BANGOR SAVINGS BANK

SITE ENGINEER NOBIS GROUP. - CONCORD, NH ARCHITECT TAC ARCHITECTURAL GROUP INC - BANGOR, ME SURVEYOR RICHARD D. BARTLETT & ASSOCIATES- CONCORD, NH LANDSCAPE ARCHITECT WARRENSTREET- CONCORD, NH SITE LIGHTING VISIBLE LIGHT - HAMPTON, NH TRAFFIC ENGINEER GPI - BEDFORD, NH

46 CRYSTAL AVE DERRY, NH



NOVEMBER 7, 2023 REVISED DECEMBER 15, 2023 REVISED JANUARY 3, 2024



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NOBIS PROJECT NO. 96280.02

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GENERAL NOTES:

CONFLICT

2023 PREPARED BY NOBIS GROUP.

- DRAIN MANHOLE
- CATCH BASIN
- UTILITY POLE
- PAD MOUNTED TRANSFORMER
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN-OUT
- HYDRANT
- WATER VALVE
- WATER SHUT OFF
- WATER SUPPLY WELL
- GAS SHUT OFF
- GAS METER
- SPOT GRADE
- CURB SPOT GRADE
- SIGN POST
- LIGHT POLE
- TREE
- CONCRETE
- GRAVEL
- RIP RAP
- WETLAND
- WETLAND IMPACT
- FLOW DIRECTION
- STONE CHECK DAM
- INLET PROTECTION
- SLOPE & DIRECTION
- TEST PIT LOCATION
- BORING LOCATION
- MONITORING WELL LOCATION
- PERC. TEST LOCATION
- PHOTO LOCATION / DIRECTION
- MANHOLE
- TELECOM MANHOLE
- ELECTRIC MANHOLE
- STEEP SLOPE

- CONSTRUCTION SEQUENCE:
- 1. CONSTRUCT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY EARTH MOVING OPERATIONS. INSPECT EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND WITHIN 24 HOURS OF ANY SIGNIFICANT RAINFALL EVENT (1/2" OF RAIN OR MORE). PERFORM ANY NEEDED MAINTENANCE AND STABILIZATION AS NEEDED.

1. THESE DRAWINGS SHOULD BE REVIEWED IN CONJUNCTION WITH THE ACCOMPANYING DESIGN REPORT TITLED

"STORMWATER MANAGEMENT REPORT FOR BANGOR SAVINGS BANK, CRYSTAL AVE, DERRY, NH" DATED NOVEMBER 7,

2. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES

3. THESE DRAWINGS AND ACCOMPANYING TEXT HAVE BEEN PREPARED FOR BANGOR SAVINGS BANK, FOR REVIEW BY THE

DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "LOT LINE ADJUSTMENT PLAT LANDS OF BLUEFIN

HOLDINGS AND BANGOR SAVINGS BANK", DATED SEPTEMBER 2, 2022, BY RICHARD D. BARTLETT & ASSOCIATES, LLC.

TOWN OF DERRY PLANNING BOARD, CODE ENFORCEMENT, GENERAL SERVICES, POLICE, AND FIRE DEPARTMENTS.

DETAILS (LATEST EDITION), AND TOWN STANDARDS SHALL TAKE PRECEDENCE IN CASE OF ANY DETAILS OR PLANS IN

4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF DERRYS CONSTRUCTION STANDARDS AND

- 2. DISTURBANCES OF AREAS SHALL BE MINIMIZED. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON. AREAS WHICH WILL NOT BE PERMANENTLY SEEDED WITHIN TWO WEEKS OF DISTURBANCE SHALL BE TEMPORARILY SEEDED AND MULCHED. ALL AREAS SHALL BE STABILIZED WITH SEED MULCH AND TACKIFIER WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE AND PRIOR TO THE END OF THE GROWING SEASON.
- 3. PERFORM DEMOLITION OF EXISTING SITE FEATURES AS SHOWN ON DEMOLITION PLAN.
- 4. PERFORM CLEARING AND GRUBBING TO LIMITS SHOWN ON DEMOLITION PLAN.
- 5. EXCAVATE AND GRADE, THEN INSTALL LOAM, SEED, AND EROSION CONTROL MATTING TO STABILIZE DETENTION POND AND TREATMENT SWALES.
- 6. REMOVE AND TEMPORARILY STOCKPILE LOAM AND TOPSOIL FOR REUSE, IF NEEDED, ON SITE. SEED AND/OR MULCH STOCKPILES AND ENCIRCLE WITH SILT FENCE.
- 7. CONDUCT ALL UNDERGROUND UTILITY STRUCTURE AND PIPING INSTALLATION, BACKFILL, AND COMPACTING.
- 8. CONSTRUCT BUILDING FOUNDATION.
- 9. PLACE AND COMPACT NEW GRAVEL COURSES IN THE PARKING, LOADING, SIDEWALK, AND GRAVEL ACCESS DRIVE AREAS.
- 10. PLACE, GRADE, AND STABILIZE DISTURBED AREAS WITH TEMPORARY SEEDING AND MULCHING.
- 11.BEGIN CONSTRUCTION OF BUILDING AND REMAINING SITE WORK.
- 12. PLACE PAVEMENT COURSES, SIDEWALKS, AND CURBING.
- 13. ALL CUT AND FILL SLOPES SHALL BE STABILIZED, LOAMED, SEEDED, AND MULCHED.
- 14. COMPLETE PERMANENT SEEDING AND LANDSCAPING IN ACCORDANCE WITH THE LANDSCAPE DESIGN AND DETAILS.
- 15. SWEEP COMPLETED PAVEMENT AND CLEAN OUT CATCH BASINS AND DRAINAGE PIPES DURING CONSTRUCTION CLOSE-OUT PROCEDURES. PROPERLY DISPOSE OF COLLECTED SEDIMENT AND DEBRIS.
- 16. REMOVE TEMPORARY EROSION CONTROL MEASURES AND PROPERLY DISPOSE OF FOLLOWING CONSTRUCTION AND ONCE FULL GROUND COVER HAS BEEN ESTABLISHED.

nobis Nobis Group® 18 Chenell Drive Concord, NH 03301 T(603) 224-4182 www.nobis-group.com NADEAU No. 9294 1/3/2024 NOT ISSUED FOR CONSTRUCTION **BANGOR SAVINGS** BANK 46 CRYSTAL AVENUE DERRY, NH TAX MAP 31 LOTS 071 & 072 OWNER: BANGOR SAVINGS BANK **APPLICANT: BANGOR** A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; SAVINGS BANK /1 | 12/15/2023 | TRC COMMENTS NO. DATE DESCRIPTION REVISIONS SCALE: EROSION CONTROL SEED MIX SEED BY % MASS % GERMINATION (MIN.) AS NOTED WINTER RYE 80 (MIN.) 80 (MIN.) RED FESCUE (CREEPING) 4 (MIN.) PERENNIAL RYE GRASS 3 (MIN.) RED CLOVER MIN NOVEMBER 7, 2023 DATE: OTHER CROP GRASS 0.5 (MAX.) NOBIS PROJECT NO. 96280.02 0.5 (MAX.) INERT MATTER 0 (MAX. DRAWN BY: MGD PERMANENT SEED MIX CHECKED BY: JCN SEED % GERMINATION (MIN BY % MASS CAD DRAWING FILE: **RED FESCUE (CREEPING)** 96280.02-C-005-NOTES & LEGEND.dwg SHEET TITLE GENERAL NOTES AND LEGEND SHEET

- CONSTRUCTION.

EROSION CONTROL NOTES: CATCH BASINS: CARE SHOULD BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER CATCH BASINS DURING EXCAVATION FOR PIPE TRENCHES, DITCHES AND SWALES. THE CONTRACTOR SHOULD PLACE NON-WOVEN GEOTEXTILE FABRIC FOR INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE, WHICH ARE SUBJECT TO SEDIMENT CONTAMINATION. PLACE INLET PROTECTION DEVICES, IN CATCH BASINS AND MAINTAIN UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SURROUNDING AREAS ARE WELL VEGETATED. SEDIMENT TRAPS AND/OR BASINS SHOULD BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL BASINS/PONDS ARE STABILIZED. ALL SWALES AND PONDS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF INTO THEM. SCHEDULE OF WORK THIS WORK IS ANTICIPATED TO BEGIN IN THE SPRING 2024 WITH A FINAL COMPLETION DATE IN FALL 2024. NO WINTER EARTH DISTURBANCE IS EXPECTED FOR THIS PROJECT. SHOULD WINTER WORK BE REQUIRED, THIS PLAN AND THE ACCOMPANYING STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MODIFIED ACCORDINGLY. ADEQUATE MEASURES SHOULD BE TAKEN TO MINIMIZE AIR BORNE DUST PARTICLES ARISING FROM SOIL DISTURBANCE AND * DISTURBANCE OF AREAS SHOULD BE MINIMIZED AND NOT EXCEED 100,000 SQUARE FEET IN AREA AT ANY ONE TIME. * NO DISTURBED AREA SHOULD BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON. * PERMANENT EROSION CONTROL FEATURES SHOULD BE INCORPORATED INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME, AS SPECIFIED ON THE CONTRACT PLANS. * WITHIN 14 DAYS OF COMPLETING WORK IN AN AREA, AND PRIOR TO ANTICIPATED RAIN EVENTS, APPLY HAY/STRAW MULCH AND TACKIFIER ON ALL DISTURBED SOIL AREAS. APPLICATION RATES OF 2 TONS OF STRAW OR HAY PER ACRE SHOULD BE USED TO PREVENT EROSION UNTIL VEGETATIVE COVER CAN BE ESTABLISHED. ALTERNATIVELY, APPLY WOOD CHIPS OR GROUND BARK MULCH 2 TO 6 INCHES DEEP AT A RATE OF 10 TO 20 TONS PER ACRE. * WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATION SHOULD BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATION AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER. * AS WORK PROGRESSES, PATCH SEEDING AND MULCHING SHOULD BE DONE AS REQUIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER. * REMOVE ACCUMULATED SEDIMENTS AND DEBRIS WHEN SEDIMENT CONTAINMENT DEVICES REACH 33% CAPACITY. EROSION CONTROL IMPLEMENTATION SCHEDULE THE FOLLOWING GENERAL SCHEDULE IDENTIFIES THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT MEASURES THAT ARE TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION: * PERFORM LIMITED GRUBBING, STRIPPING AND SITE GRADING ONLY AS NEEDED TO COMPLETE IMMEDIATE WORK GOALS. * BLOCK STORM WATER FLOW AS NECESSARY TO INSTALL ALL STORM WATER STRUCTURES IN THE DRY. * INSTALL PERMANENT STORM DRAIN SYSTEM. * INSTALL TEMPORARY SOIL STABILIZATION MEASURE INCLUDING SEED, MULCH, FERTILIZER, MATTING, ETC. * REDIRECT FLOWS INTO FINISHED STRUCTURES PRIOR TO FILL OPERATIONS. * PLACE HUMUS AND CONDUCT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND. TEMPORARY STABILIZATION EROSION CONTROL MEASURES SHALL BE IMPLEMENTED, AS WRITTEN HEREIN AND AS DEPICTED ON THE ACCOMPANYING PLAN, FROM THE COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS COMPLETE: TEMPORARY GRADING: TEMPORARY GRADING DURING CONSTRUCTION SHOULD BE PERFORMED IN SUCH A MANNER TO FACILITATE MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE OR ELIMINATE STORMWATER RUNOFF FROM THE SITE. MULCH: MULCHING WITH LOOSE HAY OR STRAW, AT A RATE OF 2 TONS PER ACRE, SHALL BE DONE IMMEDIATELY AFTER EACH AREA HAS BEEN FINAL GRADED. WHEN SEED FOR EROSION CONTROL IS SOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDED AREAS WITHIN 48 HOURS AFTER SEEDING. TACKIFIER: PLACEMENT OF SOIL TACKIFIER HAS PROVEN TO BE AN EFFECTIVE METHOD OF PREVENTING SOIL AND ADHERING MULCH IN PLACE. THE PLACEMENT OF A SOIL TACKIFIER SHOULD BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND SHOULD BE REAPPLIED AS NECESSARY TO CONTROL AIR BORN DUST AND SOIL, AND MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED. <u>ROAD CLEANING</u>: THE CONTRACTOR SHALL SWEEP ROADS DAILY, OR AS NEEDED TO MAINTAIN CLEAN PAVED SURFACES AT ALL CONSTRUCTION ACCESS/EGRESS POINTS. DUST CONTROL: THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED TO PREVENT AIRBORNE DUST PARTICLES FROM LEAVING THE SITE. DUST CONTROL MEASURES SHALL CONSIST OF USE OF A WATER TRUCK EQUIPPED WITH A SPRAY-BAR THAT DISSIPATES THE WATER EVENLY OVER THE SURFACE. PERMANENT STABILIZATION: GRASS, TREES, SHRUBS AND MULCHED PLANTING BEDS WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE DRAWINGS TO STABILIZE AREAS NOT WITHIN THE PARKING LOT/BUILDING FOOTPRINT. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL FOR ONE YEAR AFTER COMPLETION. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED: 1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; 2. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED: 4. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED. ALL ROADWAYS/PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. CONSTRUCTION SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES. EXCAVATION DEWATERING SHOULD EXCAVATION DEWATERING BE REQUIRED, THE CONTRACTOR MUST INSURE THAT ANY EXCAVATION DEWATERING DISCHARGES ARE NOT CONTAMINATED. NOTE: THE WATER IS CONSIDERED UNCONTAMINATED IF THERE IS NO GROUNDWATER CONTAMINATION WITHIN 1,000 FEET OF THE DISCHARGE. THE CONTRACTOR MUST TREAT ANY UNCONTAMINATED EXCAVATION DEWATERING AS NECESSARY TO REMOVE SUSPENDED SOLIDS AND TURBIDITY DURING CONSTRUCTION. THE DISCHARGES MUST BE SAMPLED AT A LOCATION PRIOR TO MIXING WITH STORM WATER OR STREAM FLOW AT LEAST ONCE PER WEEK DURING WEEKS WHEN DISCHARGES OCCUR. THE SAMPLES MUST BE ANALYZED FOR TOTAL SUSPENDED SOLIDS (TSS) AND MUST MEET MONTHLY AVERAGE AND MAXIMUM DAILY TSS LIMITATIONS OF 50 MILLIGRAMS PER LITER (MG/L), RESPECTIVELY. SPECIFICATIONS FOR TEMPORARY AND PERMANENT SEEDING: GRASS SEED MIXES SHALL CONSIST OF THE MIXTURES AS DETAILED IN THE FOLLOWING TABLES, WITH 98% PURITY: NOXIOUS WEED SEED KENTUCKY BLUE PERENNIAL RYE GRASS RED TOP LANDINO CLOVER WINTER CONSTRUCTION NOTES: ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE ELSEWHERE. MULCH REMAINING IN THE SPRING SHALL BE REMOVED AND REPLACED AT RATE OF 2 TONS PER ACRE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND TACKIFIER SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER NHOOT ITEM 304.3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT. **(**]-





MATCH TO SHEET 2

NORTH	MAP 32, LOT 025 C & A PROPERTIES, LLC 79 Winslow, Lane Candia, NH 03034 V. 5911 P. 1349	
) NOT 1. Survey by total station between the	'ES dates of August. 18, & 19 2020. Control
ORID	Traverse error of closure is 1':103,318'. date of August 26 and 31, 2022. 2. Horizontal datum is based on New F	Additional survey performed between the Hampshire State Plane Coordinate System
	NAD 83 based on GPS observations an 3. Vertical datum is based on NAVD 88	d OPUS solutions. 3.
	4. Owners of record: Bangor Savings B 930 Bangor, ME 04402 — Map 31, Lot	ank — Attn: Accounts Payable P.O. Box 072 — V.6205 P. 1972
	Bluefin Holdings, LLC — 44 Crystal Ave Lot 071 — V. 4253 P. 2610	nue Derry, NH 03038 —Map 31,
	5. Parcel is zoned GC-General Commer side 20'. Minimum Lot size w/sewer =3	cial; Building setbacks: front 35', rear and 30,000 sq. ft., Minimum frontage = 125'.
LOT 026	6. The underground utilities depicted he information and plotted from existing of that the underground utilities depicted either in service or abandoned. The sur underground utilities shown are in the located as accurately as possible from has not physically located the underground should notify, in writing, any utility con agencies prior to any excavation work	Preon have been located from field survey frawings. The surveyor makes no guarantee comprise all such utilities in the area, veyor further does not warrant that the exact location indicated although they are the information available. The surveyor bund portion of the utilities. All contractors opany and appropriate governmental and call DIG-SAFE at 811.
al Avenue NH 03038 3 P. 1485	7. The intent of this plat is to depict 072 and Map 31, Lot 071.	a lot line adjustment between Map 31 Lot
₽ (E) > (W)	WETLA 1. A determination that no wetlands ex Crystal Ave, in Derry, NH, was made on #221. This determination was made due hydric soils, and wetland hydrology, in a the Corps of Engineers Wetlands Delinea January 1987, using the current soil ind	ND NOTES st on the 0.44 acre parcel, located at 46 August 5, 2020, by John St. John, CWS to a lack of hydrophytic vegetation, accordance with the techniques outlined in ation Manual, Technical Report Y-87-1, dicators, and plants list.
> (N) > (S) >(W)	REFE	RENCES
	1. "Map 31, Lot 072 Boundary Plat Nest by Promised Land Survey, LLC recorded	le Tollhouse Cafe", dated through 1/11/17: at the RCRD as plan no. B—39936.
	2. NHDOT project TRA B2226, Sheet nur 3. "State of New Hampshire Department 13065 Survey Plans Exit 4A Improvemen Hampshire and the Town of Derry", by F plan no. D-42017.	mber 9 of 63. of Transportation NHDOT Project No. ts Corridor pepared for the State of New Fuss & O'Neill, recorded at the RCRD as
	4. "Tax Map 122 Lot 3167 & 3171 Plan for Anastasios Kalognianis", by T.F. More D-31104.	of Land Crystal Avenue Derry NH prepared an, recorded at the RCRD as plan no.
	5. "Franklin Terrace property of Edmund C.E., recorded at the RCRD as plan no.	M. Warren", dated 1908 by Frank A. Gay, 00251.
7	6. "Lot Consolidation Plan prepared for by Davis, Benoit & Tessier recorded at	D. J. Beane Corp", dated Nov. 16, 1983 the RCRD as plan no. D—12028.
LC 5841	7. "Subdivision of Lot 31—72", dated Au Professional Association, recorded at the	.g. 16, 1985 by Architects Four ∋ RCRD as plan no. D—15624.
2	8. "Plan for Granite State Developers", N. Herbert Associates, Inc. recorded at	dated through September 1986 by Edward the RCRD as plan no. C—15655.
	9. "Boundary plan of land of Willis & Ar Thomas F. Moran, Inc. recorded at the	nette Kennerley", dated Nov. 26, 1986 by RCRD as plan no. C—16179.
	10. "Boundary line agreement lands of L & Harriette B. Webster", dated April 11, at the RCRD as plan no. C-15709.	eonel G. & Priscilla I. Piper and Edgar R. 1986 by Thomas F. Moran, Inc. recorded
GS BANK	11. "Plan of Part of Land of Phillip N. (Spaulding, recorded at the RCRD in V.	Gerardi", dated Aug. 1955 by Ned 1368 P. 230.
NGS, LLC	12. "Plot Plan for Community Builders", recorded at the RCRD as plan no. 0120	dated June 1946, By George C. Benjamin, 8.
OF DERRY	PLANNING BOARD	TIFICATION Y THAT THIS PLAT WAS
	IMMEDIATE SUPER SURVEY CONDUCT HAVING AN URBAN MINIMUM ERROR C 1:10,000	VISION, AND DEPICTS A ED WITH A TOTAL STATION N CLASSIFICATION AND A OF CLOSURE LESS THAN
RPERSON	SIGNATURE	- 859 LICENSE NO.
ETARY		FOR: RICHARD D. BARTLETT
		LOT LINE AJUSTMENT PLAT
	ASSOCIATES, LLC	lands of BLUEFIN HOLDINGS, LLC
	214 North State Street Concord, N.H. 03301 Tel: (603) 225-6770	& BANGOR SAVINGS BANK ROJECT MAP 31, LOTS 071 & 072 DCATION 44 & 46 CRYSTAL AVE. DERRY, AVE.
	info@richarddbartlett.com	GRAPHIC SCALE DATE: SEPT. 2, 2022
┨ ⊻	www.richaradbartlett.com LICENSED LAND SURVEYORS	10' 1" = 20' JOB NO.: 822.206 10' SHEET 1 OF 2



MATCH TO SHEET 1



NOTES: 1. REFER TO SURVEYOR'S PLAN FOR PLAN REFERENCES ADDITIONAL NOTES, EXISTING DRAINAGE AND SANITARY SEWER INVERT INFORMATION. 2. LOCATION AND ELEVATION OF UTILITIES ARE APPROXIMATE ONLY AND ARE BASED ON FIELD MEASUREMENTS OF VISIBLE STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION AND WILL NOTIFY ENGINEER AND OWNER IMMEDIATELY OF ANY CONFLICTS. 3. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE (1-888-DIG-SAFE) AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR WILL COORDINATE WORK WITH THE TOWN FIRE AND POLICE DEPARTMENTS. 4. DEMOLISH STRUCTURES AND SITE FEATURES AS SHOWN HEREON AND REMOVE PAVEMENT TO LIMITS INDICATED. 5. CONTRACTOR IS RESPONSIBLE FOR OFF-SITE DISPOSAL OF CONSTRUCTION DEMOLITION DEBRIS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. 6. CONTRACTOR WILL COORDINATE REMOVAL/RELOCATION OF UNDERGROUND GAS AND OVERHEAD UTILITIES WITH RESPECTIVE UTILITY COMPANIES. 7. ABATEMENT OF HAZARDOUS MATERIALS SUCH AS LEAD PAINT, ASBESTOS, ETC., WILL BE PERFORMED BY A LICENSED CONTRACTOR PRIOR TO COMMENCEMENT OF DEMOLITION. A PRE-DEMOLITON SURVEY WILL BE PERFORMED BY CONTRACTOR PRIOR TO THE START OF DEMOLITION ACTIVITIES TO ENSURE PROPER DEMOLITION AND DISPOSAL PROCEDURES. 8. DEMOLITION SEQUENCING WILL BE AS DIRECTED BY THE PRIME CONTRACTOR AND THE ARCHITECT. 9. FOR AREAS OUTSIDE OF THE PROPOSED BUILDING FOOTPRINT, DEMOLISH ALL EXISTING BUILDINGS AND FOUNDATIONS TO 24" BELOW FINISHED GRADE. CONSULT WITH ENGINEER FOR DEMOLITION REQUIREMENTS FOR AREAS WITHIN THE PROPOSED BUILDING FOOTPRINT. 10. ALL WORK PERFORMED TO CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE MUNICIPAL CONSTRUCTION STANDARDS. 11. REFER TO SHEET G-1 FOR GENERAL NOTES AND LEGEND FOR CONSTRUCTION SEQUENCING NOTES. 12. CONTRACTOR WILL NOTIFY OWNER, ENGINEER, AND ARCHITECT IMMEDIATELY IF SITE CONDITIONS DIFFER FROM WHAT IS SHOWN ON PLAN. 13. CONTRACTOR WILL PROTECT ALL EXISTING UTILITIES WITHIN THE LIMIT OF WORK. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES AND ALL COSTS ASSOCIATED WITH REPLACEMENT OR REPAIR WILL BE BORNE BY THE CONTRACTOR. 14. CONTRACTOR WILL PROTECT ALL SITE FEATURES OUTSIDE LIMIT OF WORK SHOWN HEREON. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO EXISTING SITE FEATURES AND ALL COSTS ASSOCIATED WITH REPLACEMENT OR REPAIR WILL BE BORNE BY THE CONTRACTOR.

15. DEMOLITION/REMOVAL OF EXISTING STORMWATER STRUCTURES AND PIPING WILL BE CONDUCTED DRY CONDITIONS TO THE EXTENT PRACTICAL. INSTALLATION OF NEW STRUCTURES AND PIPE WILL BE CONDUCTED PRIOR TO DEMOLITION TO THE EXTENT PRACTICAL.

16. CONTRACTOR SHALL CONFIRM AND VERIFY THE LOCATION OF THE EXISTING SEWER AND WATER SERVICES AND DETERMINE THE SIZE, TYPE, AND CONDITION. RE-USE EXISTING SERVICE IF SUITABLE, OTHERWISE REMOVE THE WATER SERVICE TO THE CORPORATION SHUT OFF AND REMOVE, CUT, AND CAP THE SEWER SERVICE AT THE PROPERTY LINE.







SHEET

C-2



NOTES:

- 1. REFER TO SURVEYOR'S PLAN FOR BASE PLAN REFERENCES AND ADDITIONAL NOTES.
- 2. ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE SURVEY PLAN AND MUST VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- 3. CONTRACTOR WILL NOTIFY OWNER & ENGINEER IMMEDIATELY IF SITE CONDITIONS DIFFER FROM WHAT IS SHOWN ON PLAN.
- 4. SPOT ELEVATIONS SHOWN AT BUILDING CORNERS ARE PROPOSED GROUND ELEVATIONS.
- 5. FINISH WALK AND CURB ELEVATIONS WILL BE 6" ABOVE FINISH PAVEMENT.
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUNDBREAK.
 LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND ARE BASED ON RECORDS FROM THE UTILITY COMPANIES AND FIELD MEASUREMENTS OF VISIBLE STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION AND WILL NOTIFY ENGINEER AND OWNER
- IMMEDIATELY OF ANY CONFLICTS.
 8. ALL WORK ON SITE, ALL UTILITY WORK AND ALL WORK WITH TOWN R.O.W. WILL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF DERRY SPECIFICATIONS, LATEST
- EDITION.
 9. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE (1-888-DIG-SAFE) AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR WILL COORDINATE WORK WITH THE CITY FIRE, POLICE, AND COMMUNITY DEVELOPMENT DEPARTMENTS.
- ALL STORM DRAIN PIPING WITH LESS THAN 3.0 FEET OF COVER WILL BE OVERLAID WITH 2" THICK RIGID INSULATION FOR THE FULL WIDTH OF PIPE TRENCH.
 REFER TO SHEET G-1 FOR GENERAL NOTES AND LEGEND.

DRAINAGE SCHEDULE

CB1 (4' I.D. STRUCTURE) RIM = 299.3 INV. OUT = 295.3 L= 71 LF - 12" HDPE (TO CB2) S = 0.0071 FT/FT SUMP = 3-FT (292.3')

CB2 (4' I.D. STRUCTURE) RIM = 298.8 INV. IN = 294.8 (FROM CB1) INV. OUT = 294.7 L = 30 LF - 12" HDPE (TO CB3) S = 0.04 FT/FT SUMP = 3-FT (291.7')

CB3 (4' I.D. STRUCTURE) RIM = 297.5 INV. IN = 293.5 (FROM CB2) INV. OUT = 293.4 L = 89 LF - 12" HDPE (TO CB4) S = 0.0056 FT/FT SUMP = 3-FT (290.4')

CB4 (4' I.D. STRUCTURE) RIM = 297.5 INV. IN = 292.9 (FROM CB3) INV. IN = 292.8 L = 22 LF - 12" HDPE (TO DMH1) S = 0.0089 FT/FT SUMP = 3-FT (289.8')

CB5 (4' I.D. STRUCTURE) RIM = 299.0 INV. OUT = 295.0 L = 100 LF - 12" HDPE (TO DMH1) S = 0.0197 FT/FT SUMP = 3-FT (292.0')

DMH1 (4' I.D. STRUCTURE) RIM = 299.0 INV. IN = 292.6 (FROM CB4) INV. IN = 293.0 (FROM CB5) INV. OUT = 292.5 L = 29 LF - 12" HDPE (TO FES1) S = 0.0271 FT/FT SUMP = 3-FT (289.5')

FES1 INV. OUT = 291.7

EX CB 1046 RIM = 284.20 INV. IN = 281.40 (12") INV. OUT = 281.18 (15") L = 11 LF - 15" RCP (TO CB6)* S = 0.025 FT/FT

CB6 (4' I.D. STRUCTURE) RIM = 284.5

INV. IN = 280.9 (FROM EX CB 1046) INV. OUT = 280.8 L = 56 LF - 15" RCP (TO EX OUTLET [INV. OUT = 279.4])*

S = 0.025 FT/FT SUMP = 3-FT (277.8)

*EXISTING 15" RCP PIPE FROM EX CB 1046 AND WITHIN CONCORD AVE IS TO REMAIN AND CONNECT INTO PR CB6.



