PART 5 – CONSTRUCTION PLANS

WHITE GOODS CENTER RELOCATION
YOLO COUNTY CENTRAL LANDFILL
CONSTRUCTION DRAWINGS

44090 CO RD 28H, WOODLAND, CALIFORNIA

9 DECEMBER 2021

REGIONAL MAP

VICINITY MAP

SITE LOCATION MAP

INDEX OF DRAWINGS

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP

REGISTERED PROFESSIONAL ENGINEER — Signed 9 Dec 2021 — No. C051686 — Exp. 30 Jun 2023 — CIVIL — STATE OF CALIFORNIA

DESIGN BY:	AB
DRAWN BY:	AB
CHECKED BY:	FS
REVIEWED BY:	FS
APPROVED BY:	FS

TITLE: TITLE SHEET

PROJECT: YOLO COUNTY LANDFILL WHITE GOODS AREA SURFACE IMPROVEMENTS

SITE: 27075 COUNTY ROAD 19A, ESPARTO, 95627
YOLO COUNTY, CALIFORNIA

EDUCATION · AGRICULTURE · INDUSTRY — County of Yolo — Founded 1850

Geosyntec consultants
1111 BROADWAY, 6TH FLOOR
OAKLAND, CALIFORNIA, 94607 USA

DATE:	9 DECEMBER 2021
PROJECT NO.:	WG3009
FILE:	WG3009
DRAWING NO.:	1 OF 7

P:\GADD\CIVIL 3D\YOLO COUNTY\WG3009 YCCL WHITE GOODS AREA\SHEETS\WG3009

SUMMARY OF WORK

THIS SUMMARY OF WORK PROVIDES A GENERAL OVERVIEW OF THE CONSTRUCTION AND ENVISIONED SEQUENCE OF TASKS. IT IS NOT INTENDED TO BE A COMPREHENSIVE DESCRIPTION OF ALL ASPECTS OF THE WORK. IT IS RECOGNIZED THAT SOME OF THE TASKS MAY BE PERFORMED IN A DIFFERENT SEQUENCE THAN PRESENTED BELOW AND THAT ACTIVITIES MAY BE PERFORMED CONCURRENTLY.

1. PERFORM EXISTING UTILITY SURVEY INCLUDING PROTECTION OF NEWLY-CONSTRUCTED WATER SUPPLY LINE.
2. DEMOLISH AND DECOMMISSION ALL ABOVE-GROUND AND BURIED STRUCTURES/UTILITIES IN THE AREA OF WORK THAT ARE NOT MARKED AS TO PROTECT. EXISTING SIGNAGE SHALL BE PROTECTED OR REMOVED AS DIRECTED BY THE DEPARTMENT.
3. INSTALL TEMPORARY EROSION CONTROL MEASURES.
4. PROTECT EXISTING GROUNDWATER MONITORING WELLS.
5. IMPLEMENT TEMPORARY TRAFFIC CONTROL MEASURES AS DIRECTED BY THE DEPARTMENT.
6. CONSTRUCTION SURVEYING AND AS-BUILT/RECORD DRAWING(S) DOCUMENTATION AFTER COMPLETION AT VARIOUS STAGES OF CONSTRUCTION.
7. EXCAVATE EXISTING FILL OR NATIVE SUBGRADE TO DEPTHS AND ELEVATIONS SHOWN TO ALLOW CONSTRUCTION OF NEW REINFORCED CONCRETE PAD AND ASPHALT PAVEMENT AREAS.
8. CONSTRUCT NEW PRECAST CONCRETE STORMWATER DROP INLET AND NEW STORMWATER DRAINAGE PIPE.
9. CONSTRUCT NEW REINFORCED CONCRETE SLAB.
10. CONSTRUCT NEW ASPHALT CONCRETE PAVEMENT.
11. WHERE APPROPRIATE, RE-INSTALL SIGNAGE AND PAVEMENT STRIPPING AT LOCATIONS SELECTED BY THE DEPARTMENT.
12. REMOVE TEMPORARY EROSION CONTROL WITH PREVIOUS WRITTEN AGREEMENT FROM THE DEPARTMENT.
13. REMOVE TEMPORARY FENCING AND OTHER PROTECTION.

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE COUNTY OF YOLO IMPROVEMENT STANDARDS AND CALTRANS STANDARD SPECIFICATIONS, MOST CURRENT EDITION.
2. SHOWN WORK TO BE RESTRICTED TO LIMITS OF DEPARTMENT'S PROPERTY, TEMPORARY CONSTRUCTION EASEMENTS, PERMANENT EASEMENTS, AND RIGHTS-OF-WAYS.
3. PORTIONS OF PROJECT ARE PART OF OR ADJACENT TO AN ACTIVE WASTE DISPOSAL AND RECYCLING FACILITY. TRUCK STAGING/QUEUING MAY BE REQUIRED. CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLAN TO THE DEPARTMENT BEFORE MOBILIZATION FOR APPROVAL BY THE DEPARTMENT.
4. ACCESS MUST BE MAINTAINED TO EXISTING FACILITIES/STRUCTURES AT ALL TIMES.
5. CONTRACTOR OFFICE, CONSTRUCTION STAGING AND STOCKPILE LOCATIONS TO BE APPROVED BY THE DEPARTMENT PRIOR TO MOBILIZATION.
6. KEEP WORK AREAS CLEAR FOR TRAFFIC IN/OUT OF AREA.
7. PARKING WITHIN THE AREA AND CONTROLLED ACCESS TO BE COORDINATED WITH THE DEPARTMENT.
8. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE STATE OF CALIFORNIA BEST MANAGEMENT PRACTICES HANDBOOK FOR APPLICABLE EROSION CONTROL MEASURES AND EMPLOY ITS PROVISIONS THROUGHOUT ALL CONSTRUCTION.
9. CONTRACTOR SHALL PREPARE AND IMPLEMENT A CONSTRUCTION STORM-WATER POLLUTION PREVENTION PLAN (C-SWPPP) INCLUDING TEMPORARY EROSION AND SEDIMENT CONTROL PLAN (ESCP) IN ACCORDANCE WITH THE CALIFORNIA CONSTRUCTION GENERAL PERMIT. THE C-SWPPP SHALL BE PREPARED BY A QUALIFIED C-SWPPP DEVELOPER (QSD). WORKING WITH THE CONTRACTOR'S QSP OR QSD, THE DEPARTMENT WILL FILE THE NOTICE OF INTENT (NOI), PAY THE APPLICABLE FEES, AND UPLOAD THE C-SWPPP TO THE SWRCB'S SMARTS.
10. ALL CONSTRUCTION MATERIALS, EQUIPMENT, STORAGE, STOCKPILING AND STAGING MUST BE DONE ON-SITE AND THE PUBLIC RIGHT-OF-WAY/STREET MUST BE KEPT CLEAR AND FREE OF DEBRIS.
11. AREAS OF PROJECT ARE WITHIN OR ADJACENT TO AN EXISTING LANDFILL. CONTRACTOR AND PERSONNEL WORKING ON THE PROJECT SHALL FOLLOW ALL APPROPRIATE FEDERAL AND STATE HEALTH AND SAFETY PROCEDURES (FOR EXAMPLE: NO SMOKING, MONITORING METHANE LEVELS WHEN WORKING ONSITE, ETC.).
12. COMPLY WITH ALL FEDERAL, STATE, AND COUNTY LAWS AND ORDINANCES RELATING TO SAFETY AND CHARACTER OF WORK, EQUIPMENT, AND LABOR PERSONNEL. THIS SHALL INCLUDE BUT IS NOT LIMITED TO, SHORING OF TRENCHES, VENTILATION OF CONFINED SPACES, CONFORMANCE TO TRAFFIC CONTROL REQUIREMENTS, INCLUDING PROVISIONS AND MAINTENANCE OF BARRICADES AND PREPARATION AND IMPLEMENTATION OF TRAFFIC CONTROL PLANS AS REQUIRED.
13. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) NORTH 811 AT LEAST 48 HOURS PRIOR TO STARTING WORK.
14. ALL UNDERGROUND SERVICE ALERT (USA) MARKINGS ON CONCRETE AND ASPHALTIC PAVEMENT OR OTHER STRUCTURES SHALL BE REMOVED WHEN THEY ARE NO LONGER REQUIRED.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND/OR UNCOVER AND EXPOSE EXISTING UTILITIES AT WORK LOCATIONS. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES FROM DAMAGE DUE TO CONTRACTOR'S OPERATIONS. ANY AND ALL UTILITIES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE DEPARTMENT.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE APPROPRIATE AGENCIES.
17. SELECT CONSTRUCTION EQUIPMENT TO MINIMIZE DAMAGE TO EXISTING PAVEMENT AND ROADWAYS AT PROJECT SITE AND AT ALL ROADS USED TO MOVE MATERIAL AND EQUIPMENT TO AND FROM PROJECT. CONTRACTOR SHALL REPLACE DAMAGED AREAS AT THEIR OWN COST.
18. CURRENT CONDITIONS SHOWN ON DRAWINGS REPRESENT INFORMATION FOR THE EXISTING FEATURES AT THE PROJECT SITE AND MAY NOT ACCURATELY REPRESENT THE ACTUAL SITE FEATURES. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF ANY MAJOR DIFFERENCES BETWEEN THE INFORMATION PROVIDED IN THE CONTRACT DRAWINGS AND ACTUAL SITE CONDITIONS BEFORE BEGINNING ANY WORK CONSIDERED TO BE OUTSIDE THE PROJECT SCOPE.
19. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE EXISTING FACILITIES. HOWEVER, DEPARTMENT AND ENGINEER CAN ASSUME NO RESPONSIBILITY FOR COMPLETENESS OR ACCURACY OF DELINEATION OF SUCH FACILITIES, NOR FOR EXISTENCE OF OTHER BURIED OBJECTS OR FACILITIES WHICH ARE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT LOCATION OF THOSE FACILITIES SHOWN AND ANY WHICH MAY EXIST AND ARE NOT SHOWN PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL EXPOSE ALL UNDERGROUND FACILITIES THAT ARE TO BE CONNECTED TO OR THAT ARE IN THE PATH OF PROPOSED IMPROVEMENTS FOR VERIFICATION OF LOCATION AND ELEVATION. CONTRACTOR SHALL DETERMINE LOCATION OF CONFLICTS, IF ANY, PRIOR TO COMMENCING CONSTRUCTION OF THAT PORTION OF WORK THAT WOULD BE AFFECTED BY A CONFLICT WITH EXISTING FACILITIES. MINOR CHANGES (<5 FT HORIZONTAL, <1 FT VERTICAL), IN ACTUAL LOCATION, DEPTH, AND CONFIGURATION OF EXISTING PIPING SYSTEMS DOES NOT CONSTITUTE A CHANGED SITE CONDITION AND THEREFORE NO EXTRA PAYMENT WILL BE ALLOWED.
20. WHEN EXCAVATION IS REQUIRED AROUND EXISTING IMPROVEMENTS, THOSE IMPROVEMENTS SHALL BE SUPPORTED AS NEEDED BY THE CONTRACTOR AT THEIR EXPENSE USING SUITABLE SUPPORTS.
21. COORDINATE ALL WORK WITH EXISTING SITE ELECTRICAL WORK. DO NOT START WORK UNTIL ELECTRICAL CONDUITS AND DUCT BANKS ARE LOCATED.
22. ALL PAVING, LANDSCAPING, PIPING AND OTHER EXISTING FACILITIES NOT DESIGNATED FOR REMOVAL/DEMOLITION DURING CONSTRUCTION OF NEW FACILITIES TO BE PROTECTED IN PLACE OR REPLACED IN KIND.
23. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING MATERIAL.
24. CONTRACTOR SHALL ARRANGE FOR ALL REQUIRED INSPECTION. PRESENCE OR ABSENCE OF AN INSPECTOR WILL NOT RELIEVE CONTRACTOR OF FULL RESPONSIBILITY FOR PROPER PERFORMANCE OF WORK.
25. CONTRACTOR SHALL KEEP UP TO DATE A COMPLETE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT LOCATION, SIZES, MATERIALS AND EQUIPMENT. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE DEPARTMENT PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE DEPARTMENT.
26. ALL INFORMATION AND SUBMITTALS BY THE CONTRACTOR SHALL BE PROVIDED TO THE DEPARTMENT IN HARD COPY AND ELECTRONIC (FOR EXAMPLE, .PDF, .DXF, AND .DWG) FORMAT.
27. REFERENCES TO CALTRANS REFER TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) 2018 STANDARD SPECIFICATIONS AND 2018 STANDARD PLANS WHICH ARE INCORPORATED BY REFERENCE UNLESS SPECIFIED OTHERWISE.
28. COMPACTION TESTING OF SOILS (FOR EXAMPLE, AGGREGATE BASE, STRUCTURAL FILL, ETC.) SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D1557.
29. SURVEYING:

    28.1 SHALL BE CONDUCTED UNDER THE DIRECT SUPERVISION OF THE CONTRACTOR'S LICENSED LAND SURVEYOR.

    28.2 THE LICENSED SURVEYOR IS REQUIRED TO SIGN AND STAMP EACH AS-BUILT DRAWING AND PROVIDE A LETTER OF CERTIFICATION CERTIFYING THAT THE WORK WAS PERFORMED WITHIN THE TOLERANCES LISTED IN THE SPECIFICATIONS.

