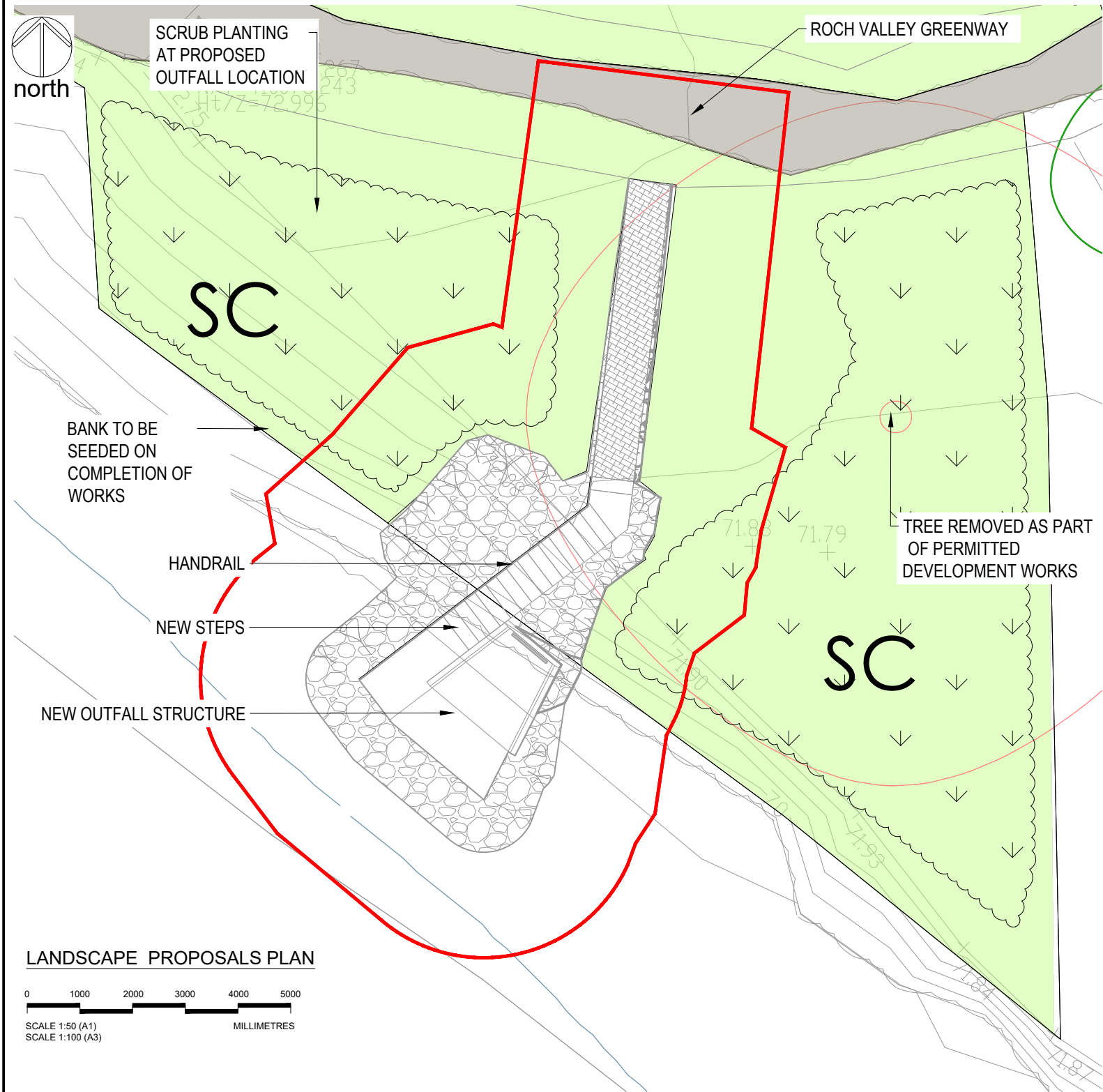
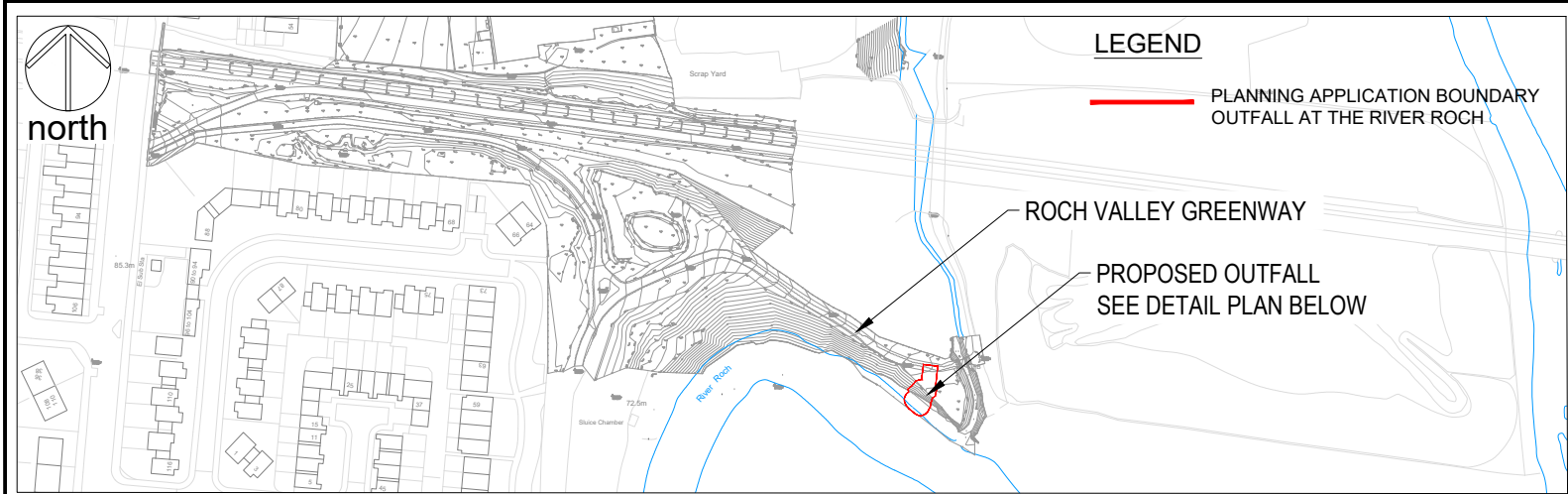