SHEET C-3









280.02 Bangor Savings Bank Derry, NH\CAD\dwq\96280.02-C-400-UTILITY-P&P.dwg 12/14/2023 1:19 F



80.02 Bangor Savings Bank Derry, NH\CAD\dwg\96280.02-C-320-EROS.dwg 12/14/2023 1:26 PN

NOTES:

- 1. THIS PLAN IS NOT INTENDED TO SHOW PERMANENT DRAINAGE DESIGNS AND TO BE USED FOR TEMPORARY EROSION AND SEDIMENT CONTROL ONLY.
- CONTRACTOR TO GRADE ACTIVE EXCAVATION AREAS TO ALLOW MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE RUNOFF FROM DISTURBED AREAS.
- 3. DISTURBANCES OF AREAS TO BE MINIMIZED. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEK DURING THE GROWING SEASON. AREAS WHICH WILL NOT BE PERMANENTLY SEEDED WITHIN TWO WEEKS OF DISTURBANCE SHALL BE TEMPORARILY SEEDED AND MULCHED. ALL AREAS SHALL BE STABILIZED WITH SEED AND MULCH AND TACKIFIER WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE AND PRIOR TO THE END OF THE GROWING SEASON.
- 4. FOR FURTHER INFORMATION ON BEST MANAGEMENT PRACTICES SEE COMPLETE PLAN SET AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT PREPARED BY NOBIS ENGINEERING, INC., (DATE).
- 5. USE TEMPORARY EROSION AND SEDIMENT CONTROL PRODUCTS THAT EITHER DO NOT CONTAIN NETTING, OR THAT CONTAIN NETTING MANUFACTURED FROM 100% BIODEGRADABLE NON-PLASTIC MATERIALS SUCH AS JUTE, SISAL, OR COIR FIBER. DEGRADABLE, PHOTODEGRADABLE, UV-DEGRADABLE, OXO-DEGRADABLE, OR OXO-BIODEGRADABLE PLASTIC NETTING (INCLUDING POLYPROPYLENE, NYLON, POLYETHYLENE, AND POLYESTER) ARE NOT EQUIVALENT ALTERNATIVES. NETTING USED IN THESE PRODUCTS SHOULD HAVE A LOOSE-WEAVE WILDLIFE-SAFE DESIGN WITH MOVABLE JOINTS BETWEEN THE HORIZONTAL AND VERTICAL TWINES, ALLOWING THE TWINES TO MOVE INDEPENDENTLY AND THUS REDUCING THE POTENTIAL FOR WILDLIFE ENTANGLEMENT.
- AVOID THE USE OF SILT FENCES REINFORCED WITH METAL OR PLASTIC MESH OR IF POSSIBLE RECOMMEND THE USE OF EROSION CONTROL BERMS.
- 7. WHEN NO LONGER REQUIRED, TEMPORARY EROSION AND SEDIMENT CONTROL PRODUCTS SHOULD BE REMOVED PROMPTLY FROM THE PROJECT SITE.
- USE NONWOVEN COIR FABRIC WHEN A SURFACE FABRIC TREATMENT IS REQUIRED FOR EROSION CONTROL AND STABILIZATION, SUCH AS 100% BIODEGRADABLE COCONUT FIBER MAT OR EQUAL AS REVIEWED AND APPROVED BY THE PROJECT DESIGN ENGINEER.
 USE WOVEN COID FARDIO WILLIN OUTE CONDITIONO WARDONT.
- 9. USE WOVEN COIR FABRIC WHEN SITE CONDITIONS WARRANT. THE OUTER LAYER OF WOVEN COIR FABRIC SHOULD BE A HIGH STRENGTH, CONTINUOUSLY WOVEN MAT (I.E., WITHOUT SEAMS) AND MADE OF 100% COCONUT FIBER.
- 10. REFER TO GENERAL NOTES AND LEGEND SHEET FOR ADDITIONAL EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.





30.02 Bangor Savings Bank Derry, NH\CAD\dwg\96280.02-C-700-DETAILS.dwg 12/11/2023 11:2

280.02 Banaor Savinas Bank Derry, NH\CAD\dwa\96280.02-C-700-DETAILS.dwa 12/13/2023 4:55 P

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens per Lamp	LLF
\bigcirc	D	6	Lithonia Lighting	LDN6 30/20 LO6AR LD	6IN LDN Downlight; mounted at 12ft	LED	LDN6_30_20_L O6AR_LD.ies	1771	0.9
< 🗌 🛛	S4	3	Lithonia Lighting	DSX0 LED P1 40K 80CRI TFTM MVOLT SPA DNAXD with SSS 16 4C DM19AS DNAXD	DSX0 LED Area Fixture; mounted at 16ft	LED	DSX0_LED_P1 _40K_80CRI_T FTM.ies	4493	0.9
$\langle \Box \rangle$	W1	4	Lithonia Lighting	WDGE1 LED P1 30K 80CRI VF MVOLT SRM DNAXD	WDGE1 LED Wallpack; mounted at 10ft	LED	WDGE1_LED_P 1_30K_80CRI_ VF.ies	1161	0.9
$\langle \Box$	W3	1	Lithonia Lighting	WDGE2 LED P3 30K 80CRI T3M MVOLT SRM DNAXD	WDGE2 LED Wallpack; mounted at 14ft	LED	WDGE2_LED_P 3_30K_80CRI_ T3M.ies	3063	0.9
	W4	1	Lithonia Lighting	WDGE2 LED P3 30K 80CRI TFTM MVOLT SRM DNAXD	WDGE2 LED Wallpack; mounted at 14ft	LED	WDGE2_LED_P 3_30K_80CRI_ TFTM.ies	3015	0.9

0.02 Bangor Savings Bank Derry, NH\CAD\dwg\96280.02-C-600-LIGHT.dwg 12/11/2023 11:16

	U0 - G2	Max: 4048cd
10.0002	TYPE II, VERY SHORT, BUG RATING: B0 - U0 - G0	Max: 808cd
32.1375	TYPE III, MEDIUM, BUG RATING: B1 - U0 - G1	Max: 2246cd
32.1375	TYPE IV, SHORT, BUG RATING: B1 - U0 - G1	Max: 2074cd

Description	Symbol	Avg	Max	Min	Max/Min	Avg/M
Outside of Parking Lot	+	0.1 fc	1.0 fc	0.0 fc	N/A	N/A
Parking Lot	+	1.1 fc	7.9 fc	0.2 fc	39.5:1	5.5:1
Under Canopy	+	13 fc	20 fc	5 fc	4.0:1	2.6:1

NOT ISSUED FOR CONSTRUCTION

BANGOR SAVINGS BANK

46 CRYSTAL AVENUE DERRY, NH TAX MAP 31 LOTS 071 & 072 OWNER: BANGOR SAVINGS BANK

APPLICANT: BANGOR SAVINGS BANK

20' 40' GRAPHIC SCALE

DATE:NOVEMBER 7, 2023NOBIS PROJECT NO.96280.02DRAWN BY:MGDCHECKED BY:JCNCAD DRAWING FILE:

96280.02-C-600-LIGHT.dwg SHEET TITLE

LIGHT PLAN

SHEET

Designer Heidi G. Connors

Visible Light, Inc. 24 Stickney Terrace Suite 6 Hampton, NH 03842 **Date** 11/1/2023

<u>Frees, Shrub</u> USDA Plant I	os, Ground Cove Hardiness Zone	er, Flowe s - NH N	ers, Be orth o	dding and Seeding - Se f Laconia Zone 4 - Sout	ee Specification, Gene thern NH Zone 5 - Wes	eral Notes and stern Massac	d Details on husetts Zone	the Accompa 5 Eastern	anying Drawing Massachuset	gs. ts Zone 6					
							Habit o	f Growth							
Photo	Туре	Sym	Qty	Common Name	Botanical Name	Hardiness Zone	Height	Spread	Sun Exposure	Drought Tolerant	Native	Toxicity	Installed Size	Туре	Description & Notes
	Deciduous Large Tree	BJM	3	American Mountain Ash	Sorbus Americana	3-6	15-30'	15-25'	Full-	YES	YES	2	3"-3 1/2" cal 10-12ft	B&B	This small native tree's dark gr the fall. Showy white spring flow like fruit loved by birds. Likes a Grows to 10'–30'.
	Deciduous Large Tree	RMT	2	American Red Maple	Acer Rabrum "Brandywine"	4-9	40'-60'	30'-50'	Full Sun	YES	YES	2	3"-3 1/2" cal 10-12ft	B&B	Vibrant color and rich reds are Red Maple truly earns its name growth, and spectacular red lea with a few orange or gold shad American Red Maple adapts to one of the most populous trees different environments. It is qui
	Deciduous Accent Flowering Small Tree	CPD	1	Cherokee Princess Dogwood Tree	Cornus florida 'Cherokee Princess'	5-9	15-30'	25-35'	Full-Partial Sun	YES	YES	3 to pets only	3"-3 1/2" cal 10-12ft	B&B	Prolific, large, pure white, over in the summer, reddish-purple dogwood a lovely ornamental t
	Deciduous Accent Flowering Small Tree	CCD	2	Cherokee Chief Dogwood Tree	Cornus florida 'Cherokee Chief'	5-9	15-30'	15-30'	Full-Partial Sun	YES	YES	NO	3"-3 1/2" cal 10-12ft	B&B	The Cherokee Chief Dogwood varieties can't handle the cold. Cherokee Chief Dogwoods fill are still dormant. Once their da bright flowers to pop against. oval shaped leaves fill in to cre in the summer. When the leave
	Deciduous Large Tree	FPG	1	Green Ash Tree	Fraxinus pennsylvanica	3-9	50-80'	40-50'	Full-Partial Sun	YES	YES	2	3"-3 1/2" cal 10-12ft	B&B	Green ash is a native spreadin or more. The deciduous leaves to 9 leaflets. The leaflets are of beneath. The twigs are pale gr
	Evergreen	BSP	3	Black Spruce	Picea mariana	1-6	30'40'	15-30'	Full Sun to Partial Sun	YES	YES	1	7-9 ft	B&B	Black spruce is a small, narrow descending branches, with dar limbs sweep the ground. It is a tolerant of wet sites
	Flowering Shrub	MKL	1	Miss Kim Lilac	Syringa pubescens subsp. Patula 'Miss Kim'	3-8	4-9'	5-7'	Full Sun	YES	YES	NO	5 Gal	CTN	Lilacs are such assets to their clusters make them strong spri full–sized lilac bush. That's wha 4–9' tall. You can use these fra hummingbirds and butterflies fl turns burgundy. Hungry deer te
	Flowering Shrub	LLH	4	Ruby Slipper Hydrangia	Hydrangea Quercifolia 'Ruby Slipper'	5-9	3-4'	3-5'	Full Sun to Part Shade	YES	YES	2	5 gal	CTN	Easily grown in organically rich shade. Thrives in moist soils, a soil moisture. Bloom occurs on (little pruning is usually needed spring. Plants should be given burlap wrap) in USDA Zone 5, significant numbers of flower b
	Evergreen Groundcover	DJC	33	Dwarf Creeping Juniper	Juniperus procumbens 'Nana'	4-9	12"	6'	Full to Partial Sun	YES	YES	3 to pets only	5 gal	CTN	Dwarf creeping juniper forms a texture. The fine-needled brand scales can have a slightly purp
	Perennial	ΑΜΥ	5	Moonshine' Yarrow	Achillea Moonshine	3-9	18"	24"	Full Sun	Yes	Yes	2	1 yr. potted	1 gal.	Moonshine Yarrow (Achillea M gray foliage and lemon-yellow summer. This is a well-behave
Ż	Seed Lawns	SFL	TBD	Seeded Ornamental Fine Lawn Mix	Kentucky Bluegrass and Creeping Red Fescue Blend 1lb/1,000sf	3-9	8"	NA	Full Sun- Partial Shade	YES	YES	NO	Seed Mix		This mixture is made up of war Northeast and will be a hardy, seed and Hydromulch. Seed Dates April 15 - June 30 and A
	Evergreen Accent Tree	ΗΙΥ	6	Hicks Yew Hedge	Taxus x media 'Hicksii'	4-7	12-20'	8-12'	Full-Partial Sun	YES	YES	2	5 GAL	CTN	Hicks Yew is a popular tree for evergreen needles, and it is do grows nearly straight upright an nice, dense privacy hedge. It is tall. It is versatile for use in ma
	Seasonal Color	HRM	3	Invincibelle™ Ruby Mountain Hydrangea	Hydrangea arborescens 'NCHA3'	3-8	3-4'	2-3'	Full Sun- Partial Shade	NO	YES	3 TO PETS ONLY	1 YR POTTED	1 gal.	Hydrangea arborescens Invinc strong stems. It has dark burgu combination of bright ruby red excellent cut flowers. It blooms gorgeous blossoms from summ specimen, in a mixed border, o
	Evergreen Accent Tree	OMR	4	Olga Mezitt' Rhododendron	Rhododendron x 'Olga Mezitt'	4-8	3'-4'	2-3'	Full-Partial Sun	NO	NO	1	5 GAL	CTN	Stunning dome-shaped trusses this cold hardy, compact everg turns a rich mahogany color in tolerant than other varieties. An containers.
	Evergreen Low Ground Cover	JHL	4	Japanese Holly	liex Crenata	5-7	4'-10'	4'-10'	Full Sun - Partial Shade	YES	NO	1	3 GAL	CTN	A densely branched, low-growi soft, scale-like, rich green folia groundcover, on banks and slo
2.363	Evergreen Low Ground Cover	ТАМ	9	Tam Juniper	Juniperus sabina 'tamariscifolia'	4	1.5'	10'	Full Sun	YES	NO	1	5 GAL 18" 24"	CTN	A densely branched, low-growing co rich green foliage. An excellent conit as a rock garden accent. Evergreen.

General Planting Notes

1. The above selection of plants is provided for design intent. It is understood that the final installation and implementation of this plan is subject to plant availability, substitutions, time of year, phasing and cost. These plant selections are part of a project approval with substitutions should be approved in writing by the Landscape Architect of Record prior to purchase and installation.

It is understood, that the majority of nursery plants are to some degree toxic to humans and pets, whether the root, stock, bark, leaf, fruit or juice. The owner and installer should become acquinted to the potential toxicity of the ultimate selection of all nursery plants. Warrenstreet has provided common toxicuty labels of plant materials selected and in noway warranties against the potentuial affects of any plants selected and installed.
 All planting beds shall be mulched with a minimum of 2" of shredded cedar "BLACK" bark mulch. All sod and/or seeded lawn areas to have minimum 6" topsoil blanket. All fall bulbs shall be planted in the fall, plan
 accordingly, retainage will be held until plantings occur. All mass planted shrubs beds and planters around building shall have minumum 18" deep topsoil blanket to compensate for the New England very sandy granular sub-grade material.
 All plant material to conform to current AAN, American Standard for Nursery Stock, ANSI Z60.1-2014. All plantings shall be warranteed for (1) one year from planting date. The landscape Contractor shall be responsible for two (2) lawn mowings and weedings prior to final acceptance of installation.

С	D

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	E	
es (Height, Exposure, Bloom, Color)		WARRENSTREET ARCHITECTS, INC. 4 CRESCENT STREET CONCORD, NEW HAMPSHIRE 03303 P. (603) 225-0640 WWW.WARRENSTREET.COOP
green leaves turn yellow, orange and reddish-purple in flowers are followed by large clusters of flame-red, berry- s acidic soil with good drainage, full sun to light shade.		OWNER BANGOR SAVINGS BANK
re synonymous with the American Red Maple Tree. The me, with its red flowers in early spring, red twigs of new leaves in fall. Its dazzling fall show is further diversified ades under certain weather conditions. Even better, the to any environment. The American Red Maple Tree is eas in the eastern U.S. because it adapts so well to many quite drought tolerant, but will grow in wet boggy areas, rerlapping petal-like blooms in spring, dark green foliage le leaves in the fall, red berries in winter make this al tree for all seasons.		46 CRYSTAL AVE. DERRY, NH 03038 CONSTRUCTION MANAGER TITLE 1 TITLE 2 STREET CITY, STATE ZIP P. () F. ()
bd is cold hardy to growing zone 5, where other dogwood ld. By being one of the first trees to bloom in spring, ill the landscape with fiery red blossoms while other trees dark, green leaves fill in they act as a backdrop for the . The colorful show doesn't stop there because the long, create a thick and attractive canopy that provides shade aves first emerge they have a burgundy to bronze tint ding, round topped tree which grows to a height of 70 feet ves are pinnately compound, 8 to 12 inches long, with 5 oblong, lustrous green on both sides or somewhat paler gray along with brown bark.		
ow evergreen tree with a spire-like crown. It has lark, bluish-green needles, and upturned ends. Lower an excellent choice for cold northern climates and		
eir landscapes—the famed perfumes and luxurious flower pringtime focal points. But not every garden can fit a what makes Miss Kim an excellent cultivar. It grows only fragrant blooms for cut flower arranging, or watch is flock to them in the garden. In fall, the green foliage in tend not to be interested in lilacs ich, medium moisture, well-drained soils in full sun to part is, and appreciates a summer mulch which helps retain		
on old wood. Prune if needed immediately after flowering led). Winter damaged stems may be pruned in early en a sheltered location and winter protection (e.g., mulch, 5, particularly when not fully established. Plants can lose r buds or die to the ground in harsh winters is a compact mat of bluish green foliage with a feathery anches grow over each other, and vary in length. The urple tinge in winter. It is a very pretty spreading juniper.		
Moonshine) is an outstanding perennial plant with silver- w flat-topped flowers that cover the plant all ved variety, meaning it won't reseed and spread.		
for growing into tall, narrow hedges. It has lovely, dark,		
dotted with bright red "fruits" in late summer and fall. It and can mature up to 20 feet tall over time, making a t is also suitable for maintaining as a low hedge at 3-4' nany garden styles and is very easy to care for.		
rgundy-red flower buds that open to a two-toned ad and silvery pink. It is dramatic and unique and makes ims on new growth and is a strong rebloomer, producing mmer into fall and can be used as a low hedge, or, or foundation planting.		PROJECT TITLE / ADDRESS: BANGOR SAVINGS BANK
wing conifer that gracefully spreads to form mounds of liage. An excellent conifer for use as a large scale slopes, or as a rock garden accent. Evergreen.		46 CRYSTAL AVENUE DERRY, NH 03038
with the Jurisdictions having authority. All		JONATHAN R. HALLE
		SCALE: AS NOTED DWN BY: TG JOB #: 3651 CHK BY: JH
		PRINT DATE: 12/18/2023 10:41:05 AM ISSUE DATE: 12/18/2023 FOR CONSTRUCTION
		REV. DATE COMMENTS
		PLANTING SCHEDULE
		LAG 1022 SHEET NUMBER: 2 OF 6 LANDSCAPE THE DRAWING AND ITS CONTENT IS THE INTELLECTUAL PROPERTY OF WARRENSTREET ARCHITECTS INC. WITH THE SOLE INTENT TO BUILD THE PROJECT TITLED ABOVE AT ONE LOCATION NOTED HEREIN. THE USE OF THE CONTENT FOR ANY OTHER PURPOSE IS PROHIBITED AND PROTECTED UNDER COPYRIGHT LAW.
	E	Copyright Warrenstreet Architects, LLC © 1990 - 2023

2.5 MISCELLANEOUS MATERIALS

A. WOOD STAKES: STAKES FOR TREE SUPPORT SHALL BE 2" X 2" X 8'0", WOOD STAKES. B. GUYING WIRE: WIRE SHALL BE NUMBER 12 GAUGE GALVANIZED SOFT STEEL WIRE.

C. HOSE: HOSE FOR COVERING WIRE SHALL BE NEW OR USED TWO PLY RUBBER HOSE NOT LESS THAN 1/2 INCH INSIDE DIAMETER. (PLASTIC 'CINCH-TIES' OR EQUIVALENT FASTENING DEVICE MAY BE AN ACCEPTABLE GUY WIRE AND HOSE PROTECTOR SUBSTITUTE) D. TREE PAINT: TREE PAINT SHALL BE WATERPROOF, ASPHALT BASE PAINT WITH ANTISEPTIC PROPERTIES. MANUFACTURED FOR USE ON TREE WOUNDS: R.I.W. TREE SURGERY PAINT BY TOCH BROS., NEW YORK; SHERWIN WILLIAMS PRUNING COMPOUND OR APPROVED EQUAL.

E. ANTI-DESSICAT: ANTI-DESSICANT SHALL BE AN EMULSION PERMEABLE ENOUGH TO PERMIT TRANSPIRATION, AND WILL BE USED TO RETARD EXCESS WATER LOSS. MIX IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. F. TREE WRAP: TREE WRAPPING PAPER SHALL BE WATERPROOFED CREPE TREE WRAPPING PAPER, AT LEAST 2-1/2 INCHES IN WIDTH, MADE UP OF TWO LAYERS OF CREPE KRAFT PAPER, WEIGHING NOT LESS THAN 30 POUNDS PER REAM, CEMENTED TOGETHER WITH ASPHALT. G. TWINE: WRAPPING TWINE USED IN TREE WRAPPING SHALL BE COMPOSED OF A MINIMUM OF TWO PLY JUTE MATERIAL. SYNTHETIC MATERIALS SUCH AS NYLON OR PLASTIC

A. INSPECTION: PRIOR TO ALL WORK OF THIS SECTION, CAREFULLY INSPECT THE INSTALLED WORK OF ALL OTHER TRADES AND VERIFY THAT ALL SUCH WORK IS COMPLETE TO THE POINT WHERE THIS INSTALLATION MAY PROPERLY COMMENCE. DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE TO ANY INSTALLEDUTILITIES.

1. VERIFY THAT PLANTING MAY BE COMPLETED IN ACCORDANCE WITH THE ORIGINAL DESIGN AND THE REFERENCED STANDARDS. STAKE OUT LOCATIONS OF ALL PLANTS AND SECURE THE LANDSCAPE ARCHITECT APPROVAL BEFORE EXCAVATING PLANT PITS. 2. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, LEDGE, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY

1. IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT. 2. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL ALL SUCH DISCREPANCIES HAVE BEEN FULLY RESOLVED.

3.2 TREE PROTECTION AND REMOVAL

1. TREE REMOVAL UNDER THIS CONTRACT SHALL BE ACCOMPLISHED AS REQUIRED TO ACCOMODATE THE SCOPE OF WORK AS INDICATED ON THE SITE PLANS AS PREPARED BY SHERMAN, GREINER, HALLE', LTD. AND PROVAN & LORBER, INC. SITE GRADING AND GRUBBING WILL BE ACCOMPLISHED AS DIRECTED IN SECTION 02212 "SITE GRADING". ALL TREES AND STUMPS SHALL BE REMOVED FROM THE AREA TO BE OCCUPIED BY THE NEW PLAYFILEDS, ROADS, SURFACED AREAS AND PLANTED AREAS. REMOVAL OF TREES OUTSIDE THESE AREAS SHALL ONLY BE THOSE AS NOTED, MARKED AND APPROVED BY THE LANDSCAPE ARCHITECT. 2. NO OTHER TREES MAY BE CUT EXCEPT BY PERMISSION OF THE LANDSCAPE ARCHITECT. ALL STUMPS SHALL BE REMOVED.

1. GENERAL PROTECTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF TOPS, TRUNKS, AND ROOTS OF EXISTING TREES ON THE SITE THAT ARE TO REMAIN. EXISTING TREES SUBJECT TO CONSTRUCTION DAMAGE SHALL BE BOXED, FENCED OR OTHERWISE PROTECTED BEFORE ANY WORK IS STARTED; REMOVE BOXING WHEN DIRECTED. DO NOT PERMIT HEAVY EQUIPMENT OR STOCKPILES WITHIN BRANCH SPREAD. REMOVE INTERFERING BRANCHES WITHOUT INJURY TO TRUNKS AND COVER SCARS WITH TREE PAINT.

2. GRADING AROUND TREES: WHERE EXCAVATION, FILL OR GRADING IS REQUIRED WITHIN THE BRANCH SPREAD OF TREES THAT ARE TO REMAIN, THE WORK SHALL BE PERFORMED AS FOLLOWS:

C. TRENCHING: WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT BUT THE TRENCH SHALL BE TUNNELED UNDER AND AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO THE ROOTS. D. RAISING GRADES: WHEN THE EXISTING GRADE AT TREE IS BELOW THE NEW FINISHED GRADE, AND FILL NOT EXCEEDING 12 INCHES IS REQUIRED. CLEAN WASHED GRAVEL

GRADED FROM 1 INCH TO 2 INCH SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK. THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF 18 INCHES AND FINISH APPROXIMATELY 2 INCHES ABOVE THE FINISHED GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH THE TRUNKS OF ANY TREES REQUIRING FILL E. TREES MARKED FOR PRESERVATION THAT ARE BURIED IN FILLS OVER 12" DEEP SHALL HAVE AN OPEN DRY WELL OF DURABLE MASONRY (WITHOUT MORTAR SITUATED AT

LEAST 24" FROM THE TREE TRUNK. ALL WELLS ARE TO BE PROPERLY DRAINED. BEFORE FILLS OF OVER 12" ARE MADE UPON THE TREE ROOT AREAS, IT IS ADVISABLE TO SPREAD AT LEAST A 6" LAYER OF BROKEN STONE OR COARSE GRAVEL COVERED BY INVERTED SODS TO FACILITATE PROPER DRAINAGE AND AERATION. F. LOWERING GRADES: EXISTING TREES IN AREAS WHERE THE NEW FINISHED GRADE IS TO BE LOWERED, SHALL HAVE REGRADING WORK DONE BY HAND TO ELEVATION AS INDICATED. ROOTS AS REQUIRED SHALL BE CUT CLEANLY 3 INCHES BELOW FINISHED GRADE AND SCARS ARE COVERED WITH TREE PAINT. TREES MARKED FOR PRESERVATION THAT ARE LOCATED MORE THAN 6" ABOVE PROPOSED GRADES SHALL STAND ON BROAD ROUNDED MOUNDS AND BE GRADED SMOOTHLY INTO THE LOWER LEVEL. EXPOSED OR BROKEN ROOTS SHALL BE CUT CLEAN AND COVERED WITH TOPSOIL.

3.3 PLANTING TREES, SHRUBS AND GROUND COVERS

1. PLANT NURSERY STOCK IMMEDIATELY UPON DELIVERY TO THE SITE AND APPROVAL BY THE LANDSCAPE ARCHITECT EXCEPT THAT, IF THIS IS NOT FEASIBLE, HEAL-IN ALL BALLED MATERIAL WITH DAMP SOIL AND PROTECT FROM SUN AND WIND.

2. REGULARLY WATER ALL NURSERY STOCK IN CONTAINERS AND TUBE-PAKS AND PLACE THEM IN A COOL AREA PROTECTED FROM SUN AND DRYING WINDS. B. EXCAVATION OF PLANT HOLES:

1. TREE PITS SHALL HAVE SUBSTANTIALLY VERTICAL SIDES AND HORIZONTAL BOTTOMS. DEPTH OF PIT BELOW FINISH GRADE SHALL BE AT LEAST 9 INCHES (FOR TREES) AND 6 INCHES (FOR SHRUBS) GREATER THAN THE DEPTH OF THE BALL. IN NO CASE SHALL DEPTH OF TREE PITS BE LESS THAN 24 INCHES BELOW FINISHED GRADE. DIAMETER OF PITS FOR ALL TREES SHALL BE AT LEAST 9 INCHES GREATER THAN THE MAXIMUM DIAMETER OF THE TREE BALL OR ROOT SYSTEM AND FOR SHRUBS 6 INCHES. 2. PLANTING POCKETS FOR TUBE-PAK, ONE GALLON CONTAINER SHRUBS, CONTAINERIZED PERENNIAL PLANTS & 1" CALIPER TREES INTENDED FOR "NATURALIZING" FILL AND DISTURBED SLOPES. SHALL BE EXCAVATED SIMILAR AS DESCRIBED ABOVE. BUT TO A DEPTH OF 6" BELOW THE BOTTOM OF THE TUBE-PAK OR CONTAINER AND A MINIMUM OF 12" IN DIAMETER.

1. TREES AND SHRUBS SHALL BE SUPPLIED IN SIZES SHOWN ON THE PLANTING PLANS WITH ALL PLANTS BALLED AND BURLAPPED, CONTAINERIZED, OR IN TUBE-PAKS. 2. DURING PLANTING OPERATIONS, THE NURSERY STOCK SHALL NOT BE EXPOSED TO THE SUN, DRYING WINDS, OR WINTER FREEZING.

3. THE SOIL IN THE BOTTOM OF THE HOLE, WHICH HAS BEEN EXCAVATED TO THE PRESCRIBED REQUIREMENTS, SHALL BE LOOSENED TO A DEPTH OF 3 INCHES AND MIXED WITH AN EQUAL AMOUNT OF TOPSOIL. A COMPACTED MOUND OF SOIL SHALL BE FORMED IN THE CENTER OF THE HOLE TO SUPPORT THE ROOTS OF THE PLANT. THE PLANT SHALL BE PLACED ON THIS MOUND OF SOIL AND HELD IN A VERTICAL POSITION. THE PLANT SHALL BE SO SET, BY ADJUSTING THE ELEVATION OF THE MOUND, THAT AFTER SETTLEMENT THE PLANT WILL STAND AT APPROXIMATELY THE SAME DEPTH IT STOOD IN THE NURSERY OR FIELD.

