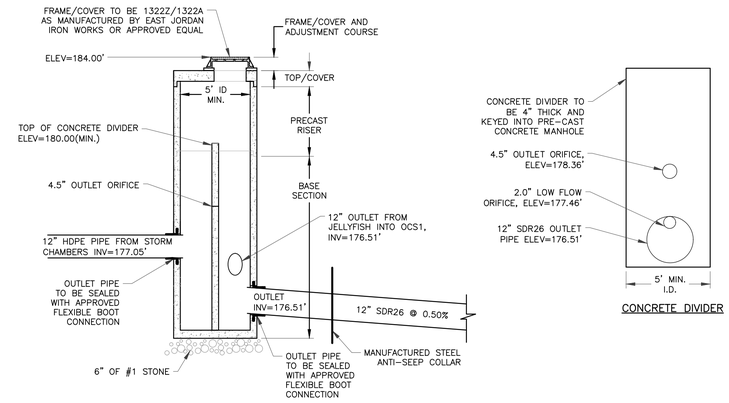


CHAMBER SECTION ELEVATIONS

1 SUBSURFACE DETENTION SYSTEM

0 5 10 20

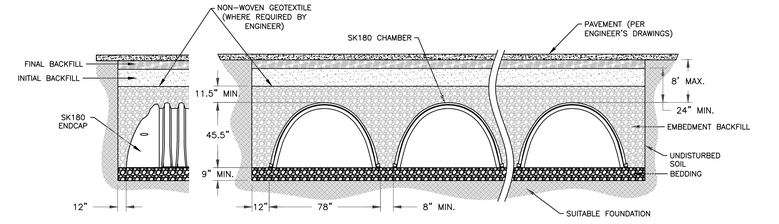
SCALE: 1"=10'



CONCRETE DIVIDER

2 SUBSURFACE SYSTEM OUTLET STRUCTURE (OCS1)

SCALE: NTS

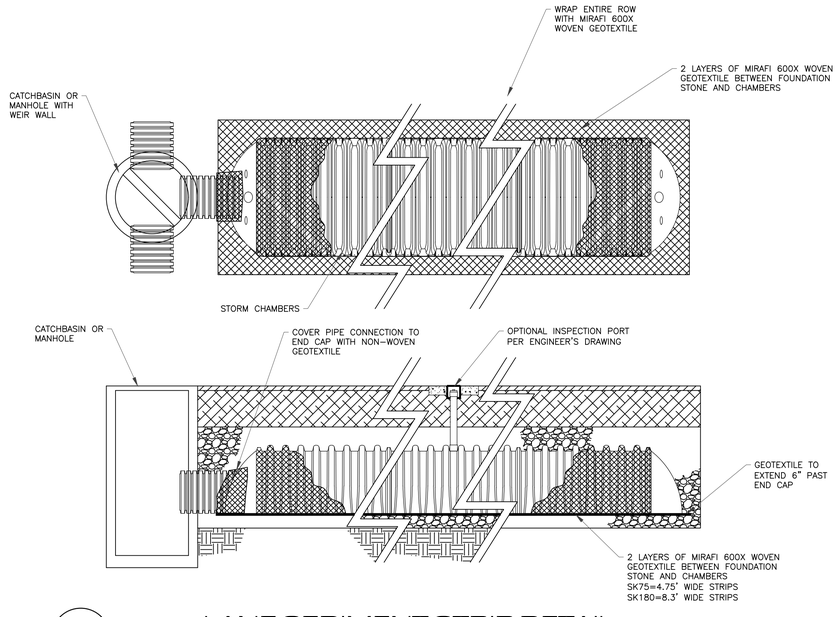


NOTES:

1. CHAMBER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST INSTALLATION GUIDELINES.
2. FOUNDATION: TRENCH BOTTOMS WITH UNSTABLE OR UNYIELDING MATERIAL SHALL BE EXCAVATED TO A DEPTH DIRECTED BY THE ENGINEER AND REPLACED WITH SUITABLE MATERIAL. FOR UNSTABLE MATERIALS, GEOTEXTILE MAY BE USED TO STABILIZE THE TRENCH BOTTOM, IF DIRECTED BY THE ENGINEER. THE DESIGN ENGINEER IS RESPONSIBLE FOR VERIFYING FOUNDATION SUITABILITY.
3. GEOTEXTILE: A 6oz NON-WOVEN GEOTEXTILE FILTER FABRIC SHOULD BE USED TO PREVENT NATIVE SOIL FROM MIGRATING INTO THE INITIAL BACKFILL MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE A ¾"-2" CLEAN, CRUSHED ANGULAR STONE, OR AASHTO M43 SIZES (3, 357, 4, 467, 5, 56, 57) WITH CLEAN, CRUSHED, ANGULAR STONE ADDED TO THE GRADATION, e.g., CLEAN, CRUSHED, ANGULAR #3 (AASHTO M43) STONE. MINIMUM BEDDING THICKNESS SHALL BE 9 INCHES. COMPACTION SHOULD BE DONE IN LIFTS OF NO MORE THAN 9 INCHES TO A DENSITY OF 95% STANDARD PROCTOR DENSITY.
5. EMBEDMENT BACKFILL: SUITABLE MATERIAL SHALL BE A ¾"-2" CLEAN, CRUSHED ANGULAR STONE, OR AASHTO M43 SIZES (3, 357, 4, 467, 5, 56, 57) WITH CLEAN, CRUSHED, ANGULAR STONE ADDED TO THE GRADATION, e.g., CLEAN, CRUSHED, ANGULAR #3 (AASHTO M43) STONE. MINIMUM BEDDING THICKNESS SHALL BE 9 INCHES. EMBEDMENT BACKFILL SHALL EXTEND FROM TOP OF BEDDING TO NOT LESS THAN 1½" INCHES ABOVE THE TOP OF THE CHAMBER. NO COMPACTION IS REQUIRED BUT AN EFFORT SHOULD BE MADE TO HAND KNIFE STONE INTO ALL CORRUGATIONS.
6. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE A GRANULAR, WELL GRADED SOIL WITH LESS THAN 35% FINES OR AASHTO M43 SIZES (3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10) WITH CLEAN, CRUSHED, ANGULAR STONE ADDED TO THE GRADATION. INITIAL BACKFILL SHALL EXTEND FROM TOP OF EMBEDMENT BACKFILL TO NOT LESS THAN 24" ABOVE THE TOP OF THE CHAMBER. COMPACTION SHOULD BE BROUGHT TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
7. FINAL BACKFILL: SUITABLE MATERIALS SHALL BE ANY SOIL DIRECTED BY THE ENGINEER. FINAL BACKFILL SHALL EXTEND FROM TOP OF INITIAL BACKFILL TO NO MORE THAN 8' ABOVE THE TOP OF THE CHAMBER. COMPACTION LEVELS SHOULD FOLLOW ENGINEERS RECOMMENDATIONS.
8. MINIMUM COVER: **FOR UP TO H-25 TRAFFIC APPLICATIONS A MINIMUM COVER OF 24" IS REQUIRED,** MEASURED FROM THE TOP OF THE CHAMBER TO THE BOTTOM OF THE FLEXIBLE PAVEMENT. ADDITIONAL COVER MAY BE REQUIRED FOR CONSTRUCTION LOADS OR WHERE RUTTING MAY TAKE PLACE.
9. MAXIMUM COVER: A COVER HEIGHT OF OVER 8" IS NOT RECOMMENDED. COVER HEIGHT IS MEASURED FROM THE TOP OF THE CHAMBER TO THE TOP OF THE PAVEMENT.

3 STORMKEEPER SK180 CHAMBERS

SCALE: NTS



4 LANE SEDIMENT STRIP DETAIL

SCALE: NTS

LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

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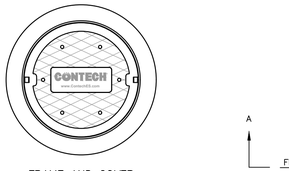
LANSING ENGINEERING
2482 STATE ROUTE 9, SUITE 201
MALTA, NY 12020
(518) 899-2243

