SUNSHINE CANYON
Landfill

14747 San Fernando Road
Sylmar, CA 91342

November 10, 2023

Mr. Dave Thompson
SCL – LEA Program Manager
Los Angeles County Department of Public Health – LEA Program
5050 Commerce Dr
Baldwin Park, CA 91706

SUBJECT: UPDATED 2023 WET WEATHER PREPAREDNESS REPORT AND WINTER OPERATIONS PLAN - SUNSHINE CANYON CITY/COUNTY LANDFILL -NOVEMBER 2023

Dear Mr. Thompson:

In accordance with the Sunshine Canyon City/County Landfill (SCL), Solid Waste Facility Permit (SWFP) (Facility #19-AA-2000), Condition 16.I, SWT Engineering (SWT) has prepared this updated Wet Weather Preparedness Report and Winter Operations Plan (Wet Weather Preparedness Report) on behalf of Browning Ferris Industries of California, Inc. dba Sunshine Canyon Landfill, Inc. As reported in prior years, the goals of the Wet Weather Improvements installed at the SCL are classified under four categories:

1. **Sediment Management:** Consists of constructed measures to minimize suspended solids from the site runoff exiting the terminal basin;
2. **Erosion Control Measures:** Consists of features to prevent rainfall and runoff erosion of daily and intermediate soil layers that cover active refuse fill areas with the purpose of preventing storm water contact to buried refuse. This includes grading of soil covers to prevent surface ponding and subsequent storm water infiltration into the existing refuse fill;
3. **Maintenance:** Consists of maintaining existing storm water control structures serving both the active and the closed refuse fill areas; and
4. **Expansion:** Consists of installing new runoff control systems to meet the changing needs of the site due to ongoing fill operations.

According to the Los Angeles Regional Water Quality Control Board (LA RWQCB) inspection on April 21, 2023, and the Notice of Violation (NOV) letter received on May 17th, 2023, the site performed its wet weather prep prior to August 17th to meet the NOV requirements. During the site review prior that date, the site completed all tasks presented in the NOV; however, on August 22nd, 2023 the southern California area experienced a tropical storm from the Hurricane Hilary event, in which the site received over 5.5 inches of rain. As this was an

extremely rare case for a heavy storm event in August for Southern California, several of the winter preparations that were done were impacted by the hurricane.

Some of the impacted site features included new sediment in all stormwater basins, collection of sediment in stormwater channels, some minor erosion rilling, and new sediment around stormwater inlets. A majority of these items have already been addressed. The following section breaks down the four classified categories listed above for the SCL that were completed year to date.

Sediment Management and Erosion Control Measures – (Categories 1 and 2):

The following is a list of work that has been completed to address sediment management and erosion control on site (improvements shown on Drawings 1 and 2 attached):

- Installed 26 acres of Closure Turf (2017) to provide slope protection on slope areas east of the administration buildings (See Drawing 2);
- Inspected Filtrexx compost rolls at the toe of disturbed slopes throughout various areas of the site, and replaced/added rolls on an as needed basis;
- Track-walked slopes throughout the site to reduce slope erosion and allow establishment of seeded or native vegetation in non-active areas;
- Inspected the basin risers filter fabric in Basins A, B, and D, replaced as needed;
- Cleaned the skimmer systems in the Terminal Basin to make sure they are functioning properly;
    - Repaired the terminal basin outlet riser after the 2022/2023 storm damage;
- Installed approximately ±16.5 acres of fiber rolls spaced at 15-feet vertically on landfill slopes;
- Graded active landfill decks to prevent erosion by avoiding overly steepened swales with deck berms;
- Based in operational wet weather deck with recycled asphalt concrete;
- Added geotextile k-rail wraps to help create sedimentation traps; and
- Graded soil cover in active landfill areas to prevent surface ponding.

The following is a list of measures/protocols to be taken during the wet weather season, and specifically before and after rain events:

- Proactive identification of low areas due to routine settlement or natural erosion;
- Repair/regrading of these identified areas promptly; and
- If ponding is identified after a rain event, the area should be immediately identified for corrective action and regraded prior to the next rain event.

Maintenance and Expansion of Storm Water Control Systems – (Categories 3 and 4):

The following is a list of maintenance and new stormwater project that have been completed on site (improvements shown on Drawings 1 and 2 attached):

- Removal of silt, gravel check dams, and vegetation from the perimeter channels;
- Cleanout of sediment from Basins A B, D, and the Terminal Basin;
- Cleaned the skimmer systems in the Terminal Basin to make sure they are functioning properly;
- Cleaned out the access road trench drain systems;
- Graded benches to promote positive drainage and reduce overtopping;
- Cleaned pipes and inlets of vegetation and litter;
- Fiber rolls were installed prior to down drain flumes/channels, and at the base of all stockpiles;
- Construction of Diversion Berms and swales were created or reconstructed to create flows towards drainage inlets/perimeter channels;
- Repaired and installed drainage pipes to convey stormwater to the perimeter;
- Installed drainage slides to help with temporary drainage areas;
- Installed a pumping system (prior to the first rain) in low points; and
- Repaired pipe joints and reset down-drains as required.

The following is a list of measures/protocols to be taken during the wet weather season, and specifically before and after rain events:

- Proactive identification of erosion where trash is exposed and immediate correction once safe and feasible

Constructed/Maintained Sediment Management and Erosion Control Measures:

The following control systems were constructed prior to the 2023-2024 wet weather season that have remained in place as part of the site's overall stormwater management plan:

- 26 Acres of Closure Turf (2017) and 15+ acres of coconut matting (2017-2019) on interim refuse fill slopes;
- Western perimeter drainage channel after sedimentation Basin A;
- Drainage improvements along the northeast perimeter road;
- Graded landfill decks to ensure drainage to the perimeter channels/basins in the northwest via pumping system; and

- Enhanced access roads to areas with potential for significant erosion to allow for prompt corrective actions should they become necessary during the wet weather season.