4. THE PLANT HOLE SHALL BE BACKFILLED WITH TOPSOIL, PEAT AND MAG AMP MIXTURE PLACED IN LAYERS AROUND THE ROOTS. EACH LAYER SHALL BE CAREFULLY TAMPED TO FILL ALL VOIDS AND PLACED IN MANNER TO AVOID INJURY TO THE TREE OR DISTURBING THE POSITION OF THE PLANT. 5. ALL BURLAP, ROPES OR WIRES SHALL BE COMPLETELY REMOVED FROM THE ROOT BALLS. TREES WITH WIRE BASKETS SHALL HAVE THE WIRE BASKET COMPLETELY

REMOVED IF PRACTICAL. REMOVAL OF BASKET WIRE SHALL BE DONE WITH BOLT CUTTER OR SIMILAR DEVICE AND NOT BEFORE THE BOTTOM HALF OF PLANT HOLE HAS BEEN BACKFILLED AND TAMPED SO AS TO PREVENT THE BALL FROM BREAKING APART OR LOOSENING DURING THIS OPERATION. UNTIE AND REMOVE ALL ROPES AROUND

6. WHEN APPROXIMATELY TWO-THIRDS OF THE PLANT HOLE HAS BEEN BACKFILLED, THE HOLE SHALL BE FILLED WITH WATER AND THE SOIL ALLOWED TO SETTLE AROUND THE ROOTS. AFTER THE WATER HAS BEEN ABSORBED, THE PLANT HOLE SHALL BE FILLED WITH TOPSOIL AND TAMPED LIGHTLY TO GRADE. ANY SETTLEMENT SHALL BE BROUGHT TO GRADE WITH TOPSOIL

7. ALL PLANTS SHALL BE SET PLUMB AND STRAIGHT, AND AT SUCH A LEVEL THAT, AFTER SETTLEMENT, A NORMAL OR NATURAL RELATIONSHIP OF THE TRUNK CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. PLANTS SHALL BE LOCATED IN THE CENTER OF THE PIT. THE SURFACE ABOUT THE PLANT SHALL BE SMOOTH AND FORMED TO A CUP-SHAPED DEPRESSION ABOUT THE STEM OR TRUNK SO AS TO HOLD WATER. ONCE THIS CUP-SHAPED DEPRESSION HAS BEEN FORMED, THEN APPLY THE "ROOTS" GROWTH ENHANCER/BIOSTIMULANT, PER MANUFACTURER'S RECOMMENDATIONS, TO ALL TREES, SHRUBS AND PERENNIALS PRIOR TO MULCHING. UPON COMPLETION OF THE PLANTING, ALL SURPLUS SUBSOIL AND WASTE MATERIALS SHALL BE REMOVED.

8. FOR PLANTS ON LEVEL GROUND OR SLIGHT SLOPES, THE CONTRACTOR SHALL FORM AND LEAVE A SHALLOW BASIN A LITTLE LARGER THAN THE DIAMETER OF THE PLANT AROUND EACH PLANT. AFTER PLANTING, CULTIVATE THE SOIL IN THE SHRUB BED BETWEEN TREE/SHRUB PITS, RAKE SMOOTH AND OUTLINE AS PER PLANS. IN CASE OF PLANTING IN THE OPEN ON HOT DAYS, SHORTEN THE TIME BETWEEN PLANTING AND WATERING.

3.4 SEED BED PREPARATION

A. SUB GRADE PREPARATION: SEED BED PREPARATION SHALL PERTAIN TO THE PREPARATION OF THE SURFACE OF THE GROUND TO RECEIVE THE SEED. THE GROUND SHALL BE HAND OR MACHINE RAKED SO AS TO REMOVE ALL DEBRIS, CLODS, STONES, OR OTHER FOREIGN MATTER LARGER THAN 1 INCH, TO A DEPTH OF 4 INCHES. PRIOR TO DUMPING AND SPREADING OF TOPSOIL, THE SURFACE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 2 INCHES TO FACILITATE BONDING OF TOPSOIL TO SUB GRADE SOIL. WHERE SUB GRADES HAVE BEEN COMPACTED ARTIFICIALLY SCARIFY TO A DEPTH OF 6 INCHES. PRIOR TO SPREADING TOPSOIL, ALL SUB GRADES SHALL BE GRADED EVENLY ACCORDING TO THE CONTRACT DOCUMENTS. SUCH DEBRIS, CLODS, ROCKS, AND OTHER MATERIAL SO REMOVED SHALL BE DISPOSED OF AS APPROVED BY THE LANDSCAPE ARCHITECT/OWNER'S REPRESENTATIVE. SEED BED PREPARATION SHALL NOT COMMENCE UNTIL THE MOISTURE CONDITIONS MAKE THE GROUND AREA AND SOIL FRIABLE. B. PREPARING UNDISTURBED AREAS: AREAS TO BE SEEDED, WHICH HAVE NOT BEEN DISTURBED BY SITE GRADING OR TOPSOIL STRIPPING OPERATIONS, SHALL BE MOWED AND RAKED PRIOR TO TILLING AND TOP SOILING OPERATIONS. TILLAGE OF THE EXISTING VEGETATION INTO THE GROUND WILL NOT BE ACCEPTED.

3.5 TOPSOIL PLACEMENT

A. SPREADING: TOPSOIL SHALL BE SPREAD EVENLY ON THE PREPARED AREAS TO A MINIMUM DEPTH OF 6 INCHES AFTER MACHINE COMPACTION. SPREADING SHALL NOT BE DONE WHEN THE GROUND OR TOPSOIL IS FROZEN OR EXCESSIVELY WET. AFTER SPREADING, ANY LARGE, STIFF CLODS OR HARD LUMPS SHALL BE BROKEN UP AND THE GROUND SHALL BE HAND OR MACHINE RAKED TO REMOVE ALL DEBRIS, STONES, AND FOREIGN MATTER LARGER THAN 1 INCH TO A DEPTH OF 4 INCHES. B. FINISH GRADING: GRADE THE AREAS TO FINISH GRADES FILLING AS NEEDED OR REMOVING SURPLUS DIRT AND FLOATING AREAS TO A SMOOTH UNIFORM GRADE. ALL LAWN AREAS SHALL SLOPE TO DRAIN. WHERE NO GRADES ARE SHOWN, AREAS SHALL HAVE A SMOOTH AND CONTINUAL GRADE BETWEEN EXISTING OR FIXED CONTROLS (SUCH AS WALKS, CURBS, OR WALLS). RAKE AND LEVEL AS NECESSARY TO OBTAIN TRUE EVEN LAWN SURFACES. ALL FINISH GRADES SHALL MEET THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE SEED IS SOWN OR SOD IS PLACED.

C. SEED BED PREPARATION: AFTER FINISH GRADING AND JUST BEFORE SEEDING, THE AREAS TO BE SEEDED SHALL BE LOOSENED TO PROVIDE A ROUGH, FIRM BUT FINELY PULVERIZED SEED BED. THE INTENT IS A TEXTURE CAPABLE OF RETAINING WATER, SEED, AND FERTILIZER WHILE REMAINING STABLE AND ALLOWING SEED TIME TO GERMINATE. SEED SHALL BE APPLIED TO THE CONDITIONED SEED BED NOT MORE THAN 48 HOURS AFTER THE SEED BED HAS BEEN PREPARED. D. WATER: IF THERE HAS BEEN A TIME LAPSE BETWEEN THE PLACEMENT OF TOPSOIL AND SEEDING OPERATIONS TO ALLOW IT TO BECOME SETTLED AND COMPACTED ON THE

SURFACE, THE AREA TO BE PLANTED WITH SEED SHALL BE THOROUGHLY HARROWED, WORKED TO A DEPTH OF 4 INCHES SO AS TO PROVIDE A SURFACE OF SUCH CONDITION THAT IT WILL ALLOW HAND RAKING AND APPLICATION OF THE SEED IN COMPLIANCE WITH THESE SPECIFICATIONS. E. FERTILIZER/SOIL AMENDMENTS: APPLICATION OF FERTILIZER WILL BE IN 2 STAGES. TWO WEEKS PRIOR TO APPLICATION OF SEED, FERTILIZER SHALL BE APPLIED AT THE RATE

OF 3 LBS/1000 S.F. FOR TURF AREAS. FERTILIZER SHALL BE APPLIED BY BROADCASTING OR DRILL METHODS; IT SHALL BE APPLIED SEPARATELY FROM THE SEED AND MIXED INTO THE SOIL TO A MINIMUM DEPTH OF 2 INCHES AND MAY BE INCORPORATED AS PART OF THE TOPSOIL PLACEMENT AND SEED BED PREPARATION OPERATIONS. SPRINKLE IMMEDIATELY AFTER INITIAL APPLICATION OF THE FERTILIZER WITH A FINE SPRAY UNTIL GROUND IS THOROUGHLY SATURATED, WITH PARTICULAR CARE TO AVOID RUNOFF ON SLOPING AREAS.

1. THE 2ND APPLICATION WILL FOLLOW THE FOLLOWING SEASON WITHIN THE SPECIFIED WARRANTY PERIOD AT A RATE DETERMINED BY SOIL TEST RESULTS FOR BOTH TURF AND NATIVE GRASS/ WILDFLOWER AREAS. 2. APPLICATION OF SUPERPHOSPHATE AND GROUND LIMESTONE SHALL BE APPLIED AT RATES DETERMINED BY SOILS TEST RESULTS

3. SEEDING: IMMEDIATELY PRIOR TO THE APPLICATION OF THE SEED, THE SOIL SHALL BE LOOSE TO A DEPTH OF AT LEAST 1 INCH AND FREE FROM ALL MATERIAL AS SPECIFIED. IF SOIL IS TOO LOOSE OR DRY FOR GOOD HANDLING, IT SHOULD BE MOISTENED AND ROLLED LIGHTLY.

4. SEEDING SHALL BE DONE WITHIN THE SPECIFIED TIME PERIODS AND AT THE FOLLOWING RATES:

a. FINE LAWN SEED SHALL BE SOWN AT A RATE OF 3.0 POUNDS PER 1000 SQUARE FEET AND SHALL BE PLANTED IN THE SPRING FROM APRIL LST TO MAY 30TH OR IN THE FALL FROM AUGUST 16TH TO OCTOBER 1ST. b. NATIVE SEED MIX SHALL BE SOWN AT A RATE OF 5.0 POUNDS PER 1000 SQUARE FEET AND SHALL BE PLANTED IN THE SPRING FROM APRIL LST TO MAY 30TH OR IN THE

FALL FROM AUGUST 16TH TO OCTOBER 1ST. 5. METHODS: SEEDING BY DRILL IS PREFERABLE, HOWEVER, HYDRAULIC SEEDING OR BROADCASTING WILL BE PERMITTED. BROADCAST SEEDING AND HYDRAULIC SEEDING SHALL NOT BE USED DURING ADVERSE WEATHER. AREAS SOWN BY HYDRAULIC OR BROADCAST METHODS WILL BE VISUALLY INSPECTED FOR UNIFORMITY OF APPLICATION. AREAS WHICH FAIL TO REVEAL AN AVERAGE OF TWO SEEDS PER SQUARE INCH WILL BE RE-SOWN AT NO ADDITIONAL EXPENSE TO THE OWNER. THE APPLIED SEED,

REGARDLESS OF APPLICATION, SHALL NOT BE COVERED BY A SOIL THICKNESS NO GREATER THAN 1/2 INCH. a. SEEDING BY DRILL: SEEDING EQUIPMENT USED FOR APPLYING GRASS SEED MUST BE DESIGNED, MODIFIED, OR EQUIPPED TO REGULATE THE APPLICATION RATE AND PLANTING DEPTH OF GRASS SEED. SEED MUST BE UNIFORMLY DISTRIBUTED IN THE DRILL HOPPER DURING THE DRILLING OPERATION. ALL GRASS ESTABLISHMENT EQUIPMENT SHALL BE OPERATED PERPENDICULAR TO THE SLOPE DRAINAGE. A DRILL SHALL BE NO WIDER THAN THE WIDTH OF THE AREA WHICH IT IS TO OPERATE. THE

ROWS OF PLANTED SEEDS SHALL BE A MAXIMUM OF 8 INCHES APART AND SHALL BE AT RIGHT ANGLES TO THE FINISHED SLOPES. b. BROADCAST SEEDING: WHEN SEED IS SOWN BY BROADCASTING, EXERCISE GREAT CARE THAT A UNIFORM DISTRIBUTION OF SEED IS OBTAINED. SEEDING SHALL BE DONE ON A STILL DAY USING A HOPPER TYPE SEEDER WITH ONE HALF OF THE SEED FOR EACH AREA BEING SOWN AT RIGHT ANGLES TO THE OTHER HALF. SEED DISTRIBUTION BY BROADCASTING SHALL BE COVERED WITH 1/4 TO 1/2 INCH OF SOIL. THE SEED MAY BE COVERED BY RAKING, DRAGGING, OR BY APPROPRIATE MECHANICAL MEANS. c. HYDRAULIC SEEDING: WHEN HYDRAULIC SEED IS USED, SEED AND MULCH SHALL BE APPLIED IN SEPARATE AND DISTINCT OPERATIONS EXCEPT FOR THE FOLLOWING SEED PREPARATION:

6. THE CONTRACTOR MUST PROVIDE ONE POUND OF MULCH PER EACH THREE GALLONS OF WATER IN THE HYDROSEEDER AS A CUSHION AGAINST SEED DAMAGE. THE MULCH USED AS A CUSHION MAY BE PART OF THE TOTAL REQUIRED MULCH WITH THE REMAINDER APPLIED AFTER THE SEED IS METERING DURING APPLICATION.

7. THE CONTRACTOR MAY APPLY MULCH AND LAWN BROADCAST OR DRILL METHODS AS AN INITIAL AP 8. THE APPLICATION OF THE SEED SLURRY SHALL E SUSPEND AND HOMOGENEOUSLY MIX A SLURRY

- ALL HYDRAULICALLY SEED AREAS SHALL BE HYDR F. WATERING: WATERING IMMEDIATELY AFTER SEED
- LAYER OF THE SOIL MUST BE KEPT DAMP BY FREQUE G. PROTECTION: PROTECT ALL SEEDED AREAS BY ERI PLACE FOR AT LEAST SIX WEEKS UNLESS OTHER AR
- H. MULCHING: 1. MULCH ALL HYDROSEEDED AREAS, DRAINAGE SV WASHES OUT FOR REASONS ATTRIBUTABLE TO TH EXPENSE.
- a. ALL STRUCTURES SHALL BE PROTECTED FROM b. MULCH SHALL NOT BE APPLIED IN THE PRESEN 2. APPLICATION OF ORGANIC MULCH
- a. WET APPLICATION: ORGANIC MULCH SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENI b. DRY APPLICATION: ORGANIC MULCH SHALL BE SOIL

3.6 MULCHING A. MULCHING:

1. ALL TREES AND SHRUB BEDS WILL BE CULTIVATE THE PLANTING PIT TO HELP HOLD WATER DURING 2. APPLY THE SHREDDED BARK MULCH TO A DEPTH 3. THOROUGHLY SOAK ALL MULCH AREAS. AFTER V AREAS. AFTER WATERING, RAKE MULCHED AREAS

3.7 STAKING, GUYING, AND WRAPPING

- A. STAKING AND GUYING: 1. TREES, GREATER THAN 1-1/2" IN CALIPER, SHALL BARK OF THE TREE OR IT SHALL BE PLACED AROU OR WITH TURNBUCKLES.
- 2. WRAP TREES IMMEDIATELY AFTER PLANTING, BU DECIDUOUS TREES WITH TREE WRAPPING PAPER. EXTEND WRAPPING UPWARD IN SPIRAL MANNER W
- BELOW THE FINISHED GRADE. THE PAPER SHALL ADDITION TO THE TOP AND BOTTOM. 3. TREE GUYING AND STAKING SHALL BE AS DETAIL

3.8 PRUNING A. GENERAL

- 1. EACH TREE SHALL BE PRUNED IN ACCORDANCE PRESERVE A SHAPE AND FORM REPRESENTATIVE **B. PRUNING:**
- 1. ALL DEAD WOOD, SUCKERS, BADLY BRUISED OR PLANTING TO BALANCE ROOT LOSS DUE TO TRAN THE STEMS AND TOP BRANCHES, AND SHALL BE D WITH THE TRUNK OR BRANCH. NEVER CUT A LEAD 2. CUTS OVER 1/2 INCH IN DIAMETER SHALL BE PAIN TISSUE. PAINT SHALL BE WATERPROOF, ADHESIVE LIFE OF THE TREE AND SHALL BE APPROVED BEFC 3. TREES THAT HAVE BEEN SO BADLY PRUNED AS T

3.9 WATERING

A. ALL PLANTS SHALL BE WATERED TWICE WITHIN THE LEAST TWICE EACH WEEK. AT EACH WATERING THE SOIL, AS DETERMINED BY THE LANDSCAPE ARCHITED

3.10 INSPECTION FOR ACCEPTANCE AND CLEAN-UP A. INSPECTION:

- 1. IN ADDITION TO THE NORMAL PROGRESS INSPEC 24 HOURS PRIOR NOTICE OF READINESS FOR INSI 2. INSPECTION OF PLANTS IN CONTAINERS PRIOR TO 3. INSPECTION OF PLANT LOCATIONS, TO VERIFY C
- 4. FINAL INSPECTION AFTER COMPLETION OF PLANT SO THAT FINAL INSPECTION MAY BE CONDUCTED 5. FINAL INSPECTION AT THE END OF THE MAINTENA
- 6. THE LANDSCAPE ARCHITECT WILL INSPECT ALL W 7. ACCEPTANCE OF LAWNS SHALL BE GRANTED FO 8. SOD AND FINE LAWNS SHALL EXHIBIT A UNIFORM 9. NATIVE GRASS AREAS SHALL EXHIBIT A UNIFORM
- AREAS SHALL HAVE NO BARE SPOTS IN EXCESS C AREA OF THE LAWN. 10. NO LAWN AREAS SHALL EXHIBIT SIGNS OF DAMA
- 11. BUILDING AND PAVEMENT SURFACES ADJACENT SEEDING OPERATIONS. B. ACCEPTANCE:
- 1. UPON WRITTEN REQUEST OF THE CONTRACTOR, THIS REQUEST MUST BE SUBMITTED AT LEAST FIV 2. IF THE LAWNS ARE NOT ACCEPTABLE, THE LANDS AS NECESSARY FOR THE COMPLETION OF WORK.
- INSPECTION SHALL NOT TAKE PLACE UNTIL THE LA THE TOTAL AREA OF THE LAWN BEING INSPECTED 3. IF THE LAWN AREAS ARE ACCEPTABLE TO THE LA WORK. A FINAL INSPECTION SHALL BE PART OF TH ACCEPTANCE FOR THE LAWN SECTION BEING APP PROVIDE THE OWNER WITH THREE COPIES OF THE MAINTENANCE AND CORRECTIVE WORK UNTIL THE
- C. CLEAN-UP: 1. FOLLOWING THE ACCEPTANCE OF LAWNS, THE C PLANTING OR MAINTENANCE WORK. MATERIALS A

MAINTENANCE OF ACCEPTED LAWNS OR OTHER OF SECTION 02930 - SEEDING AND SODDING

PART 1: GENERAL

1.1 GENERAL REQUIREMENTS

A. DRAWINGS AND GENERAL PROVISIONS OF CONTRA B. EXAMINE ALL OTHER SECTIONS OF THE SPECIFICAT MENTIONED IN THIS SECTION. SEE DRAWINGS FOR L C. COORDINATE WORK WITH THAT OF ALL OTHER TRA PROGRESS OF ALL WORK UNDER THE CONTRACT.

.2 SUMMARY

- A. WORK IN THIS SECTION INCLUDES THE FOLLOWING 1. FURNISHING ALL MATERIALS, SUPPLIES, LABOR, J THEREOF FOR SEEDING, LAYING OF SOD, FERTILIZ AND CLEAN-UP.
- B. RELATED SECTIONS (AS MAY BE PROVIDED BY CIVIL SECTION 02300 "EARTHWORK" SECTION 02955 "TREES, SHRUBS AND GROUND COV LOCAL GOVERNING AUTHORITY AND CODE REQUIRE ALL NECESSARY CONSTRUCTION PERMITS.

1.3 SUBMITTALS

- A. SAMPLES & CERTIFICATES: 1. CERTIFICATES ATTESTING THAT THE FOLLOWING SELECTION AND APPROVAL IN ACCORDANCE WITH
- a. SEED b. FERTILIZER
- c. I IMF
- 2. MANUFACTURER'S LITERATURE/PRODUCT DATA a. MULCH b. HYDROMULCH BINDER
- c. EROSION CONTROL FABRIC

1.4 QUALITY ASSURANCE

D

- A. QUALIFICATIONS OF WORKMEN: 1. PROVIDE AT LEAST ONE PERSON WHO SHALL BE WITH THE TYPE OF MATERIALS BEING INSTALLED A
- 1.5 DELIVERY, STORAGE, HANDLING
- A. SEED: SEED SHALL BE DELIVERED IN ORIGINAL SEA GERMINATION, WEED SEED CONTENT, AND INERT MA REGULATIONS AND APPLICABLE STATE SEED LAWS.

E	
E SEED MIX HYDRAULICALLY IN A SINGLE APPLICATION, PROVIDING ONE HALF OF THE SEED HAS BEEN SOWED BY PLICATION AND THE RATE OF APPLICATION OF LAWN SEED MIX INCREASED BY 4 POUNDS PER 1000 SQUARE FEET. SE MADE WITH EQUIPMENT HAVING A BUILT-IN AGITATION SYSTEM AND OPERATING CAPACITY SUFFICIENT TO AGITATE, SOMTAINING WATER, SEED, AND MULCH OF SEED. THE SLURRY SHALL BE SPRAYED OVER THE SOIL IN A UNIFORM COAT. IOMULCHED UPON COMPLETION. NG OR MULCHING WITH A FINE SPRAY TO A DEPTH OF 6 INCHES. AVOID RUNOFF ON SLOPING AREAS. THE SURFACE ENT LIGHT WATERING DURING THE GERMINATION PERIOD AND UNTIL PLANTS ARE FIRMLY ROOTED. ECTING TEMPORARY FENCES, BARRIERS, SIGNS, ETC. AS NECESSARY TO PREVENT TRAMPLING. THEY SHALL REMAIN IN IRRANGEMENTS ARE MADE WITH THE LANDSCAPE ARCHITECT. WALES, SLOPES 4:1 OR STEEPER, AND ANY AREAS WHERE LIKELY HAZARD OF EROSION EXISTS. TOPSOIL OR SEED WHICH 4E CONTRACTOR'S ACTIVITIES OR FAILURE TO TAKE PROPER PRECAUTIONS, SHALL BE REPLACED AT THE CONTRACTOR'S AHYDRAULIC APPLICATION OF MULCH MATERIAL AND MATERIAL DEPOSITED ON FACILITIES SHALL BE REMOVED. ICE OF FREE SURFACE WATER, BUT MAY BE APPLIED ON DAMP GROUND. MIXED WITH WATER AT A RATE OF ONE POUND MULCH (DRY WEIGHT) TO ONE GALLON OF WATER HYDRAULICALLY DATIONS AT A MINIMUM RATE OF 2000 POUNDS PER ACRE, AND SHALL BE ROLLED LIGHTLY TO SET FIRMLY INTO THE ED FOLLOWING THE GENERAL SHAPE OF THE BEDS AS INDICATED ON THE PLANS. FORM A SAUCER AROUND THE TOP OF WATERING AND FORM THE OUTLINE FOR MULCHING. IOF 4'', EVENLY SPREAD OVER THE ENTIRE AREA OF EACH PLANTING PIT. WATERING, RAKE MULCHED AREAS AND LEAVE IN A COMPLETED AND FINISHED CONDITION.THOROUGHLY SOAK ALL MULCH S AND LEAVE IN A COMPLETED AND FINISHED CONDITION.THOROUGHLY SOAK ALL MULCH S AND LEAVE IN A COMPLETED AND FINISHED CONDITION.THOROUGHLY SOAK ALL MULCH S AND LEAVE IN A COMPLETED AND FINISHED CONDITION.THOROUGHLY SOAK ALL MULCH S AND LEAVE IN A COMPLETED AND FINISHED CONDITION.THOROUGHLY SOAK ALL MULCH S AND LEAVE IN A COMPLETED AND FINISHED CONDITION.THOROUGHLY SOAK ALL MULCH S AND LEAVE	VARRENSTREET ARCHITECTS, INC. 4 CRESCENT STREET CONCORD, NEW HAMPSHIRE 03303 P. (603) 225-0640 WWW.WARRENSTREET.COOP OWNER BANGOR SAVINGS BANK 46 CRYSTAL AVE. DERRY, NH 03038 CONSTRUCTION MANAGER TITLE 1 TITLE 2 STREET CITY, STATE ZIP P. () F. ()
WITH AN OVERLAP OF ONE-HALF (1/2) THE WIDTH OF THE PAPER STRIP. COVER WITH SOIL THE PORTION OF THE WRAPPING BE HELD IN PLACE WITH APPROVED TWINE OR TAPE. TIE THE TWINE AROUND THE TREE IN AT LEAST THREE PLACES, IN ED AS PER PROJECT PLANS AND COMPLETED IMMEDIATELY AFTER PLANTING. WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. THE OBJECTIVE IS TO OF THE SPECIES. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. BROKEN BRANCHES SHALL BE REMOVED. THE TOPS OF DECIDUOUS PLANTS SHALL BE PRUNED EITHER BEFORE OR AFTER SPLANTING. THIS SHALL CONSIST OF REMOVING ONE-FORTH OF THE CROWN BY THINNING OUT AND/OR HEADING BACK IONE SO THAT THE PLANT RETAINS ITS NATURAL FORM. EXCEPT WHEN HEADING BACK, ALL CUTS SHALL BE MADE FLUSH IER. ITED WITH AN APPROVED TREE PAINT. PAINT SHALL COVER ALL EXPOSED CAMBIUM AS WELL AS OTHER EXPOSED LIVING E AND ELASTIC, ANTISEPTIC, FREE FROM KEROSENE, COAL TAR CREOSOTE OR ANY OTHER MATERIAL INJURIOUS TO THE DRE IT IS USED. USE "WOODTAR" OR APPROVED EQUAL. 'O SPOIL THEIR REPRESENTATIVE FORM AND USEFULNESS SHALL BE REMOVED AND REPLACED.	
E FIRST 24 HOURS OF THE TIME OF PLANTING, AND ALL PLANTS DURING THE MAINTENANCE PERIOD SHALL BE WATERED AT SOIL AROUND EACH TREE OR SHRUB SHALL BE THOROUGHLY SATURATED. IF SUFFICIENT MOISTURE IS RETAINED IN THE CT, THE REQUIRED WATERING MAY BE REDUCED. CTIONS, SCHEDULE AND CONDUCT THE FOLLOWING FORMAL INSPECTIONS, GIVING THE LANDSCAPE ARCHITECT AT LEAST PECTION. O PLANTING. OMPLIANCE WITH THE PLANS. TING. SCHEDULE THIS INSPECTION SUFFICIENTLY IN ADVANCE, AND IN COOPERATION WITH THE LANDSCAPE ARCHITECT WITHIN 24 HOURS AFTER COMPLETION OF PLANTING. ANCE PERIOD, PROVIDED THAT ALL PREVIOUS DEFICIENCIES HAVE BEEN CORRECTED. VORK FOR ACCEPTANCE UPON WRITTEN REQUEST OF THIS SUBCONTRACTOR R THE WORK IN ITS ENTIRETY. NO PARTIAL ACCEPTANCE SHALL BE GIVEN. I, THICK, WELL-DEVELOPED STAND OF GRASS WHICH HAS RECEIVED A MINIMUM OF THREE CUTTINGS. LAWN AREAS SHALL I, THICK, WELL DEVELOPED STAND OF GRASS WHICH HAS RECEIVED A MINIMUM OF THREE CUTTINGS. NATIVE GRASS IF FOUR (4") INCHES IN DIAMETER AND BARE SPOTS SHALL COMPRISE NO MORE THAN TWO PERCENT (2%) OF THE TOTAL	PROJECT TITLE / ADDRESS:
AGE FROM EROSION, WASHOUTS, GULLIES OR OTHER CAUSES. T TO LAWN AREAS SHALL BE CLEAN AND FREE OF SPILLS OR OVERSPRAY FROM PLACING OR HANDLING OF TOPSOIL AND THE LANDSCAPE ARCHITECT SHALL INSPECT ALL LAWN AREAS TO DETERMINE COMPLETION OF THE CONTRACT WORK. (2) (5) DAYS PRIOR TO THE ANTICIPATED INSPECTION DATE AND AFTER THE THIRD MOWING OF FINE LAWNS. SCAPE ARCHITECT SHALL INDICATE CORRECTIVE MEASURES TO BE TAKEN, AND SHALL EXTEND THE MAINTENANCE PERIOD THE CONTRACTOR SHALL BE REQUIRED TO REQUEST A SECOND INSPECTION OF THE LAWNS AS DESCRIBED ABOVE. THIS AWN AREA IN QUESTION HAS RECEIVED AT LEAST ONE ADDITIONAL CUTTING. THIS PROCESS SHALL BE REPEATED UNTIL IS ACCEPTABLE. NDSCAPE ARCHITECT, HE SHALL ARRANGE A MEETING OF THE CONTRACTOR AND THE OWNER TO ACCEPT THE LAWN HIS MEETING TO INSURE ACCEPTABILITY. AT THIS MEETING, THE CONTRACTOR SHALL BE FURNISHED WITH A WRITTEN PROVED. THE CONTRACTOR SHALL HAND OVER MAINTENANCE OF THE LAWN TO THE OWNER AT THIS MEETING, AND SHALL E MAINTENANCE MANUAL FOR THE LAWN AS DESCRIBED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL E CONCLUSION OF THIS MEETING. CONTRACTOR SHALL INMEDIATELY REMOVE FROM THE SITE ALL MATERIALS AND EQUIPMENT NOT REQUIRED FOR OTHER ND EQUIPMENT REMAINING ON THE SITE SHALL BE STORED IN LOCATIONS WHICH DO NOT INTERFERE WITH THE OWNER'S OPERATIONS.	AG CRYSTAL AVENUE DERRY, NH 03038
ACT, INCLUDING GENERAL CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS APPLY TO THIS SECTION. TIONS FOR REQUIREMENTS WHICH AFFECT WORK OF THIS SECTION WHETHER OR NOT SUCH WORK IS SPECIFICALLY LOCATIONS AND DETAILS. ADES AFFECTING, OR AFFECTED BY WORK OF THIS SECTION. COOPERATE WITH SUCH TRADES TO ASSURE THE STEADY S: EQUIPMENT AND PERFORMING ALL OPERATIONS IN CONNECTION WITH FINISH GRADING OF TOPSOIL, AND PREPARATION ZING, LIMING, HYDRO-MULCHING, EROSION CONTROL, MAINTENANCE AND PROTECTION OF ALL PLANTED AND PAVED AREAS	SCALE: AS NOTED DWN BY: TG JOB #: 3651 CHK BY: JH PRINT DATE: 12/18/2023 10:41:11 AM
L ENGINEER): /ERS" EMENTS. 6 MATERIAL MEET THE REQUIREMENTS SPECIFIED, SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR THEIR 1 THE REQUIREMENTS OF GENERAL CONDITIONS.	ISSUE DATE: 12/18/2023 FOR CONSTRUCTION REV. DATE COMMENTS
MANUFACTURER'S LITERATURE ON THE FOLLOWING MATERIALS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT. E PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK AND WHO SHALL BE THOROUGHLY FAMILIAR AND THE BEST METHODS FOR THEIR INSTALLATION AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION. ALED PACKAGES BEARING THE PRODUCER'S GUARANTEED ANALYSIS FOR PERCENTAGES OF MIXTURES, PURITY, ATERIAL. SEED SHALL BE LABELED IN CONFORMANCE WITH THE U.S. DEPARTMENT OF AGRICULTURAL RULES AND SEED THAT HAS BECOME WET, MOLDY, OR DAMAGED, WILL NOT BE ACCEPTABLE.	
	SHEET NUMBER: 4 OF 6 LANDSCAPE THE DRAWING AND ITS CONTENT IS THE INTELLECTUAL PROPERTY OF WARRENSTREET ARCHITECTS INC. WITH THE SOLE INTENT TO BUILD THE PROJECT TITLED ABOVE AT ONE LOCATION NOTED HEREIN. THE USE OF THE CONTENT FOR ANY OTHER PURPOSE IS PROHIBITED AND PROTECTED UNDER COPYRIGHT LAW.