    28.3 PRIOR TO CONSTRUCTION, THE CONTRACTOR'S SURVEYOR SHALL VERIFY WITH THE DEPARTMENT THE LOCATIONS OF SITE REFERENCE POINTS AND SURVEY CONTROL POINTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR'S SURVEYOR SHALL INSPECT EACH EXISTING SITE REFERENCE POINT AND ASSESS ITS CONDITION AND RELIABILITY AND PROMPTLY NOTIFY THE DEPARTMENT IF THE POINTS ARE DAMAGED, MISS-MARKED, OR OTHERWISE UNUSABLE UPON INSPECTION.

    28.4 PERFORM SURVEYS FOR LAYOUT AND PERFORMANCE OF THE SCOPE OF WORK, REDUCE THE FIELD NOTES, MAKE NECESSARY CALCULATIONS, AND PREPARE DRAWINGS NECESSARY TO CARRY OUT SUCH WORK.

    28.5 SURVEYOR SHALL SUBMIT CERTIFIED BASE GRADES OF EXCAVATION AND FILL WITHIN 3 DAYS OF CONTRACTOR CONSTRUCTING FINAL GRADING.

    28.6 SURVEYOR SHALL SUBMIT ELECTRONIC (.PDF, .XLS, .TXT/ASCII, AND .DXF/.DWG) FILES.

    28.7 SURVEYOR SHALL PROVIDE THE FOLLOWING INFORMATION:

    - ALIGNMENTS, LENGTH, DIMENSIONS, AND GRADES OF CONSTRUCTED STORMWATER FEATURES.
    - SUFFICIENT DETAIL AND NUMBER OF POINTS FOR EACH CONSTRUCTED FEATURE (FOR EXAMPLE, LIMITS AND FINISH GRADES OF REINFORCED CONCRETE, ASPHALT CONCRETE, DROP INLET, ETC.)
    - ALIGNMENT AND ELEVATIONS ALONG DRAINAGE PIPE WITH CLEAR DESCRIPTION (FOR EXAMPLE, TOP OF PIPE, BOTTOM OF PIPE, ETC.).
    - LIMITS AND FINISH GRADE OF REINFORCED CONCRETE.
    - LIMITS AND FINISH GRADE OF ASPHALT CONCRETE.
    - OWNER-PROVIDED REFERENCE POINTS.

    28.8 SURVEYING ACCURACY:

TABLE OF MARK	HORIZONTAL POSITION	ELEVATION
PERMANENT REFERENCE POINTS	1 IN 10,000	±0.01 FT
GENERAL EXCAVATION, EARTHWORK AND CLSM	1 IN 2,000	+0.05 FT FOR FILLS -0.10 FT FOR CUTS
ASPHALT CONCRETE	1 IN 2,000	+0.02 FT
REINFORCED CONCRETE	1 IN 2,000	+0.02 FT

29. THE GRADES SHOWN ON THE DRAWINGS ARE INTENDED TO SHOW SLOPES THAT NEED TO BE MET TO DRAIN. PRIOR TO SETTING FORMS, POURING CONCRETE, CONSTRUCTING PAVEMENT, ETC. THE CONTRACTOR SHALL CONFIRM THAT GRADES WILL RESULT IN SLOPES AND DRAINAGE PATTERNS THAT MEET THE INTENT OF THE DRAWINGS. IF DISCREPANCIES EXIST, THE CONTRACTOR SHALL ADJUST THE GRADES TO CONFORM TO THE FLOW DIRECTIONS SHOWN ON THE DRAWINGS AND SHALL INFORM THE DEPARTMENT OF SUCH CHANGES.

CONSTRUCTION NOTES:

1. CONTRACTOR IS MADE AWARE THAT CONSTRUCTION WILL TAKE PLACE IN A LANDFILL WHERE LANDFILL GAS AND OTHER CHEMICALS AND/OR LIQUID MAY BE PRESENT. CONTRACTOR SHALL FOLLOW ALL STATE AND FEDERAL HEALTH AND SAFETY MONITORING AND PROTECTION REQUIREMENTS TO PROTECT ALL WORKERS, VISITORS, PEDESTRIANS, AND THE PUBLIC FROM EXCAVATIONS, CONSTRUCTION EQUIPMENT, TRAFFIC, CONSTRUCTION OPERATIONS, AND OTHER DANGEROUS ITEMS (FOR EXAMPLE, LANDFILL GAS). A HEALTH AND SAFETY PLAN IS REQUIRED AS PART OF THE WORK.
2. A MINIMUM THREE DAYS BEFORE START OF CONSTRUCTION, CONTRACTOR SHALL MARK/IDENTIFY THE LOCATION OF EXISTING UTILITIES AND/OR FACILITIES WHICH MAY BE OVERHEAD, ABOVE-GROUND, OR BURIED. ITEMS THAT NEED TO BE PROTECTED/ DECOMMISSIONED/ RELOCATED SHALL BE CONFIRMED BY THE DEPARTMENT. COORDINATION WITH UTILITIES AND/OR PRIVATE UTILITY LOCATION SERVICE MAY BE REQUIRED.
3. PRIOR TO CONSTRUCTION, CONTRACTOR TO VERIFY EXISTING INVERTS AND DIMENSIONS IN THE PROJECT AREA WITH RESPECT TO PROPOSED IMPROVEMENTS AND NOTIFY THE DEPARTMENT OF ANY DISCREPANCY WITH INFORMATION SHOWN ON THE DRAWINGS BEFORE START OF CONSTRUCTION OF PROPOSED IMPROVEMENTS SO, IF NEEDED, LAYOUT OF PROPOSED IMPROVEMENTS CAN BE MODIFIED BEFORE CONSTRUCTION.
4. AS PART OF DEMOLITION, CONTRACTOR SHALL REMOVE ALL EXISTING BURIED AND ABOVE GROUND UTILITIES THAT HAVE NOT BEEN MARKED AS TO REMAIN/TO PROTECT AND ALL OBSTRUCTIONS PRESENT AT THE LOCATIONS OF THE IMPROVEMENTS.

   SIGNAGE SHALL BE REMOVED AND SALVAGED AS DIRECTED BY THE DEPARTMENT.

   OBSTRUCTIONS AND REMOVED UTILITIES OR SIGNAGE SHALL BE BACKFILLED WITH STRUCTURAL FILL.
5. CONTRACTOR TO CONTROL SURFACE WATER AND GROUNDWATER AS NEEDED TO COMPLETE WORK.
6. EXCAVATE TO GRADES SHOWN IN THE DRAWINGS. MATERIALS EXCAVATED TO MEET SUBGRADE, SURPLUS MATERIALS, AND UNSUITABLE MATERIALS SHALL BE DISPOSED AT THE ACTIVE FACE OF THE LANDFILL OR AT THE LOCATION SELECTED BY THE DEPARTMENT PRIOR TO START OF WORK.
7. ALTHOUGH NOT EXPECTED, IF MUNICIPAL SOLID WASTE IS ENCOUNTERED DURING EXCAVATION, NOTIFY DEPARTMENT IMMEDIATELY. AS DIRECTED BY DEPARTMENT, EXCAVATE, LOAD, HAUL AND PLACE MUNICIPAL SOLID WASTE IN DEPARTMENT-PROVIDED ROLL-OFF BINS. COORDINATE WASTE EXCAVATION AND DISPOSAL WITH DEPARTMENT. VOLUMES OF ALL WASTE TRANSPORTED AND DISPOSED SHALL BE CLOSELY TRACKED AND REPORTED DAILY TO THE DEPARTMENT.
8. IF WASTE IS EXPOSED AS PART OF THE WORK, COVER WITH 6 INCHES OF SOIL OVER THE WEEKEND, WHEN THE CONTRACTOR DOES NOT PLAN TO WORK IN THE AREA, AND/OR WHEN RAIN IS FORECAST.
9. CONTRACTOR SHALL FOLLOW DIRECTIONS FROM THE DEPARTMENT ON REQUIREMENTS FOR PERMANENT PLACEMENT OF PERMANENT MATERIALS ABOVE EXPOSED WASTE (FOR EXAMPLE, THICKNESS, MATERIAL CHARACTERISTICS, COMPACTION) AND SHALL MEET REGULATORY REQUIREMENTS. PERMANENT THICKNESS OF MATERIAL ABOVE WASTE SHALL INCLUDE GRADING CONSIDERATIONS SO THAT AFTER PROJECT COMPLETION, AREA GRADES TO DRAIN AND NO HIGH OR LOW AREAS WHERE PONDING MAY RESULT ARE NOT PRESENT. SOIL PLACED ABOVE EXPOSED MUNICIPAL SOLID WASTE SHALL MEET THE REQUIREMENTS FOR STRUCTURAL FILL.
10. IMPROVEMENTS SHALL BE CONSTRUCTED OVER COMPETENT SUBGRADE. COMPETENT SUBGRADE IS DEFINED AS FIRM, NON-YIELDING. TO VERIFY COMPETENT SUBGRADE, THE DEPARTMENT SHALL OBSERVE THE CONTRACTOR DRIVE A LOADED WATER TRUCK OVER THE AREA.
11. CONTRACTOR TO EXCAVATE, SALVAGE, AND STOCKPILE ALL SUITABLE EXCAVATED SOIL FOR USE AT THE PROJECT. SOIL MANAGEMENT INCLUDING STOCKPILES SHALL MEET THE C-SWPPP PREPARED BY THE CONTRACTOR.
12. STRUCTURAL FILL SHALL CONSIST OF MINERAL SOIL FREE FROM ORGANIC MATERIALS, LOAM, WOOD, TRASH, AND OTHER OBJECTIONABLE MATERIALS, WHICH MAY BE COMPRESSIBLE OR WHICH CANNOT BE PROPERLY COMPACTED. IT SHALL ALSO HAVE PHYSICAL PROPERTIES THAT ALLOW IT TO BE READILY SPREAD AND COMPACTED DURING FILLING.
13. STRUCTURAL FILL SHALL NOT CONTAIN STONES LARGER THAN 3 INCHES IN LARGEST DIMENSION.
14. STRUCTURAL FILL SHALL NOT CONTAIN BLOCKS, BROKEN CONCRETE, MASONRY RUBBLE OR OTHER SIMILAR MATERIALS.
15. STRUCTURAL FILL, AGGREGATE BASE, OR ANY MATERIAL OR IMPROVEMENT SHALL NOT BE PLACED OVER UNSUITABLE OR UNSTABLE FOUNDATION (WET OR SPONGY). SOFT MATERIAL SHALL BE REMOVED AND REPLACED BY STRUCTURAL FILL.

    PLACE AND COMPACT FILL TO THE LINES, GRADES, CROSS SECTIONAL REQUIREMENTS, AND DIMENSIONS SHOWN IN THE DRAWINGS.