Planned Sediment Management and Erosion Control Measures:

As stated above, the site experienced over 5.5 inches of rainfall from Hurricane Hilary on August 22, which impacted several of the site's winter preparations; as such, and as previously communicated to the LEA and LA RWQCB, the site finalized the remaining improvements by October 15th. The following is a list of those improvements, which are shown on the "Planned Winterization" Drawings 3 and 4 apart of this submittal:

- Finish installing approximately ±8.5 acres of fiber rolls spaced at 15-feet vertically on landfill slopes;
- Cleanout of sediment from Basin A (Note: Basin A to be cleaned out as time permits and material is safe to remove); and
- Install drainage slides to help with temporary drainage areas.

As of the date of this Final Report, all items have been completed.

Sediment Management and Erosion Control Measures:

The SCL has the Entrance Road Improvements Construction Project which consists of three primary phases and is currently managed under a distinct Construction SWPPP overseen by Sukut Construction. Interim and post-development BMP's are included in the SWPPP and adhere to the requirements of the Construction General Permit (CGP). These measures are shown on the figures within Attachment 1 and Attachment 2 of this plan. A copy of the complete Construction SWPPP is available on SMARTS or per request.

Wet Weather Event Preparedness:

The Wet Weather Preparedness plan includes actions that will be taken prior to a predicted severe wet weather event. These measures will be taken at least 24 hours prior to the projected on-set of the event. The application of these additional measures will be based on an assessment of the existing site conditions prior to the event and what additional measures will be most effective in minimizing surface erosions. The additional measures may include some or all of the following actions:

- Inspection of all onsite inlets to ensure they are clear;
- Drainage benches to be inspected ensure proper cambered to the inside hinge to reduce overtopping and erosion of the slopes;

- Additional fiber rolls/straw wattles will be placed on slope areas at approximately 15 vertical feet to slow stormwater flow as needed;
- Application of soil stabilizer containing polymers formulated specifically for stabilization of slopes on appropriate slope areas, where applicable; and
- Construction of additional stormwater control berms is necessary to direct stormwater flow to the appropriate existing on-site structures based on ongoing refuse filling operations.

The following is a list of measures that may be taken during a wet weather event:

- Temporarily discontinue operations if storm event interferes with operation or is deemed unsafe or hazardous and/or address weather impacts;
- Limit unnecessary work which could contribute to odors or unsafe working conditions during a rain event; and
- Delay installation and trenching of vertical wells and horizontal collectors until after 9 am if feasible and safe.

The following is a list of measures that may be taken after a wet weather event:

- Inspect entirety of the site by a member of the management team to identify any areas of ponding, significant erosion, exposed trash or other storm-related infrastructure damage;
- Identify/document corrective measures and implement immediate repair when feasible and safe;
- Eliminate all ponded water within 48 hours after storm event, with pumps as necessary; and
- Implement protocols for odorous load management on an as-needed basis; which may include increased communication regarding wet/odorous loads with transfer stations ahead of arrival to landfill; diverting loads originating from known or recently identified odorous routes; and rejecting loads that are highly odorous.

Site Inspection:

The SCL was inspected throughout the spring and summer of 2023 to prepare the site for the 2023-2024 wet weather season by the following staff and 3rd party consultants:

Paul Koster
Environmental Manager
Sunshine Canyon Landfill
PKoster@republicservices.com
Cell: 818-200-3016

Jeremy A. Botica, P.E. 81230, M.S.,
Project Manager
SWT Engineering
jab@swteng.com
Cell: 805-479-3844

Jacob Friedman
Environmental Specialist
Sunshine Canyon Landfill
JFriedman@republicservices.com
Cell: 661-190-3213

If you have any questions or require any additional information about this report or the SCL itself, please feel free to contact Paul Koster at 818-200-3016.

Sincerely,
Paul Koster,
Environmental Manager
Sunshine Canyon Landfill

_____ 11/15/223 .
Environmental Manager Date

Enclosures:

Drawing 1:	Constructed Northern Winterization Plan 1
Drawing 2:	Constructed Southern Winterization Plan 2
Drawing 3:	Planned Northern Winterization Plan 1 (none planned not included)
Drawing 4:	Planned Southern Winterization Plan 2 (none planned not included)
Attachment 1:	Entrance Road Improvements Construction Project Erosion Control Measures for Phase 1 and 2
Attachment 2:	Entrance Road Improvements Construction Project Erosion Control Measures for Phase 3

DRAWINGS

DRAWING 1: COMPLETED NORTHERN WINTERIZATION PLAN 1
DRAWING 2: COMPLETED SOTUHERN WINTERIZATION PLAN 2
DRAWING 3: PLANNED NORTHERN WINTERIZATION PLAN 1
DRAWING 4: PLANNED SOUTHERN WINTERIZATION PLAN 2

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- 1650 EXISTING GRADE CONTOUR
- SILT FENCE
- TOP DECK BERN
- LITTER FENCE
- FLOW ARROW
- SOIL BINDER
- CLOSURE TURF
- COCONUT EROSION CONTROL BLANKET
- CEDAR WOOD CHIP COVERING