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		A B	
		B. SOD: UPON DELIVERY OF SOD TO THE WORK SITE, USE ALL MEANS NECESSARY TO PROTECT AND MAINTAIN THE SOD BEFORE, DURING AND AFTER INSTALLATION. DELIVERY	3.3 TOPSOIL
		AFTER CUTTING. C. FERTILIZER/LIME: FERTILIZER AND LIME SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S GUARANTEED	A. SPREA 1. TOPS
		CHEMICAL ANALYSIS, NAME, TRADE NAME, TRADEMARK, AND CONFORMANCE WITH STATE AND FEDERAL LAWS. IN LIEU OF CONTAINERS, BOTH MATERIALS MAY BE FURNISHED IN BULK AND A CERTIFICATE INDICATING THE ABOVE INFORMATION SHALL ACCOMPANY EACH DELIVERY.	BE HA
		D. STORAGE: SEED, HYDROMULCH, HYDROMULCH BINDER, FERTILIZER AND LIME SHALL BE KEPT IN DRY STORAGE AWAY FROM CONTAMINANTS. THEY SHALL BE UNIFORM IN COMPOSITION, DRY, UNFROZEN AND FREE FLOWING. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY MATERIAL WHICH HAS BECOME CAKED FOR OTHERWISE DAMAGED OR DOES NOT MEET SPECIFIED REQUIREMENTS.	1. GRAI
e toot		E. REPLACEMENTS: IN THE EVENT OF REJECTION OF THE SEED, IMMEDIATELY MAKE ALL REPLACEMENTS NECESSARY TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.	ARCH C. SEED E
es = one		F. SCHEDULES: 1. SEASONAL LIMITATIONS CONDUCT SEEDING OPERATIONS DURING THE SPECIFIED TIME PERIODS. IF SPECIAL CONDITIONS EXIST THAT MAY WARRANT A VARIANCE IN THE SPECIFIED PLANT DATES OR CONDITIONS, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT STATING THE SPECIAL CONDITIONS AND PROPOSED	1. AFTE INTEN
		VARIANCE. G. NOTICE TO PROCEED:	2. IF TH
	-	1. THE CONTRACTOR SHALL NOT PROCEED WITH SEEDING AND SOD PLACEMENT OPERATIONS UNTIL THE IRRIGATION SYSTEM HAS BEEN TESTED AND APPROVED.	COND D. FERTIL
		2.1 TOPSOIL	1. APPL AREAS
		A. TOPSOIL REQUIRED SHALL BE OBTAINED FROM ON-SITE STOCKPILED MATERIAL WHICH WILL BE PLACED BY THE SITE CONTRACTOR. SHOULD ADDITIONAL TOPSOIL BE NEEDED TO BRING LANDSCAPE AREAS UP TO GRADE, THEN IT SHALL BE FURNISHED AND PLACED BY THE SITE CONTRACTOR, WITH IMPORTED MATERIAL FROM A LOCALLY APPROVED SQURCE.	APPLI 2. THE
		B. TOPSOIL SHALL BE A 'FINE SANDY LOAM' OR A 'SANDY LOAM' AS DETERMINED BY MECHANICAL ANALYSIS AND BASED ON THE "USDA" CLASSIFICATION SYSTEM. IT SHALL BE OF UNIFORM COMPOSITION, WITHOUT ADMIXTURE OF SUBSOIL, LOOSE, FRIABLE, AND SHALL CONTAIN ORDINARY AMOUNT OF HUMUS. IT SHALL CONTAIN NO LUMPS OF SOIL,	AND N 3. APPL E SEEDIN
e toot		ROCKS LARGER THAN TINCH, OR STOCKS, OR ROOTS, AND OTHER DEBRIS. IT SHALL BE SUFFICIENTLY FERTILE TO SUSTAIN NORMAL HEALTHY LAWN GROWTH AND SHALL NOT HAVE A PH VALUE HIGHER THAN 7.0 OR LOWER THAN 6.5 THE TOPSOIL SHALL BE DELIVERED IN AN UNFROZEN AND NON-MUDDY CONDITION AND MUST MEET THE APPROVAL OF THE LANDSCAPE ARCHITECT.	1. IMME IS TOO
		C. THE LOAM PLACED IN LANDSCAPE AREAS ON THE SITE MUST BE TESTED AND AMENDED AS RECOMMENDED BY SOIL TESTING FOR LAWNS AND PLANTING. THE COST OF ANY AMENDMENT TO THE LOAM AND TOPSOIL SHALL BE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY. THE SITE CONTRACTOR SHALL FURNISH ADDITIONAL TOPSOIL AS	2. SEEL a. FIN
		REQUIRED.	B. NA
		A. GENERAL: 1. CONTRACTOR SHALL SUBMIT CERTIFICATION TAGS FOR APPROVAL. ALL GRASS SEED SHALL BE:	F. METHO
	-	 FREE FROM NOXIOUS WEED SEEDS AND RECLEANED GRADE A RECENT CROP SEED TREATED WITH APPROPRIATE FUNGICIDE DELIVERED TO THE SITE IN SEALED CONTAINERS WITH DEALER GUARANTEED, ANALYSIS 	2. ARE
	_	 B. FINE LAWN SEED MIXTURE: 1. ALL SEEDED, FINE LAWN AREAS AND INTENDED FOR THE PLAYFIELD AREAS AS DESIGNATED ON THE PLANS, SHALL BE SEEDED WITH THE MIXTURE HEREIN SPECIFIED: 	3. THE 4. SEEI
		NAME OF GRASS PROPORTION BY WEIGHT CLASSIC KENTUCKY BLUEGRASS 20% KENTUCKY BLUEGRASS 20%	GR/ OPI
Ľ	1	PERENNIAL RYEGRASS 20% SR4200 PERENNIAL RYEGRASS 15% SHADOW E CHEWINGS EESCUE 10%	5. BRO
		SHADOW E CHEWINGS FESCUE 10% SHADEMASTER RED FESCUE 10% SR5000 CHEWINGS FESCUE 5%	A H SH/
		C. NATIVE SEED MIXTURE: 1. FOR ALL TURF AREAS NOT DESIGNATED ON THE PLANS FOR USE AS FINE LAWN ON THE PLAYFIELD AREAS, SHALL BE SEEDED WITH THE MIXTURE HEREIN SPECIFIED: NAME OF GRASS PROPORTION BY WEIGHT	6. HYDI a. WI • TF
		TALL FESCUE 53% CREEPING RED FESCUE 41%	• TH
		REDTOP 6% 2. ALL SEED USED SHALL MEET THE FOLLOWING MINIMUM STANDARDS:	• TF
		GERMINATION 85%	AL G. WATER
]	2.3 SOD A. ALL SOD SHALL BE WELL ESTABLISHED MOWN, LAWN GRASS. IT SHALL BE VIGOROUS, WELL ROOTED, HEALTHY TURF FREE FROM DISEASE, INSECT PESTS, WEEDS AND OTHER GRASSES STONES AND ANY OTHER HARMELL OR DELETERIOUS MATTER	2. THE H. PROTE
		B. IT SHALL HAVE BEEN GROWN FROM A SEED MIXTURE IDENTICAL TO THAT SPECIFIED FOR THE FINE LAWN SEED MIXTURE SPECIFIED ABOVE. THIS SOD IS AVAILABLE FOR GOLD STAR SOD FARMS, CANTERBURY, NH. NOT MORE THAN 5% WEED AND UNDESIRABLE GRASSES SHALL BE ALLOWED.	1. PRO
		C. SOD SHALL BE A MINERAL BACKED SOD GROWN IN THE NEW ENGLAND REGION. IT SHALL BE CUT IN UNIFORMLY WIDE STRIPS, 3/4" IN THICKNESS WITH CLEAN, CUT EDGES. SOD SHALL BE ROLLED OR FOLDED PRIOR TO LIFTING AND HANDLING TO PREVENT TEARING, BREAKING, DRYING AND ANY OTHER DAMAGE.	1. GEN
		2.4 SOIL AMENDMENTS A. FERTILIZER:	WA EXF
		 FERTILIZER TO BE SPREAD ON AREAS TO BE SEEDED SHALL BE COMMERCIALLY PREPARED AND SHALL CONTAIN THE FOLLOWING PERCENTAGES BY WEIGHT: LAWN SEED AND SOD AREAS: 16% NITROGEN 	c. MU 2. APPI
5		16% PHOSPHORIC ACID 16% POTASH	a. Wi AS
	-	.5% ZINC 2. USE FERTILIZER PERCENTAGE FOR ESTIMATING PURPOSES ONLY. AFTER ON-SITE, STOCKPILED TOPSOIL HAS BEEN PLACED, THE CONTRACTOR SHALL SUBMIT A LABORATORY CHEMICAL ANALYSIS TO THE LANDSCAPE ARCHITECT FOR REVIEW AND DETERMINATION OF A FERTILIZER ANALYSIS AND APPLICATION RATE. THIS CHEMICAL	SOI 3. APPI
		ANALYSIS SHALL BE OBTAINED FROM A MINIMUM OF FOUR (4) RANDOM SOIL SAMPLES SELECTED AND TAKEN IN THE FIELD PER LANDSCAPEARCHITECT'S/OWNER'S REPRESENTATIVE APPROVAL.	a. Wo MIX MIN
Т]	3. THE TOPSOIL ANALYSIS SHALL INCLUDE THE FOLLOWING CHEMICAL PARAMETERS: PH - NITRATE NPPM	4. APPI a. MI
	' 1	ORGANIC MATTER % PHOSPHOROUS (OLSON) PPM	5. ANC
	_	SODIUM PPM SODIUM MEQ/100G SULFATE PPM	b. AF
П		CONDUCTIVITY MMHGS/CM 4. COMMERCIAL FERTILIZER SHALL BE COMPLETE, UNIFORM IN COMPOSITION, DRY AND FREE FLOWING. THE FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL	a. GE
LL s _L	_ ო	WATERPROOF CONTAINERS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS. D. SUPERPHOSPHATE: 1. INCORPORATE SUPERPHOSPHATE INTO THE TOPSOIL WITH THE FIRST APPLICATION OF COMMERCIAL FERTILIZER AT THE RATE OF TWENTY POUNDS PER THOUSAND	B. AF CR
]	SQUARE FEET OR AT THE RATE DETERMINED FROM THE TEST RESULTS. C. GROUND LIMESTONE: 1. INCORDANTE OPOLINID LIMESTONE INTO THE TOPSOIL AFTER IT HAS BEEN OPPEAD AT THE RATE OF FIETY POLINIDS BED THOUSAND SOLVARE FEET OR AT THE RATE	USDA
	L L	DETERMINED FROM THE TEST RESULTS TO ACHIEVE A PH OF 6.0 TO 6.5. D. MULCH:	LICOL
		1. WHERE A SPECIFIC TYPE OF MULCH IS REQUIRED, THE TYPE WILL BE DESCRIBED IN THE EXECUTION SECTION. WHERE MULCHING REQUIREMENTS CAN BE MET EQUALLY WELL BY ONE OF SEVERAL TYPES, THE CONTRACTOR SHALL HAVE THE OPTION OF SELECTING ONE OF THE ACCEPTABLE TYPES. a. ORGANIC MULCH: JACKI IN ORGANIC MULCH AS MANUFACTURED BY THE VALIGHAN-JACKI IN CORPORATION. EAST 8803 SPRACHE, SPOKANE, WASHINGTON 99213	USDA
- •	- - 7	(TELEPHONE (509) 926-6241), OR APPROVED EQUAL. b. VEGETATIVE MULCH: VEGETATIVE MULCH MATERIAL SHALL BE COMPOSED OF WHEAT STRAW, RYE STRAW OR BARLEY STRAW, IN THAT ORDER OF PREFERENCE AND	Ne
]	SHALL BE FREE OF NOXIOUS WEED SEEDS, STONES, DIRT, ROOTS, STUMPS, OR OTHER FOREIGN MATERIAL. c. CELLULOSE FIBER MULCH: WOOD CELLULOSE FIBER MULCH SHALL CONSIST OF VIRGIN WOOD FIBERS MANUFACTURED FROM WHOLE WOOD CHIPS AND SHALL BE PROCESSED IN SUCH A MANNER THAT IT WILL NOT CONTAIN ANY GROWTH OR GERMINATION INHIBITING FACTORS. THE MULCH SHALL BE DVED AN APPROPRIATED COLOR	9
] 1	TO FACILITATE VISUAL METERING DURING APPLICATION. UPON APPLICATION, THE MATERIAL SHALL PRODUCE A MAT ABSORPTION AND PERCOLATION AND SHALL COVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL. THE WOOD CELLULOSE FIBERS MUST MAINTAIN UNIFORM SUSPENSION IN WATER UNDER AGITATION.	0 / ¹⁰
]	E. MULCH TACKIFIERS: 1. TACKIFIERS MIXED WITH OR APPLIED OVER STRAW SHALL BE TERRA-TACK AR, OR APPROVED EQUAL OF NON-ASPHALTIC FORMULATION. TACKIFIERS USED TO ANCHOR VEGETATIVE OR CELLULOSE FIBER MULCH SHALL BE TERRA TACK III. OR APPROVED EQUAL OF NON-ASPHALTIC FORMULATION	J~~~~
]	F. WATER: 1. WATER SHALL BE AVAILABLE FROM MUNICIPAL SYSTEM THROUGH CONTRACTOR.	Average Minim
	-	G. EROSION CONTROL BLAINKET: 1. EROSION CONTROL FABRIC MAY BE REQUIRED AS AN ADDITIONAL MEASURE TO PREVENT EROSION ON SLOPES GREATER THAN 2:1 AND IN DRAINAGE SWALES. IF THIS MATERIAL IS NECESSARY AND AUTHORIZED WHILE WORK IS IN PROGRESS, THEN THE MATERIAL SHALL BE CURLEX' EROSION CONTROL BLANKET CONSISTING OF A DENSE	Temp (F
]	MAT OF CURLED AND SEASONED ASPEN WOOD EXCELSIOR BOUND WITH A TOUGH, PHOTO-DEGRADABLE, EXTRUDED PLASTIC MESH AS MANUFACTURED BY AMERICAN EXCELSIOR CO., ARLINGTON, TEXAS OR APPROVED EQUAL.	-35 to -30
]	PART 3: E X E C U T I O N	-25 to -20
5	-	3.1 SURFACE CONDITIONS A. INSPECTION: 1. PRIOR TO ALL WORK OF THIS SECTION. CAREFULLY INSPECT THE INSTALLED WORK OF ALL OTHER TRADES AND VERIEV THAT ALL SUCH WORK IS COMPLETE TO THE DOWN	-20 to -15 -15 to -10
		WHERE THIS INSTALLATION MAY PROPERLY COMMENCE. VERIFY THAT SEEDING MAY BE COMPLETED IN ACCORDANCE WITH THE ORIGINAL DESIGN AND THE REFERENCED STANDARDS.	¹⁾ - 10 to -5
-A.rvt		B. DISCREPANCIES: 1. IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT. 2. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL ALL SUCH DISCREPANCIES HAVE BEEN FULLY DESCUVED.	75
JERRY L	4	2. DO NOT ENCOULD WITH INSTALLATION IN AREAS OF DISOREFANOT UNTIL ALL SUCH DISOREFANGLES HAVE BEEN FULLY RESULVED.	
1 BSB D		A. SUBGRADE PREPARATION: 1. SEED BED PREPARATION SHALL PERTAIN TO THE PREPARATION OF THE SURFACE OF THE GROUND TO RECEIVE THE SEED. THE GROUND SHALL BE HAND OR MACHINE RAKED SO AS TO REMOVE ALL DERRIS, CLODS, STONES, OR OTHER EXPECTION MATTER LARGED THAN 4 INCLUSOR A DEPTH OF A INCLUSOR DEPENDING AND OPPENDING AND AND OPPENDING AND AND OPPENDING AND	
RY/3651		TAKED SO AS TO REMOVE ALL DEBRIS, OLODS, STONES, OR OTHER FOREIGN MATTER LARGER THAN TINCH, TO A DEPTH OF 4 INCHES. PRIOR TO DUMPING AND SPREADING OF TOPSOIL, THE SURFACE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 2 INCHES TO FACILITATE BONDING OF TOPSOIL TO SUBGRADE SOIL. WHERE SUBGRADES HAVE BEEN COMPACTED ARTIFICIALLY SCARIFY TO A DEPTH OF 6 INCHES. PRIOR TO SPREADING TOPSOIL, ALL SUBGRADES SHALL BE GRADED EVENLY ACCORDING TO THF	
IR DER	119	CONTRACT DOCUMENTS. 2. SUCH DEBRIS, CLODS, ROCKS, AND OTHER MATERIAL SO REMOVED SHALL BE DISPOSED OF AS APPROVED BY THE LANDSCAPE ARCHITECT/OWNER'S REPRESENTATIVE.	3
BANGC	11/25/20	SEED BED PREPARATION SHALL NOT COMMENCE UNTIL THE MOISTURE CONDITIONS MAKE THE GROUND AREA AND SOIL FRIABLE. B. PREPARING UNDISTURBED AREAS: 1. AREAS TO BE SEEDED, WHICH HAVE NOT BEEN DISTURBED BY SITE GRADING OR TOPSOIL STRIPPING OPERATIONS. SHALL BE MOWED AND RAKED PRIOR TO THE LING AND	Agricultural Résearch Service
s://3651	ATE:	TOPSOILING OPERATIONS. TILLAGE OF THE EXISTING VEGETATION INTO THE GROUND WILL NOT BE ACCEPTED.	OSU
esk Doc	'LATE D,		Oregon State Mapp & g by t
Autod	TEMP		Ole goli State
		A B	