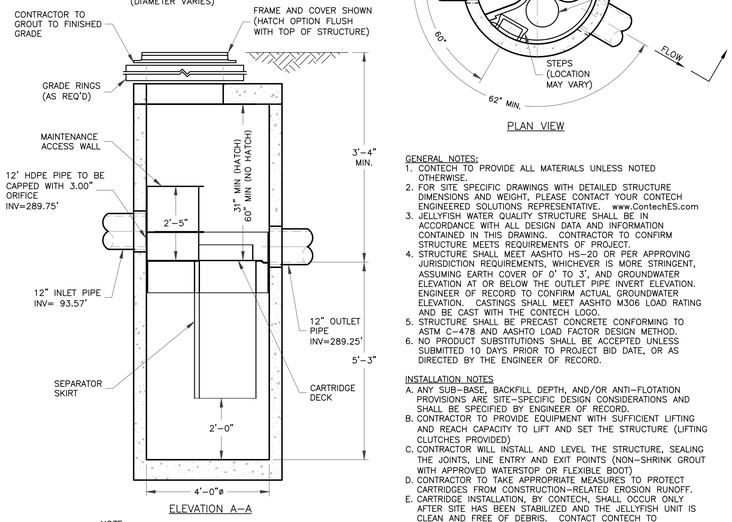
STORMWATER BASIN DETAILS (1 OF 2)

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

DT-5
SHEET 11 OF 12



FRAME AND COVER
(DIAMETER VARIES)



ELEVATION A–A

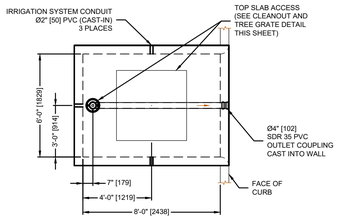
PLAN VIEW

NOTE:
JELLYFISH JF4 BY CONTECH, WITH TWO 15" CARTRIDGES
TREATMENT CAPACITY = 0.05 CFS PER CARTRIDGE
90% WATER QUALITY DESIGN STORM = 0.07 CFS

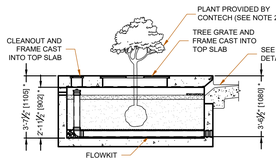
GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. www.ContechES.com
3. JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS–20 OR PER APPROVING JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0' TO 3', AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
5. STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C–478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

INSTALLATION NOTES
A. ANY SUB–BASE, BACKFILL DEPTH, AND/OR ANTI–FLOTATION PROVISIONS ARE SITE–SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE (LIFTING CLUTCHES PROVIDED)
C. CONTRACTOR WILL INSTALL AND LEVEL THE STRUCTURE, SEALING THE JOINTS, LINE ENTRY AND EXIT POINTS (NON–SHRINK GROUT WITH APPROVED WATERSTOP OR FLEXIBLE BOOT)
D. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION–RELATED EROSION RUNOFF.
E. CARTRIDGE INSTALLATION, BY CONTECH, SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE JELLYFISH UNIT IS CLEAN AND FREE OF DEBRIS. CONTACT CONTECH TO COORDINATE CARTRIDGE INSTALLATION WITH SITE STABILIZATION AT (866) 740–3318.

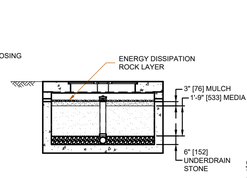
1 JELLYFISH JF4-1-1 FILTER DETAIL
SCALE: N.T.S.



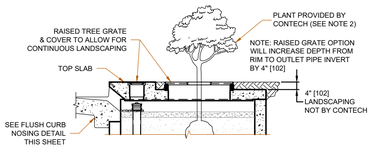
PLAN VIEW



SECTION A-A



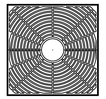
SECTION B-B



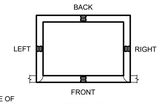
OPTIONAL RECESSED TOP SLAB DETAIL
(TYPICAL TOP SLAB DETAIL SHOWN IN SECTION B-B)

FILTERRA DESIGN NOTES
THE FILTERRA TREATMENT CAPACITY IS DETERMINED BY THE TREATMENT RATE OF THE FILTERRA MEDIA. A SEPARATE INLET STRUCTURE MUST BE INSTALLED DOWNSTREAM OF THE OFFLINE FILTERRA TO CONVEY FLOWS IN EXCESS OF THE SYSTEM DESIGN CAPACITY. SEE THE FILTERRA DESIGN, OPERATION, AND PERFORMANCE GUIDE FOR MORE INFORMATION.