BMP's

1. CLEAN OUT SOIL FROM EARTHEN/CONCRETE BASIN
2. CLEAN OUT INLET AND PLACE A FIBER ROLL STAKED IN PLACE AROUND OPENING (SE-05)
3. CLEAN OUT V-DITCH
4. CLEAN SEDIMENT FROM PERIMETER CHANNEL
5. CLEAN OUT INLET AND REPAIR PIPE
9. INSPECT RISER PIPE(S) AND 16 OZ/SY GEOTEXTILE WRAP, REPLACE IF DAMAGED AND PLACE COBBLE ROCK AROUND FOR PROTECTION
13. INSTALL RICE ROLLS EVERY 15-VERTICAL FEET ON LEVEL CONTOUR
18. CONSTRUCT TOP DECK EARTHEN BERM TO DIRECT FLOW TO LOW POINT INLET
19. FILL IN LOW POINTS WITH SOIL TO CREATE POSITIVE DRAINAGE TO PERIMETER DRAINAGE FEATURES
20. REMOVE AND RECONSTRUCT DRAINAGE BERM AND SWALE TO ALLOW STORMWATER TO DRAIN TOWARDS EXISITNG INLET
21. INSTALL RICE ROLL AROUND THE TOE OF THE TOP DECK STOCKPILE (LIMITS PER CURRENT CONDITION)
23. REPAIR EROSION ON SLOPE TO 90% RELATIVE COMPACTION
25. BACKFILL CHANNEL EDGE TO STOP UNDERMINING
26. REPLACED DOWN DRAIN CHANNEL PER ENGINEERS RECOMMENDATIONS
27. STABILIZE SLOPE PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS

MATCHLINE - SEE SHEET 2

DRAFT - NOT FOR CONSTRUCTION

DATE OF TOPOGRAPHY: JULY 25, 2023

NO.	REVISION DESCRIPTION	DATE

REPUBLIC SERVICES

SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO ROAD
SYLMAR CA, 91342

PREPARED BY:
SWT Civil & Environmental Engineering
800 C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761

REGISTERED PROFESSIONAL ENGINEER JEREMY A. BOTTCH No. 81230 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF _____ DATE

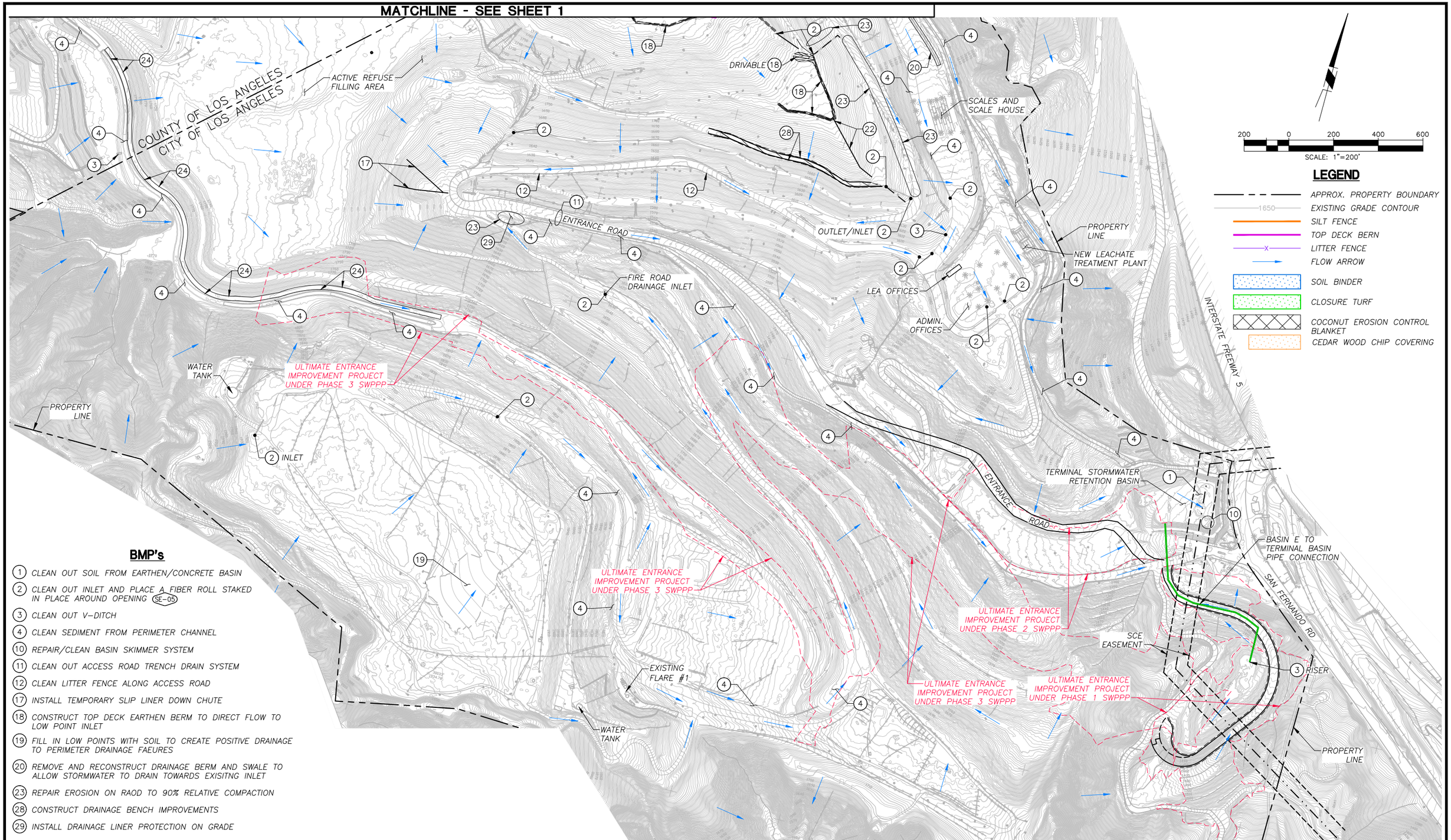
SUNSHINE CANYON LANDFILL

WET WEATHER PREPAREDNESS PLAN 2023
COMPLETED NORTHERN WINTERIZATION PLAN 1

DESIGNED BY : J.A.B.	SCALE : AS SHOWN	PROJECT NO: XXXXXX
DRAWN BY : J.A. / A.Z.	DATE : 10-2023	
CHECKED BY : J.A.B.	DATE : 10-2023	
APPROVED BY :	DATE :	SHEET 1 OF 4