LANDSCAPE PROPOSALS

The site is an outfall structure adjacent to a public greenway to the east of Alfred Street, Bury with areas of native species, self set and planted trees. There are areas of invasive species at the site and where possible these will be avoided for the duration of the works.

DESIGN AND PROPOSALS

The proposed development is for a new outfall. Minor scrub removal and clearance of invasive species is required at the site. New scrub planting will be undertaken to mitigate for vegetation removed and areas of grass will be reinstated. Ground levels will be reinstated around the new outfall structure, steps and retaining walls and blended back into the existing slope profile. The seeding of the slope will be to stabilise the soils after construction.

GENERAL

All planting to comply with BS3936 Relevant parts for Nursery Stock. All pre-planting, site preparation, planting and post planting maintenance shall be carried out in accordance with BS4428:1989 Code of Practice for General Landscape Operations and BS7370-4:1993 Grounds Maintenance. Refer to the table for the planting schedule.

SCHEDULE OF IMPLEMENTATION

The landscape reinstatement shall be carried out in the first available season after completion of construction, when weather conditions are suitable:
Soiling and amenity seeding April - October
Planting October - March

SITE CLEARANCE

Prior to construction, topsoils will be stripped from the proposed construction area and stored for the duration of construction for reuse in reinstatement. All roots within the construction area are to be removed. No ground works or soiling will be undertaken within the Construction Exclusion Zone (CEZ) of existing trees to be retained, as defined by the temporary tree protection fence in the Arboricultural Method Statement and drawings.

MANAGEMENT AND REINSTATEMENT OF SOILS

All soiling works will be carried out in accordance with DEFRA Construction Code of Practice for the Sustainable Use of Soils on Construction Sites and British Standards for Topsoil (BS3882:2015) and Subsoil (BS8601:2013) for the stripping, handling, storage and spreading of soils. Invasive species are present at the site. An invasive species management plan will form part of the environmental controls for the works. Topsoils should be concentrated to proposed planting areas, so that future wildflower areas are seeded onto lower nutrient subsoils. Any weed growth should be cut or removed before cultivations.

PROPOSED SCRUB PLANTING

Planting to be carried out after seeding if possible. If construction is completed outside of the bare root planting season, containerised planting of stock may be appropriate.

- Planting to consist of mixed deciduous and evergreen native species planted at centres shown in schedule in single species groups of 3-10No.
- All evergreen species to be pit planted in pits 100mm dia wider and deeper than the pot and backfilled with as dug material.
- All bare root stock to be planted in an I, T or H shaped notch, ensuring all roots are planted below ground and plant firmed in well around the collar.
- All plants to receive 35gms slow release fertiliser at time of planting.
- All plants to be protected with biodegradable rabbit guards and secured as recommended by supplier.

PROPOSED SEEDING TO AMENITY AREAS AND PLANTING AREAS

Seeding to be carried out in the appropriate season after construction. If there is a gap between completion of construction and the seeding season, application of the seed mix through hydroseeding is recommended, or installation of a pre-seeded coir mat to aid slope stabilisation. All areas to be reinstated to be seeded to suppress weed growth and prevent erosion of soils, especially if works are completed outside of the planting season. An Italian ryegrass (Lolium multiflorum) is to be sown for quick establishment of the sward to aid soil stabilisation. Mix to be sown at 35g per m². this is a short lived mixed that will persist for 2 years. The area is to be overseeded with a species rich wildflower and grasses mix Loam and Alluvial Soils Wildflower Seeds LW4M or equivalent product sown at 5 g/m² (50 kg/ha) that will gradually take over.