    BEFORE PLACING STRUCTURAL FILL OR AGGREGATE BASE OVER NATIVE SUBGRADE, SCARIFY NATIVE SUBGRADE TO A DEPTH OF 8 INCHES, MOISTURE CONDITION, AND COMPACT TO AT LEAST 95 PERCENT RELATIVE COMPACTION AND OPTIMUM MOISTURE CONTENT BETWEEN PLUS 2 PERCENT AND PLUS 5 PERCENT.

    DO NOT PLACE STRUCTURAL FILL OR AGGREGATE BASE UNDER WATER.

    IF SUBGRADE HAS FREE WATER, BEFORE PLACEMENT OF STRUCTURAL FILL OR AGGREGATE BASE, WATER SHALL BE PUMPED AND DISPOSED IN ACCORDANCE WITH THE CALIFORNIA REGULATIONS.

    A GEOTEXTILE MAY BE USED TO STABILIZE THE NATIVE SUBGRADE BEFORE PLACEMENT OF STRUCTURAL FILL OR AGGREGATE BASE.

    PLACE STRUCTURAL FILL AND AGGREGATE BASE IN LOOSE LIFT THICKNESSES NOT EXCEEDING 8 INCHES.

    STRUCTURAL FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT RELATIVE COMPACTION AND OPTIMUM MOISTURE CONTENT BETWEEN PLUS 2 PERCENT AND PLUS 5 PERCENT.

    REPAIR ALL DESICCATED, RUTTED, GOUGED, ERODED, OR DAMAGED AREAS BEFORE PLACING SUBSEQUENT LIFTS.

    COMPACT ANY STRUCTURAL FILL INACCESSIBLE TO LARGE EQUIPMENT BY COMPACTING WITH SMALL MECHANICAL COMPACTORS.

    PLACE STRUCTURAL FILL IN COMPACTED LIFT WITH THICKNESS NOT EXCEEDING 6 INCHES. COMPACT TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY, AT A MOISTURE CONTENT BETWEEN PLUS 2 PERCENT AND PLUS 5 PERCENT.

    PLACE AND COMPACT STRUCTURAL FILL TO THE LINES, GRADES, CROSS SECTIONAL REQUIREMENTS, AND DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS.

    GRADE FINAL STRUCTURAL SURFACES TO REMOVE RUTS AND GOUGES.
17. AGGREGATE BASE SHALL MEET THE REQUIREMENTS IN SECTION 26 OF THE 2018 CALTRANS SPECIFICATIONS FOR 0.75-INCH MAXIMUM CLASS 2 AGGREGATE BASE.

    AGGREGATE BASE SHALL BE COMPACTED TO AT LEAST 95 PERCENT RELATIVE COMPACTION AND AT MOISTURE CONTENTS WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
18. ASPHALT CONCRETE PAVING SHALL BE CONSTRUCTED TO THE GRADES AND ELEVATIONS SHOWN ON THESE DRAWINGS.

    ASPHALT CONCRETE PAVING SHALL BE CONSTRUCTED AFTER OTHER CONSTRUCTION (FOR EXAMPLE, UTILITIES, PIPING, ETC.) HAVE BEEN CONSTRUCTED AND APPROVED BY THE DEPARTMENT.
19. PLASTIC PIPE SHALL BE ADS N-12 WITH WATERTIGHT JOINTS OR EQUAL APPROVED BY THE DEPARTMENT.

    CONNECTION OF PLASTIC PIPE TO 1'-6"X1'-6" GRATE INLET CATCH BASIN CONCRETE BOX UNIT SHALL BE WATERTIGHT.

    PLASTIC PIPE BEDDING AND BACKFILL SHALL BE CONTROLLED LOW STRENGTH MATERIAL (CLSM).

    CONTRACTOR SHALL DEMONSTRATE TO THE DEPARTMENT THAT THE PIPE INSTALLATION IS FREE OF OBSTRUCTIONS AND DEBRIS PRIOR TO CONNECTING PIPE SEGMENTS, CONNECTING TO THE DROP INLET AND TRENCH FILL.
20. CONSTRUCT STORMWATER TREATMENT INSERT FILTER AND DROP INLET AS SHOWN IN DRAWING 6.
21. NEWLY CONSTRUCTED STORMWATER IMPROVEMENTS SHALL BE PROTECTED BY THE CONTRACTOR FROM DAMAGE (INCLUDING CONSTRUCTION LOADS) UNTIL ACCEPTED BY THE DEPARTMENT.
22. PERIODIC MONITORING AND MAINTENANCE OF STORMWATER IMPROVEMENTS BEFORE AND AFTER STORMS SHALL BE PERFORMED BY THE DEPARTMENT AS PART OF OPERATIONS.
23. CONSTRUCTION QUALITY ASSURANCE TESTING OF SUBGRADES, AGGREGATE BASES, ASPHALT CONCRETE, AND CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 2-20 IN YOLO COUNTY IMPROVEMENT STANDARDS (AUGUST 5, 2008 INCLUDING THE LATEST ADDENDA).
24. CONTRACTOR SHALL OBTAIN CLSM SAMPLES DURING PLACEMENT IN ACCORDANCE WITH ASTM D5971. PERFORM SLUMP TESTS AT COMMENCEMENT OF CLSM PLACEMENT, AND AS A MINIMUM, EACH BATCH AND EVERY 10 CUBIC YARDS OF CLSM, WHICHEVER IS GREATER.
25. ADDITIONAL CLSM TESTING MAY BE REQUIRED AT THE DISCRETION OF THE DEPARTMENT TO VERIFY THAT CONSTRUCTION IS IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE COUNTY IMPROVEMENT STANDARDS. ANY IMPROVEMENT CONSTRUCTED WITHOUT INSPECTION AS PROVIDED ABOVE OR CONSTRUCTED CONTRARY TO THE ORDER OR INSTRUCTION OF THE DEPARTMENT WILL BE DEEMED AS NOT COMPLYING WITH THE PROJECT REQUIREMENTS, AND MAY BE REJECTED BY THE DEPARTMENT.
26. CONTRACTOR SHALL SUBMIT TO THE DEPARTMENT FOR REVIEW AND APPROVAL ALL SHOP DRAWINGS, SAMPLES, PRODUCT DATA, CATALOGUE CUTS, MANUFACTURER'S PUBLISHED RECOMMENDATIONS, CHARTS, ILLUSTRATIONS ETC. THAT ARE SPECIFICALLY PREPARED TO ILLUSTRATE INSTALLATION OF THE CONCRETE GRATE INLET, INSERT FILTER, PLASTIC PIPE AND ALL FITTINGS AND APPURTENANCES REQUIRED TO CONSTRUCT THE DETAILS SHOWN ON THE CONSTRUCTION DRAWINGS.

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP

REGISTERED PROFESSIONAL ENGINEER — Signed 9 DEC 2021 — No. C051666 — Exp. 30 JUN 2023 — CIVIL — STATE OF CALIFORNIA

DESIGN BY:	AB
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TITLE: GENERAL AND CONSTRUCTION NOTES

PROJECT: YOLO COUNTY LANDFILL WHITE GOODS AREA SURFACE IMPROVEMENTS

SITE: 27075 COUNTY ROAD 19A, ESPARTO, 95627
YOLO COUNTY, CALIFORNIA

EDUCATION • AGRICULTURE • INDUSTRY — County of Yolo — Founded 1850

Geosyntec consultants
1111 BROADWAY, 6TH FLOOR
OAKLAND, CALIFORNIA, 94607 USA

DATE:	9 DECEMBER 2021
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DRAWING NO.:	2 OF 7

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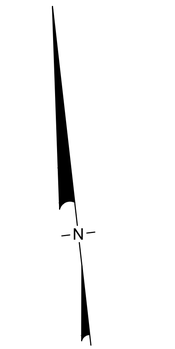

LEGEND

- 355 — EXISTING GROUND MAJOR CONTOUR (5')
- EXISTING GROUND MINOR CONTOUR (1')
- EXISTING EDGE OF ASPHALT
- EXISTING CHANNEL FLOWLINE
- EXISTING EDGE OF PAVEMENT
- EXISTING FLOW DIRECTION
- × 25.75 — SURVEYED GROUND ELEVATION
- LIMIT OF WORK

NOTES:

1) EXISTING GROUND TOPOGRAPHY AND SITE FEATURES PROVIDED BY R.E.Y. ENGINEERS, INC., SURVEY DATED 12 MAY 2021.

2) COORDINATES, BEARINGS AND DISTANCES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA STATE COORDINATE SYSTEM, ZONE 2, SURVEY FOOT UNITS. VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988, SURVEY FOOT UNITS, AS CALCULATED BY THE NATIONAL GEODETIC SURVEY'S (NGS) ONLINE POSITIONING USER SERVICE (OPUS).

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TITLE: CURRENT CONDITIONS

PROJECT: YOLO COUNTY LANDFILL WHITE GOODS AREA SURFACE IMPROVEMENTS

SITE: 27075 COUNTY ROAD 19A, ESPARTO, 95627
YOLO COUNTY, CALIFORNIA

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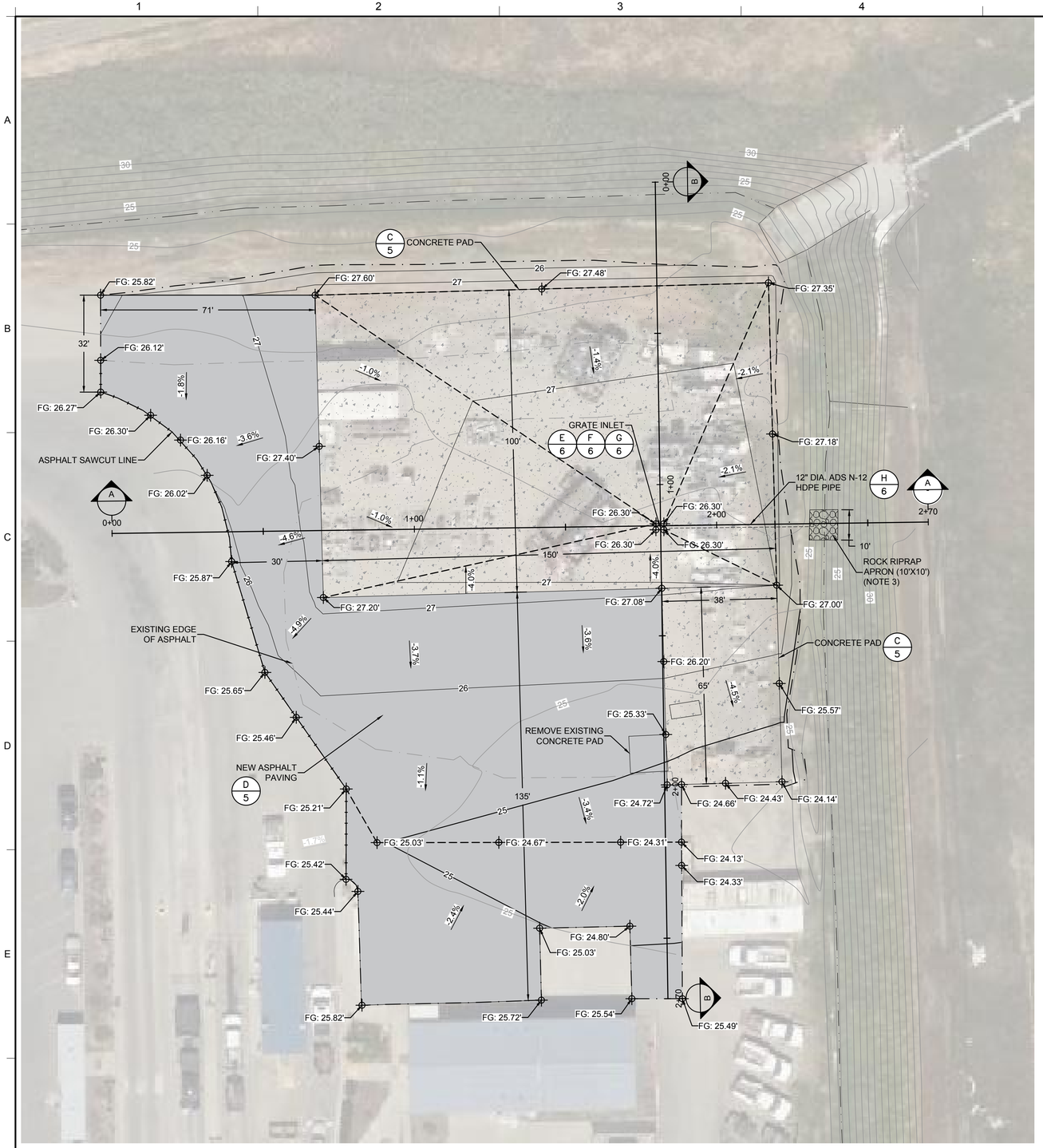
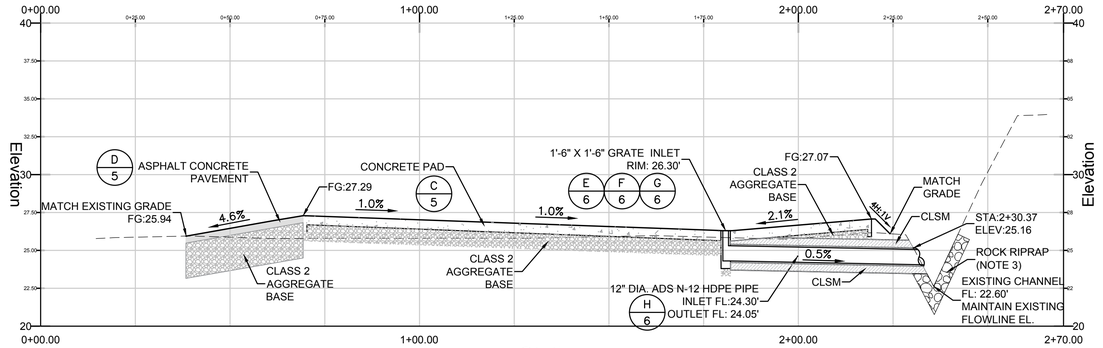
DRAWING NO.:	3 OF 7