Z:\PROJECTS\REPUBLIC SERVICES\SUNSHINE CANYON LANDFILL\WINTERIZATION PLANS\STORMWATER 2023\#CAD\SHEET SET\01-SCL-STORMWATER

MATCHLINE - SEE SHEET 1



BMP's

1. CLEAN OUT SOIL FROM EARTHEN/CONCRETE BASIN
2. CLEAN OUT INLET AND PLACE A FIBER ROLL STAKED IN PLACE AROUND OPENING (SE-05)
3. CLEAN OUT V-DITCH
4. CLEAN SEDIMENT FROM PERIMETER CHANNEL
10. REPAIR/CLEAN BASIN SKIMMER SYSTEM
11. CLEAN OUT ACCESS ROAD TRENCH DRAIN SYSTEM
12. CLEAN LITTER FENCE ALONG ACCESS ROAD
17. INSTALL TEMPORARY SLIP LINER DOWN CHUTE
18. CONSTRUCT TOP DECK EARTHEN BERM TO DIRECT FLOW TO LOW POINT INLET
19. FILL IN LOW POINTS WITH SOIL TO CREATE POSITIVE DRAINAGE TO PERIMETER DRAINAGE FAEURES
20. REMOVE AND RECONSTRUCT DRAINAGE BERM AND SWALE TO ALLOW STORMWATER TO DRAIN TOWARDS EXISITNG INLET
23. REPAIR EROSION ON RAOD TO 90% RELATIVE COMPACTION
28. CONSTRUCT DRAINAGE BENCH IMPROVEMENTS
29. INSTALL DRAINAGE LINER PROTECTION ON GRADE

DRAFT - NOT FOR CONSTRUCTION

DATE OF TOPOGRAPHY: JULY 25, 2023

NO.	REVISION DESCRIPTION	DATE

REPUBLIC SERVICES

SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO ROAD
SYLMAR CA, 91342

PREPARED BY:
SWT Civil & Environmental Engineering
800 C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761

REGISTERED PROFESSIONAL ENGINEER JEREMY A. BOTTA No. 81230 CIVIL STATE OF CALIFORNIA

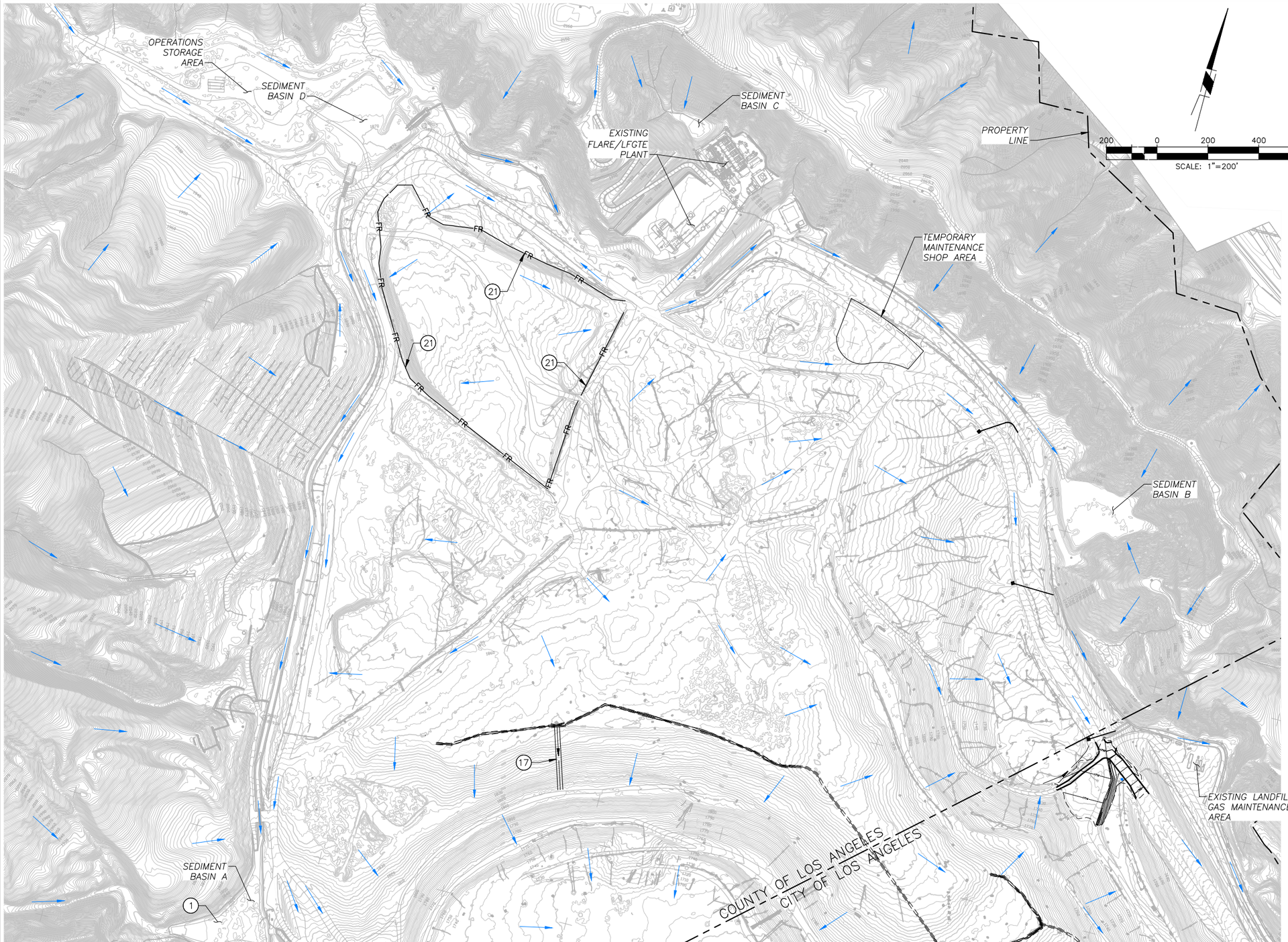
PREPARED UNDER THE SUPERVISION OF DATE

SUNSHINE CANYON LANDFILL

WET WEATHER PREPAREDNESS PLAN 2023
COMPLETED SOUTHERN WINTERIZATION PLAN 2

DESIGNED BY : J.A.B.	SCALE : AS SHOWN	PROJECT NO: XXXXXX
DRAWN BY : J.A. / A.Z.	DATE : 10-2023	
CHECKED BY : J.A.B.	DATE : 10-2023	SHEET 2 OF 4
APPROVED BY :	DATE :	