C	D	E		
PSOIL PLACEMENT PREADING:	NEW HAMPSHIRE INVASIVE SPECIES	Warrenstree		
TOPSOIL SHALL BE SPREAD EVENLY ON THE PREPARED AREAS TO A MINIMUM DEPTH OF 6 INCHES AFTER MACHINE COMPACTION. SPREADING SHALL NOT BE DONE WHEN THE GROUND OR TOPSOIL IS FROZEN OR EXCESSIVELY WET. AFTER SPREADING, ANY LARGE, STIFF CLODS OR HARD LUMPS SHALL BE BROKEN UP AND THE GROUND SHALL BE HAND OR MACHINE RAKED TO REMOVE ALL DEBRIS, STONES, AND FOREIGN MATTER LARGER THAN 1 INCH TO A DEPTH OF 4 INCHES. INISH GRADING:	THE NH INVASIVE PLANT SPECIES WATCH LIST 1. IDENTIFY POTENTIALLY INVASIVE NON-NATI AND PRESENCE (BUT NOT NECESSARILY ABUN 2. INFORM PREVENTION (E.G., EARLY DETECTI	Planning Landscapes Architecture Int WARRENSTREET ARCHITECTS, INC. 4 CRESCENT STREET		
GRADE THE AREAS TO FINISH GRADES FILLING AS NEEDED OR REMOVING SURPLUS DIRT AND FLOATING AREAS TO A SMOOTH UNIFORM GRADE. ALL LAWN AREAS SHALL SLOPE TO DRAIN. WHERE NO GRADES ARE SHOWN, AREAS SHALL HAVE A SMOOTH AND CONTINUAL GRADE BETWEEN EXISTING OR FIXED CONTROLS (SUCH AS WALKS, CURBS, OR WALLS). RAKE AND LEVEL AS NECESSARY TO OBTAIN TRUE EVEN LAWN SURFACES. ALL FINISH GRADES SHALL MEET THE APPROVAL OF THE LANDSCAPE	3. INCREASE AWARENESS OF INVASIVE PLANT SCIENTIFIC NAME	T SPECIES. SYNONYMS	COMMON NAME	CONCORD, NEW HAMPSHIRE 03303 P. (603) 225-0640 WWW WARRENSTREET COOP
ARCHITECT BEFORE SEED IS SOWN OR SOD IS PLACED. EED BED PREPARATION: AFTER EINIGH ORADING AND WAT RECORD OFFICIAL AREAS TO BE SEEDED SHALL BE LOOSENED TO PROVIDE A ROUGH FIRM BUT FINELY BUILVERIZED SEED RED. THE	ABUTILON THEOPHRASTI MEDIK.		VELVETLEAF INDIAN-MALLOW	
AFTER FINISH GRADING AND JUST BEFORE SEEDING, THE AREAS TO BE SEEDED SHALL BE LOUSENED TO PROVIDE A ROUGH, FIRM BUT FINELY POLVERIZED SEED BED. THE NTENT IS A TEXTURE CAPABLE OF RETAINING WATER, SEED, AND FERTILIZER WHILE REMAINING STABLE AND ALLOWING SEED TIME TO GERMINATE. SEED SHALL BE APPLIED TO THE CONDITIONED SEED BED NOT MORE THAN 48 HOURS AFTER THE SEED BED HAS BEEN PREPARED.	ACER GINNALA MAXIM. AGROSTEMMA GITHAGO L. VAR. GITHAGO	LYCHNIS GITHAGO (L.) SCOP.	AMUR MAPLE COMMON CORNCOCKLE	OWNER BANGOR SAVINGS BANK
IF THERE HAS BEEN A TIME LAPSE BETWEEN THE PLACEMENT OF TOPSOIL AND SEEDING OPERATIONS TO ALLOW IT TO BECOME SETTLED AND COMPACTED ON THE SURFACE. THE AREA TO BE PLANTED WITH SEED SHALL BE THOROUGHLY HARROWED, WORKED TO A DEPTH OF 4 INCHES SO AS TO PROVIDE A SURFACE OF SUCH	AIRA CARYOPHYLLEA L.	ASPRIS CARYOPHYLLEA (L.) NASH	COMMON SILVER-HAIRGRASS	46 CRYSTAL AVE. DERRY, NH 03038
CONDITION THAT IT WILL ALLOW HAND RAKING AND APPLICATION OF THE SEED IN COMPLIANCE WITH THESE SPECIFICATIONS. FRTILIZER/SOIL AMENDMENTS:	ALLIUM VINEALE L.	AMORPHA ERUTICOSA I, VAR, ANGUSTIFOLIA PURSH [,] A, ERUTICOSA I, VAR, OBLONGIFOLIA PALMER [,] A	CROW GARLIC	
APPLICATION OF FERTILIZER WILL BE IN 2 STAGES. TWO WEEKS PRIOR TO APPLICATION OF SEED, FERTILIZER SHALL BE APPLIED AT THE RATE OF 3 LBS/1000 S.F. FOR TURF AREAS. FERTILIZER SHALL BE APPLIED BY BROADCASTING OR DRILL METHODS, IT SHALL BE APPLIED SEPARATELY FROM THE SEED AND MIXED INTO THE SOIL TO A MINIMUM	AMORPHA FRUTICOSA L.	FRUTICOSA L. VAR. TENNESSEENSIS (SHUTTLW. EX KUNZE) PALMER	FALSE INDIGO-BUSH	CONSTRUCTION MANAGER TITLE 1
DEPTH OF 2 INCHES AND MAY BE INCORPORATED AS PART OF THE TOPSOIL PLACEMENT AND SEED BED PREPARATION OPERATIONS. SPRINKLE IMMEDIATELY AFTER INITIAL APPLICATION OF THE FERTILIZER WITH A FINE SPRAY UNTIL GROUND IS THOROUGHLY SATURATED, WITH PARTICULAR CARE TO AVOID RUNOFF ON SLOPING AREAS. THE 2ND APPLICATION WILL FOLLOW THE FOLLOWING SEASON WITHIN THE SPECIFIED WARRANTY PERIOD AT A RATE DETERMINED BY SOIL TEST RESULTS FOR BOTH TURF AND NATIVE GRASS/ WILDFLOWER AREAS.	BARBAREA VULGARIS AIT. F.	BARBAREA ARCUATA (OPIZ EX J. & K. PRESL) REICHENB.; B. STRICTA, OF AUTHORS NOT ANDRZ.; B. VULGARIS VAR. ARCUATA (OPIZ EX J. & K. PRESL) FRIES; CAMPE BARBAREA (L.) W. WIGHT EX PIPER; C. STRICTA, OF AUTHORS NOT (ANDRZ.) W. WIGHT EX PIPER; ERYSIMUM BARBAREA L.	GARDEN YELLOW-ROCKET	TITLE 2 STREET CITY, STATE ZIP P. () F. ()
APPLICATION OF SUPERPHOSPHATE AND GROUND LIMESTONE SHALL BE APPLIED AT RATES DETERMINED BY SOILS TEST RESULTS. EEDING:	BRASSICA JUNCEA (L.) CZERN.	BRASSICA JUNCEA (L.) CZERN. VAR. CRISPIFOLIA BAILEY; SINAPIS JUNCEA L.	CHINESE MUSTARD	
IMMEDIATELY PRIOR TO THE APPLICATION OF THE SEED, THE SOIL SHALL BE LOOSE TO A DEPTH OF AT LEAST 1 INCH AND FREE FROM ALL MATERIAL AS SPECIFIED. IF SOIL S TOO LOOSE OR DRY FOR GOOD HANDLING, IT SHOULD BE MOISTENED AND ROLLED LIGHTLY.	BRASSICA NIGRA (L.) W.D.J. KOCH	SINAPIS NIGRA L. ANISANTHA TECTORUM (L.) NEVSKI	BLACK MUSTARD	
a. FINE LAWN SEED SHALL BE SOWN AT A RATE OF 3.0 POUNDS PER 1000 SQUARE FEET AND SHALL BE PLANTED IN THE SPRING FROM APRIL LST TO MAY 30TH OR IN THE FALL FROM AUGUST 16TH TO OCTOBER 1ST.	CARDAMINE IMPATIENS L.		NARROW-LEAVED BITTER-CRESS	
B. NATIVE SEED MIX SHALL BE SOWN AT A RATE OF 5.0 POUNDS PER 1000 SQUARE FEET AND SHALL BE PLANTED IN THE SPRING FROM APRIL LST TO MAY 30TH OR IN THE FALL FROM AUGUST 16TH TO OCTOBER 1ST.	CENTAUREA JACEA L.	CENTAUREA DEBEAUXII GREN. & GODR. SSP. THUILLIERI DOSTÁL; C. JACEA L. SSP. DECIPIENS (THUILL.) ČEL C. JACEA L. SSP. PRATENSIS ČELAK.; C. PRATENSIS THUILL.; C. THUILLIERI (DOSTÁL) J. DUVIGN. & LAMBINON; CYANUS JACEA (I.) P. GAERTN.: JACEA PRATENSIS I AM.	AK.; BROWN KNAPWEED	
SEEDING BY DRILL IS PREFERABLE, HOWEVER, HYDRAULIC SEEDING OR BROADCASTING WILL BE PERMITTED. BROADCAST SEEDING AND HYDRAULIC SEEDING SHALL NOT BE JSED DURING ADVERSE WEATHER.	CENTAUREA NIGRA L.	JACEA NIGRA (L.) HILL	BLACK KNAPWEED	-
AREAS SOWN BY HYDRAULIC OR BROADCAST METHODS WILL BE VISUALLY INSPECTED FOR UNIFORMITY OF APPLICATION. AREAS WHICH FAIL TO REVEAL AN AVERAGE OF TWO SEEDS PER SQUARE INCH WILL BE RESOWN AT NO ADDITIONAL EXPENSE TO THE OWNER.	CHELIDONIUM MAJUS L.	CHELIDONIUM MAJUS L. VAR. LACINIATUM (P. MILL.) SYME; C. MAJUS L. VAR. PLENUM WEHRHAHN	GREATER CELANDINE	
THE APPLIED SEED, REGARDLESS OF APPLICATION, SHALL NOT BE COVERED BY A SOIL THICKNESS NO GREATER THAN 1/2 INCH. SEEDING BY DRILL:	CIRSIUM VULGARE (SAVI) TEN.	CARDUUS LANCEOLATUS L.; C. VULGARIS SAVI; CIRSIUM LANCEOLATUM (L.) SCOP.	COMMON THISTLE	
GRASS SEED. SEED MUST BE UNIFORMLY DISTRIBUTED IN THE DRILL HOPPER DURING THE DRILLING OPERATION. ALL GRASS ESTABLISHMENT EQUIPMENT SHALL BE OPERATED PERPENDICULAR TO THE SLOPE DRAINAGE. A DRILL SHALL BE NO WIDER THAN THE WIDTH OF THE AREA WHICH IT IS TO OPERATE. THE ROWS OF PLANTED	CONVOLVULUS ARVENSIS L.	STROPHOCAULOS ARVENSIS (L.) SMALL	FIELD BINDWEED	
SEEDS SHALL BE A MAXIMUM OF 8 INCHES APART AND SHALL BE AT RIGHT ANGLES TO THE FINISHED SLOPES. BROADCAST SEEDING:	DIGITARIA SANGUINALIS (L.) SCOP.	PANICUM SANGUINALE L.	HAIRY CRABGRASS	
a. WHEN SEED IS SOWN BY BROADCASTING, EXERCISE GREAT CARE THAT A UNIFORM DISTRIBUTION OF SEED IS OBTAINED. SEEDING SHALL BE DONE ON A STILL DAY USING A HOPPER TYPE SEEDER WITH ONE HALF OF THE SEED FOR EACH AREA BEING SOWN AT RIGHT ANGLES TO THE OTHER HALF. SEED DISTRIBUTION BY BROADCASTING	EICHHORNIA CRASSIPES (MART.) SOI MS-I AUBACH	EICHHORNIA SPECIOSA KUNTH; PIAROPUS CRASSIPES (MART.) RAF.	COMMON WATER-HYACINTH	
SHALL BE COVERED WITH 1/4 TO 1/2 INCH OF SOIL. THE SEED MAY BE COVERED BY RAKING, DRAGGING, OR BY APPROPRIATE MECHANICAL MEANS. HYDRAULIC SEEDING:	ELYMUS REPENS (L.) GOULD	AGROPYRON REPENS (L.) GOULD; ELYTRIGIA REPENS (L.) DESV. EX B.D. JACKSON; TRITICUM REPENS L.	CREEPING WILD-RYE	
 THE CONTRACTOR MUST PROVIDE ONE POUND OF MULCH PER EACH THREE GALLONS OF WATER IN THE HYDROSEEDER AS A CUSHION AGAINST SEED DAMAGE. THE MULCH USED AS A CUSHION MAY BE PART OF THE TOTAL REQUIRED MULCH WITH THE REMAINDER APPLIED AFTER THE SEED IS METERING DURING APPLICATION. 	EPILOBIUM HIRSUTUM L.		HAIRY WILLOW-HERB	
• THE CONTRACTOR MAY APPLY MULCH AND LAWN SEED MIX HYDRAULICALLY IN A SINGLE APPLICATION, PROVIDING ONE HALF OF THE SEED HAS BEEN SOWED BY BROADCAST OR DRILL METHODS AS AN INITIAL APPLICATION AND THE RATE OF APPLICATION OF LAWN SEED MIX INCREASED BY 4 POUNDS PER 1000 SQUARE FEET.	EPIPACTIS HELLEBORINE (L.) CRANTZ	EPIPACTIS LATIFOLIA (L.) ALL.; SERAPIAS HELLEBORINE L.	BROAD-LEAVED HELLEBORINE	
• THE APPLICATION OF THE SEED SLURRY SHALL BE MADE WITH EQUIPMENT HAVING A BUILT-IN AGITATION SYSTEM AND OPERATING CAPACITY SUFFICIENT TO AGITATE, SUSPEND AND HOMOGENEOUSLY MIX A SLURRY CONTAINING WATER, SEED, AND MULCH OF SEED. THE SLURRY SHALL BE SPRAYED OVER THE SOIL IN A UNIFORM COAT.		EUONYMUS FORTUNEI (TURCZ.) HANDMAZZ VAR. RADICANS (SIEB. EX MIQ.) REHD.; E. FORTUNEI (TURCZ.)		
ALL HYDRAULICALLY SEED AREAS SHALL BE HYDROMULCHED UPON COMPLETION. VATERING: WATERING IMMEDIATELY AFTER SEEDING OR MULCHING WITH A FINE SPRAY TO A DEPTH OF 6 INCHES. AVOID RUNOFF ON SLOPING AREAS.		HANDMAZZ VAR. VEGETUS (REHD.) REHD.; E. RADICANS SIEB. EX MIQ.; E. RADICANS SIEB. EX MIQ. VAR. VEGETUS REHD.		
THE SURFACE LAYER OF THE SOIL MUST BE KEPT DAMP BY FREQUENT LIGHT WATERING DURING THE GERMINATION PERIOD AND UNTIL PLANTS ARE FIRMLY ROOTED. ROTECTION: PROTECT ALL SEEDED AREAS BY ERECTING TEMPORARY FENCES BARRIERS, SIGNS, ETC, AS NECESSARY TO PREVENT TRAMPLING, THEY SHALL REMAIN IN PLACE FOR AT	FICARIA VERNA HUDS. SSP. FERTILIS	FESTUCA CAPILLATA LAM.; F. OVINA L. VAR. CAPILLATA (LAM.) ALEF.; F. TENUIFOLIA SIBTHORP FICARIA VERNA HUDS. SSP. BULBIFERA A. & D. LÖVE; RANUNCULUS FICARIA L. SSP. BULBILIFER LAMBINON; R FICARIA L. SSP. BULBIFERA (MARSDEN, IONES) LAWAI REF. AN ILLEGITIMATE NAME: R. FICARIA VAR. BULBIEFI	FINE-LEAVED SHEEP FESCUE	
LEAST SIX WEEKS UNLESS OTHER ARRANGEMENTS ARE MADE WITH THE LANDSCAPE ARCHITECT. JLCHING:		MARSDEN-JONES		
GENERAL a. MULCH ALL HYDROSEEDED AREAS, DRAINAGE SWALES, SLOPES 4:1 OR STEEPER, AND ANY AREAS WHERE LIKELY HAZARD OF EROSION EXISTS. TOPSOIL OR SEED WHICH	GALIUM MOLLUGO L.	OPLOTHECA GRACILIS MOQ.	WHORLED BEDSTRAW	
EXPENSE. B. ALL STRUCTURES SHALL BE PROTECTED FROM HYDRAULIC APPLICATION OF MULCH MATERIAL AND MATERIAL DEPOSITED ON FACILITIES SHALL BE REMOVED.	GLECHOMA HEDERACEA L.	GLECHOMA HEDERACEA L. VAR. MICRANTHA MORIC.; G. HEDERACEA L. VAR. PARVIFLORA (BENTH.) HOUSE; NEPETA HEDERACEA (L.) TREVISAN	GILL-OVER-THE-GROUND	
c. MULCH SHALL NOT BE APPLIED IN THE PRESENCE OF FREE SURFACE WATER, BUT MAY BE APPLIED ON DAMP GROUND. APPLICATION OF ORGANIC MULCH	HYLOTELEPHIUM TELEPHIUM (L.) H. OHBA	SEDUM PURPUREUM (L.) J.A. SCHULTES; S. PURPURASCENS W.D.J. KOCH; S. TELEPHIUM L.	PURPLE ORPINE	
a. WET APPLICATION: ORGANIC MULCH SHALL BE MIXED WITH WATER AT A RATE OF ONE POUND MULCH (DRY WEIGHT) TO ONE GALLON OF WATER HYDRAULICALLY APPLIED AS PER MANUFACTURERS RECOMMENDATIONS AT A MINIMUM RATE OF 2000 POUNDS PER ACRE.	KOCHIA SCOPARIA (L.) SCHRAD.	BASSIA SCOPARIA (L.) A.J. SCOTT; CHENOPODIUM SCOPARIUM L.; KOCHIA SCOPARIA (L.) SCHRAD. VAR. PUBESCENS FENZL; K. SCOPARIA (L.) SCHRAD. VAR. SUBVILLOSA MOQ.	SUMMER-CYPRESS	PROJECT TITLE / ADDRESS:
D. DRY APPLICATION. ORGANIC MOLCH SHALL BE BROADCAST AT A MINIMUM RATE OF 2000 POUNDS PER ACRE, AND SHALL BE ROLLED LIGHTLY TO SET FIRMLY INTO THE SOIL. SOIL. APPLICATION OF WOOD CELLULOSE FIBER MULCH	LAMIUM AMPLEXICAULE L. VAR. AMPLEXICAUL		COMMON HENBIT	BANGOR SAVINGS BANK
a. WOOD CELLULOSE FIBER MULCH SHALL BE APPLIED HYDRAULICALLY. IT SHALL BE MIXED WITH WATER AT THE RATE SPECIFIED BY THE MANUFACTURER AND SHALL BE MIXED IN STANDARD HYDRAULIC MULCHING EQUIPMENT TO FORM A HOMOGENEOUS SLURRY. THE SLURRY SHALL BE SPRAYED UNIFORMLY OVER THE SURFACE AT A	LAMIUM PURPUREUM L.	LAMIUM DISSECTUM WITH.; L. HYBRIDUM, OF AUTHORS NOT VILL.	RED HENBIT	
MINIMUM RATE OF 1800 POUNDS PER ACRE. APPLICATION OF VEGETABLE MULCH	LUPINUS POLYPHYLLUS LINDL. VAR.	LUPINUS PALLIDIPES HELLER; L. POLYPHYLLUS LINDL. VAR. ALBIFLORUS L.H. BAILEY; L. POLYPHYLLUS LINDL.	BLUE LUPINE	46 CRYSTAL AVENUE
a. MOLCH SHALL BE APPLIED IN A UNIFORM MAINNER WITH A MULCH SPREADER AT A MINIMUM RATE OF 1-1/2 TONS PER ACRE WHERE REQUIRED MULCH SHALL BE ANCHORED INTO THE SEED BED BY TUCKING OR APPLICATION OF A TACKIFYING AGENT. ANCHORING MULCH	LYCHNIS FLOS-CUCULI L. SSP. FLOS-CUCULI	CORONARIA FLOS-CUCULI (L.) A. BRAUN; SILENE FLOS-CUCULI (L.) CLAIRVILLE	RAGGED ROBIN LYCHNIS	DERRY, NH 03038
a. GENERAL: ANCHOR MULCH IN ALL AREAS SEEDED WHICH ARE IN THE CONTRACTOR'S OPINION HIGHLY SUSCEPTIBLE TO EROSION. b. APPLICATION: MULCH TACKIFIERS SHALL BE MIXED WITH WATER AT A RATE SPECIFIED BY THE MANUFACTURER AND SHALL BE APPLIED AT A MINIMUM RATE OF 40 POUNDS	LYSIMACHIA ARVENSIS (L.) U. MANNS & A.	ANAGALLIS ARVENSIS L.; A. ARVENSIS L. VAR. CAERULEA (SCHREB.) GREN. & GODR.; A. CAERULEA SCHREB.	SCARLET PIMPERNEL	
PER ACRE. 'CURLEX' EROSION CONTROL BLANKETS - CENERAL FURNICULAND INSTALL / CURLEX' DLANKETS TO SLOPES WHICH ARE IN THE CONTRACTOR'S ODINION HICH X SUSCEPTIBLE TO EROSION AND ITS OCCURDENCE.	LYSIMACHIA VULGARIS L.		GARDEN YELLOW-LOOSESTRIFE	NDSCARD
CANNOT BE PREVENTED BY ANY OTHER MEANS. B. APPLICATION: BI ANKETS WILL BE APPLIED VERTICALLY TO THE SLOPE AND ATTACHED TO THE SLOPE WITH U-SHAPED METAL STAPLES, WITH LEGS 6" IN LENGTH AND 1"	MISCANTHUS SINENSIS ANDERSS.	MISCANTHUS SINENSIS ANDERSS. VAR. GRACILLIMUS A.S. HITCHC.	CHINESE SILVERGRASS	IONATHAN
CROWN. SIZE, GAUGE AND NUMBER OF STAPLES WILL VARY WITH GROUND CONDITIONS, SLOPE, ETC.	MYOSOTIS SCORPIOIDES L.	MYOSOTIS PALUSTRIS (L.) HILL	WATER FORGET-ME-NOT	
DA PLANT HARDINESS ZONE MAP	NASTURTIUM MICROPHYLLUM BOENN. EX REICHENB.	NASTURTIUM OFFICINALE AIT. F. VAR. MICROPHYLLUM (BOENN. EX REICHENB.) THELLUNG; RORIPPA MICROPHYLLA (BOENN. EX REICHENB.) HYL. EX A. & D. LÖVE	ONE-ROWED WATER-CRESS	1/10
DA Plant Hardiness Zone Map	NASTURTIUM OFFICINALE AIT. F.	BAEUMERTA NASTURTIUM-AQUATICUM (L.) HAYEK; RORIPPA NASTURTIUM AQUATICUM (L.) HAYEK; SISYMBRII NASTURTIUM-AQUATICUM L.	JM TWO-ROWED WATER-CRESS	
0 5 10 20 Miles	PERSICARIA I ONGISETA (BRUIJIN) KITAGAWA	PERSICARIA CAESPITOSA (BLUME) NAKAI VAR. LONGISETA (BRUIJN) REED; POLYGONUM CAESPITOSUM BLUM		
ew Hampshire		VAR. LONGISETUM (BRUIJN) STEWARD; P. LONGISETUM BRUIJN PHELLODENDRON AMURENSE RUPR. VAR. SACHALINENSE F. SCHMIDT; P. JAPONICUM MAXIM.; P.		
	POA COMPRESSA L.	SACHALINENSE (F. SCHMIDT) SARG.	FLAT-STEMMED BLUE GRASS	SCALE: AS NOTED DWN BY: TG
	POA NEMORALIS L.		WOOD BLUE GRASS	JOB #: 3651 CHK BY: JH
	POPULUS ALBA L.	POPULUS ALBA L. VAR. BOLLEANA LAUCHE	WHITE POPLAR	PRINT DATE: 12/18/2023 10:41:12 AM
erage Annual Extreme Langaster Berlin) &	RANUNCULUS REPENS L.	RANUNCULUS REPENS L. VAR. DEGENERATES SCHUR; R. REPENS L. VAR. ERECTUS DC.; R. REPENS L. VAR. GLABRATUS DC.; R. REPENS L. VAR. PLENIFLORUS FERN.; R. REPENS L. VAR. VILLOSUS LAMOTTE	SPOT-LEAVED CROWFOOT	ISSUE DATE: 12/18/2023
1976-2005	RAPHANUS RAPHANISTRUM L. SSP. RAPHANISTRUM		WILD RADISH	
to -30 3b -37 2 to -34.4	RHINANTHUS MINOR L. SSP. MINOR	RHINANTHUS CRISTA-GALLI L., IN PART; R. CRISTA-GALLI L. VAR. FALLAX (WIMMER & GRAB.) DRUCE; R. STENOPHYLLUS (SCHUR) SCHINZ & THELLUNG	LITTLE YELLOW-RATTLE	
to-25 4a -34.4 to-31.7 to-20 4b -31.7 to-28.9	RUMEX ACETOSELLA L. SSP. PYRENAICUS (POURRET EX LAPEYR) AKEROYD	ACETOSELLA VULGARIS (KOCH) FOURR. SSP. PYRENAICA (POURRET EX LAPEYR.) Á. LÖVE; RUMEX ACETOSEI	LA SHEEP DOCK	REV. DATE COMMENTS
to-15 5a -28.9 to -26.1 Grefiton	SECURIGERA VARIA (L.) LASSEN	CORONILLA VARIA L.	PURPLE CROWN-VETCH	
to-10 56 -26.1 to-23.3 1 to-5 6a -23.3 to-20.6	SILPHIUM PERFOLIATUM L.		CUP-PLANT ROSINWEED	
	SINAPIS ARVENSIS L.	BRASSICA ARVENSIS RABENH.; B. KABER (DC.) L.C. WHEELER; B. KABER (DC.) L.C. WHEELER VAR. PINNATIFID. (STOKES) L.C. WHEELER	CORN CHARLOCK	
Hanover C Strand R	SOLANUM CAROLINENSE L. VAR. CAROLINENS	SE	CAROLINA NIGHTSHADE	
low of the second of the	SOLANUM DULCAMARA L.			LANDSCAPE
Sullivan Newport	SUNCHUS ARVENSIS L. SORBARIA SORBIFOLIA (L.) A. BRAUN	SUNCHUS ARVENSIS L. SSP. ULIGINOSUS (BIEB.) NYMAN; S. ULIGINOSUS BIEB. SCHIZONOTUS SORBIFOLIUS (L.) LINDL.; SPIRAEA SORBIFOLIA L.	FIELD SOW-THIS ILE FALSE SPIRAEA	SPECIFICATIONS, CONT. 8
Menundy	TANACETUM VULGARE L.	CHRYSANTHEMUM ULIGINOSUM PERS.; C. VULGARE (L.) BERNH.	COMMON TANSY	INVASIVE SPECIES LIST
	TUSSILAGO FARFARA L. TYPHA ×GLAUCA GODR		COLTSFOOT HYBRID CATTAII	
ittural () Bort'smouth	VALERIANA OFFICINALIS L.		COMMON VALERIAN	
Keene Hillsborough	VINCA MINOR L.		LESSER PERIWINKLE	
State Peterborough Nachus				SHEET NUMBER: 5 OF 6 LANDSCAPE
I Climate G to tp State Unite site				THE DRAWING AND ITS CONTENT IS THE INTELLECTUAL PROPERTY OF WARRE ARCHITECTS INC. WITH THE SOLE INTENT TO BUILD THE PROJECT TITLED ABC LOCATION NOTED HEREIN. THE USE OF THE CONTENT FOR ANY OTHER PURP- PROHIBITED AND PROTECTED IMPED CONVOLUTION.
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05 SHEET NUMBER: 5 OF 6 LANDSCAPE THE DRAWING AND ITS CONTENT IS THE INTELLECTUAL PROPERTY OF WARRENSTREET ARCHITECTS INC. WITH THE SOLE INTENT TO BUILD THE PROJECT TITLED ABOVE AT ONE LOCATION NOTED HEREIN. THE USE OF THE CONTENT FOR ANY OTHER PURPOSE IS PROHIBITED AND PROTECTED UNDER COPYRIGHT LAW.