P:\CAD\CIVIL 3D\YOLO COUNTY\WG3009 YCCL WHITE GOODS AREA\SHEETS\WG3009

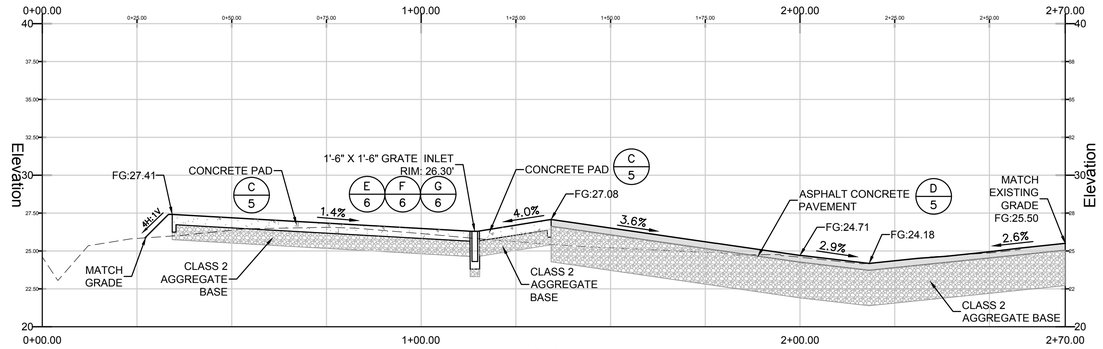




Station

A SECTION
– CROSS SECTION A–A

0 5 10
VERTICAL SCALE IN FEET
0 20 40
HORIZONTAL SCALE IN FEET



Station

B SECTION
– CROSS SECTION B–B

0 5 10
VERTICAL SCALE IN FEET
0 20 40
HORIZONTAL SCALE IN FEET

N

0 20 40
SCALE IN FEET

LEGEND

- 355 — EXISTING GROUND MAJOR CONTOUR (5')
- EXISTING GROUND MINOR CONTOUR (1')
- EXISTING EDGE OF ASPHALT
- EXISTING CHANNEL FLOWLINE
- 310 — PROPOSED GRADING MAJOR CONTOURS (5')
- 312 — PROPOSED GRADING MINOR CONTOURS (1')
- GRADE BREAK
- ASPHALT CONCRETE PAVEMENT
- REINFORCED CONCRETE PAD
- CLASS 2 AGGREGATE BASE
- ROCK RIPRAP (SEE NOTE 3)
- ASPHALT SAWCUT LINE
- EARTHWORK LIMITS

NOTES:

1) EXISTING GROUND TOPOGRAPHY AND SITE FEATURES PROVIDED BY R.E.Y. ENGINEERS, INC., SURVEY DATED 12 MAY 2021.
2) COORDINATES, BEARINGS AND DISTANCES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA STATE COORDINATE SYSTEM, ZONE 2, SURVEY FOOT UNITS. VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988, SURVEY FOOT UNITS, AS CALCULATED BY THE NATIONAL GEODETIC SURVEY'S (NGS) ONLINE POSITIONING USER SERVICE (OPUS).
3) ROCK RIPRAP SHALL BE ROCK GRADATION CLASS I PER CALTRANS SPECIFICATION SECTION 72-2.02B. RSP FABRIC SHALL BE CLASS 8 PER CALTRANS SPECIFICATION SECTION 72-2.02C. ROCK PLACEMENT METHOD SHALL BE METHOD B AS SPECIFIED IN SECTION 72-2.03C. ROCK BLANKET THICKNESS SHALL BE 12 INCHES. FOR EXACT APRON DIMENSIONS SEE DRAWING 7.

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP

REGISTERED PROFESSIONAL ENGINEER — Signed 9 Dec 2021 — No. C051886 — Exp. 30 Jun 2023 — STATE OF CALIFORNIA — CIVIL

DESIGN BY:	AB
DRAWN BY:	AB
CHECKED BY:	FS
REVIEWED BY:	FS
APPROVED BY:	FS

TITLE: IMPROVED CONDITIONS

PROJECT: YOLO COUNTY LANDFILL WHITE GOODS AREA SURFACE IMPROVEMENTS

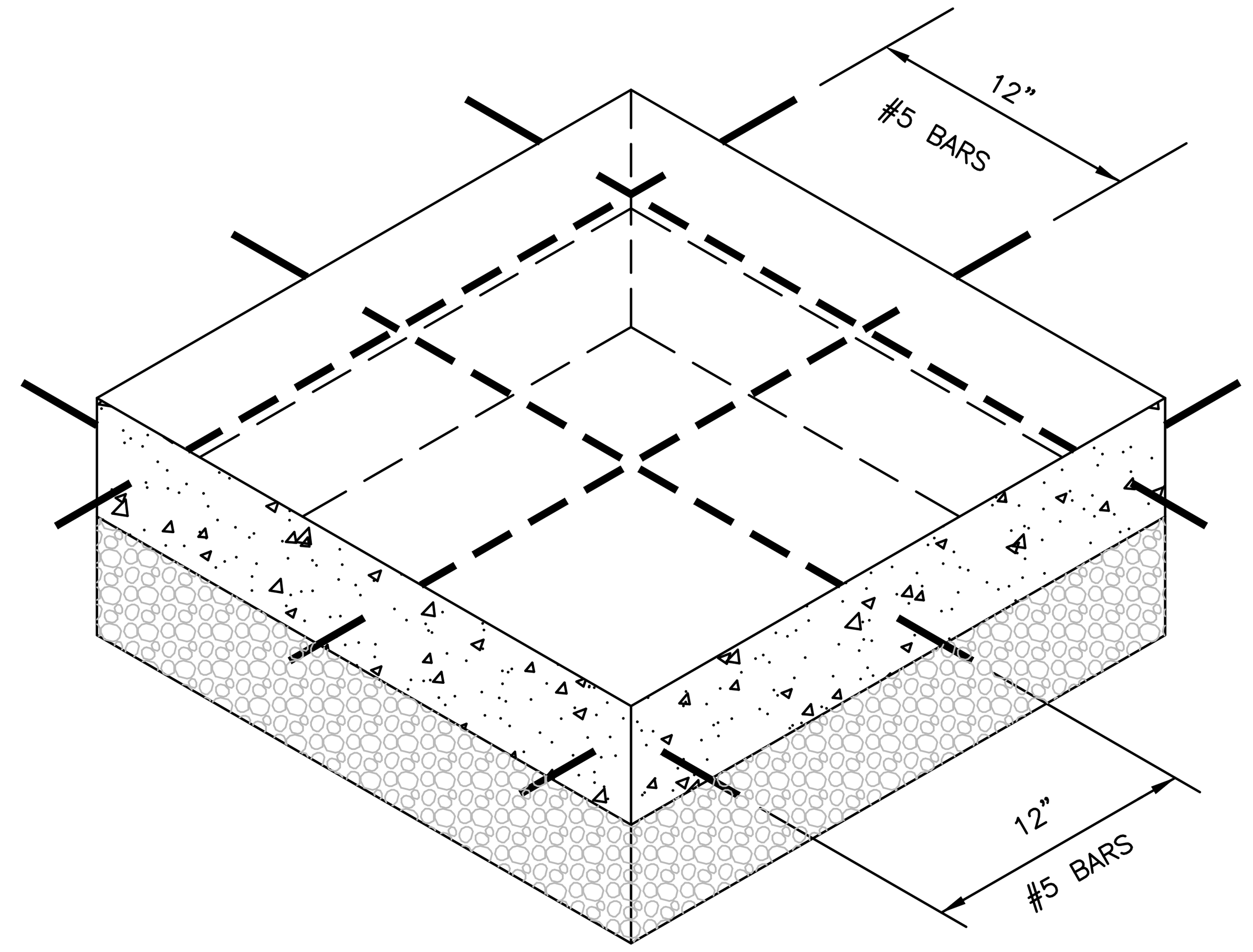
SITE: 27075 COUNTY ROAD 19A, ESPARTO, 95627
YOLO COUNTY, CALIFORNIA

County of Yolo — Education · Agriculture · Industry — Founded 1850

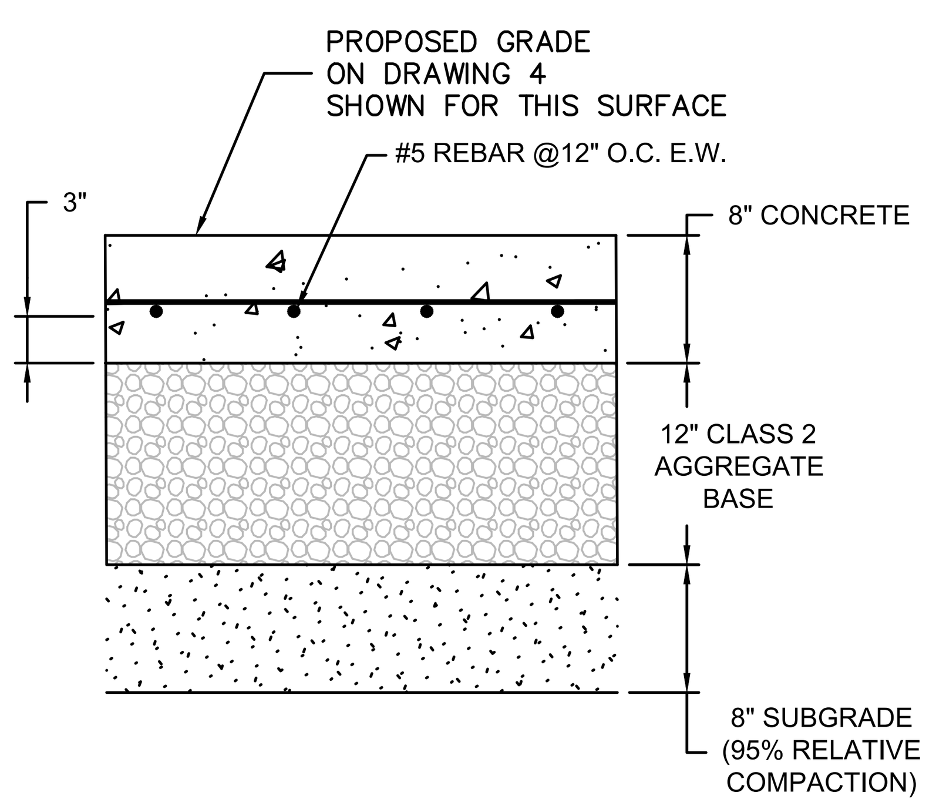
Geosyntec consultants
1111 BROADWAY, 6TH FLOOR
OAKLAND, CALIFORNIA, 94607 USA