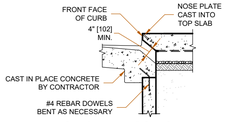
Ø7" x 8" [178 x 203] CLEANOUT
(ACTUAL PRODUCT MAY VARY)
N.T.S.



48" x 48" [1219 x 1219] TREE GRATE
(ACTUAL PRODUCT MAY VARY)
N.T.S.



OUTLET PIPE ORIENTATION OPTIONS
ORIENTATION REFERENCE IS INLET THROAT



FLUSH CURB NOSING DETAIL
(OTHER CURB NOSING OPTIONS MAY BE AVAILABLE)

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID			*
SYSTEM TREATMENT CAPACITY (CFS / l/s)			*
WATER QUALITY FLOW RATE (CFS / l/s)			*
PEAK FLOW RATE (CFS / l/s)			*
RETURN PERIOD OF PEAK FLOW (YRS)			*
REQUIRED MEDIA INFILTRATION RATE			*
PIPE DATA:	I.E.	MATERIAL	DIAMETER
OUTLET PIPE	*	SDR 35 PVC	6"
CURB OPENING ORIENTATION			*
TOP OF CURB ELEVATION			*
ANTI-FLOTATION BALLAST IF REQUIRED		WIDTH *	HEIGHT *
NOTES/SPECIAL REQUIREMENTS:			

* PER ENGINEER OF RECORD

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. PLANT, MULCH, AND DISSIPATION ROCK ARE SUPPLIED BY CONTECH AND DELIVERED AT TIME OF SYSTEM ACTIVATION. PLANT SELECTION SHALL BE DONE BY THE ENGINEER OF RECORD IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
3. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
4. FOR SITE SPECIFIC DRAWINGS WITH DETAILED VAULT DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH REPRESENTATIVE. www.ContechES.com
5. FILTERRA WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
6. STRUCTURE DESIGNED FOR PEDESTRIAN LIVE LOAD WITH H5 (4,000 LBS.) WHEEL LOAD MOUNTING THE CURB AND ADJACENT HS-2 LIVE LOAD SURCHARGE ON THE WALLS OF THE STRUCTURE.
7. FILTERRA STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-857, ASTM C-918, AND ACI-318 LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE FILTERRA VAULT (LIFTING CLUTCHES PROVIDED). SPREADER BAR WITH SUFFICIENT CABLE IS REQUIRED FOR SAFETY AND REDUCTION OF DAMAGE TO CONCRETE STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL VAULT SECTIONS AND ASSEMBLE VAULT.
D. CONTRACTOR TO PROVIDE AND INSTALL OUTLET PIPE. PVC COUPLING CAST-IN TO WALL FOR OUTLET PIPE CONNECTION.
E. CONTRACTOR TO SUPPLY AND INSTALL INLET PROTECTION BAR IF REQUIRED BY LOCAL JURISDICTION.
F. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT FILTERRA MEDIA BAY FROM CONSTRUCTION-RELATED EROSION RUNOFF.
G. CONTECH IS RESPONSIBLE FOR ACTIVATION OF THE SYSTEM AND PLANTING OF THE PLANT THAT IS SPECIFIED. ACTIVATION ONLY OCCURS WHEN THE SITE IS FULLY STABILIZED, FINAL PAVEMENT INSTALLED AND SWEPT CLEAN OF CONSTRUCTION SEDIMENT.
H. ALL FILTERRA UNITS MUST BE WATERED BY IRRIGATION LINES OR SPRINKLER SYSTEMS ON A REGULAR BASIS. EACH FILTERRA UNIT INCLUDES IRRIGATION HOLES FOR NEW OR EXISTING IRRIGATION LINES.

2 FILTERRA DETAIL
SCALE: N.T.S.

PRELIMINARY / NOT FOR CONSTRUCTION

LEGAL AID SOCIETY - PARKING EXPANSION
SHERMAN STREET, CITY OF ALBANY, ALBANY COUNTY, NEW YORK

DATE	REVISIONS RECORD /DESCRIPTION
12/30/2020	GENERAL REVISIONS

LANSING ENGINEERING
2482 STATE ROUTE 9, SUITE 201
MALTA, NY 12020
(518) 899-2043

STORMWATER BASIN DETAILS (2 OF 2)

PROJ. NO: 890.00
SCALE: AS SHOWN
DATE: 8/4/2020

DT–6
SHEET 12 OF 12