 Martin L. GERRE, Martine C. M. 1990. Martine Martine Mart	INTING AREAS FOR THIS PROJECT RECEIVE FULL COVERAGE OF THE	 STANDARD: AWWA M44 FOR CAST-IRON VALVE CASINGS. TOP SECTION: ADJUSTABLE EXTENSION OF LENGTH REQUIRED FOR DEPTH OF BURIAL OF VALVE. BARREL: APPROXIMATELY 5-INCH DIAMETER. PLUG: WITH LETTERING "WATER." 	3.1 EARTHWORK A. EXCAVATING, TRENCHING, AND BACKFILLING ARE SPECIFIED IN SECTION 31 20 00 "EARTH MOVING." B. INSTALL WARNING TAPE DIRECTLY ABOVE PRESSURE PIPING, 12 INCHES BELOW FINISHED GRADES, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.	
A THE THEY IN THE LANGE OF EREATOR WHITE BUILD E 2000 ULT WE TWALLAW, WE PUMPING AREA THE THE BUILD E 2000 ULT WE TWALLAW, WE PUMPING AREA THE THE BUILD E 2000 ULT WE THAT ALLAW, WE PUMPING AREA THE THE THE THE THE ALL AND AND PUMPING AREA THE THE ALLAW AND PUMPING AREA THE THE ALLAW AND PUMPING AREA THE ALLAWA AND PUMPING AREA THE AL	INTING AREAS FOR THIS PROJECT RECEIVE FULL COVERAGE OF THE	3. BARREL: APPROXIMATELY 5-INCH DIAMETER. 4. PLUG: WITH LETTERING "WATER."	B. INSTALL WARNING TAPE DIRECTLY ABOVE PRESSURE PIPING, 12 INCHES BELOW FINISHED GRADES, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.	1 1
 V BERTINGSONDERS VIENTERSTEINSONDERS VIENTERSTEINSONDERSTEIN				WARP
2. Julia University 4. ACCOUNT CONTROL YOUNG 4. ACCOUNT CONTR		5. BUTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE.	GRAVEL OR CRUSHED STORE WITH SHEET OF ASPHALT-SATURATED FELT AND BACKFILL REMAINDER WITH EXCAVATED MATERIAL.	4 CRE
A PLANE INFORMATION OF THE AND A PLANE AND A PLAN		J. OPERATING WRENCHES FOR IRON GATE VALVE CASINGS: FURNISH TWO STEEL, TEE-HANDLE OPERATING WRENCH(ES) WITH ONE POINTED END, STEM OF LENGTH TO OPERATE DEEPERT RUPIED VALVE. AND SOCKET MATCHING VALVE OPERATING AND SOCKET MATCHING AND SOCKET AND SOCKET MATCHING AND SOCKET MATCHING AND SOCKET AN	1. IRRIGATION MAIN PIPING: 12 INCHES	P. (60?
 b. Straffic Constraints of the second second		2.5 AUTOMATIC CONTROL VALVES	3. DRAIN PIPING: 12 INCHES	WWW.
 CONTROLLER: A CONTROLLER: A CONTROL A CONTROL		A. BRONZE, AUTOMATIC CONTROL VALVES: 1. DESCRIPTION: CAST-BRONZE BODY, NORMALLY CLOSED, DIAPHRAGM TYPE WITH MANUAL-FLOW ADJUSTMENT, AND OPERATED BY 24 V AC SOLENOID.	4. SLEEVES: 24 INCHES 3.2 INSTALLATION OF PIPING	OWN
 Anton Samma S. Alexandroven and Samma S. Server S. Se		B. PLASTIC, AUTOMATIC CONTROL VALVES: 1. DESCRIPTION: MOLDED-PLASTIC BODY, NORMALLY CLOSED, DIAPHRAGM TYPE WITH MANUAL-FLOW ADJUSTMENT, AND OPERATED BY 24 V AC SOLENOID.	A. LOCATION AND ARRANGEMENT: DRAWINGS INDICATE LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS ARE APPROVED ON COORDINATION DRAWINGS.	BANG
 PIET, TURES, TURE		2.6 AUTOMATIC DRAIN VALVES A DESCRIPTION SPRING-LOADED-BALL TYPE OF CORROSION-RESISTANT CONSTRUCTION AND DESIGNED TO OPEN FOR DRAINAGE IF LINE PRESSURE DROPS BELOW 2-1/2 TO 3 PSIG	B. INSTALL PIPING AT MINIMUM UNIFORM SLOPE OF 0.5 PERCENT DOWN TOWARD DRAIN VALVES. C. INSTALL PIPING FREE OF SAGS AND BENDS	46 CR DERF
A Unitable Cost Musices A Unitable A Unitable Cost Musices A Unitable A Uni		2.7 SPRINKLERS	D. INSTALL FIT INCE OF CHARGES IN DIRECTION AND REACED TO PERMIT VALVE SERVICING.	
A CONTRACT AND		A. GENERAL REQUIREMENTS. DESIGNED FOR UNIFORM COVERAGE OVER ENTIRE SPRATAREA INDICATED AT AVAILABLE WATER PRESSURE. B. PLASTIC, EXPOSED, IMPACT-DRIVE ROTARY SPRINKLERS:	E. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. F. INSTALL UNIONS ADJACENT TO VALVES AND TO FINAL CONNECTIONS TO OTHER COMPONENTS WITH NPS 2 OR SMALLER PIPE CONNECTION.	CONE
E. CONCENTRATION OF CONTROL VALUES: ENCOURTED VALUES: ENCOURTED VALUE AND TECHNOLOGY AND CONTROL VALUES: ENCOURTED VALUES AND TECHNOLOGY AND CONTROL VALUES AND TECHNOLOGY AND TECHNOLOGY THE CONTROL TECHNOLOGY AND T		1. DESCRIPTION: A. CONSTRUCTION: ABS AND CORROSION-RESISTANT METALS.	G.INSTALL FLANGES ADJACENT TO VALVES AND TO FINAL CONNECTIONS TO OTHER COMPONENTS WITH NPS 2-1/2 OR LARGER PIPE CONNECTION. H. INSTALL UNDERGROUND THERMOPLASTIC PIPING IN ACCORDANCE WITH ASTM D2774.	TITLE
 B BODS ROW JURGATE CONTROL MULSS IN COLDE PROVINCE OPERATION TO STATE AND AND DESCRIPTION OF THE OWNER D		B. MOUNTING: ABOVEGROUND, EXPOSED ON RISER. 2. CAPACITIES AND CHARACTERISTICS:	I. INSTALL EXPANSION LOOPS IN CONTROL-VALVE BOXES FOR PLASTIC PIPING. J. LAY PIPING ON SOLID SUBBASE, UNIFORMLY SLOPED WITHOUT HUMPS OR DEPRESSIONS.	STRE
al WHENG CAREARS - CHE KINGE SOLUCE, ALL CONTINUES AND AS IN A SINCE THE CALL HER THE CALL HER REFERISION- C ELECTRONIC DESIGNATION FOR HERITARY IN THE AND AND AS IN A SINCE THE CALL HER REFERISION- A CORRECTION MONINESI INSTANTIS IN STREME BRAVIETO GALF OW WILD COMPONENTS ARE INDUCTED SUBJECT ON A SINCE AND IN al MICROARDING INSTANTIS INSTANTIS INSTANTIS BRAVIETO CANONE OF THE CALL HERITARY INTO A SINCE AND INFORMATION AND A SINCE AND INFORMATION IN THE AND A SINCE AND INFORMATION IN THE INSTANTIS	D SPECIAL TIES AND ACCESSORIES.	A, FLOW: 150 GPM. B, ARC: FULL OR HALF CIRCLE.	K. INSTALL DUCTILE-IRON PIPING IN ACCORDANCE WITH AWWA C600.	P. ()
Programment of the control of the co		C. RADIUS: 20 FEET.	3.3 JOINT CONSTRUCTION A DEAM ENDS OF DIDES AND THREE AND DEMOVE BLIDDS REVEL DI AIN ENDS OF STEEL DIDE	
La DECOMPANDE DECOMPANDE CONTROL FOR ALL DAYS AND CONTROL TAKES CONTROL VALUE CONTROL CALL CONTROL CONTROL CONTROL CONTROL CONTROL CONT		C. PLASTIC, POP-UP, GEAR-DRIVE ROTARY SPRINKLERS:	B. REMOVE SCALE, SLAG, DIRT, AND DEBRIS FROM INSIDE AND OUTSIDE OF DIPE AND FITTINGS BEFORE ASSEMBLY.	
U - THE THESE INVESTIGATION OF THE CONTROL OF ALL ON THE CONTROL OF THE CONTROL OF ALL ON THE CONTROL ON THE CONTROL OF ALL ON THE CONTROL ON THE CONTROL	AND COORDINATED WITH EACH OTHER, USING INPUT FROM INSTALLERS	A. BODY MATERIAL: ABS.	C. THREADED JOINTS: THREAD PIPE WITH TAPERED PIPE THREADS IN ACCORDANCE WITH ASME B1.20.1. CUT THREADS FULL AND CLEAN USING SHARP DIES. REAM THREADED PIPE ENDS TO REMOVE BURRS AND RESTORE FULL ID. JOIN PIPE FITTINGS AND VALVES AS FOLLOWS:	
L CONTROLLER TIME SOFELILE. NOLCHE TIME SETTINGS FOR EACH AUTOWATE CONTROLLER ZONE TEQUALITY CONTROLLER TIME SOFELILE. NOLCHE TIME SETTINGS FOR EACH AUTOWATE CONTROLLER ZONE TEQUALITY ASSESSES 14 O BOYO TERMINATION S 15 OWNETTING SOFELILE. NOT SOFELILE SOFELIL	JCH AS SIGNS AND LIGHT STANDARDS.	B. NOZZLE: ABS. C. RETRACTION SPRING: STAINLESS STEEL.	1. APPLY APPROPRIATE TAPE OR THREAD COMPOUND TO EXTERNAL PIPE THREADS UNLESS DRY SEAL THREADING IS SPECIFIED. 2. DAMAGED THREADS: DO NOT USE PIPE OR PIPE FITTINGS WITH THREADS THAT ARE CORRODED OR DAMAGED. DO NOT USE PIPE SECTIONS THAT HAVE CRACKED OR OPEN WELDS.	
1. FLO GULTINGCONTROL REPORTS 1. ACCRECUT REMITTAN 1. ACCR		D. INTERNAL PARTS: CORROSION RESISTANT. 2. CAPACITIES AND CHARACTERISTICS:	D. FLANGED JOINTS: SELECT RUBBER GASKET MATERIAL OF SIZE, TYPE, AND THICKNESS FOR SERVICE APPLICATION. INSTALL GASKET CONCENTRICALLY POSITIONED. USE SUITABLE LUBRICANTS ON BOLT THREADS.	
A CPEATON CAN MARTINE CONTACT DATA EQUILY SAMPLES A CALLPATING: A CONCENTRATION OF A CERTIFIC PROVIDE SCIENCE AND ACCOUNT ON ESCIENCE INVERTIGATION ESCIENCE A CONCENTRATION OF A CERTIFIC PROVIDES AND ACCESSIONES LISTED AND LARGE ON ALLERE BY THE IRRELATION ESCIENCE A PROVIDENT OF A CERTIFIC ACCESSIONES LISTED AND LARGE ON ALLERE BY THE IRRELATION ESCIENCE A PROVIDENT OF A CERTIFIC ACCESSIONES LISTED AND LARGE ON ALLERE AS DETENDED IN VERY ADJ. APPLICATION A PROVIDENT OF A CERTIFIC ACCESSIONES LISTED AND LARGE ON ALLERE AS DECIDING AND ALLERE AND ALL		A. FLOW: 150 GPM. B. POP-LIP HEIGHT: 4 INCHES ABOVEGROUND TO NOZZI E	E. DUCTILE-IRON PIPING GASKETED JOINTS: COMPLY WITH AWWA C600 AND AWWA M41. E. COPPER-TUBING BRAZED JOINTS: CONSTRUCT JOINTS IN ACCORDANCE WITH CDA'S "COPPER TUBE HANDBOOK " USING COPPER-PHOSPHORUS BRAZING FULER METAL	
A COM LINEARCES LINEAR LINEAR SITURT THAT THAT ON SA CERTIFIERED REINGATION DESIGNER - LANDSCAFE CUM I FEE THY THE REBRATION ASSOCIATIO BLECTRON. COMPONENTS DEVICES, AND ACCESSORES, LISTED AND LABELED AS DEFINED IN IFEM YO BY A DUALIFED TESTING AC PHOLATION PART2 - REQUERTS A REGRATION ZAME CONTROL ALTICUMENT COMPARITON WITH CONTROL IFE AND LATIONAL TO COMPANY AND INFORMATION A REGRATION ZAME CONTROL ALTICUMENT COMPARITON WITH CONTROL IFE AND LATIONAL TO CONTROL WAINES. A REGRATION ZAME CONTROL ALTICUMENT COMPARITON WITH CONTROL IFE AND LATIONAL TO SUBJECT TO REPORT A DECISION DESIGN DESIGN OF DEPENT FOR ADVISION COMPARED FAULTION COMPARITON WITH CONTROL LATIONAL TO COMPARITON WAINES. A REGRATION ZAME CONTROL ALTICUMENT COMPARITON WITH CONTROL LATIONAL TO CONTROL WAINES. A REGRATION ZAME CONTROL ALTICUMENT COMPARITON COMPARITON AND PANTING AREAS INDICATES. A DECISION DESIGN DESIGN OF DEPENT FOR ADVISION CONTROL IN COMPARITON AND PANTING AREAS INDICATES. A DECISION DESIGN DESIGN OF DEPENT FOR ADVISION OF DEPENTING AREAS INDICATES. A DECISION DESIGN DESIGN DESIGN CONTROL TO RED DEFERMING SARACE DUAL FINANCE ALSO ADD ADD DEVICES AND ADVISION OF DEPENT TO AND DEVICES. ADD DEVICES AND ADVISION OF DEPENT TO ADVISION OF DEPENT TUBAL ADVISION O		C. ARC: FULL OR HALF CIRCLE.	G. COPPER TUBING SOLDERED JOINTS: APPLY ASTM 8813 WATER-FLUSHABLE FLUX TO TUBE END UNLESS OTHERWISE INDICATED. CONSTRUCT JOINTS IN ACCORDANCE WITH ASTM B828	
The INVALUES ENTITY INTE LANCING A CASHING INFORMATION SCIENCE LINE AND APPLICATION PAPELONION PAP		E. INLET: NPS 3/4.	H. PE VIDE ALL DE	
APPLICATION YEARD PROVINCE YEARD PROVINCE YEARD POWNACE REQUISIONS YEARD POWNACE REQUISIONS YEARD POWNACE REQUISIONS YEARD POWNACE YEARD POWN	GATION ASSOCIATION. IALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND	D. PLASTIC, POP-OP, IMPACT-DRIVE ROTARY SPRINKLERS: 1. DESCRIPTION:	 PVC PIPING SOLVENT-GEMENTED JOINTS: GLEAN AND DRY JOINING SURFACES. JOIN PIPE AND FITTINGS IN ACCORDANCE WITH THE FOLLOWING: COMPLY WITH ASTM F402 FOR SAFE-HANDLING PRACTICE OF CLEANERS, PRIMERS, AND SOLVENT CEMENTS. 	
IPATE - REPORTED. 1 PATE - REPORTED. 2 PATE - REPORTED. 2 PATE - REPORTED. 2 PATE - REPORTED. 2 PATE - REPORTED. 3 PATE - REPORTED. 4 PATE - REPORTED. 3 PATE - REPORTED. 3 PATE - REPORTED. 4 PATE - REPORTED. 5 PATE - REPORTED. 6 PATE - REPORTED. 7 PATE - REPORTED. 7 PATE - REPORTE		A. CASE: ABS. B. POP-UP HEIGHT: 4 INCHES ABOVEGROUND TO NOZZLE.	2. PVC PRESSURE PIPING: JOIN SCHEDULE NUMBER, ASTM D1785, PVC PIPE AND PVC SOCKET FITTINGS IN ACCORDANCE WITH ASTM D2672. JOIN OTHER-THAN-SCHEDULE-NUMBER PVC PIPE AND SOCKET FITTINGS IN ACCORDANCE WITH ASTM D2855.	
A REGATION ZODE CONTROL AUTOMATIC OFFENDING WITH CONTROL FRAME AUTOMATIC CONTROL YALKS BI COATION OF STRUKTERS MAY SERVICE TO KONCE AND CONTROL AND KIND MANUESSANT TO AVOID ADD LICE STANDARDS. INSURVISE THE STRUCT ON CONCERNED OF ALL LAWN AND FUNCTIONS INTO MOLESSANT TO AVOID ADD LICE STANDARDS. INSURVISE AND CONCERNED TO VIEW AND AND ALLONG CONTROL AND YESDE CONTROL AND YESDE AND AND THE THE FULLY OWNES SUIL CONTROL NO. THE DISTURBANCE. CONTROL AND PERSISTIC STRUCTURE OF ADD AND AND ADD AD		C. SPRINKLER CONSTRUCTION: ABS AND OTHER CORROSION-RESISTANT METALS. 2. CAPACITIES AND CHARACTERISTICS:	3. PVC NONPRESSURE PIPING: JOIN IN ACCORDANCE WITH ASTM D2855. 3.4 INSTALLATION OF VALVES	
 AND CLEME STURDARDS TRUNKLAND OF PREPERTIMICATION CONFIDANCE OF ALL TAXA WIND PARTIES AND ASSESSED. C. DELEGATE DEGRON DESION IN OPERICATION CONFIDANCE MERGING YSTEM, MANURE AND REASEN BIOLOGYSTEM. C. DELEGATE DEGRON DEGRON TO PREPERTING TO BE DETERMINED BASED UPON FAXI. STE DISTURBANCE C. ANULASI L. EQUIREMENTS AND DESION CRITIENT TO BE DETERMINED BASED UPON FAXI. STE DISTURBANCE C. ANULASI L. EQUIREMENTS IN DESION CRITIENT TO BE DETERMINED BASED UPON FAXI. STE DISTURBANCE C. ANULASI L. EQUIREMENTS IN PRIVE SOLEDULE: ARTICLE FOR APPLICATIONS OF PIPE, TUBE, AND FITTINGS C. ANULASI L. EQUIREMENTS IN PRIVE SOLEDULE: ARTICLE FOR APPLICATIONS OF PIPE, TUBE, AND FITTINGS FOR PERS. C. DERITIER CONTROLLED L. BASTIN 223, PF. SAR COMPOLID, SDR 15 T. INGERT FITTINGS FOR PERS. C. PERSTER, C. RUDOS, CONTROLLED L. BASTIN 223, PF. SAR COMPOLID, SDR 15 T. PE FOPF, VITE CONTROLLED L. BASTIN 223, PF. SAR COMPOLID, SDR 15 T. PE FOPF, VITE CONTROLLED L. BASTIN 224, PC. 110 2000, PL. TUBE, CAND THE BARGED ENDS. INCLUDE BANDS OR OTHER PAS P. C. SCORTE, TUTINGS FOR THE SARTIN 224, PC. 110 2000, PL. TUBE, CAND THE BARGED ENDS. INCLUDE BANDS OR OTHER PAS J. POSCORTE, TUTINGS FOR THE SARTIN 224, PC. 110 2000, PL. TUBE, CAND THE BARGED ENDS. INCLUDE BANDS OR OTHER PAS J. POSCORTE, TUTINGS FOR THE SARTIN 224, PC. 110 2000, PL. TUBE, CAND THE BARGED ENDS. INCLUDE BANDS OR OTHER PAS J. POSCORTE, TUTINGS FOR THE SARTIN 224, PC. 110 2000, PL. TUBE, CAND THE BARGED ENDS. INCLUDE BANDS OR OTHER PAS J. POSCORTE, TUTINGS FOR THE SARTING 230, PL. SARE BARGED ENDS. J. POSCORTE, TUTINGS FOR THOR SARTING 231, PL. SARE BARGED ENDS. J. POSCORTE, TUTINGS FOR THOR SARTING 231, PL. SARE BARGED ENDS. J. SARE MARTINGS SARTING 234, PL. SARE BARGED ENDS. J. BOSCORTE, TUTINGS FOR THOR SARTIN	VECESSARY TO AVOID PLANTINGS AND ORSTRUCTIONS SUCH AS SIGNS	A. NOZZLE: BRASS. B. FLOW: 150 GPM.	A. UNDERGROUND CURB VALVES: INSTALL IN CURB-VALVE CASINGS WITH TOPS FLUSH WITH GRADE. B. UNDERGROUND IRON GATE VALVES, RESILIENT SEAT: COMPLY WITH AWWA C600 AND AWWA M44, INSTALL IN VALVE CASING WITH TOP FLUSH WITH CRADE	
La DESCRIPTION DEVICES TO PERSONNEL NO PERSONNEL PROVIDENCE PROVIDENCE CAMPACIENTER SUBJECTS AND		C. ARC: FULL OR HALF CIRCLE.	1. INSTALL VALVES AND PVC PIPE WITH RESTRAINED, GASKETED JOINTS.	
1 AVAILABLE LAND RECENSES THE PEOLOSMA CARE MINIMUM PRESSURE REPUBLICANCE THE OF PPING, VALVES, AND SPECIAL TES MINIMUM MONE PRESSURES THE PEOLOSMA CARE MINIMUM PRESSURE REPUBLICANCES FOR PPING, VALVES, AND SPECIAL TES MINIMUM MONE PRESSURES THE PEOLOSMA CARE MINIMUM PRESSURE REPUBLICANCES OF PPECTURE, AND FITTING SATERIALS, AND FOR SERVICE LOCATIONS, AND PPE SIZES 2 PERFERTINGS, AND PRESSURES AND DESCRIPTION OF PPECTURE, AND FITTING MATERIALS, AND FOR SERVICE LOCATIONS, AND PPE SIZES 2 PERFERTINGS, AND MESSING SCHEDULES AND DESCRIPTIONS OF PPECTURE, AND FITTING MATERIALS, AND FOR SERVICE LOCATIONS, AND PPE SIZES 2 PC THREADER THREES, STILD DESCRIPTIONS, SIZES AND DESCRIPTIONS, SIZES 4 PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 3 PC PC SOCKET FITTINGS, AND AND DESCRIPTIONS, AND DESCRIPTIONS, SIZES 4 PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 4 PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 4 PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 5 PC PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 4 PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 5 PC PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 5 PC PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 5 PC PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 5 PC PC PC PERFERTINGS, STILD DESCRIPTIONS, AND AND SIZES 4 PC PC PC PERFERTINGS, AND	EERING ANALTSIS BT A QUALIFIED PROFESSIONAL ENGINEER, USING	E. INLET: NPS 3/4.	D. THROTTLING VALVES: INSTALL AS COMPONENTS OF CONNECTED PIPING STSTEM. D. THROTTLING VALVES: INSTALL IN UNDERGROUND PIPING IN BOXES FOR AUTOMATIC CONTROL VALVES.	
1. IRRATION MAM PERMIS 20 PSG. 2. ORCUT PMONE 100 PSG. 22 PMGS. TUBES, AND FITTINGS 4. COMPLY INFORMED 100 PSG. 4. STATUSES, TUBES, AND FITTINGS 4. COMPLY INFORMED TO ANY ACCOUNT ON COMPLY ANY ACCOUNT ON THE AND EXECUTE AND FITTING ANTERNALS, AND FOR 4. PEPH WITH CONTROLLED IN STIM 2023, PE VIA COMPOUND, SOLED LLS 44, AND 80. 1. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTINGS FOR THE PRE-STATU CONTINUES AND 80. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATE TO THAT OF HAST OF MAX 500 PSR 70. 7. PMONES CONTENTION SIMULATES AND THE THE ADD MATERNAL RECOMMENDED SUPERMOLES NOT THE PSR 70. 7. PMONES CONTENT CONTEN	S, AND SPECIALTIES UNLESS OTHERWISE INDICATED:	E. PLASTIC, SURFACE SPRAY SPRINKLERS: 1. DESCRIPTION:	E. DRAIN VALVES: INSTALL IN UNDERGROUND PIPING IN BOXES FOR AUTOMATIC CONTROL VALVES. 3.5 INSTALLATION OF SPRINKLERS	
22 PRESETURES. AND FITTINGS A COMPLY WITH REQUERENTS IN "PIPING SCHEDULE" APTICLE FOR APPLICATIONS OF PIPE. TURE, AND FITTING MATERIALS, AND FOR SERVICE LOCATIONS, AND PIPS SIZES. B F PIPE VITH REQUERENTS IN "PIPING SCHEDULE" APTICLE FOR APPLICATIONS OF PIPE. TURE, AND FITTINGS FOR PIPE PIPE. ANTIN DOIS, WITH ONE PIPING SCHEDULES ON 2 PVC THREADED FITTINGS FOR DEVELSES I INSERT FITTINGS FOR PIPE. ASTIN DOIS, WITH ONE PIPING SCHEDULES ON 2 PVC THREADED FITTINGS ASTIN DOVA, SOCHEDULES ON 2 PVC THREADED FITTINGS ASTIN DOVA, SOCHEDULES ON AND 30 2 PVC THREADED FITTINGS ASTIN DOVA, SOCHEDULES ON THAT OF HASS SP-107. EXCEPT BOTH HEADPIECE AND TAILPIECE SHALL BE PVC 1 D. PVC PPE FIRESSURE RATE ASTIN DOZAL, PVC 110 COMPOUND, SOR 26. 1 PVC SOCKET UNKONS, CONSTRUCTION SIMULAR TO THAT OF HASS SP-107. EXCEPT BOTH HEADPIECE AND TAILPIECE SHALL BE PVC 1 D. PVC PPE FIRESSURE RATE ASTIN DOZAL PVC 110 COMPOUND, SOR 26. 1 PVC SOCKET UNKONS, CONSTRUCTION SIMULAR TO THAT OF HASS SP-107. EXCEPT BOTH HEADPIECE AND TAILPIECE SHALL BE PVC 1 D. PVC PPE FIRESSURE RATE, SOL AND AND AND 30 2 PVC SOCKET UNKONS, CONSTRUCTION SIMULAR TO THAT OF HASS SP-107. EXCEPT BOTH HEADPIECE AND TAILPIECE SHALL BE PVC 1 D. PVC PPE FIRESSURE RATES AND		A. BODY MATERIAL AND FLANGE: ABS. B. PATTERN: FIXED, WITH FLOW ADJUSTMENT.	A. INSTALL SPRINKLERS AFTER HYDROSTATIC TEST IS COMPLETED. B. INSTALL SPRINKLERS AT MANUFACTURER'S RECOMMENDED HEIGHTS.	
SERVICE LOCATIONS, AND PIPE 9225 B PE PIPE VITTINGS FOR PIPE 1825 D PE PIPE VITTINGS FOR PIPE 1837N 02206, F2 408 COMPOUND. SIDE 15. 1. INSERT FITTINGS FOR PIPE 1837N 02206, SCHEDULES 40 AND 80. 2. PVC THREADENTITINGS, STIM 0246, SCHEDULES 40 AND 80. 2. PVC TREADENTITINGS AND 1246, SCHEDULES 40 AND 80. 3. PVC 30CKET FITTINGS CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D PVC SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D PVC SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D PVC SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D PVC SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D PVC SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D PVC SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D PVC SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D SOCKET UNIONS. CONSTRUCTION SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D SOCKET UNIONS. SAVE AND SMULAR TO THAT OF MASS SPI07. EXCEPT BOTH HEADPIECE AND TALPIECE SHALL BE PVC 1 D SOCKET PUT AND AND AND AND AND AND TALPIECE SHALL D PVC 1 D SOCKET UNIONS. SAVE AND AND UNIT SAVE BE 432. CARRON STELL UNIESS OTHERWISE AND	IATERIALS, AND FOR JOINING METHODS FOR SPECIFIC SERVICES	2. CAPACITIES AND CHARACTERISTICS: A. NOZZLE: BRASS.	C. LOCATE PART-CIRCLE SPRINKLERS TO MAINTAIN A MINIMUM DISTANCE OF 4 INCHES FROM WALLS AND 2 INCHES FROM OTHER BOUNDARIES UNLESS OTHERWISE INDICATED. 3.6 INSTALLATION OF AUTOMATIC IRRIGATION CONTROL SYSTEM	
The Construction of t		B. FLOW: 150 GPM. C. ARC: FULL OR HALF CIRCLE	A. EQUIPMENT MOUNTING, INTERIOR: INSTALL CONTROLLERS ON INTERIOR WALL. 1. PLACE AND SECURE ANCHORAGE DEVICES, LISE SETTING DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS EURNISHED WITH ITEMS TO BE EMPEDDED.	
LUTVEY PERSONNEL AND TABLES AND USE SUPERVISES AND BU 1 PROCESSORET MICROS CONSTRUCTION SIMULAR TO THAT OF MISS SH-10, EXCEPT BOTH HEADRIEGE AND TALEPECE SHALL BE PVC 1 DVC PIEP, PROSPERSIVE RATED-SAY TO 241, PVC 100, COMPOUND, SIR 26. 1 PVC SOCKET HITTINGS, ASTIM D24F, 20 SEPAULE 80. 2 PVC SOCKET HITTINGS, ASTIM D24F, 20 SEPAULE 80. 2 PVC SOCKET HITTINGS, ASTIM D24F, 20 SEPAULE 80. 2 PVC SOCKET HITTINGS, ASTIM D24F, 20 SEPAULE 80. 3 PVIRING, CONNEMATERIALS, ANWA C110, RUBBER, FLAT FAGE, 16 INCH THICK UNLESS OTHERWISE INDICATED. 4 PVE FLAVKE GAKET MATERIALS, ANA ASIA BLCU STRUCTURE VIRIES SOTHERWISE INDICATED. 5 PVICTURE, PROVINCE CONSTRUCTION SIMULAR TO THAT OF MISS SH-10, EXCEPT BOTH HEADRIEGE AND TALEPICS SHALL BE PVC 1 2 SIMULATION INFORMATION SIMULAR ASIA BLCU STRUCTURE VIRIES STHERWISE INDICATED. 5 PVC SOCKET HITTINGS, ASIM B20, EAST RESEARCH SCHOOL SCHOO	NDS OR OTHER FASTENERS.	D. RADIUS: 20T FEET.	 PLACE AND SECURE ANCHORAGE DEVICES. USE SETTING DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS FORNISHED WITH THEMS TO BE EMBEDDED. INSTALL ANCHOR BOLTS TO ELEVATIONS REQUIRED FOR PROPER ATTACHMENT TO SUPPORTE DEVICES. 	
2. PiC THREADED HTTINGS. ASTM 12445. Schedule 80. 3. PiC SOCKET UNIONS: CONSTRUCTION SIMILAR TO THAT OF MISS SP-107, EXCEPT BOTH HEADPHEDE AND TALPIECE SHALL BE PYC 1 3. PiC SOCKET THITINGS. ASTM 12447. Schedule 81. 1. PiC SOCKET THITINGS. ASTM 12447. Schedule 81. 3. PiC SOCKET THITINGS. ASTM 12447. Schedule 81. 3. PiC SOCKET AND SPICE AND SPICETOR SPICE 1. PICE 2017 SCHEDULE 2017 SCHED		E. INLE I: NPS 3/4. F. PLASTIC, SURFACE, POP-UP SPRAY SPRINKLERS:	B. EQUIPMENT MOUNTING, EXTERIOR: INSTALL EXTERIOR FREESTANDING CONTROLLERS ON PRECAST CONCRETE BASES. 1. PLACE AND SECURE ANCHORAGE DEVICES. USE SETTING DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS FURNISHED WITH ITEMS TO BE EMBEDDED.	
D. PYC OPEP. PRESSURE RATE: ASTM 02241, PYC 112 COMPONE, SDR 26. 1. PYC SOCKET UNIXOS. SOM TOTALS AND BUDGES 0. 2. PYC SOCKET UNIXOS. CONSTRUCTION SIMILAR TO THAT O THAT O THAT O THAT OF ASS SP-107, EXCEPT BOTH HEADPIECE AND TAILPIECE SHALL BE PYC 1. 2. SPR 02, OLIVIER AN ATERNALS. ANY ACTIO, RUBBER, PLAT FACE, 18 INCH THICK UNLESS OTHERWISE INDICATED, FULL-FACE OR 3. BYPET-LANCE CASKET MATERNALS. ANY MACTIO, RUBBER, PLAT FACE, 18 INCH THICK UNLESS OTHERWISE INDICATED, FULL-FACE OR 3. BETAL, PYPET-IANCE BOLTS AND MUTS. SME BIAS 1. CARBON STELE UNLESS OTHERWISE INDICATED. FULL-FACE OR 5. BALL DESCRIPTION IN SPACE AND AND SPACE ADDR 2000. DECIMAL DESCRIPTION IN SPACE ADDR 2000. DECIMAL SPACE ADDR 2000. DECIM	ECE SHALL BE PVC WITH SOCKET ENDS.	1. DESCRIPTION: A. BODY MATERIAL AND FLANGE: ABS.	 INSTALL ANCHOR BOLTS TO ELEVATIONS REQUIRED FOR PROPER ATTACHMENT TO SUPPORTED EQUIPMENT. INSTALL CONTROL CABLE IN SAME TRENCH AS IRRIGATION PIPING AND AT LEAST 2 INCHES BELOW OR BESIDE PIPING. PROVIDE CONDUCTORS OF SIZE NOT SMALLER THAN 	
2. PVC SOCKET UNION: CONSTRUCTION SIMULAR TO THAT OF MSS SP-107, EXCEPT BOTH HEADPIECE AND TAILPIECE SHALL BE PVC I 2. PIPER-JANKE MATERIALS: AWWA AC10, RUBBER, FLAT FACE, 18 INCH THICK UNLESS OTHERWISE INDICATED. PULL-FACE OR 8. META, PIPE-TANGE BOILS MAN DITS ASMB BIAL; CARRON STELL UNLESS OTHERWISE INDICATED. PULL-FACE OR 9. META, PIPE-HANGE BOILS MAN DITS ASMB BIAL; CARRON STELL UNLESS OTHERWISE INDICATED. PULL-FACE OR 9. META, PIPE-HANGE BOILS MAN DITS, SMEDBIAL; CARRON STELL WILLSS OTHERWISE INDICATED. 7. RUSCI, PIPE-FLANGE BOILS MAN DITS, TYPE AND MATERIAL, RECOMMENDED BY PIPING SYSTEM MANUFACTURER UNLESS 7. RUSCI, PIPE-FLANGE BOILS MAN DITS, TYPE AND MATERIAL, RECOMMENDED BY PIPING SYSTEM MANUFACTURER UNLESS 7. RUSCI, PIPE-FLANGE BOILS MAN DITS, TYPE AND MATERIAL, RECOMMENDED BY PIPING SYSTEM MANUFACTURER UNLESS 7. RUSCI, PIPE-FLANGE BOARNON 7. STANDARD WANLES PRESSINE RATING: 150 PSIG. 7. RUSCI, PIPENEL, BRISSO BERONZE WITH BALL OR GROUND-KEY PLUG. 8. DED CONNECTIONS: MATCHING FEMILS: 7. STANDARD WANLESS THEREON WALTER: 7. STANDARD SIMULARIA DIVING: ATTROUVELY CLASSINGS. 7. DP SECTION TELESCOPING, OF LENOTTH REQUIRED FOR DEPTH OF BURILLOF CURB VALVE. 8. DRIVE CASING: 7. STANDARD: SMICH DIVING THEREON. 8. DRIVEN CONNECTION WITH MASE OF SIZE TO IT OVER VALVE. 8. DRIVENE CONNECTION OF LENOTTH REQUIRED FOR DEPTH OF BURILLOF FOOLS) WITH ONE POINTED END, STEM OF 8. DRIVENE THEOR ON ATTR: 8. DRIVENE CONNECTION WITH MASE OF SIZE TO IT OVER VALVE. 8. DRIVENE THOR OF ATTRO: 8. DRIVENE THEOR FOR THE COLLAR 8. DRIVENE CONNECTION WITH MASE OF SIZE TO IT OVER VALVE. 8. DRIVENE THOR OF ATTRO: 8. DRIVENE AND OVER FOR ED SIZE LITEL-HANDLE SHUTOFF RODS) WITH ONE POINTED END, STEM OF 8. DRIVENE THEORY ON ATTRO: 8. DRIVENE THEORY ON A SIZE OF SIZE TO IT OVER VALVE. 8. DRIVENE THEORY ON A SIZE OF SIZE TO IT OVER VALVE. 8. DRIVENE CONNECTION WITH MASE OF SIZE OF SIZE OF SIZE T		B. PATTERN: FIXED, WITH FLOW ADJUSTMENT. 2. CAPACITIES AND CHARACTERISTICS:	RECOMMENDED BY CONTROLLER MANUFACTURER. INSTALL CABLE IN SEPARATE SLEEVE UNDER PAVED AREAS. 3.7 IDENTIFICATION	
A PIPE-FLANGE GASET MATERIALS AWAY ACTIN RUBBER PLAT FACE. 18 INCH THOK UNLESS OTHERWISE MOICATED, PULL-FACE OR META, PIPE-FLANGE GOLTS AND NUTS: SAME BLO LORDS TO TEL UNLESS OTHERWISE MOICATED. BARTAL, PIPE-RUNGE GOLTS AND NUTS: SAME BLO LORDS INCLUED WHILESS OTHERWISE MOICATED. D. SOLDER FLICH METALS. SIMS AS ASAS BLO LIP SERIES, COPPER-PLOSHAGER SALDYS FOR GENERAL-DUTY BRAZING UNLESS OTH D. SOLDER FLICH METALS. SIMS AS LEAD-FREE ALLYS. INCLUED FRIMER IN ACCORDANCE WITH ASTIM BBIS. E. SOLVENT CEMENTS FOR JOINING PVC PIPINGS. SITU 02540, INCLUED FRIMER IN ACCORDANCE WITH ASTIM BBIS. E. SOLVENT CEMENTS FOR JOINING PVC PIPINGS. SITU 02540, INCLUED FRIMER IN ACCORDANCE WITH ASTIM BBIS. E. SOLVENT CEMENTS FOR JOINING PVC PIPING. SITU 02540, INCLUED FRIMER IN ACCORDANCE WITH ASTIM F665. F. NASTIG, PPC-FLANGE GASKET, BOLTS, AND NUTS. TYPE AND MATERIAL RECOMMENDED BY PIPING SYSTEM MANUFACTURER UNLESS A UMB AVUX VSS: 1. DESCRIPTION A STANDARD, JOING CONSTRUCTION OF PING. E. DED CONNECTIONS. MATERIAL SIST PSIG. D. BOUY MATERIAL SPRSS OR BROWE WITH BALL OR GROUND-KEY PLUG. E. BUD CONNECTIONS. MATERIAL SIST PSIG. D. BOUY MATERIAL SPRSS OR BROWE WITH BALL OR GROUND-KEY PLUG. E. BUD CONNECTIONS. MATERIAL SIST PSIG. D. BOUY MATERIAL SPRSS OR BROWE WITH BALL OR ORDER FOR DEPTH OF BURIAL OF CURB VALVE. SAMERAL TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIFON VALVE CASINGS 1. STANDARD, SIMLAR TO AWAY MAH FOR CASTIF	ECE SHALL BE PVC WITH SOCKET OR THREADED ENDS.	A. POP-UP HEIGHT: 4 INCHES B. NOZZI E: BRASS	A. IDENTIFY SYSTEM COMPONENTS. COMPLY WITH REQUIREMENTS FOR IDENTIFICATION SPECIFIED IN SECTION 22 05 53 "IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT." B. FOLUPMENT NAMEPLATES AND SIGNS: INSTALL ENGRAVED PLASTIC-LAMINATE FOLUPMENT NAMEPLATES AND SIGNS ON EACH AUTOMATIC CONTROL FR	
b Mei, Priezewskie Nutrik Visik Sakazah, BOUY SKRIS COPPENDEND ALLO VISIK PROBLEMULUUT BRAZING UNLESS OTH CERRAL INTERNETIAS ANS ANS SALAZAH, BOUY SKRIS COPPENDEND ALLOY FOR CELEBOLUUT BRAZING UNLESS OTH CERRAL INTERNETIAS ANS ANS ANS AND AND AND ALLOY SKRIG COPPENDEND ALLOY FOR CELEBOLUUT BRAZING UNLESS OTH CERRAL INTERNETIAS ANS ANS AND AND AND ALLOY SKRIG COPPENDEND ALLOY FOR CELEBOLUUT BRAZING UNLESS OTH CELEBOLUCIES AND AND ALLOY SKRIG ALLOY SKRIG COPPENDEND ALLOY FOR CELEBOLUCIES AND AND ALLOY SKRIGE AND ALLOY SKRIG ALLOY SKRIG ALLOY SKRIG AND ALLOY SKRIG AND ALLOY SKRIG AND ALLOY SKRIG ALLOY	TED; FULL-FACE OR RING TYPE UNLESS OTHERWISE INDICATED.	C. FLOW: 150 GPM.	1. TEXT: IN ADDITION TO IDENTIFYING UNIT, DISTINGUISH BETWEEN MULTIPLE UNITS, INFORM OPERATOR OF OPERATIONAL REQUIREMENTS, INDICATE SAFETY AND EMERGENCY	
D SOLDER FILLEMME 143: AS IN MI22 LEAD-FREE ALLOYS INCLUDE WATER-FLUSHABLE FLUSH A ACCORDANCE WITH ASKIN BIOLS SOLVENT CENTS FOR JOINNE PC PRIVES ANT DOSEN. INCLUDE PRIVES IN ACCORDANCE WITH ASKIN BIOLS F. PLASTIC, PIPE-FLUNGE GASKET, BOLTS, AND NUTS: TYPE AND MATERIAL RECOMMENDED BY PIPING SYSTEM MANUFACTURER UNLES 2 MANULA, VLYSS A CURP VLYSS 1. DESCRIPTION MAN C800. B SOLV MATERIAL BRASS OR BROADE WITH BALL OR GROUND-KEY PLUG. E EXD CONTENTION PIPENES 5. CHR 1: MO TO PS 2 PRESSURE PATING: 150 PSIG. C CHR 1: MO TO PS 2 PRESSURE PATING: 150 PSIG. C LIPE 1: MO TO PS 2 PRESSURE PATING: 150 PSIG. C LIPE 1: MO TO PS 2 PRESSURE PATING: 150 PSIG. C LIPE 1: MO TO PS 2 PRESSURE PATING: 150 PSIG. 2. TOP SECTION TELESCOPING PIPING. F. STEM. WITH WIDE-TEE HEAD. 5. CHR 2: MUTH WITH DATE TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. STANDARD: SMILLAR TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. STANDARD: SMILLAR TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. STANDARD: SMILLAR TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. STANDARD: SMILLAR TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. STANDARD: SMILLAR TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. STANDARD: SMILLAR TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. STANDARD: SMILLAR TO ANY ANY AND FOR CAST-RON VLYCE CASINGS. 1. OESCRIPTION TELESCOPING OF LENGTH PARAMETER 4. PLUG, WITH LETTERING WATER: 5. BOTTOM SECTION. WITH BASE OF SIZE TO FIT OVER VLYCE. 5. BOTTOM SECTION. WITH BASE OF SIZE TO FIT OVER VLYCE. 5. BOTTOM SECTION. WITH BASE OF SIZE TO FIT OVER VLYCE. 5. DESCRIPTION: A STANDARD MISS SP-110. 8. SWP PATING: SIGN SP-110. 8. SWP PATING: SIGN SP-110. 8. SWP PATING: SIGN SP-110. 9. SWP ATTING: SIGN SP-120. 9. SWP ATTING: SIGN SP-120. 9. SWP	RAZING UNLESS OTHERWISE INDICATED.	E. RADIUS: 20 FEET.	C. WARNING TAPES AND WARN OF HAZARDS AND IMPROPER OPERATIONS. C. WARNING TAPES: ARRANGE FOR INSTALLATION OF CONTINUOUS, UNDERGROUND, DETECTABLE WARNING TAPES OVER UNDERGROUND PIPING DURING BACKFILLING OF TRENCHES.	
F. PLASTIC, PIPE-FLANCE GASKET, BOLTS, AND NUTS: TYPE AND MATERIAL RECOMMENDED BY PIPING SYSTEM MANUFACTURER UNLES 2. MANUAL VIXES 1. DESCRIPTION A. STANDARD: XMWA CB00. B. NPG 1 AND SMALLER PRESSURE RATING: 150 PSIG. C. NPG 1-141 TO NPS 2 PRESSURE RATING: 150 PSIG. D. BOOY MATERIAL: BRASS OR BRONZ: WITH BALL OR GROUND-KEY PLUG. E. END CONNECTIONS: MATCHINO PIPING. F. STEM: WITH WIDE-TEE HEAD. B. CURB-VALVE CASING: 1. STANDARD: XMWA FOR CAST-IRON VALVE CASINGS. 2. TOR SECTION: TELESCOPING, OF LENGTH REQUIRED FOR DEPTH OF BURIAL OF CURB VALVE. 3. BARREL HERAD. 3. BARREL HERAD. 3. BARREL HERAD. 4. FULG: WITH LETTERING TWATER: 4. PLUG: WITH LETTERING TWATER: 4. PLUG: WITH LETTERING TWATER: 5. BOTTOM BSCTION: WITE BASC OF SIZE TO FT OVER VALVE. 6. BABGE SUPPORT: CONCRETE COLLAR. C. SHUTOFR RODS FOR CURB-VALVE CASINGS: TURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF IS 3. OTTOM BARCELONG WITH BASC OF SIZE TO FT OVER VALVE. 5. BOTTOM DOS FOR CURB-VALVE CASINGS: TURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF IS 3. OTTOP END ANTCHING CURB VALVE FOR PROJECT. 1. DESCRIPTION: A. STANDARD. MSS SP-110. B. SWP RATING: 500 FSIG. C. CWP PATING: 500 FSIG. C. CWP ATING: 500 FSIG. D. BODY DESIGN. TWO PIECE. 1. BOLK: DARAD: MSS SP-110. B. SWP RATING: 500 FSIG. 3. DARLE. LARKED ON SOLDER JOINT IF INDICATED. G. SEATER FIFE OR FIE. H. STEM. BRASS. 1. BALL. CHROME-PLATED BRASS. 3. J. PORT. FULL 5. LEBCOVE BALL VALVES: 1. DESCRIPTION: A. STANDARD. MSS SP-110. B. SWP RATING: 500 FSIG. C. CWP PATING: 500 FSIG. C. SWP TATING BOURS SP-110. B. SWP RATING: 500 FSIG. C. SWP PATING: 500 FSIG. C. SWP PATING: 500 FSIG. C. SWP RATING: 500 FSIG. C. SWP TATING BOURS SP-12. A. STANDARD: MSS SP-12. B. DESCRIPTION: A. STANDARD: MSS SP-12. B. POSCRIPTION: A. STANDARD: MSS SP-12. B. PO	H ASIM B813.	F. INLE I: NPS 3/4. G.PLASTIC, POP-UP SPRAY SPRINKLERS:	SEE SECTION 31 20 00 "EARTH MOVING" FOR WARNING TAPES. 3.8 FIELD QUALITY CONTROL	