DATE:	9 DECEMBER 2021
PROJECT NO.:	WG3009
FILE:	WG3009
DRAWING NO.:	4 OF 7

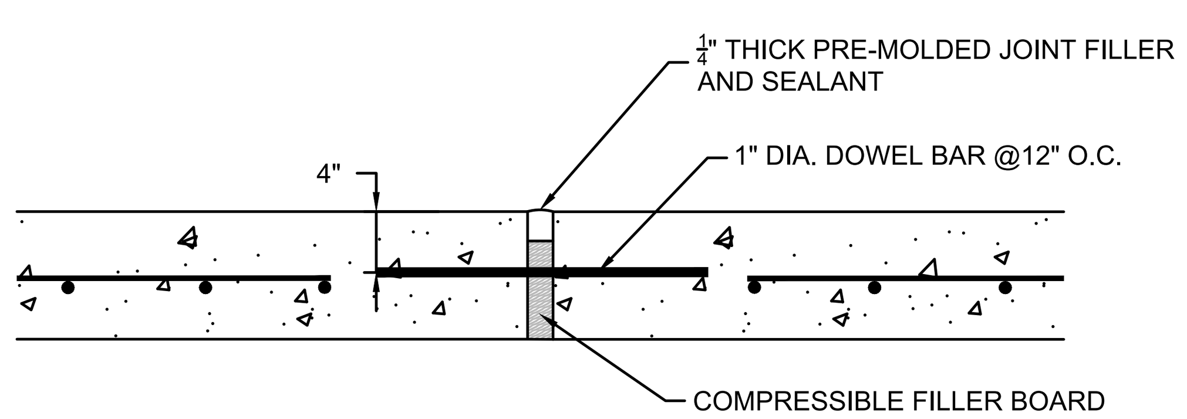
P:\CADD\CIVIL 3D\YOLO COUNTY\WG3009 YCCL WHITE GOODS AREA\SHEETS\WG3009



ISOMETRIC VIEW

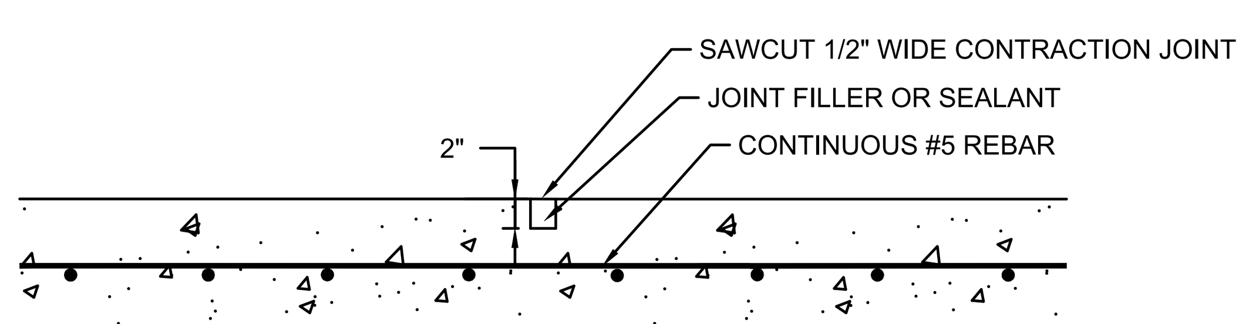


SECTION



NOTE: THE DOWEL SHALL BE PAINTED. THE CONTRACTOR SHALL COAT ONE HALF OF THE DOWEL BAR WITH BOND BREAKING COMPOUND OR USE SLEEVES.

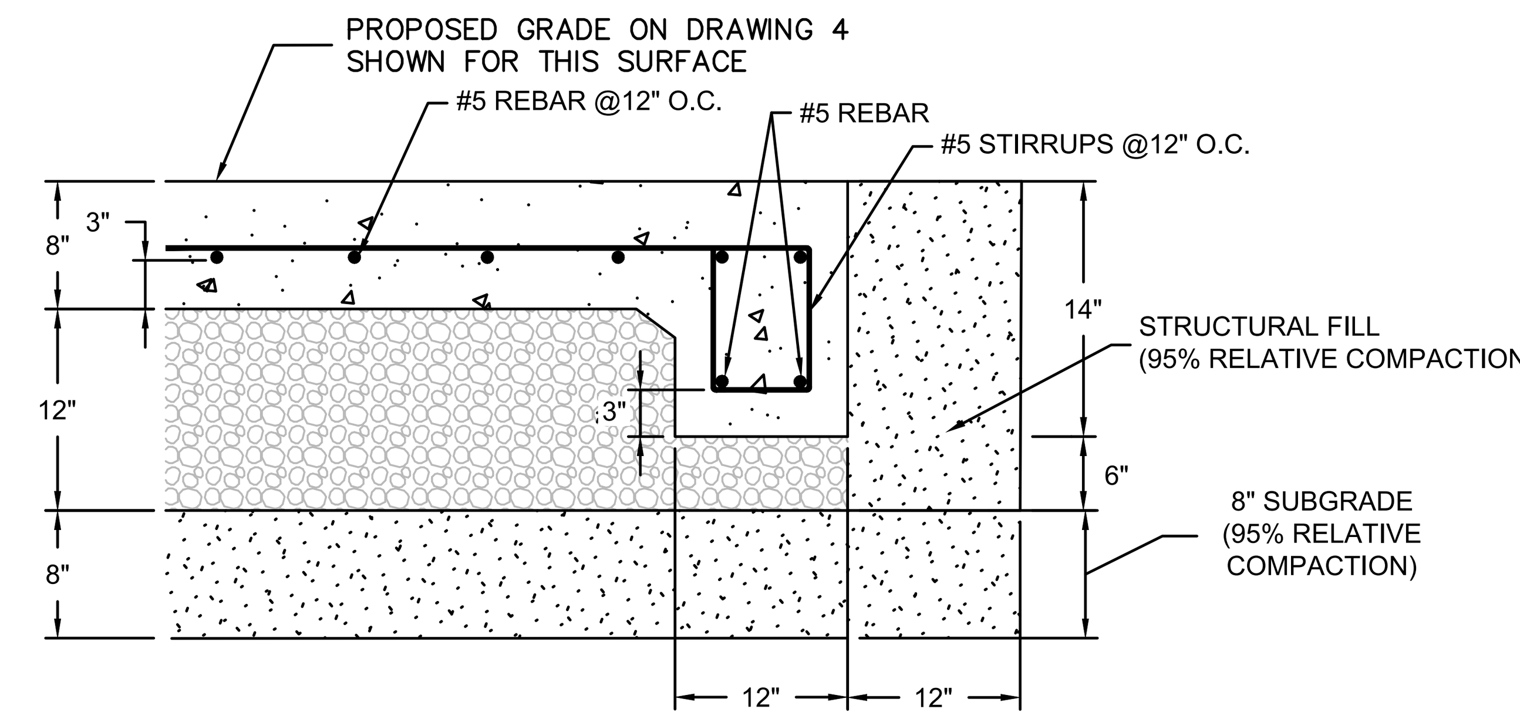
EXPANSION JOINT DETAIL



NOTE: THE CONTRACTION JOINTS CAN BE FORMED USING FORMERS DURING CONCRETE PLACEMENT. SAWN JOINTS SHALL BE CONSTRUCTED AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY THAT IT WILL NOT BE DAMAGED BY SAWING, BUT BEFORE THE SHRINKAGE CRACKS CAN OCCUR. JOINT SHALL BE FILLED WITH JOINT SEALANT.

CONTRACTION JOINT DETAIL

CONNECTION TO EXISTING CONCRETE SLAB

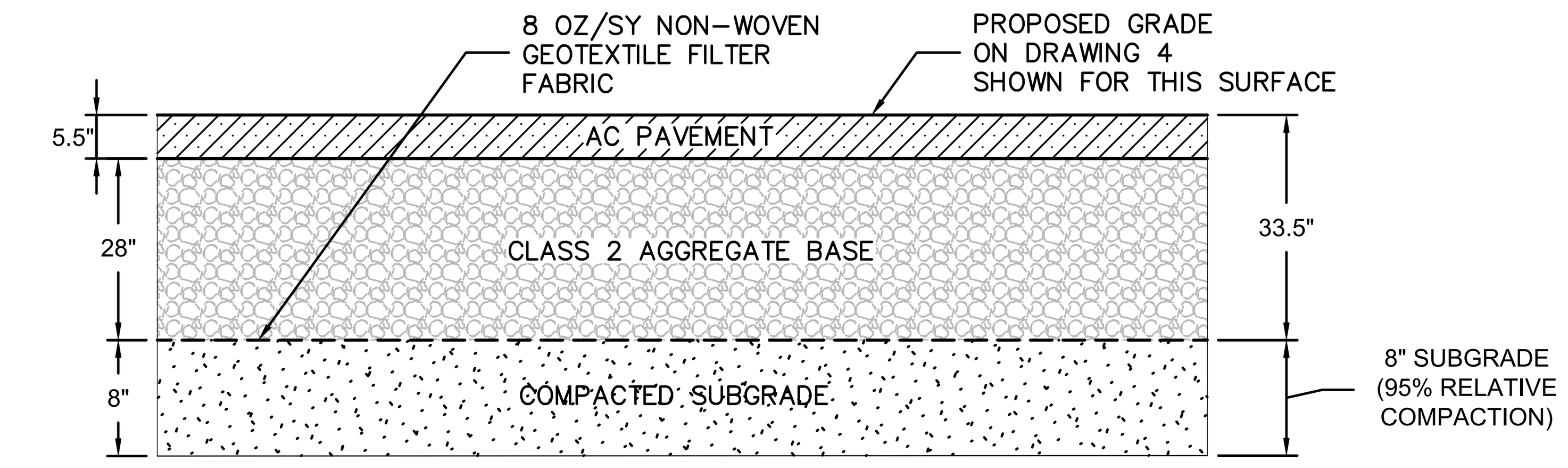


THICKENED EDGE AT PAD PERIMETER – DETAIL

CONCRETE PAD STRUCTURAL NOTES:

1) AGGREGATE BASE AND COMPACTED SUBGRADE:
   A. THE UNDERLYING SUBGRADE SHALL BE CLEANED OF ALL FOREIGN SUBSTANCES. AT THE TIME OF CONSTRUCTION, THE UNDERLYING SURFACE SHALL CONTAIN NO FROZEN MATERIAL. RUTS OR SOFT, YIELDING SPOTS IN THE UNDERLYING SUBGRADE; AREAS HAVING INADEQUATE COMPACTION; AND DEVIATIONS OF THE SURFACE FROM THE REQUIREMENTS SET FORTH HEREIN SHALL BE CORRECTED BY LOOSENING AND REMOVING SOFT OR UNSATISFACTORY MATERIAL AND BY ADDING APPROVED MATERIAL, RESHAPING TO LINE AND GRADE, AND RECOMPACTING TO SPECIFIED DENSITY REQUIREMENTS.
   B. PREPARED SUBGRADE SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY AT A MOISTURE CONTENT BETWEEN PLUS 2 PERCENT AND PLUS 5 PERCENT IN ACCORDANCE WITH ASTM D1557.
   C. AGGREGATE BASE SHALL BE PLACED ONLY WHEN THE TEMPERATURE IS ABOVE 35°F. AREAS OF COMPLETED COURSES THAT ARE DAMAGED BY FREEZING, RAINFALL, OR OTHER WEATHER CONDITIONS SHALL BE CORRECTED TO MEET THE SPECIFIED REQUIREMENTS.
   D. AT THE TIME AGGREGATE BASE IS SPREAD, ITS MOISTURE CONTENT SHALL BE SUFFICIENT TO OBTAIN THE REQUIRED COMPACTION. THE MOISTURE SHALL BE UNIFORMLY DISTRIBUTED THROUGHOUT THE MATERIALS.
   E. THE AGGREGATE BASE MATERIAL SHALL BE PLACED IN LIFTS OF MAXIMUM 8 INCH LOOSE LIFT THICKNESS.
   F. THE AGGREGATE BASE MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AT A MOISTURE CONTENT BETWEEN PLUS 2 PERCENT AND PLUS 5 PERCENT IN ACCORDANCE WITH ASTM D1557.
2) PORTLAND CEMENT CONCRETE SHALL HAVE 3/4" MAXIMUM SIZE AGGREGATE, BE MADE WITH TYPE II/V LOW ALKALI CEMENT AND OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
3) REINFORCING STEEL SHALL BE DEFORMED BARS OF NUMBER 5, GRADE 60. LAP SPLICES SHALL BE 30".
4) REINFORCED CONCRETE SHALL HAVE 100% VIRGIN MULTIFILAMENT POLYPROPYLENE FIBERS COMPLYING WITH ASTM C 1116/C 1116M ADDED AT A RATE OF 1 POUNDS PER CUBIC YARD OF CONCRETE. FIBERS SHALL BE 0.5 TO 1.5 INCHES LONG WITH AN ASPECT RATIO OF 50 TO 100.
5) REINFORCED CONCRETE SHALL BE FINISHED IN ACCORDANCE WITH SECTION 51-1.03F(6) OF THE CALTRANS 2018 SPECIFICATIONS - BROOM FINISH.
6) JOINT DOWEL BARS SHALL BE PLAIN STEEL BARS. CONTRACTOR SHALL CUT BARS TRUE TO LENGTH AND ENDS FREE OF BURRS.
7) JOINTS SHALL BE CONSTRUCTED TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
8) CONTRACTION JOINTS SHALL BE CONSTRUCTED AS SHOWN IN DETAIL AND SHALL BE SPACED NO NO FURTHER THAN 15' APART.
9) EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN IN DETAIL AND SHALL BE SPACED APPROXIMATELY 50' APART.
10) REINFORCED CONCRETE PAD SHALL BE POURED CONTINUOUSLY IN ONE LAYER OR IN HORIZONTAL LAYERS OF SUCH THICKNESS THAT NO NEW CONCRETE WILL BE PLACED ON CONCRETE THAT HAS CURED ENOUGH TO CAUSE SEAMS OR PLANES OF WEAKNESS. IF A SECTION CANNOT BE PLACED CONTINUOUSLY, PROVIDE EXPANSION JOINTS AS SHOWN IN DETAIL. DEPOSIT CONCRETE TO AVOID SEGREGATION.
11) CONTRACTOR SHALL PREPARE, CLEAN AND INSTALL JOINT FILLER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. REMOVE DIRT, DEBRIS, SAW CUTTINGS, AND TEMPORARY SEALERS FROM JOINTS; LEAVE CONTACT FACES OF JOINT CLEAN AND DRY. INSTALL SEMIRIGID JOINT FILLER FULL DEPTH IN CONTRACTION JOINTS AND AT LEAST 2 INCHES DEEP IN EXPANSION JOINTS.

C/4 DETAIL
REINFORCED CONCRETE PAD



ASPHALT PAD STRUCTURAL NOTES:

1) THE CLASS 2 AGGREGATE BASE AND THE TOP 8 INCHES OF SUBGRADE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
2) NONWOVEN GEOTEXTILE SHALL BE SUBGRADE ENHANCEMENT B3 PER CALTRANS SPECIFICATION 96-1.02O. ADJACENT ROLLS SHALL BE OVERLAPPED 24 INCHES MINIMUM.
3) THE ASPHALT CONCRETE STRUCTURAL SECTION IS BASED ON GEOCON CONSULTANTS, INC., SUMMARY OF GEOTECHNICAL SERVICES, YOLO COUNTY LANDFILL, WOODLAND, CA, PROJECT NO. S9404-06-05, DATED JANUARY 11, 2010. SEE TABLE A OPTION 2, FLEXIBLE PAVEMENT SECTIONS.
4) CONTRACTOR SHALL SUBMIT ALL REQUIRED SUBMITTALS/ NOTIFICATIONS TO DEPARTMENT AT LEAST 7 BUSINESS DAYS PRIOR TO THE WORK.
   A. TEST RESULTS FOR AGGREGATE GRADATION TESTS IN CONFORMANCE WITH ASTM C136/C117.
   B TEST RESULTS FOR CONTRACTOR PROPOSED JOB MIX FORMULA (JMF) FOR ASPHALT CONCRETE MIX DESIGN IN CONFORMANCE WITH CALIFORNIA TEST 367. RESULTS FOR THE JMF SHALL BE REPORTED ON CALTRANS FORMS CEM-3511, CEM-3512, CEM-3513, AND/OR CEM-3514 AS APPROPRIATE. CONTRACTOR SHALL SUBMIT INFORMATION TO THE DEPARTMENT THAT DEMONSTRATES THAT FOLLOWING THE MARSHALL MIX DESIGN PROCEDURE (ASTM C1559), THE FOLLOWING VALUES TABULATED BELOW ARE MET:

Test Property	Design Criteria
Compaction, number of blows each end of specimen	75
Stability (lbs)	1,800 min
Flow (0.25 mm or 0.01 in.)	8 min, 14 max
Air Voids in Total Mix (percent)	3 min, 5 max
Minimum Voids in Mineral Aggregate (VMA) for ¾-inch nominal maximum particle size (percent)	
Design Air Voids = 3.0 percent	12
Design Air Voids = 4.0 percent	13
Design Air Voids = 5.0 percent	14
(interpolation allowed to estimate values not listed)	
Voids Filled with Asphalt (VFA) (percent)	65 min, 75 max

   C. CONTRACTOR-PROPOSED ASPHALT PRODUCT.
   D. CONTRACTOR-PROPOSED TACK COAT PRODUCT AND CALCULATIONS FOR THE MINIMUM SPRAY RATE REQUIRED TO ACHIEVE THE MINIMUM RESIDUAL RATE IN THESE SPECIFICATIONS.
   E. CONTRACTOR'S QUALITY CONTROL AND TESTING PLAN.
   F. CONTRACTOR'S CORRECTIVE ACTION PLAN.
5) CONTRACTOR SHALL PROVIDE DUPLICATE DELIVERY TICKETS WITH EACH LOAD OF ASPHALT CONCRETE DELIVERED, ONE FOR CONTRACTOR'S RECORDS AND ONE PROVIDED TO THE DEPARTMENT ON THE DAY OF DELIVERY WITH FOLLOWING INFORMATION:
   1. DATE AND SERIAL NUMBER OF TICKET.
   2. NAME OF ASPHALT CONCRETE PLANT, OPERATOR, AND JOB LOCATION.
   3. TYPE OF ASPHALT, ADMIXTURES, IF ANY, AND BRAND NAME.
   4. ASPHALT MIX DESIGN DESIGNATION.
   5. ASPHALT BINDER CONTENT.
   6. TRUCK NUMBER AND TIME LOADED.
   7. AMOUNT OF ASPHALT CONCRETE IN LOAD, DELIVERED.
6) ASPHALT CONCRETE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS FOR DENSE GRADED HOT MIX ASPHALT (HMA) TYPE A ASPHALT CONCRETE. ASPHALT CONCRETE SHALL MEET CALTRANS PERFORMANCE GRADE (PG) SYSTEM PG 70-10 FOR INLAND VALLEY AREAS.
7) ASPHALT BINDER TO BE MIXED WITH AGGREGATE SHALL BE STEAM-REFINED PAVING ASPHALT, CONFORMING TO THE REQUIREMENTS OF SECTION 92 OF THE CALTRANS STANDARD SPECIFICATIONS.
8) EXISTING PAVEMENT TO BE JOINED TO NEW PAVEMENT SHALL BE SAW CUT TO A NEAT, STRAIGHT LINE A MINIMUM OF ONE FOOT FROM THE EXISTING EDGE OF PAVEMENT. THE EXISTING AGGREGATE BASE AND PAVEMENT SHALL BE REMOVED TO THE FULL DEPTH OF THE NEW SECTION.
9) THE AGGREGATE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF SECTION 39-2.02B(2) OF THE CALTRANS STANDARD SPECIFICATIONS FOR TYPE A AGGREGATE.
10) SPREADING AND COMPACTING OF ASPHALT CONCRETE
   A. DO NOT PLACE ASPHALT CONCRETE IF AMBIENT AIR TEMPERATURE IS BELOW 65 DEGREES FAHRENHEIT. OTHER WEATHER CONDITIONS THAT MAY ADVERSELY AFFECT MIX TEMPERATURE AND CONSTRUCTION QUALITY SUCH AS WIND, HUMIDITY, RAIN SHALL BE EVALUATED BEFORE EACH DAY'S START OF CONSTRUCTION.
   B. SUBGRADE AND AGGREGATE BASE SHALL BE FIRM AND NON-YIELDING TO TRUCKS OR CONSTRUCTION EQUIPMENT. SUBGRADE AND AGGREGATE BASE SHALL BE EVALUATED AT THE START OF EACH DAY'S START OF CONSTRUCTION. HAUL TRUCKS SHALL BE LIMITED IN SIZE AND WEIGHT TO PREVENT PUMPING ACTION OF BASE AND SUBGRADE MATERIALS.
   C. PLACE, SPREAD, AND COMPACT THE ASPHALT CONCRETE MATERIAL PER THE REQUIREMENTS OF SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS.
   D. LIFT THICKNESS SHALL NOT BE LESS THAN 0.15 FOOT EACH.
   E. LIFT THICKNESS SHALL NOT BE MORE THAN 0.25 FOOT EACH.
   F. APPLY TACK COAT BETWEEN LIFTS; SEE PART 3.03 OF THE CALTRANS SPECIFICATIONS FOR MINIMUM REQUIREMENTS.
   G. ROLLER SPEED SHALL NOT EXCEED 5 MPH.
   H. VIBRATORY ROLLERS SHALL BE TURNED OFF FOR SURFACE ROLLING.
   I. PLACE TO THE LINES, GRADES, AND THICKNESSES SHOWN ON THE CONSTRUCTION DRAWING.
   J. DO NOT ALLOW TRAFFIC UNTIL PAVEMENT HAS COOLED.
12) TACK COAT
   A. APPLY A TACK COAT BETWEEN LAYERS OF NEW HMA, TO EXISTING PAVEMENT PLANED SURFACES, TO VERTICAL SURFACES SUCH AS NEW CONCRETE SLABS, EXISTING CURBS, GUTTERS, CONSTRUCTION JOINTSAND TO ALL SURFACES ADJACENT TO AREAS WHERE NEW PAVEMENT IS TO BE CONSTRUCTED.
   B. APPLY AT MINIMUM RESIDUAL RATE LISTED IN SECTION 39-2.01C(3)(f) FOR THE USE (FOR EXAMPLE, NEW HMA, ETC.) AND FOR THE CONTRACTOR-SELECTED PRODUCT (FOR EXAMPLE, QS1/CQS1, ETC.) LISTED.