Z:\PROJECTS\REPUBLIC SERVICES\SUNSHINE CANYON LANDFILL\WINTERIZATION PLANS\STORMWATER 2023\ACAD\SHEET SET\02-SCL-STORMWATER



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- 1650 EXISTING GRADE CONTOUR
- SILT FENCE
- TOP DECK BERN
- LITTER FENCE
- FLOW ARROW
- SOIL BINDER
- CLOSURE TURF
- COCONUT EROSION CONTROL BLANKET
- CEDAR WOOD CHIP COVERING

BMP's

1. CLEAN OUT SOIL FROM EARTHEN/CONCRETE BASIN
17. INSTALL TEMPORARY SLIP LINER DOWN CHUTE
21. INSTALL RICE ROLL AROUND THE TOE OF THE TOP DECK STOCKPILE (LIMITS PER CURRENT CONDITION)

NOTES:
1. ALL DECK BERMS AND SLOPE FIBER ROLLS SHALL BE INSTALLED AND COMPLETED PRIOR TO OCTOBER 1ST.
2. ALL HYDROSEEDING TO BE INSTALLED AFTER FIRST RAIN EVENT IN OCTOBER/NOVEMBER TO HELP IMPROVE GERMINATION.

MATCHLINE - SEE SHEET 4

DRAFT - NOT FOR CONSTRUCTION

DATE OF TOPOGRAPHY: JULY 25, 2023

NO.	REVISION DESCRIPTION	DATE

REPUBLIC SERVICES

SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO ROAD
SYLMAR CA, 91342

PREPARED BY:
SWT Civil & Environmental Engineering
800 C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761

REGISTERED PROFESSIONAL ENGINEER JEREMY A. BOTICA No. 81230 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF DATE

SUNSHINE CANYON LANDFILL

WET WEATHER PREPAREDNESS PLAN 2023
PLANNED NORTHERN WINTERIZATION PLAN 1

DESIGNED BY : J.A.B.	SCALE : AS SHOWN	PROJECT NO: XXXXXX
DRAWN BY : J.A. / A.Z.	DATE : 10–2023	
CHECKED BY : J.A.B.	DATE : 10–2023	
APPROVED BY :	DATE :	SHEET 3 OF 4

Z:\PROJECTS\REPUBLIC SERVICES\SUNSHINE CANYON LANDFILL\WINTERIZATION PLANS\STORMWATER 2023\ACAD\SHEET SET\03-SCL-STORMWATER

MATCHLINE - SEE SHEET 3

TRENCH LFG PIPE TO ALLOW DRAINAGE

ACTIVE REFUSE FILLING AREA

COUNTY OF LOS ANGELES
CITY OF LOS ANGELES

SCALES AND SCALE HOUSE

ENTRANCE ROAD

PROPERTY LINE

NEW LEACHATE TREATMENT PLANT

FIRE ROAD DRAINAGE INLET

LEA OFFICES

ADMIN. OFFICES

INTERSTATE FREEWAY 5

WATER TANK

ULTIMATE ENTRANCE IMPROVEMENT PROJECT UNDER PHASE 3 SWPPP

PROPERTY LINE

TERMINAL STORMWATER RETENTION BASIN

ENTRANCE ROAD

BASIN E TO TERMINAL BASIN PIPE CONNECTION

SAN FERNANDO RD

ULTIMATE ENTRANCE IMPROVEMENT PROJECT UNDER PHASE 3 SWPPP

ULTIMATE ENTRANCE IMPROVEMENT PROJECT UNDER PHASE 2 SWPPP

SCE EASEMENT

EXISTING FLARE #1

ULTIMATE ENTRANCE IMPROVEMENT PROJECT UNDER PHASE 3 SWPPP

ULTIMATE ENTRANCE IMPROVEMENT PROJECT UNDER PHASE 1 SWPPP

BASIN E

WATER TANK

PROPERTY LINE

200 0 200 400 600
SCALE: 1"=200'

LEGEND

- APPROX. PROPERTY BOUNDARY
- 1650 EXISTING GRADE CONTOUR
- SILT FENCE
- TOP DECK BERN
- LITTER FENCE
- FLOW ARROW
- SOIL BINDER
- CLOSURE TURF
- COCONUT EROSION CONTROL BLANKET
- CEDAR WOOD CHIP COVERING

BMP's

(10) REPAIR/CLEAN BASIN SKIMMER SYSTEM

(13) INSTALL RICE ROLLS EVERY 15-VERTICAL FEET ON LEVEL CONTOUR

(17) INSTALL TEMPORARY SLIP LINER DOWN CHUTE

(20) REMOVE AND RECONSTRUCT DRAINAGE BERM AND SWALE TO ALLOW STORMWATER TO DRAIN TOWARDS EXISITNG INLET

(22) INSTALL 24" CHDPE FLARED INLET AND DOWN DRAIN WITH CALTRANS JOINT RESTRAINTS ON SLOPE

(29) INSTALL DRAINAGE LINER PROTECTION ON GRADE

(30) WRAP K-RAILS IN GEOTEXTILE FOR A FILTER CHECK DAM

NOTES:
1. ALL DECK BERMS AND SLOPE FIBER ROLLS SHALL BE INSTALLED AND COMPLETED PRIOR TO OCTOBER 1ST.
2. ALL HYDROSEEDING TO BE INSTALLED AFTER FIRST RAIN EVENT IN OCTOBER/NOVEMBER TO HELP IMPROVE GERMINATION.