A CURB VALVES 1. DESCRIPTION A STANDARD: AWWA CB00 B. HPG 1 AND SMALLER PRESSURE RATING: 150 PSIG. C. MPS 1-147 TO MPS 2 PRESSURE RATING: 150 PSIG. D. DOOT VARTENAL: BRASS OR BROXE WITH BALL OR GROUND-KEY PLUG. E. END CONNECTIONS MATCHING PIPING. F. FISTE-WITH WIDG-TER HEAD. B. CURB-VALVE CASING: 1. STANDARD: SMILLAR TO AWWA MAY FOR CAST-IRON VALVE CASINGS. 2. TOP SECTION 'TELESCOPING, OF LEVENTH RECURED FOR DEPTH OF BURIAL OF CURB VALVE. 3. BAREL: APPROXIMAEL'S VALVE CASINGS. 2. TOP SECTION 'TELESCOPING, OF LEVENTH RECURED FOR DEPTH OF BURIAL OF CURB VALVE. 4. PLUG: WITH LETTENNG 'WATER' 4. PLUG: WITH LETTENNG 'WATER' 5. BOTTOM SECTION 'THE LABO. OF DIF OVER VALVE. 6. BASE SUPPORT: CONCRETE COLLAR. C. SHUTOFR ROODS FOR CURB-VALVE CASINGS. 2. TOP SECTION 'THE LABO. SUPPORT: CONCRETE COLLAR. C. SHUTOFR ROODS FOR CURB-VALVE CASINGS. 2. TOP SECTION 'THE LABO. B. SUPPORT: CONCRETE COLLAR. C. SHUTOFR ROODS FOR CURB-VALVE CASINGS. 2. DE GOY DOS FOR CURB-VALVE CASINGS. 3. DEGREPTION A STANDARD MSG ONE VALVE FOR PROJECT. D. BASE SUPPORT: CONCRETE COLLAR. C. SHUTOFR ROODS FOR CURB-VALVE CASINGS. 3. DEGREPTION A STANDARD MSG SP 110. B. SWP TATING: 150 PSIG. C. CWP RATING. 150 PSIG. C. CWP RATING. 150 PSIG. C. CWP RATING. 150 PSIG. J. DEGREPTION A STANDARD MSG SP 110. B. SWP THE CHE DRASS. J. PORT. FUEL H. STELL BARAS. J. PORT. FUEL H. STANDARD MSS SP-12. B. OWP SATING 200 PSIG. C. COV MATERIAL: PORCED A. STANDARD MSS SP-12. B. PORS.	IUFACTURER UNLESS OTHERWISE INDICATED.	1. DESCRIPTION: A. BODY MATERIAL: ABS.	A. PERFORM TESTS AND INSPECTIONS. B. TESTS AND INSPECTIONS:	PRO
A STANDARD. WWW C800 B (NFS) 140 DSMLE PRESURE RATING: 150 PSIG. C. NPS 1.14 TO MPS 2 PRESURE RATING: 150 PSIG. D BODY MATERNIC SIGNES OR REVOLVE MITH BALL OR GROUND-KEY PLUG. E END CONNECTIONS: MATCHING PIPING. F. STEM. WITH WIDE TEE HEAD. B. CURB VALVE CASINGS OR REVOLVE MITH BALL OR GROUND-KEY PLUG. E. STANDARD. SIMILAR TO MWWA MM FOR CASTLRON VALVE CASINGS. 1. STANDARD. SIMILAR TO MWWA MM FOR CASTLRON VALVE CASINGS. 1. STANDARD. SIMILAR TO MWWA MM FOR CASTLRON VALVE CASINGS. 1. STANDARD. SIMILAR TO MWWA MM FOR CASTLRON VALVE. 3. BARREL APPROXIMATELY 3 HICH DAMETER. 4. PLUG. WITH LETTERNO'S VALVE TO VER VALVE. 5. BOTTOM SECTION, WITH MASE OF SAULT OF TO VER VALVE. 5. BOTTOM SECTION, WITH MASE OF SAULT OF TO VER VALVE. 5. BASE SUPPORT: CONCREPT COLLAR. C. SHUTCHT FROM SECTION FOR THE VALVE. 5. BASE SUPPORT: CONCREPT COLLAR. C. SHUTCHT FROM SECTION FOR THE VALVE SECTION VALVE SECTION WAITH FOR THE CALL OF MATCHING COME WALVE FOR THE VALVES. 1. DESCRIPTION A STANDARD. MASS SP-110. 8. SWP FATING: 160 PSIG. C. CWP RATING: 500 PSIG. C. SHATS. PTIFE OR THE. H STEM BRASS. L BALL CHROME-FLATED BRASS. J. PORT: FULL E BRONZE BALL VALVES: J. DESCRIPTION A STANDARD. MSS SP-110. 8. SWP RATING: 500 PSIG. C. CWP RATING: 500 PSIG. D BODY DSIGN. TWO PECCE. E BODY MATERNAL: BROAZE. L BALL CHROME-FLATED BRASS. J. PORT: FULL E BROAVES. L DESCRIPTION A STANDARD. MSS SP-71. STANDARD. MSS SP-72. SATURATION SS		B. NOZZLE: BRASS. C. RETRACTION SPRING: STAINI ESS STEEL	1. LEAK TEST: AFTER INSTALLATION, CHARGE SYSTEM AND TEST FOR LEAKS. REPAIR LEAKS AND RETEST UNTIL NO LEAKS EXIST. 2. OPERATIONAL TEST: AFTER ELECTRICAL CIRCUITRY HAS BEEN ENERGIZED. OPERATE CONTROLLERS AND AUTOMATIC CONTROL VALVES TO CONFIRM PROPER SYSTEM OPERATION	
 a. Mrs 1 AND SMULLEY RESOURCE ANTING 108 PSIG. C. KPS 1-117 ONES 2 ERSURE RATING. 108 PSIG. B. END CONKECTONG: MARCHING PIPING. F. STEM: WITH WIDE TEE HEAD. B. CURB-VALVE CASING T. STANDARD: SMULAR TO AWAN M44 FOR CAST-IRON VALVE CASINGS. 2. TOP SECTION: TELESCONK, OF LENGTH REQUIRED FOR DEPTH OF BURAL OF CURB VALVE. 3. BARREL APPROXIMATELY 3 INCH DOAMETER. 4. PLUG: WITH LETTERNG' VATER. 5. BOTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE. 6. BASE SUPPORT: CONCEPTE COLLAR C. SHUTDEF RODS FOR CURB-VALVE CASINGS. FURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF IS S. DOTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE. 6. BASE SUPPORT: CONCEPTE COLLAR C. SHUTDEF RODS FOR CURB-VALVE CASINGS. FURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF IS S. DOTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE. 6. BASE SUPPORT: CONCEPTE COLLAR C. SHUTDEF MON STORE SP110. A. STANDARD MSS SP110. S. SYPE ATTING: 500 PSIG. C. CWP RATING: 500 PSIG. C. GWE RATING: 500 PSIG. C. SUPTE DOT TEE H. STEN: FITE OR THE H. STEN: BRASS. J. BALL VALVES: J. DESCRIPTION: A. STANDARD. MSS SP110. S. SWP RATING: 150 PSIG. C. CWP RATING: 500 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY END RADUES. J. DESCRIPTION IS A. STANDARD. MSS SP110. S. SWP RATING: 150 PSIG. J. DESCRIPTION IS A. STANDARD. MSS SP110. S. SWP RATING: 150 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY ESENDER TO POLY. D. BODY DESIGN: TWO PIECE. E. BODY. ENDERDED OR SOLER. JOINT IF INDICATED. G. SEARTING: 150 PSIG. J. DESCRIPTION IS SP120. S. STANDARD. MSS SP121. B. SUP RATING: 500 PSIG. D. BODY DESIGN: SP110 BASS. 		D. INTERNAL PARTS: CORROSION RESISTANT.	3. TEST AND ADJUST CONTROLS AND SAFETIES. REPLACE DAMAGED AND MALFUNCTIONING CONTROLS AND EQUIPMENT.	
 D. BUDT MITERAL. BRASS OR BRUNZE WITH BALL DIR GROUND-RET PLUG. E. END ONNECTIONS. BAS OR BRUNZE WITH BALL DIR GROUND-RET PLUG. F. STEM. WITH WIDE-TEE HEAD. B. CURR-VALVE CASING: T. STANDARD: SIMULAR TO AWWA MAH FOR CAST-IRON VALVE CASINGS. Z. TOP SECTION: TELESCOPING, OF LENGTH REQUIRED FOR DEPTH OF BURIAL OF CURB VALVE. B. BARREL: APPROXIMATELY 3 INCH DIAMETER. 4. PLUG: WITH LETTERING STATE OF TO EVER VALVE. B. BARSE UPPORT: CONCRETE COLLAR. C. SHUTOFF RODS FOR CURB-VALVE CASINGS: FURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF I SUTTED END MATCHING CURB VALVE FOR PROJECT. D. BRASS BALL VALVES: 1. DESCORFTON: A. STANDARD: MSS SP-110. A. STANDARD: MSS SP-110. B. SWP RATING: 160 PBG C. CWP RATING: 600 PBG C. CWP RATING: 600 PBG C. GWP RATING: 600 PBG C. GWP RATING: 160 PBG C. GWP RATING: 160 PBG G. SOLDER JOINT IF INDICATED. G. SEARS SHIL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 500 PSIG. D. BOOY DESIGN: TWO PIECE E. BOOY ATTERAL: FORGED BRASS. J. PORT: FULL E. BROVZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 500 PSIG. D. BOOY DESIGN: TWO PIECE. E. BOOY MATERAL: RENOVZE F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEARS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 150 PSIG. D. BOOY DESIGN: TWO PIECE. E. BOOY MATERAL: SOLDER JOINT IF INDICATED. G. SEARS THE OR NOZE F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEARS: THE OR NOZE F. BOOS: THRO PIECE. B. SUP RATING: 150 PSIG. C. BOOY DESIGN: SPLIT BOOY. D. BOOY DESIGN: SPLIT BOOY. D.		2. CAPACITIES AND CHARACTERISTICS:	C. PREPARE TEST AND INSPECTION REPORTS.	
 F. STEM: WITH WIDE-TEE HEAD. CURB-VALVE CASING: STANDARD: SIMILAR TO AWWA MAI FOR CAST-IRON VALVE CASINGS. TOP SECTON: TELESCONR, OF LENGTH REQUIRED FOR DEPTH OF BURIAL OF CURB VALVE. BARREL: APPROXIMATELY 3-INCH DIAMETER. PLUG: WITH LETTERING WATER' BOTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE. BASE SUPPORT: CONCRETE COLLAR. C. SHUTOFF RODS FOR CURB-VALVE CASINGS. FURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END. STEM OF J SUDTED END MATCHING CURB VALVE FOR PROJECT. DBRASS BALL VALVES DBEGRIPTION: A STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 50 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERNI: FORGED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G SENTS: PTFE OR TFE. H. STEM: BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BROW MATERNI: SOP SIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERNI: FOR SPIG. D. BODY DESIGN: TWO PIECE. E. BODY METRIAL: PRORED BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BROWZE BALL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-110. B. SWP RATING: 500 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERNI: BRONZE F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G SEATS: PTFE OR TFE. H. STEM: BRASS. J. PORT: FULL F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G SEATS: PTFE OR TFE. H. STEM: BRANZE J. DOSCRIPTION: A STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. D. BODY MATERNIAL: ASTMA 126, GRAY IRON. E. ENDS: FLANCED. J. DESCRIPTION: A STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. D. BODY MATERNIALS STEEL. H. BALL: STANLESS STEEL. H. BALL: STANLESS STEEL. H		A. NOZZLE: BRASS. B. FLOW: 150 GPM.	A. ADJUST SETTINGS OF CONTROLLERS.	46 DE
 1. STANDARD: SINULAR TO AWWA MM FOR CAST-IRON VALVE CASINGS. 2. TOP SECTION: TELESCOPING, OF LEARDI REQUIRED FOR DEPTH OF BURIAL OF CURB VALVE. 3. BARREL: APPROXIMATELY 3-INCH DIAMETER. 4. PLIG: WITH LETTERING VATER? 5. BOTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE. 6. BASE SUPPORT: CONCRET COLLAR. C. SHUTDFF RODS FOR CURB-VALVE CASINGS: FURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF I 3. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 150 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIA: FORCED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PITFE OR TFE. H. STEM: BRASS. J. PORT: FULL E. BROY MATERIA: FORCED BRASS. J. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIA: TOREOB BRASS. J. PORT: FULL E. BROY MATERIA: TOREOB BRASS. J. PORT: FULL E. BROY MATERIA: TOREOB BRASS. J. PORT: FULL E. BROY MATERIA: TOREOB SIG. D. BODY DESIGN: TWO PIECE E. BODY MATERIA: TOREOB SIG. D. BODY DESIGN: TWO PIECE E. BODY MATERIA: TORE SIGNASS. J. PORT: FULL F. INDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PITFE OR TFE. H. STEM. BRASS. J. PORT: FULL F. INDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PITFE OR TFE. H. STEM. BRASS. J. PORT: FULL F. INDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PITFE OR TFE. H. STEM. BRANZE. J. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 320 PSIG. C. BODY MATERIA: ASTMA 426, GRAY IRON. E. ENDY MATERIA: ASTMA 426, GRAY IRON. E. ENDY MATERIA: ASTMA 426, GRAY IRON. E. ENDY MATERIA		C. POP-UP HEIGHT: 4 INCHES ABOVEGROUND TO NOZZLE. D. ARC: FULL OR HALF CIRCLE.	B. ADJUST AUTOMATIC CONTROL VALVES TO PROVIDE FLOW RATE AT RATED OPERATING PRESSURE REQUIRED FOR EACH SPRINKLER CIRCUIT. C. ADJUST SPRINKLERS AND DEVICES, EXCEPT THOSE INTENDED TO BE MOUNTED ABOVEGROUND, SO THEY WILL BE FLUSH WITH, OR NOT MORE THAN 1/2 INCH ABOVE, FINISH GRADE.	
 3. BARREL: APPROXIMATELY 3-INCH DIAMETER. 4. PLIG: WITH LETTERING YAUTER." 5. BOTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE. 6. BASE SUPPORT: CONCRETE COLLAR. C. SHUTOFF RODS FOR CUREVALVE CASINGS. FURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF I 3. DESCRIPTION: A. STANDADD. MSS SP-110. B. SWP PATING: 150 PSIG. C. CWP PATING: 600 PSIG. D. BODY DESIGN: TWO PECE. E. BODY MATERAL: FORCED BRASS. F. ENDS: THREADED ON SOLDER JOINT FINDICATED. G. SEATS: PTFE OR TFE. H. STEM: FORGE BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD. MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP PATING: 600 PSIG. D. DODY DESIGN: TWO PIECE. E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD. MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP PATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODS: THREADED OR SIG. C. CWP RATING: 150 PSIG. C. SEATS: PTFE OR TFE. H. STEM: BRONZE H. BONZE H. BOTTE: BONZE H. STEM: BRONZE I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD. MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY MATERIA: ASTM ATEQ GRAY IRON. E. ENSIS: FLANGED. F. SEATS: PTFE OR TFE. STEME. H. STEM: STINELSS STEEL. H. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY MATERIA: ASTM ATEQ GRAY IRON. E. ENSIS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STINE STEEL. H. P		E. RADIUS: 20 FEET. F. INLET: NPS 3/4.	3.10 PIPING SCHEDULE A. INSTALL COMPONENTS HAVING PRESSURE RATING EQUAL TO OR GREATER THAN SYSTEM OPERATING PRESSURE.	
 5. BOTTOM SECTION: WITH BASE OF SIZE TO FIT OVER VALVE. 6. BASE SUPPORT: CONCRETE COLLAR. C. SHUTOFF RODS FOR CURB-VALVE CASINGS: FURNISH TWO STEEL, TEE-HANDLE SHUTOFF ROD(S) WITH ONE POINTED END, STEM OF I SLOTTED END MATCHING CURB VALVE FOR PROJECT. D. BRASE SALL VALVES: 1. DESCRIPTION: A. STANDARD. MSS SP-110. B. SWP PATING: 150 PSIG. C. COMP PATING: 800 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIAL: FORGED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TTE. H. STEM: BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP PATING: 600 PSIG. C. COVP PATING: 600 PSIG. C. COVP RATING: 600 PSIG. C. COVP RATING: 600 PSIG. C. COVP RATING: 600 PSIG. C. COVP MATERIAL: BROXE E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP PATING: 600 PSIG. C. COVP MATERIAL: BROXE E. BRONZE BALL VALVES: I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BROXE I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BROXES I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. RNOS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BROXES I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. RNOS SP-72. B. COVP MATERIAL: STANLESS STEEL. I. DESCRIPTION: A. STANDARD. MSS SP-122. B. PRESSURE RATINES: 10 PSIG. C. BODY MATERIAL: ASTMALES STEEL. I. DESCRIPTION: A. STANDARD. MSS SP-122.<td></td><td>H. PLASTIC SHRUB SPRINKLERS: 1. DESCRIPTION:</td><td>B. PIPING IN CONTROL-VALVE BOXES AND ABOVEGROUND MAY BE JOINED WITH FLANGES OR UNIONS INSTEAD OF JOINTS INDICATED. C. ABOVEGROUND IRRIGATION MAIN PIPING:</td><td></td>		H. PLASTIC SHRUB SPRINKLERS: 1. DESCRIPTION:	B. PIPING IN CONTROL-VALVE BOXES AND ABOVEGROUND MAY BE JOINED WITH FLANGES OR UNIONS INSTEAD OF JOINTS INDICATED. C. ABOVEGROUND IRRIGATION MAIN PIPING:	
C SHUTCHF RODS FOR CURB-VALVE CASINGS: FURNISH TWO STEEL, TEE-HANDLE SHUTCHF ROD(S) WITH ONE POINTED END, STEM OF I SLOTTED END MATCHING CURB VALVE FOR PROJECT. D. BRASS BALL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP PATING: 150 PSIG. C. CWP PATING: 600 PSIG. D. BCOTY DESIGN: TWO PIECE. E. BCOTY MATERIAL: FORGED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM. BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-110. B. SWP RATING: 600 PSIG. C. CWP PATING: 600 PSIG. D. BCOTY DESIGN: TWO PIECE. E. BCOTY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM. BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. DESCRIPTION: A STANDARD: MSS SP-110. B. SWP RATING: 100 PSIG. D. BCOTY DESIGN: TWO PIECE. E. BCOTY MATERIAL: BRONZE. F. ENDS: THREADED DR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. RON BALL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BCOTY MATERIAL: ASTM A256, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STANLESS STEEL. H. BALL: STAINLESS STEEL. H. DESCRIPTION: A STANDARD: MSS SP-122. B. PRESSUME RATING: 150 PSIG. C. BCOTY MATERIAL: STAINLESS STEEL. H. PARST: FULL G. PLASTIC BALL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-122. B. PRESSUME RATING: 150 PSIG. C. BCOTY MATERIAL: STAINLESS STEEL. H. PARST: PLINCENCETOR: SCREETOR M. STANDARD: MSS SP-122. B. PRESSUME RATING: 150 PSIG. C. BCOTY MATERIAL: PCC. D. TYPE: UNION. F. F. FON MATERIAL: STAINLESS STEEL. D. PORT: FULL		A. BODY MATERIAL: ABS OR OTHER PLASTIC.	1. NPS 4 AND SMALLER: A GALVANIZED STEEL PIPE AND GALVANIZED STEEL PIPE NIPPLES' GALVANIZED, GRAY-IRON THREADED FITTINGS' AND THREADED JOINTS	
SLOTIED END MALEVEN DBRASS BALL VALVES 1. DESCRIPTION: A STANDARD: MSS SP-110. B SWP RATING: 150 PSIG. C. CWP RATING: 600 PSIG. C. CWP RATING: 600 PSIG. E. BODY METRIAL: FORGED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-110. B. SWP RATING: 500 PSIG. C. CWP RATING: 500 PSIG. C. CWP RATING: 500 PSIG. B. SWP RATING: 500 PSIG. C. CWP RATING: 500 PSIG. C. CWP RATING: 500 PSIG. C. CWP RATING: 500 PSIG. B. SWD DESIGS: TWO PIECE. E. BODY METRIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. DBALL CHROME-PLATED BRASS. J. PORT: FULL F. IRONG AULL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-72. B. CWP RATING: 300 PSIG. C. BODY METRIAL: STM A126, GRAY IRON. E. ENDY EATERIAL: STM A126, GRAY IRON. E. ENDY EATERIAL: STM A126, GRAY IRON. E. ENDY MATERIAL: STM A126, GRAY IRON. E. ENDY STAINLESS STEEL. H. BALL: STANLESS STEEL. H. DESCRIPTION: A STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY METRIAL: FOR COME. F. PROCESSURE RATING: 150 PSIG. C. BODY MATERIAL: STO A126, GRAY IRON. E. FINDS: FLANGED. F. ENDY CONNECTIONS: SCORET OR THREADED. A STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: FOR COME. F. PROCESSURE RATING: 150 PSIG. C. BODY MATERIALS FOR FORME. F. PROCESSURE RATING: 150 PSI	ITED END, STEM OF LENGTH TO OPERATE DEEPEST BURIED VALVE, AND	2. CAPACITIES AND CHARACTERISTICS:	B. TYPE M HARD COPPER TUBE, WROUGHT- OR CAST-COPPER FITTINGS, AND SOLDERED JOINTS.	
 1. DESCRIPTION: A STANDARD: MSS SP-110. B. SWP PATING: 150 PSIG. C. CWP PATING: 600 PSIG. D. BODV DESIGN: TWO PECCE. E. BODV MATERIAL: FORGED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP MATING: 150 PSIG. C. CWP RATING: 150 PSIG. G. SEATS: PTFE OR TFE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRASS. J. PORT: FULL F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: THANGED. H. STEM: STANLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL G. PLASTIC BALL VALVES: 1. DESCRIPTION: A STANDARD: MSS SP-12. B. PRESSURE RATING: 100 PSIG. C. BODY MATERIAL: STO PSIG. C. DOTY: FULL B. PRESSURE RATING: 100 PSIG. C. DOTY E: UNION: A STANDARD: MSS PS F12. B. PRESSURE RATING: 100 PSIG. C. DOTY METTING: 100 PSIG. C. DOTY METTING: 100 PSIG. C. DOTY MATERIAL: PVC. D. TYPE: UNION: A STANDARD: MSS SP 12. B. PRESSURE RATING: 100 PSIG. C. DOTY METTING: 100 PSIG. D. PORCENTING: 100		A. FLOW: 150 GPM. B. ARC: HALF CIRCLE.	C. SCHEDULE 80, PVC PIPE; SOCKET-TYPE PVC FITTINGS; AND SOLVENT-CEMENTED JOINTS. D. SCHEDULE 80, PVC PIPE; SCHEDULE 80, THREADED PVC FITTINGS; AND THREADED JOINTS.	
 B. SWP RATING: 150 PSIG. C. CWP RATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIAL: FORGED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRASS. J. DORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRASS. J. PORT: FULL FIND: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. DESCRIPTION: A STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. J. DODY DESIGN: TWO PIECE. E. SOLDER: SPITE OR TFE. H. STEM: BRONZE. I. DESCRIPTION: A STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. DODY DESIGN: SPITE DOTY. J. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: THERALE. H. BALL: STAINLESS STEEL. J. PORT: FULL G. PRESSURE RATING: 150 PSIG. C. DODY MATERIAL: PORCE. S. DESCRIPTION: A STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. DOTY FULL G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. J. PORT: FULL G. PRESSURE RATING: 150 PSIG. C. DODY MATERIAL: PORCE. D. DODY MATERIAL: PORC. D. PRESSURE RATING: 150 PSIG. C. DODY MATERIAL: PORC. D. TYPE: UNION. F. ENDCOMERTION: A STANDARD MS SP-72. B. PRESSURE RATING: 150 PSIG. C. DODY MATERIAL: PORC. D. TYPE: UNION. F. ENDECOMERTION: SOCKET OR THREADED SOCKET OR TH		C. RADIUS: 10 FEET. D. MOUNTING HEIGHT: 4 INCHES ABOVEGROUND TO NOZZLE.	D. UNDERGROUND IRRIGATION MAIN PIPING: 1. NPS 4 AND SMALLER:	
D BODY DESIGN: TWO PIECE. E BODY MATERIAL: FORGED BRASS. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 150 PSIG. C. CWP RATING: 150 PSIG. D. BODY DESIGN: TWO PIECE. E BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPIT BODY. D BODY DESIGN: STANLESS STEEL. H. BALL: STANLESS STEEL. H. BALL: STANLESS STEEL. A. STANDARD: MSS SP-12. B. PRESSURE RATINE: 500 PSIG. C. BODY MATERIAL: ASTM A126, GRAY IRON. E ENDS: FLANGED. H. SERVIFION: A. STANDARD: MSS SP-12. B. CWP RATING: 200 PSIG. C. BODY MATERIAL: ASTM FIEL. H. BALL: STANLESS STEEL. H. BALL: STANLESS STEEL. B. PRESSURE RATING: 500 PSIG. C. BODY MATERIAL: SIGN FIEL. D. PORT: FULL G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 500 PSIG. C. BODY MATERIAL: FIEL. B. PRESSURE RATING: 500 PSIG. C. BODY MATER		E. INLET: NPS 3/4. 2.8 QUICK COUPLERS	A. NPS 3 AND NPS 4 DUCTILE-IRON, PUSH-ON-JOINT PIPE; DUCTILE-IRON, PUSH-ON-JOINT FITTINGS AND GASKETS; AND GASKETED JOINTS. B. TYPE L SOFT COPPER TUBE, WROUGHT-COPPER FITTINGS, AND BRAZED JOINTS.	
F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEW: BRASS. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 10 PSIG. C. CWP RATING: 600 PSIG. C. CWP RATING: 600 PSIG. D. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEW: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. RON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLT BODY D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEW: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. DALL: STAINLESS STEEL. I. DESCRIPTION: A. STANDARD: MSS SP-122. B. CWP RATING: SS STEEL. I. BALL: STAINLESS STEEL. I. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: SOCKET OR THREADED. F. SEATS: PTE OR TFE. STAINLESS STEEL. I. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. ENDCS.		A. DESCRIPTION: FACTORY-FABRICATED, BRONZE OR BRASS, TWO-PIECE ASSEMBLY. INCLUDE COUPLER WATER-SEAL VALVE; REMOVABLE UPPER BODY WITH SPRING-LOADED OR WEIGHTED, BUBBER-COVERED CAP: HOSE SWIVEL WITH ASME B1 20 7, 3/4-11 5NH THREADS FOR GARDEN HOSE ON OUTLET: AND OPERATING KEY	C. SCHEDULE 80, PVC PIPE AND SOCKET FITTINGS, AND SOLVENT-CEMENTED JOINTS. D. SCHEDULE 80, PVC PIPE: SCHEDULE 80, THREADED PVC FITTINGS: AND THREADED JOINTS.	
 U.S.C.H.G. ITTE ON ITE. H. STEM: BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 600 PSIG. D. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY MATERIAL: BODY. D. BODY DESIGN. TWO SIG. C. BODY MATERIAL: STANLESS STEEL. H. BALL: STAINLESS STEEL. J. PORT: FULL G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. SWP FOR THE. G. STEEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. J. PORT: FULL G. PLASTIC BALL VALVES: J. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: SOCKET OR THREADED 		1. LOCKING-TOP OPTION: VANDAL-RESISTANT LOCKING FEATURE. INCLUDE (2) TWO MATCHING KEY(S).	E. SDR 21, PVC, PRESSURE-RATED PIPE; SCHEDULE 80, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS.	
I. BALL: CHROME-PLATED BRASS. J. PORT: FULL E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: ASTM 200 PSIG. C. BODY MATERIAL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION.		A. DESCRIPTION:	1. NPS 2 AND SMALLER:	
 E. BRONZE BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. B. CWP T: FULL. G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. F. ENDER RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. 		1. CONTROLLER STATIONS FOR AUTOMATIC CONTROL VALVES: EACH STATION IS VARIABLE FROM APPROXIMATELY 5 TO 60 MINUTES. INCLUDE SWITCH FOR MANUAL OR AUTOMATIC OPERATION OF EACH STATION.	A. SIDK 9, PE, CONTROLLED ID PIPE; INSERT FITTINGS FOR PE PIPE; AND FASTENER JOINTS. B. SCHEDULE 40, PVC PIPE AND SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS.	
A. STANDARD: MSS SP-110. B. SWP RATING: 150 PSIG. C. CWP RATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. CWP RATING: 300 PSIG. C. BODY MATERIAL: ASTMENTION: A. STANDARD: MSS SP-124. B. STEMESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. F. END. CONFECTIONS: SOCKET OR THREADED.		 EXTERIOR CONTROL ENCLOSURES: NEMA 250, TYPE 4, WEATHERPROOF, WITH LOCKING COVER AND TWO MATCHING KEYS; INCLUDE PROVISION FOR GROUNDING. A. BODY MATERIAL: MOLDED PLASTIC. 	C. SDR 26, PVC, PRESSURE-RATED PIPE; SCHEDULE 40, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. 2. NPS 2-1/2 TO NPS 4:	SC/
C. CWP RATING: 600 PSIG. D. BODY DESIGN: TWO PIECE. E. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END: FLOONNEFCTIONS: SOCKET OR THREADED.		B. MOUNTING: SURFACE TYPE FOR WALL. 3. INTERIOR CONTROL ENCLOSURES: NEMA 250, TYPE 12, DRIPPROOF, WITH LOCKING COVER AND TWO MATCHING KEYS.	A. SIDR 9, PE, CONTROLLED ID PIPE; INSERT FITTINGS FOR PE PIPE; AND BANDED OR FASTENER JOINTS. B. DR 11, PE, CONTROLLED OD PIPE; PE SOCKET OR BUTT-FUSION FITTINGS: AND HEAT-FUSION JOINTS. NPS 3 PIPE AND FITTINGS IF NPS 2-1/2 PIPE AND FITTINGS ARE NOT AVAILABLE	JOE
E. BODY MATERIAL: BRONZE. F. ENDS: THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END. SOCKET OR THREADED		A. BOLY MATERIAL: MOLDED PLASTIC. B. MOLINTING: SUBSACE TYPE FOR WALL	C. SCHEDULE 40, PVC PIPE AND SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. D. SDR 26, PVC, PRESSURE-PATED PIPE: SCHEDULE 40, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS.	
 F. ENDO. THREADED OR SOLDER JOINT IF INDICATED. G. SEATS: PTFE OR TFE. H. STEM: BRONZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. 		4. CONTROL TRANSFORMER: 24 V SECONDARY, WITH PRIMARY FUSE.	F. UNDERGROUND BRANCHES AND OFFSETS AT SPRINKLERS AND DEVICES: SCHEDULE 80, PVC PIPE; THREADED PVC FITTINGS; AND THREADED JOINTS.	PRI
H. STEM: BRUNZE. I. BALL: CHROME-PLATED BRASS. J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G.PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END. CONNECTIONS: SOCKET OR THREADED		J. HIVING DEVICE, ADJUSTABLE, 24-DOUR, 14-DAT GLOCK, WITH AUTOMATIC OPERATIONS TO SKIP OPERATION ANY DAY IN TIMER PERIOD, TO OPERATE EVERY OTHER DAY, OR TO OPERATE TWO OR MORE TIMES DAILY.	G. RISERS TO ABOVEGROUND SPRINKLERS AND SPECIALTIES:	
J. PORT: FULL F. IRON BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END CONNECTIONS: SOCKET OR THREADED.		A. MANUAL OR SEMIAUTOMATIC OPERATION: ALLOWS THIS MODE WITHOUT DISTURBING PRESET AUTOMATIC OPERATION. B. NICKEL-CADMIUM BATTERY AND TRICKLE CHARGER: AUTOMATICALLY POWERS TIMING DEVICE DURING POWER OUTAGES.	1. TYPE M HARD COPPER TUBE, WROUGHT-COPPER FITTINGS, AND SOLDERED JOINTS. 2. SCHEDULE 80, PVC PIPE AND SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS.	
1. DESCRIPTION: A. STANDARD: MSS SP-72. B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. F. END CONNECTIONS: SOCKET OR THREADED.		C. SURGE PROTECTION: METAL-OXIDE-VARISTOR TYPE ON EACH STATION AND PRIMARY POWER. 6. MOISTURE SENSOR: ADJUSTABLE FROM ONE TO SEVEN DAYS, TO SHUT OFF WATER FLOW DURING RAIN.	H. DRAIN PIPING SHALL BE [ONE OF] THE FOLLOWING: 1. SIDR 9, 11.5, OR 15; PE, CONTROLLED ID PIPE; INSERT FITTINGS FOR PE PIPE; AND BANDED OR FASTENER JOINTS.	+(
B. CWP RATING: 200 PSIG. C. BODY DESIGN: SPLIT BODY. D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G.PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END CONNECTIONS: SOCKET OR THREADED		7. SMART CONTROLLERS: USE ET, TESTED IN ACCORDANCE WITH IA SWAT CLIMATOLOGICAL BASED CONTROLLERS 8TH DRAFT TESTING PROTOCOL AND COMPLIANT WITH ASHRAE 189.1.	2. SCHEDULE 40, PVC PIPE AND SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. 3. SDR 21, 26, OR 32.5; PVC, PRESSURE-RATED PIPE: SCHEDULE 40, PVC SOCKET FITTINGS: AND SOLVENT-CEMENTED JOINTS	
D. BODY MATERIAL: ASTM A126, GRAY IRON. E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. F. END CONNECTIONS: SOCKET OR THREADED		8. WIRING: UL 493, TYPE UF MULTICONDUCTOR, WITH SOLID-COPPER CONDUCTORS; INSULATED CABLE; SUITABLE FOR DIRECT BURIAL.	3.11 VALVE SCHEDULE A LINDERGROUND, SHUTOFE-DUTY MALVES: USE THE FOLLOWING:	REV.
E. ENDS: FLANGED. F. SEATS: PTFE OR TFE. G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. F. END CONNECTIONS: SOCKET OR THREADED.		B. LOW-VOLTAGE, BRANCH-CIRCUIT CABLES: NO. 12 AWG MINIMUM, BETWEEN CONTROLLERS AND AUTOMATIC CONTROL VALVES; COLOR-CODED DIFFERENT FROM FEEDER-CIRCUIT-	1. NPS 2 AND SMALLER: CURB VALVE, CURB-VALVE CASING, AND SHUTOFF ROD.	
G. STEM: STAINLESS STEEL. H. BALL: STAINLESS STEEL. I. PORT: FULL. G. PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END CONNECTIONS: SOCKET OR THREADED		CABLE JACKET COLOR; WITH JACKETS OF DIFFERENT COLORS FOR MULTIPLE-CABLE INSTALLATION IN SAME TRENCH. C. SPLICING MATERIALS: MANUFACTURER'S PACKAGED KIT CONSISTING OF INSULATING, SPRING-TYPE CONNECTOR OR CRIMPED JOINT AND EPOXY RESIN MOISTURE SEAL; SUITABLE	2. NPS 3 AND LARGER: IKUN GATE VALVE, RESILIENT SEATED; IKUN GATE VALVE CASING; AND OPERATING WRENCH(ES). B. ABOVEGROUND, SHUTOFF-DUTY VALVES:	
I. PORT: FULL. G.PLASTIC BALL VALVES: 1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. F. END CONNECTIONS: SOCKET OR THREADED.		FOR DIRECT BURIAL. 9. CONCRETE BASE: REINFORCED PRECAST CONCRETE NOT LESS THAN 36 BY 24 BY 4 INCHES THICK, AND 6 INCHES GREATER IN EACH DIRECTION THAN OVERALL DIMENSIONS OF	1. NPS 2 AND SMALLER: A. BRASS BALL VALVE.	
1. DESCRIPTION: A. STANDARD: MSS SP-122. B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END CONNECTIONS: SOCKET OR THREADED.		CONTROLLER. INCLUDE OPENING FOR WIRING. 2.10 BOXES FOR AUTOMATIC CONTROL VALVES	B. BRONZE GATE VALVE. 2. NPS 2-1/2 AND LARGER:	
B. PRESSURE RATING: 150 PSIG. C. BODY MATERIAL: PVC. D. TYPE: UNION. E. END CONNECTIONS: SOCKET OR THREADED		A. PLASTIC BOXES: 1. DESCRIPTION: BOX AND COVER, WITH OPEN BOTTOM AND OPENINGS FOR PIPING: DESIGNED FOR INSTALLING FUEH WITH OPADE	A. IRON BALL VALVE. B. IRON GATE VALVE. NRS	
0. DOD T MATERIAL PV0. D. TYPE: UNION. E. END CONNECTIONS' SOCKET OR THREADED		A. SIZE: AS REQUIRED FOR VALVES AND SERVICE.	C. THROTTLING-DUTY VALVES:	
E END CONNECTIONS: SOCKET OR THREADED		D. STAFE, SQUARE. C. SIDEWALL MATERIAL: ABS	A. PLASTIC AUTOMATIC CONTROL VALVE.	
F. PORT: FULL.		D. COVER MATERIAL: ABS 2. LETTERING: "IRRIGATION "	B. BRASS BALL VALVE. 2. NPS 2-1/2 AND NPS 3:	
H. IRON GATE VALVES, RESILIENT SEATED: 1. DESCRIPTION:		B. DRAINAGE BACKFILL: CLEANED GRAVEL OR CRUSHED STONE, GRADED FROM 3/4 INCH MINIMUM TO 3 INCHES MAXIMUM.	3. PLASTIC AUTOMATIC CONTROL VALVE. 4. IRON BALL VALVE.	
A. STANDARD: AWWA C509. B. PRESSLIRE RATING: 200 PSIG MINIMUM			D. DRAIN VALVES: 1. NPS 1/2 AND NPS 3/4	.
C. BODY MATERIAL: DUCTILE OR GRAY IRON WITH BRONZE TRIM.			A. AUTOMATIC DRAIN VALVE.	
D. END CONNECTIONS: MECHANICAL JOINT OR PUSH-ON JOINT. E. INTERIOR COATING: COMPLY WITH AWWA C550.			B. BRASS BALL VALVE. C. BRONZE GATE VALVE.	
F. BODY DESIGN: NONRISING STEM. G. OPERATOR: STEM NUT.			2. NPS 1 TO NPS 2: A. BRASS BALL VALVE.	
H. DISC: SOLID WEDGE WITH RESILIENT COATING.			B. BRONZE GATE VALVE.	