PLANTING SCHEDULE

SC - Scrub mix at 1m centres 101m2	Form	Age Condition/ Number of Times Transplanted	Overall or Minimum Height cm	Root Condition	%	Total	
Crataegus monogyna	transplant	1+1	80-100cm	bagged	55	55	
Corylus avellana	transplant	1+1	80-100cm	bagged	25	25	
Ilex aquifolium	transplant	1+1	80-100cm	bagged	10	10	
Sambucus nigra	transplant	1+1	40-60cm	container grown	5	5	
Rosa canina	transplant	1+1	40-60cm	bagged	3	3	
Viburnum lantana	transplant	1+1	80-100cm	bagged	2	2	
					100	100	

- LW4 should be sown between March and November. Spring and autumn provide ideal conditions as moisture and warmth are in good supply.
- Distribute seed with a hand held or pedestrian spreader, at the recommended sowing rate of 5g/sqm. Mix the wildflower seeds with an inert carrier (such as sharp sand), at a ratio of four parts sand to one part seed (by weight). This makes it easier to achieve an even distribution and also provides a visual marker, making it easier to see any missed patches and avoid seeding areas twice.
- Regularly mix the seed when sowing, as seeds will naturally separate due to variations in size and weight.
- Once sown, ensure good 'seed to soil' contact by lightly raking to a depth of 0.5cm or rolling the area.
- It is also possible to broadcast, drill or hydroseed this mixture for larger or hard to reach areas. However, broadcast spreading throws heavier seeds further so this may impact the distribution and when drilling, the seed must not be buried deeper than 0.7cm.

ESTABLISHMENT MAINTENANCE FOR TWO YEARS POST PLANTING - Extent of establishment maintenance and timing of handover of areas to be discussed and agreed with Bury MBC and Parks Department in the event that areas of amenity grass and planting are handed over in a phased manner.

- All litter and arising stone larger than 50mm in any dimension to be removed from grassed areas.
- Remove weeds growing to base of guards by hand pulling.
- Reform plants to maintain upright growth in first two years of maintenance until established.
- Any shrubs which are removed, damaged, dead or diseased within 5 years of planting will be replaced in the first available planting season with appropriate replacements of same or similar species and size of original plants.
- Removal of stakes and plant accessories shall be after five years or when plants are self-supporting, whichever is the sooner.
- Management of amenity grassland - after initial cut, areas to be managed with differential mowing regime until established and handed over to Bury MBC Parks Dept for continued maintenance.
- Vigorous weeds should be hand pulled or cut with a hand-operated strimmer or similar to suppress growth.
- A separate invasive species management plan will be developed for the construction, reinstatement and maintenance phases of the works.

GRASS AND MEADOW ESTABLISHMENT:

First Year

- LW4 contains many perennial species, which can be slow to establish and are unlikely to flower in the first year. Therefore it is important to control weed and grass growth in year one.
 - During the first year remove any weeds which grow before they run to seed, either by topping, mowing or by hand for smaller areas. Weed growth is common due to the action of disturbing the ground (rather than being caused by contaminated seed mixtures).
 - The nurse grasses are the first to grow and require topping or mowing in March and again in May. Remove all clippings to ensure the grass canopy doesn't interfere with the germination and spring growth of the wildflowers.
 - In September / October cut the area to 10cm using a scythe, strimmer or mower, leaving the cuttings for up to a week before removing. This allows them to dry and shed seeds back into the soil. Mow or graze the re-growth through autumn/ winter and again in early spring if needed.
- ##### Second Year
- After twelve months the sward should be well established. Simply follow the same cutting pattern (in March and September/October). Avoid cutting from mid spring to summer to ensure best flowering results.
 - As an ongoing process, remove any weeds which invade the area.
 - Over time, some species within the mixture may become more dominant due to environmental factors and natural selection. To encourage diversity, simply reduce the number of dominant plants in order to restore the balance. In some areas with more dominant grasses, it may be necessary to overseed occasionally with a pure wildflower mixture such as LW4 or LWRE to ensure the wildflowers remain competitive.

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES ABOVE CHART DATUM UNLESS NOTED OTHERWISE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS AND PROJECT SPECIFICATION.
- WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAYS WORKS (SHW) UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AND CONFIRMED ON SITE PRIOR TO WORK COMMENCING.
- ANY DISCREPANCIES TO OR OMISSIONS ARE TO BE REPORTED TO THE PROJECT MANAGER FOR FURTHER INSTRUCTIONS BEFORE COMMENCEMENT OF WORKS.

CURRENT ISSUE INFORMATION

P01	MD	RS	AO	FOR INFORMATION		20/06/2024
VERSION	AUTH	CHKD	REVD	REASON FOR ISSUE		DATE
S2				FOR INFORMATION		
SUITABILITY CODE				SUITABILITY DESCRIPTION		



BATCH 16 AMP 7
BURY 0021- AESTHETIC SCREENING
LANDSCAPE PROPOSALS PLAN
OUTFALL LOCATION

SCALE AS INDICATED	SHEET SIZE A1
DRAWING NUMBER 80062003-02-EMG-092LR-99-DR-04-00002	REVISION P01