DRAFT - NOT FOR CONSTRUCTION

DATE OF TOPOGRAPHY: JULY 25, 2023

NO.	REVISION DESCRIPTION	DATE

REPUBLIC SERVICES

SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO ROAD
SYLMAR CA, 91342

PREPARED BY:
SWT Civil & Environmental Engineering
800 C SOUTH ROCHESTER AVENUE
ONTARIO, CALIFORNIA 91761

REGISTERED PROFESSIONAL ENGINEER JEREMY A. BOTTA No. 81230 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF DATE

SUNSHINE CANYON LANDFILL

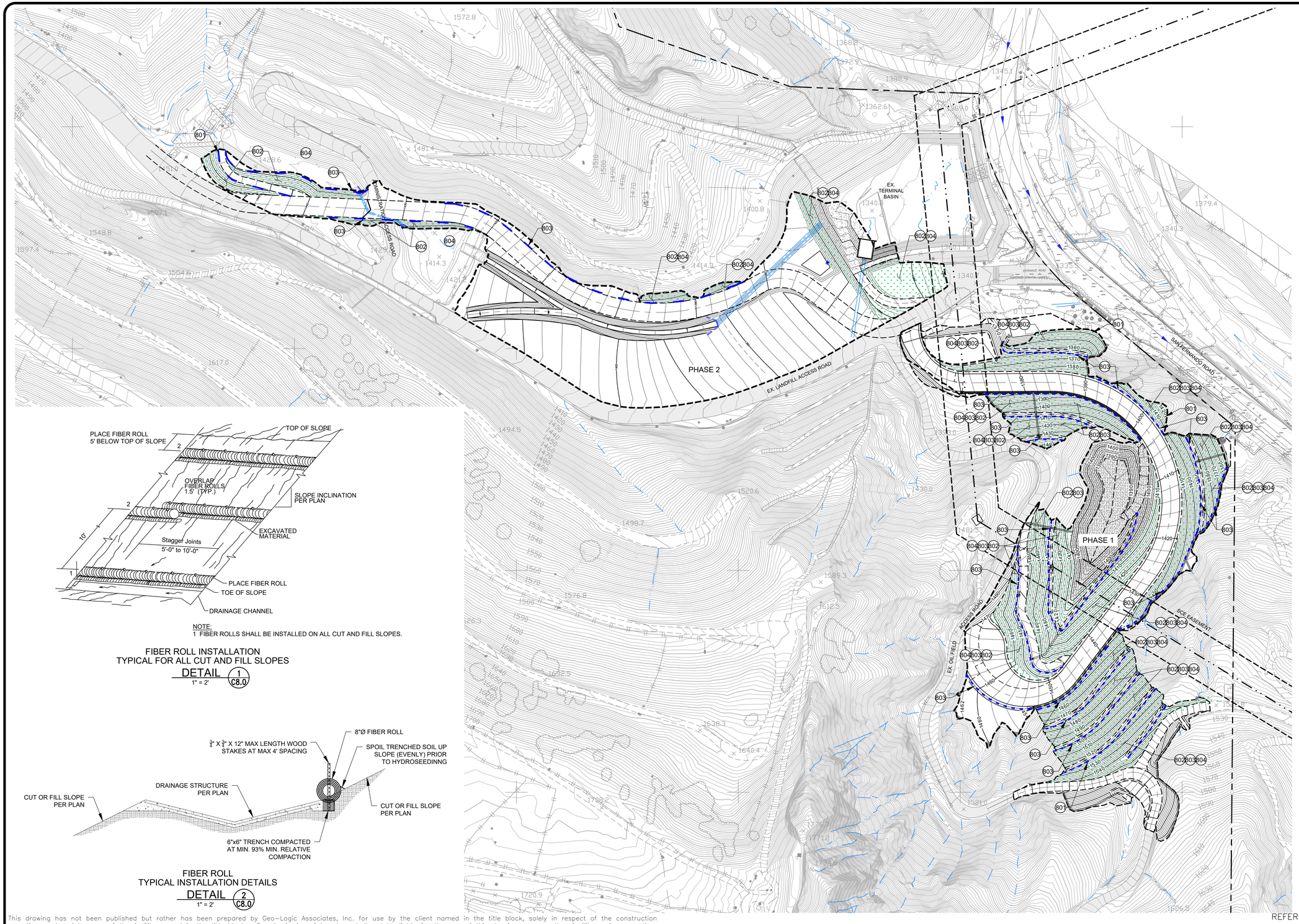
WET WEATHER PREPAREDNESS PLAN 2023
PLANNED SOUTHERN WINTERIZATION PLAN 2

DESIGNED BY : J.A.B.	SCALE : AS SHOWN	PROJECT NO: XXXXXX
DRAWN BY : J.A. / A.Z.	DATE : 10-2023	
CHECKED BY : J.A.B.	DATE : 10-2023	SHEET 4 OF 4
APPROVED BY :	DATE :	

Z:\PROJECTS\REPUBLIC SERVICES\SUNSHINE CANYON LANDFILL\WINTERIZATION PLANS\STORMWATER 2023\ACAD\SHEET SET\04-SCL-STORMWATER