ECIFIED IN SECTION 31 20 00 "EARTH MOVING." E PIPING, 12 INCHES BELOW FINISHED GRADES, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS. .CKFILL WITH CLEANED GRAVEL OR CRUSHED STONE, GRADED FROM 3/4 TO 3 INCHES TO [12 INCHES BELOW GRADE. COVER F-SATURATED FELT AND BACKFILL REMAINDER WITH EXCAVATED MATERIAL. UND PIPING ACCORDING TO THE FOLLOWING: ICHES BELOW FINISHED GRADE, OR NOT LESS THAN 18 INCHES BELOW AVERAGE LOCAL FROST DEPTH, WHICHEVER IS DEEPER.	Varenstreet Architecture Interiors WARRENSTREET ARCHITECTS, INC. 4 CRESCENT STREET CONCORD, NEW HAMPSHIRE 03303 P. (603) 225-0640 WWW.WARRENSTREET.COOP
ELOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS ARE APPROVED ON PERCENT DOWN TOWARD DRAIN VALVES. R: SPACED TO PERMIT VALVE SERVICING. BRANCH CONNECTIONS: LCONNECTIONS TO OTHER COMPONENTS WITH NPS 2 OR SMALLER PIPE CONNECTION. AL CONNECTIONS TO OTHER COMPONENTS WITH NPS 2 OR SMALLER PIPE CONNECTION. AL CONNECTIONS TO OTHER COMPONENTS WITH NPS 2 // 2 OR LARGER PIPE CONNECTION. AL CONNECTIONS TO OTHER COMPONENTS WITH NPS 2 // 2 OR LARGER PIPE CONNECTION. ACCORDANCE WITH ASTM D2774. ES FOR PLASTC PIPING WITHOUT HUMPS OR DEPRESSIONS. WITHOUT HUMPS OR DEPRESSIONS. WITHOUT HUMPS OR DEPRESSIONS. AURINE IS ABOVE 40 DEG F. ALLOW JOINTS TO CURE AT LEAST 24 HOURS AT TEMPERATURES ABOVE 40 DEG F BEFORE TESTING. RS: BEVEL PLAIN ENDS OF STEEL PIPE. DE AND OUTSIDE OF PIPE AND FITTINGS BEFORE ASSEMBLY. E THREADS IN ACCORDANCE WITH ASME B1 20.1. CUT THREADS FULL AND CLEAN USING SHARP DIES. REAM THREADED PIPE ENDS TITINGS AND VALVES AS FOLLOWS: D TO EXTERNAL PIPE THREADS UNLESS DRY SEAL THREADING IS SPECIFIED. TITINGS MUTH THREADS THAT ARE CORROBED OR DAMAGED DO NOT USE PIPE SECTIONS THAT HAVE CRACKED OR OPEN WELDS. L OF SIZE, TYPE, AND THICKNESS FOR SERVICE APPLICATION. INSTALL GASKET CONCENTRICALLY POSITIONED. USE SUITABLE TITI AWWA C600 AND AWWM M1. S IN ACCORDANCE WITH CAS' "COPPER TUBE HANDBOOK," USING COPPER-PHOSPHORUS BRAZING FILLER METAL. 13 WATER-RLUSHABLE FLUX TO TUBE END UNLESS OTHERWISE INDICATED. CONSTRUCT JOINTS IN ACCORDANCE WITH ASTM B828 ES GOLDER ALLOW TO USE ESCRED CONTENT (COMPLYING WITH ASTM B32. INGS AND BANDS OR FASTENERS IN ACCORDANCE WITH PIPING MANUFACTURERS WRITTEN INSTRUCTIONS. D DYPU JOINTO SUFFACES. JONE PLE AND FITTINGS IN ACCORDANCE WITH HER STIM B22. STAD DTR3E, PUP PIPE AND SULVENT CEMENTS. ASTM DTR3E, PUP PIPING AND AWWA M44. INSTALL IN VALVE CASING WITH HOP FLUSH WITH GRADE. CASKETED JOINTS. YE CASINGS WITH TOPS FLUSH WITH GRADE. COMPLY TITH AWWA C600 AND AWWA M44. INSTALL IN VALVE CASING WITH TOP FLUSH WITH GRADE. CASKE	WWW.WARRENSTREET.COOP
D FOR PROPER ATTACHMENT TO SUPPORTED EQUIPMENT. OR FREESTANDING CONTROLLERS ON PRECAST CONCRETE BASES. ETTING DRAWINGS, TEMPLATES, DIAGRAMS, INSTRUCTIONS, AND DIRECTIONS FURNISHED WITH ITEMS TO BE EMBEDDED. D FOR PROPER ATTACHMENT TO SUPPORTED EQUIPMENT. ATION PIPING AND AT LEAST 2 INCHES BELOW OR BESIDE PIPING. PROVIDE CONDUCTORS OF SIZE NOT SMALLER THAN STALL CABLE IN SEPARATE SLEEVE UNDER PAVED AREAS. UIREMENTS FOR IDENTIFICATION SPECIFIED IN SECTION 22 05 53 "IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT." AVED PLASTIC-LAMINATE EQUIPMENT NAMEPLATES AND SIGNS ON EACH AUTOMATIC CONTROLLER. IISH BETWEEN MULTIPLE UNITS, INFORM OPERATOR OF OPERATIONAL REQUIREMENTS, INDICATE SAFETY AND EMERGENCY 'ER OPERATIONS. ONTINUOUS, UNDERGROUND, DETECTABLE WARNING TAPES OVER UNDERGROUND PIPING DURING BACKFILLING OF TRENCHES. TAPES.	
M AND TEST FOR LEAKS. REPAIR LEAKS AND RETEST UNTIL NO LEAKS EXIST. Y HAS BEEN ENERGIZED, OPERATE CONTROLLERS AND AUTOMATIC CONTROL VALVES TO CONFIRM PROPER SYSTEM OPERATION. LACE DAMAGED AND MALFUNCTIONING CONTROLS AND EQUIPMENT. TIVE IF IT DOES NOT PASS TESTS AND INSPECTIONS.	PROJECT TITLE / ADDRESS: BANGOR SAVINGS BANK 46 CRYSTAL AVENUE DERRY, NH 03038
 ¹LOW RATE AT RATED OPERATING PRESSURE REQUIRED FOR EACH SPRINKLER CIRCUIT. NTENDED TO BE MOUNTED ABOVEGROUND, SO THEY WILL BE FLUSH WITH, OR NOT MORE THAN 1/2 INCH ABOVE, FINISH GRADE. QUAL TO OR GREATER THAN SYSTEM OPERATING PRESSURE. ND MAY BE JOINED WITH FLANGES OR UNIONS INSTEAD OF JOINTS INDICATED. ²L PIPE NIPPLES; GALVANIZED, GRAY-IRON THREADED FITTINGS; AND THREADED JOINTS. ST-COPPER FITTINGS, AND SOLDERED JOINTS. TINGS; AND SOLVENT-CEMENTED JOINTS. ED PVC FITTINGS; AND THREADED JOINTS. [*]PIPE; DUCTILE-IRON, PUSH-ON-JOINT FITTINGS AND GASKETS; AND GASKETED JOINTS. [*]RITINGS, AND BRAZED JOINTS. [*]RITINGS, AND BRAZED JOINTS. [*]RITINGS; AND THREADED JOINTS. 	JONATHAN HALLE
E 80, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. IGS FOR PE PIPE; AND FASTENER JOINTS. AND SOLVENT-CEMENTED JOINTS. E 40, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. IGS FOR PE PIPE; AND BANDED OR FASTENER JOINTS. R BUTT-FUSION FITTINGS; AND HEAT-FUSION JOINTS. NPS 3 PIPE AND FITTINGS IF NPS 2-1/2 PIPE AND FITTINGS ARE NOT AVAILABLE. AND SOLVENT-CEMENTED JOINTS. E 40, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. E 40, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. E 40, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. KLERS AND DEVICES: SCHEDULE 80, PVC PIPE; THREADED PVC FITTINGS; AND THREADED JOINTS. OFFSETS FOR FLEXIBLE JOINTS, MANUFACTURED FOR THIS APPLICATION.	SCALE: AS NOTED DWN BY: TG JOB #: 3651 CHK BY: JH PRINT DATE: 12/18/2023 10:41:14 AM ISSUE DATE:
LTIES: FITTINGS, AND SOLDERED JOINTS. ND SOLVENT-CEMENTED JOINTS. RT FITTINGS FOR PE PIPE; AND BANDED OR FASTENER JOINTS. ND SOLVENT-CEMENTED JOINTS. SCHEDULE 40, PVC SOCKET FITTINGS; AND SOLVENT-CEMENTED JOINTS. OLLOWING: ASING, AND SHUTOFF ROD. SEATED; IRON GATE VALVE CASING; AND OPERATING WRENCH(ES).	12/18/2023 FOR CONSTRUCTION REV. DATE COMMENTS I
E	IRRIGATION SPECIFICATIONS IRRIGATION SPECIFICATIONS LAA 1066 SHET NUMBER: 6 OF 6 LANDSCAPE THE DRAWING AND ITS CONTENT IS THE INTELLECTUAL PROPERTY OF WARRENSTREET ARCHITECTS INC. WITH THE SOLE INTENT TO BUILD THE PROJECT TITLED ABOVE AT ONE LOCATION NOTED HEREIN. THE USE OF THE CONTENT FOR ANY OTHER PURPOSE IS PROHIBITED AND PROTECTED UNDER COPYRIGHT LAW.