ATTACHMENT 1

ENTRANCE ROAD IMPROVEMENTS CONSTRUCTION PROJECT
PHASES 1 AND 2 EROSION CONTROL MEASURES



LEGEND

- PROPERTY BOUNDARY
- 1400 EXISTING 10 FT CONTOUR
- EXISTING 2 FT CONTOUR
- EXISTING PAVED ROAD
- EXISTING UNPAVED ROAD
- EXISTING FENCE
- EXISTING DRAINAGE
- 1400 PROPOSED 10 FT CONTOUR
- PROPOSED 2 FT CONTOUR
- GRADING HINGE
- SCE EASEMENT
- RETAINING WALL
- PHASE GRADING LIMITS
- FIBER ROLL
- HYDROSEED AND JUTE NET (802)(804)

CONSTRUCTION NOTES

(802) FURNISH & APPLY HYDROSEED ON SIDE SLOPES IN ACCORDANCE WITH APPLICABLE PROJECT SPECIFICATIONS

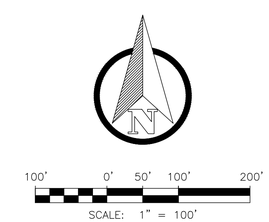
(803) FURNISH & INSTALL FIBER ROLL EROSION BARRIERS IN ACCORDANCE WITH THE APPLICABLE PROJECT SPECIFICATIONS AND CONSTRUCTION DETAILS

(804) FURNISH & INSTALL EROSION CONTROL BLANKET (SUCH AS JUTE MAT OR APPROVED EQUAL) IN ACCORDANCE WITH THE APPLICABLE PROJECT SPECIFICATIONS AND CONSTRUCTION DETAILS

NOTE:
1 FIBER ROLLS SHALL BE INSTALLED ON ALL CUT AND FILL SLOPES.

FIBER ROLL INSTALLATION
TYPICAL FOR ALL CUT AND FILL SLOPES
DETAIL 1 / C8.0
1" = 2'

FIBER ROLL
TYPICAL INSTALLATION DETAILS
DETAIL 2 / C8.0
1" = 2'



ISSUED FOR CONSTRUCTION
REFERENCE AERIAL TOPO BASED ON FEBRUARY 13, 2020
AERIAL SURVEY BY COOPER AERIAL SURVEYS CO.

REV. NO.	DATE	DESCRIPTION	APPROVED BY

DATE OF ISSUE: AUGUST 2023
DESIGNED BY: F MINA
CAD DESIGN BY: J TAMBA
CHECKED BY: F MINA
APPROVED BY: F MINA

DIGALERT 811

Geo-Logic ASSOCIATES
2777 EAST GUASTI ROAD
SUITE 1
ONTARIO, CA 91761
(909) 626-2282
www.geo-logic.com

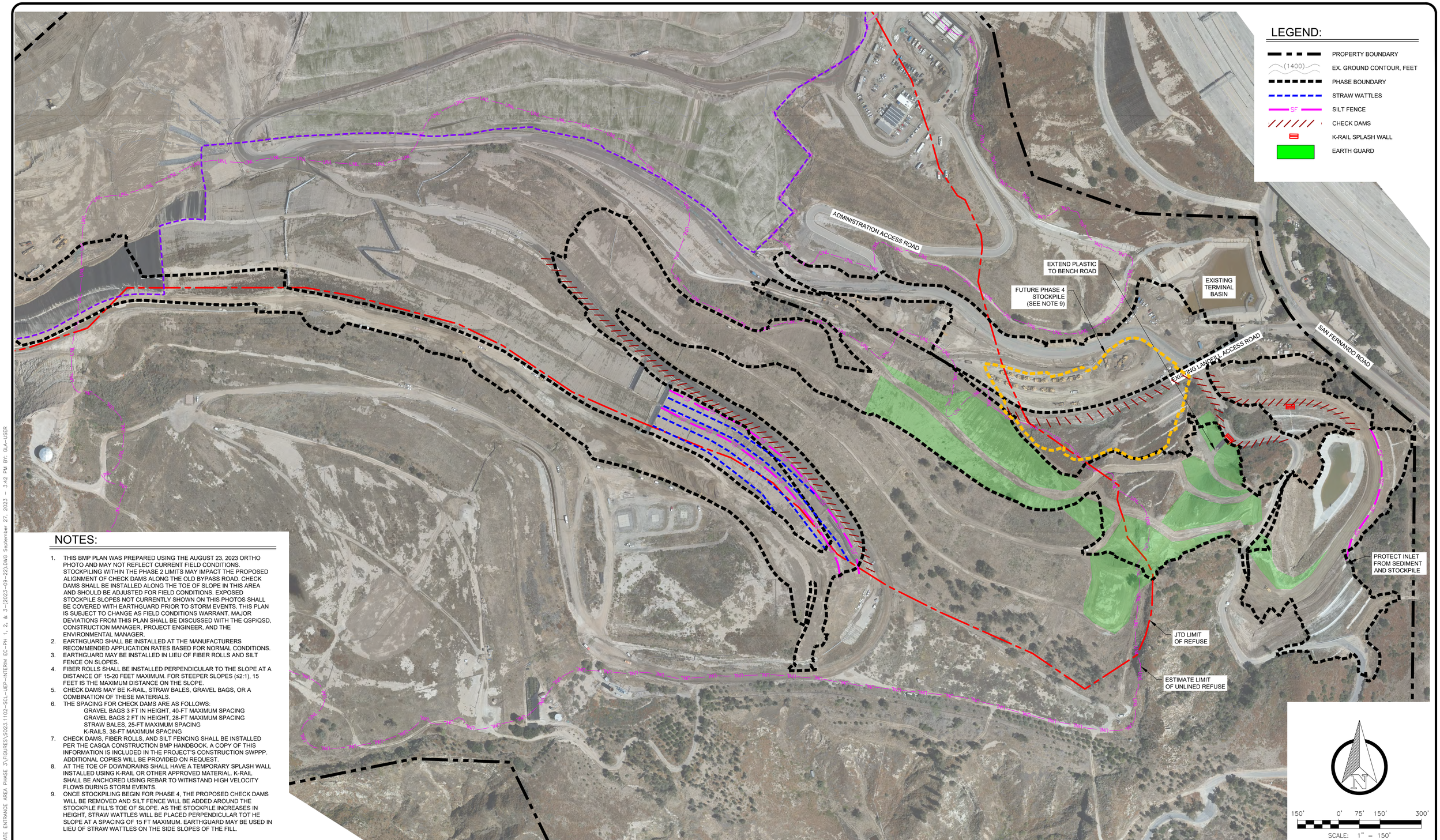
REPUBLIC SERVICES
SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO ROAD
SYLMAR,CA. 91342

SUNSHINE CANYON LANDFILL
ULTIMATE ENTRANCE IMPROVEMENT PROJECT
PHASES 1 - 2
POST CONSTRUCTION
EROSION CONTROL PLAN

DWG NO.
FIG-2
PROJECT NO.
S023.1102

ATTACHMENT 2

ENTRANCE ROAD IMPROVEMENTS CONSTRUCTION PROJECT
PHASE 3 EROSION CONTROL MEASURES



NOTES:

1. THIS BMP PLAN WAS PREPARED USING THE AUGUST 23, 2023 ORTHO PHOTO AND MAY NOT REFLECT CURRENT FIELD CONDITIONS. STOCKPILING WITHIN THE PHASE 2 LIMITS MAY IMPACT THE PROPOSED ALIGNMENT OF CHECK DAMS ALONG THE OLD BYPASS ROAD. CHECK DAMS SHALL BE INSTALLED ALONG THE TOE OF SLOPE IN THIS AREA AND SHOULD BE ADJUSTED FOR FIELD CONDITIONS. EXPOSED STOCKPILE SLOPES NOT CURRENTLY SHOWN ON THIS PHOTOS SHALL BE COVERED WITH EARTHGUARD PRIOR TO STORM EVENTS. THIS PLAN IS SUBJECT TO CHANGE AS FIELD CONDITIONS WARRANT. MAJOR DEVIATIONS FROM THIS PLAN SHALL BE DISCUSSED WITH THE QSP/QSD, CONSTRUCTION MANAGER, PROJECT ENGINEER, AND THE ENVIRONMENTAL MANAGER.
2. EARTHGUARD SHALL BE INSTALLED AT THE MANUFACTURERS RECOMMENDED APPLICATION RATES BASED FOR NORMAL CONDITIONS.
3. EARTHGUARD MAY BE INSTALLED IN LIEU OF FIBER ROLLS AND SILT FENCE ON SLOPES.
4. FIBER ROLLS SHALL BE INSTALLED PERPENDICULAR TO THE SLOPE AT A DISTANCE OF 15-20 FEET MAXIMUM. FOR STEEPER SLOPES (≤2:1), 15 FEET IS THE MAXIMUM DISTANCE ON THE SLOPE.
5. CHECK DAMS MAY BE K-RAIL, STRAW BALES, GRAVEL BAGS, OR A COMBINATION OF THESE MATERIALS.
6. THE SPACING FOR CHECK DAMS ARE AS FOLLOWS:
   - GRAVEL BAGS 3 FT IN HEIGHT, 40-FT MAXIMUM SPACING
   - GRAVEL BAGS 2 FT IN HEIGHT, 28-FT MAXIMUM SPACING
   - STRAW BALES, 25-FT MAXIMUM SPACING
   - K-RAILS, 38-FT MAXIMUM SPACING
7. CHECK DAMS, FIBER ROLLS, AND SILT FENCING SHALL BE INSTALLED PER THE CASQA CONSTRUCTION BMP HANDBOOK. A COPY OF THIS INFORMATION IS INCLUDED IN THE PROJECT'S CONSTRUCTION SWPPP. ADDITIONAL COPIES WILL BE PROVIDED ON REQUEST.
8. AT THE TOE OF DOWNDRAINS SHALL HAVE A TEMPORARY SPLASH WALL INSTALLED USING K-RAIL OR OTHER APPROVED MATERIAL. K-RAIL SHALL BE ANCHORED USING REBAR TO WITHSTAND HIGH VELOCITY FLOWS DURING STORM EVENTS.
9. ONCE STOCKPILING BEGIN FOR PHASE 4, THE PROPOSED CHECK DAMS WILL BE REMOVED AND SILT FENCE WILL BE ADDED AROUND THE STOCKPILE FILL'S TOE OF SLOPE. AS THE STOCKPILE INCREASES IN HEIGHT, STRAW WATTLES WILL BE PLACED PERPENDICULAR TOT HE SLOPE AT A SPACING OF 15 FT MAXIMUM. EARTHGUARD MAY BE USED IN LIEU OF STRAW WATTLES ON THE SIDE SLOPES OF THE FILL.

ISSUED FOR REVIEW

REFERENCE AERIAL IMAGE BASED ON AUGUST 23, 2023 AERIAL SURVEY BY FIRMATEK

REV. NO.	DATE	DESCRIPTION	APPROVED BY

DATE OF ISSUE: AUGUST 2023
DESIGNED BY: --
CAD DESIGN BY: L PADILLA
CHECKED BY: M FOUAD
APPROVED BY: M FOUAD

DIGALERT 811

Geo-Logic ASSOCIATES
2777 EAST GUASTI ROAD
SUITE 1
ONTARIO, CA 91761
(909) 626-2282
www.geo-logic.com

REPUBLIC SERVICES

SUNSHINE CANYON LANDFILL
14747 SAN FERNANDO ROAD
SYLMAR, CA 91342

SUNSHINE CANYON LANDFILL
ULTIMATE ENTRANCE IMPROVEMENT PROJECT

INTERIM EROSION CONTROL PLAN
PHASES 1-3

DWG NO.
FIG-1

PROJECT NO.
S023.1102