D/4 SECTION
ASPHALT CONCRETE PAVEMENT

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP

REGISTERED PROFESSIONAL ENGINEER No. C051886 CIVIL STATE OF CALIFORNIA — Signed 9 Dec 2021

DESIGN BY:	AB
DRAWN BY:	AB
CHECKED BY:	FS
REVIEWED BY:	FS
APPROVED BY:	FS

TITLE: STRUCTURAL DETAILS AND NOTES

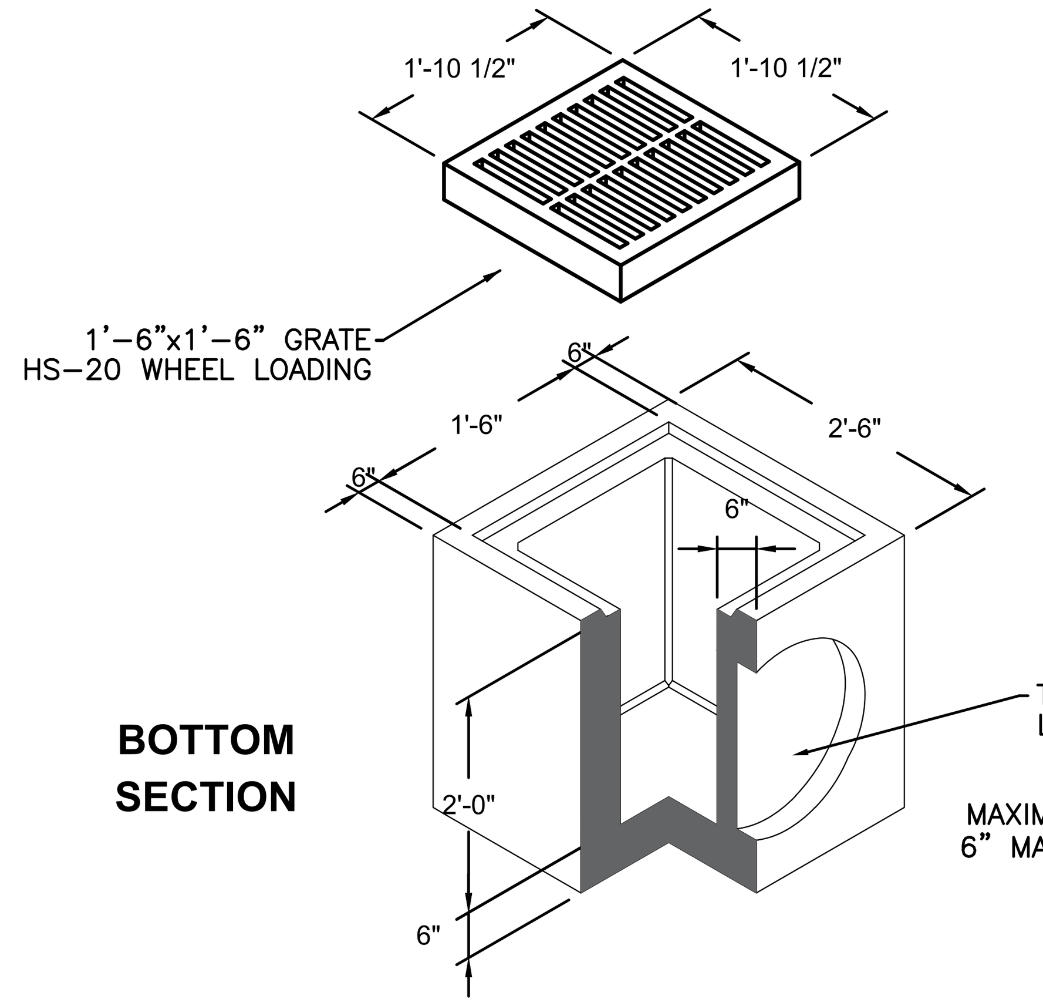
PROJECT: YOLO COUNTY LANDFILL WHITE GOODS AREA SURFACE IMPROVEMENTS

SITE: 27075 COUNTY ROAD 19A, ESPARTO, 95627
YOLO COUNTY, CALIFORNIA

Geosyntec consultants
1111 BROADWAY, 6TH FLOOR
OAKLAND, CALIFORNIA, 94607 USA

DATE:	9 DECEMBER 2021
PROJECT NO.:	WG3009
FILE:	WG3009
DRAWING NO.:	5 OF 7

P:\CADD\CIVIL 3D\YOLO COUNTY\WG3009 YCCL WHITE GOODS AREA\SHEETS\WG3009



APPROXIMATE BOTTOM WEIGHT 2'-0" INSIDE 1700 LBS.

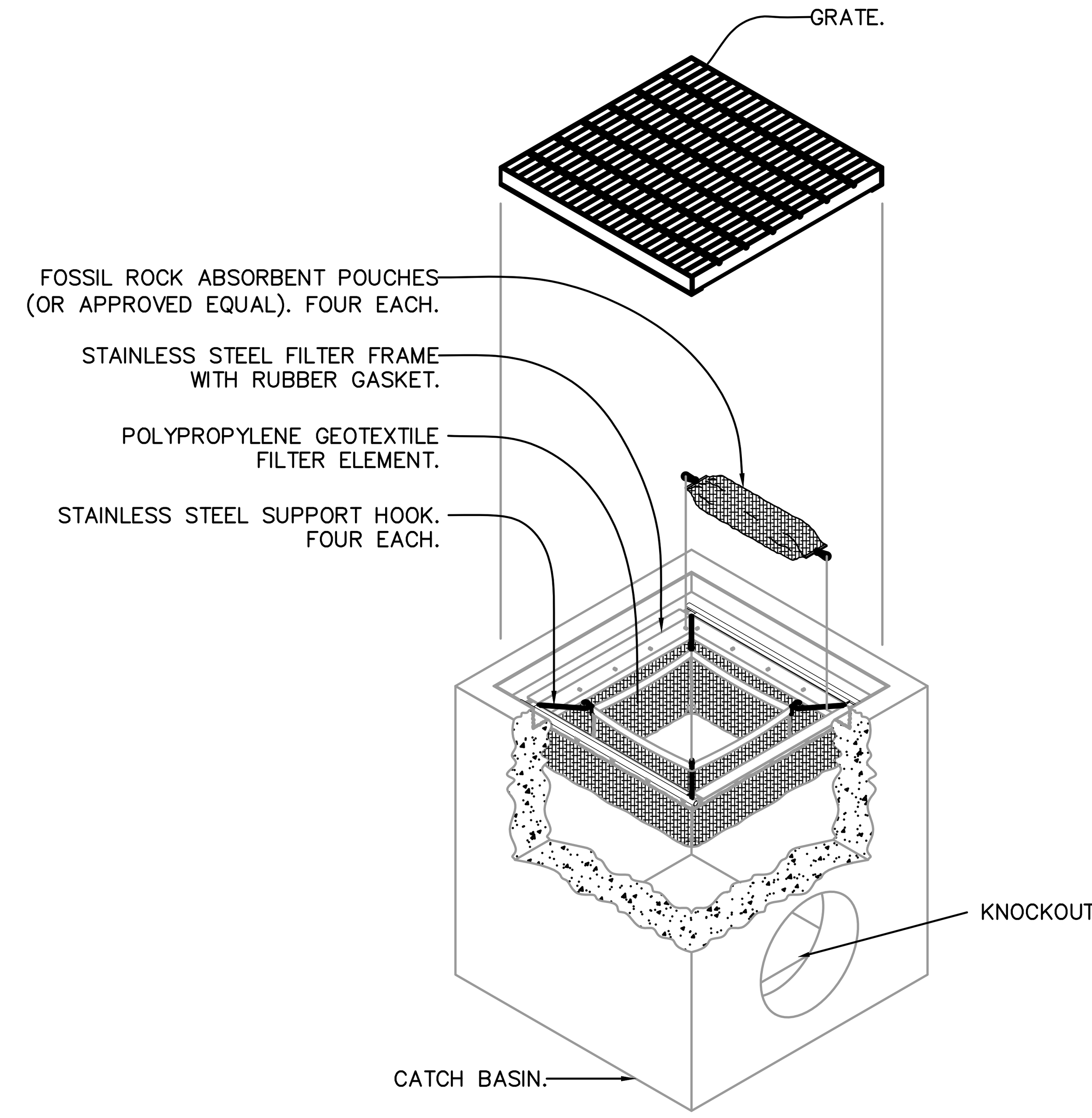
MINIMUM EXCAVATION 4'-6"x4'-6"

MAXIMUM OPENING WIDTH IS 18" WITH 6" MAXIMUM WIDTH IN ADJACENT WALL.

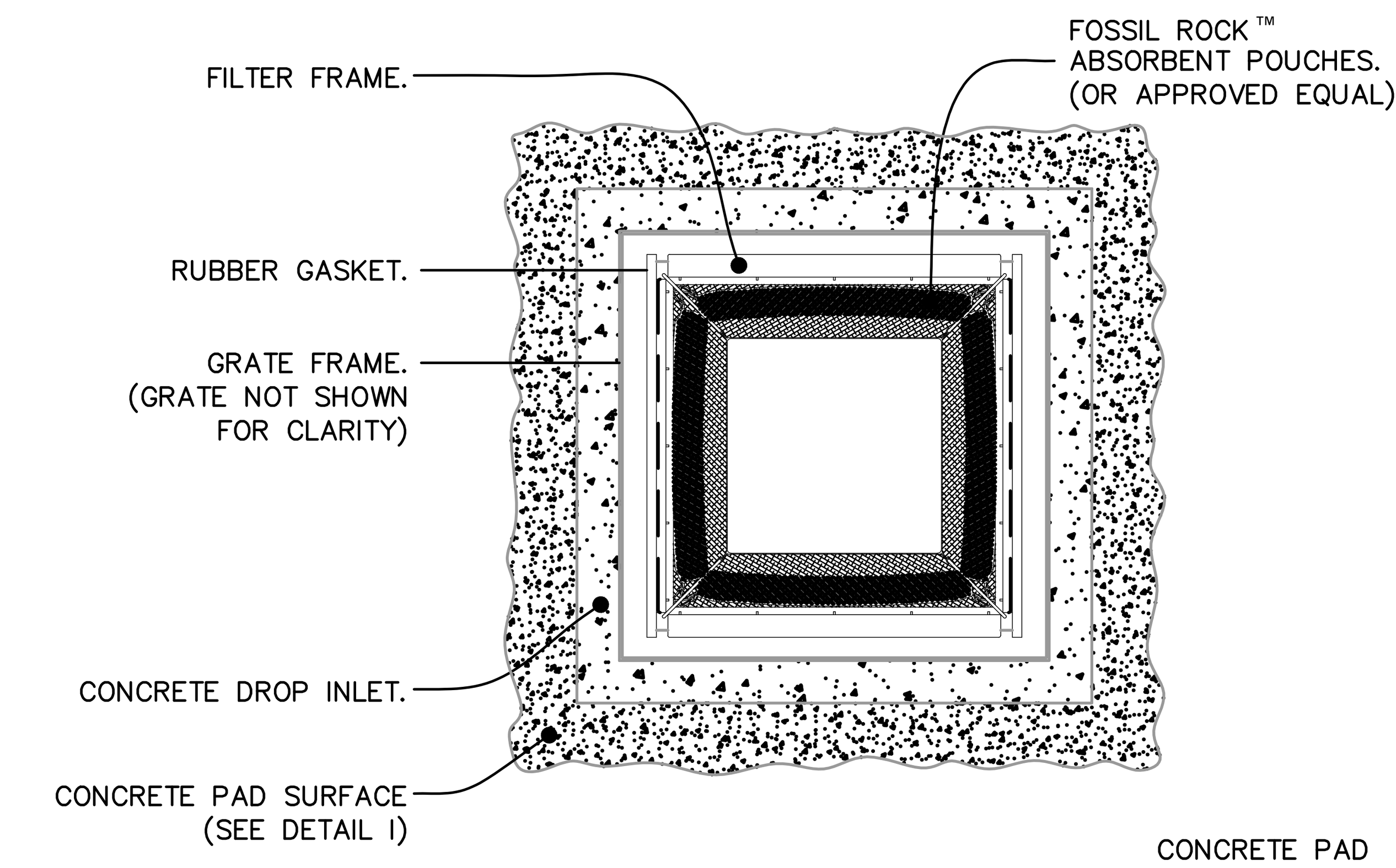
GRATE INLET NOTES:

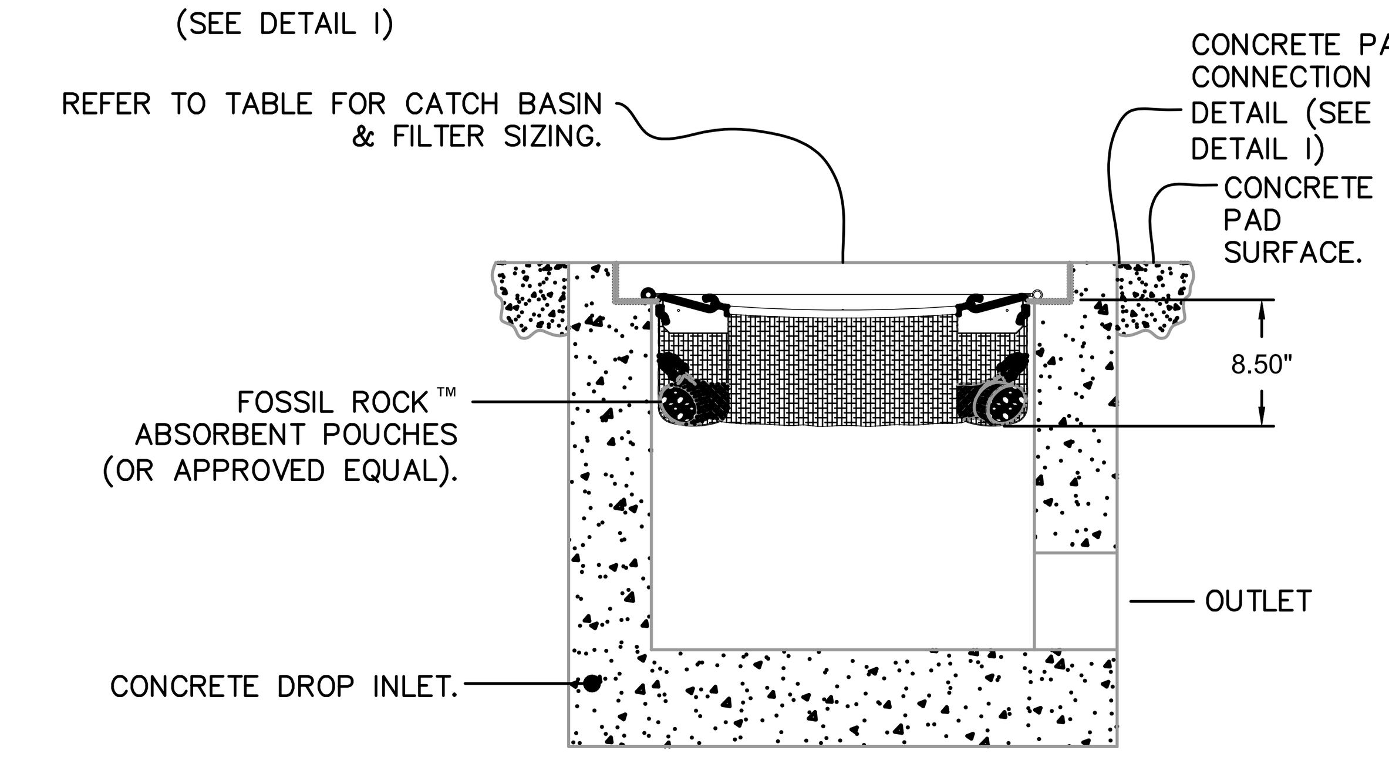
1. ALL PRECAST CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4500 psi.
2. REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60, A706 GRADE 60 OR A497 GRADE 70. BAR BENDING AND PLACEMENT SHALL COMPLY WITH THE LATEST ACI STANDARDS
3. STRUCTURAL DESIGN SHALL BE BASED ON AASHTO HS 20 WHEEL LOADING.
4. ESTIMATED WATER TABLE IS AT 5' BELOW GRADE FOR STRUCTURAL DESIGN.
5. THE STRUCTURE SHALL BE PLACED ON 6-INCH THICK CLASS 2 AGGREGATE BEDDING COMPACTED TO 95 PERCENT RELATIVE COMPACTION TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURES.

E / 4 DETAIL
1'-6"x1'-6" GRATE INLET
OLD CASTLE PRECAST MODEL GI1515 OR APPROVED EQUAL



FloGard SHALLOW DEPTH SPECIFIER CHART			
MODEL	INLET ID	GRATE OD	COMMENTS
FGP-12F8	12" X 12"	15" X 15"	GRATED INLET
FGP-16F8	16" X 16"	18" X 18"	GRATED INLET
FGP-18F8	18" X 18"	20" X 20"	GRATED INLET





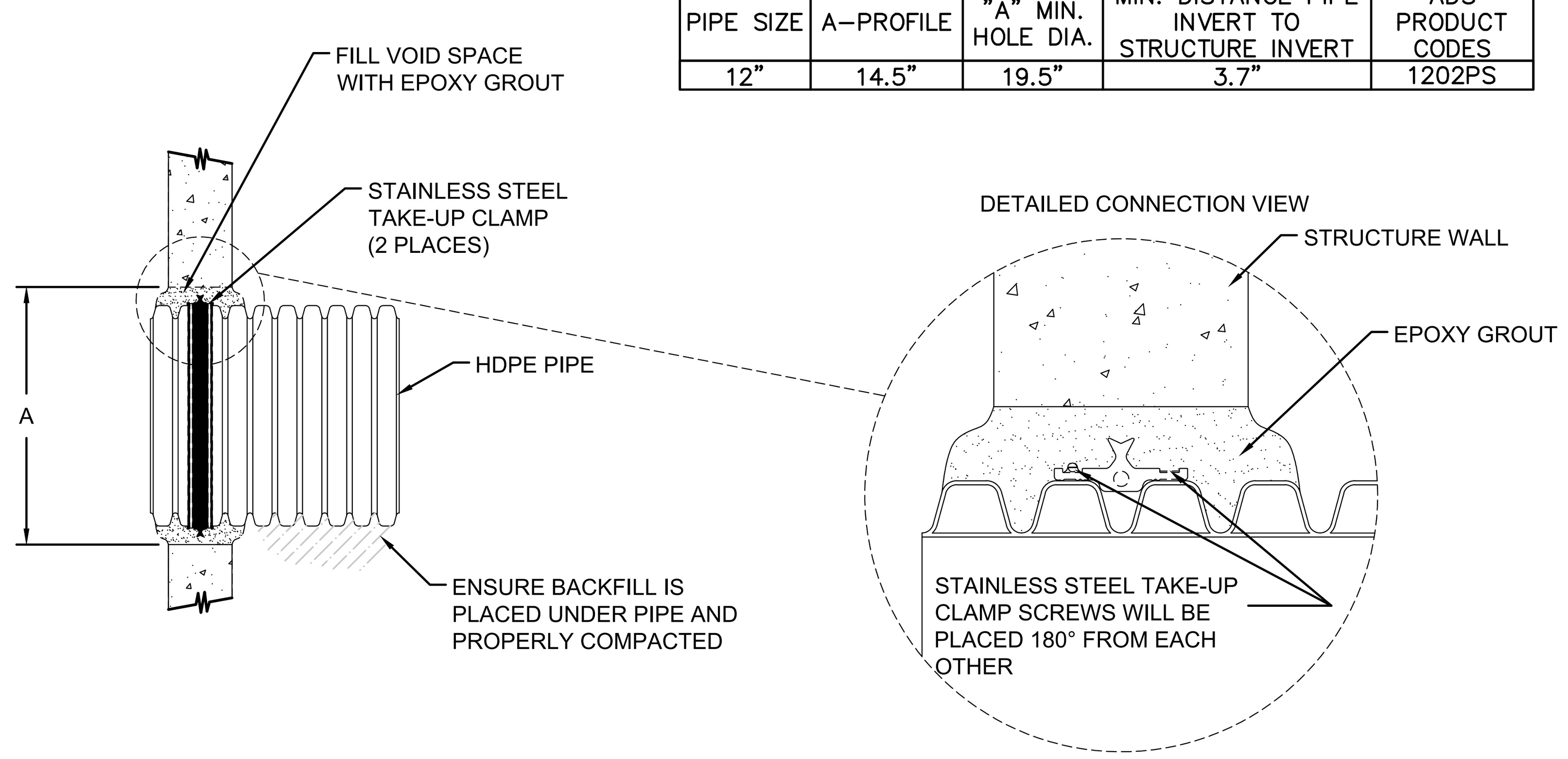
SECTION VIEW

INSERT FILTER NOTES:

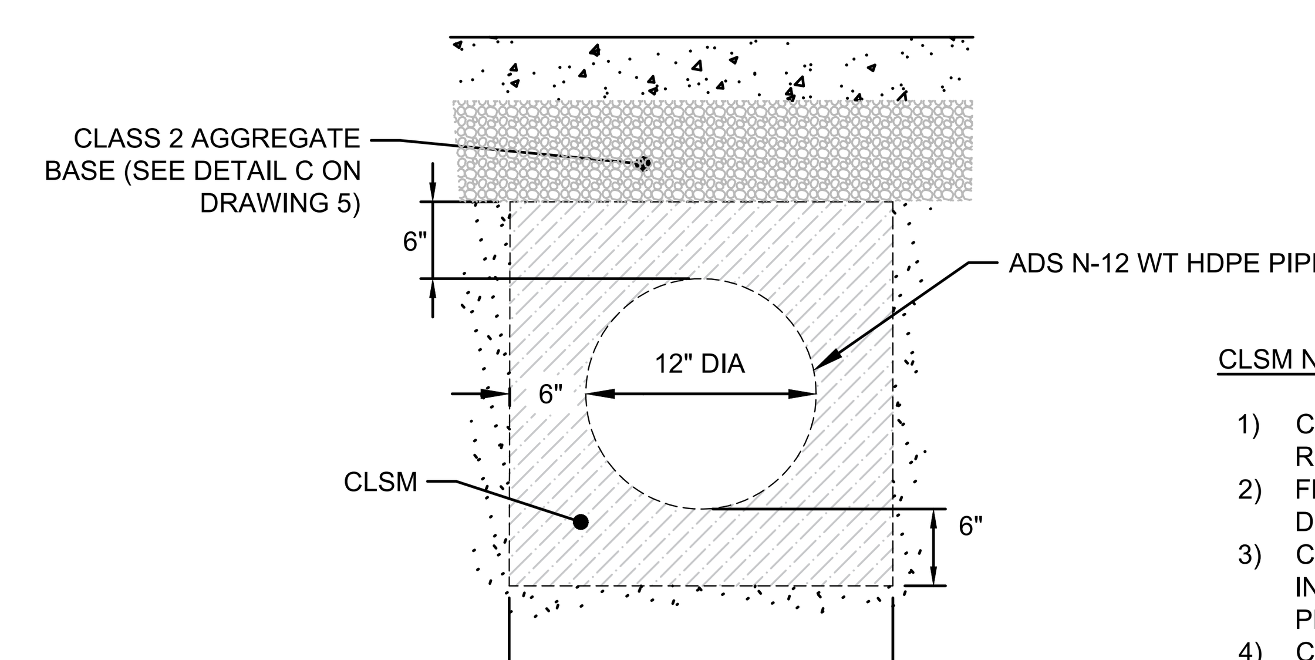
1. FILTER INSERT SHALL HAVE A HIGH FLOW BYPASS FEATURE.
2. FILTER SUPPORT FRAME SHALL BE CONSTRUCTED FROM STAINLESS STEEL TYPE 304.
3. FILTER MEDIUM SHALL BE *FOSSIL ROCK* ™, INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
4. STORAGE CAPACITY REFLECTS 80% OF MAXIMUM SOLIDS COLLECTION PRIOR TO IMPEDING FILTERING BYPASS.

F / 4 DETAIL
CATCH BASIN INSERT FILTER
FLOGARD GRATED INLET STYLE OR APPROVED EQUAL

	PIPE OD			
PIPE SIZE	A-PROFILE	"A" MIN. HOLE DIA.	MIN. DISTANCE PIPE INVERT TO STRUCTURE INVERT	ADS PRODUCT CODES
12"	14.5"	19.5"	3.7"	1202PS



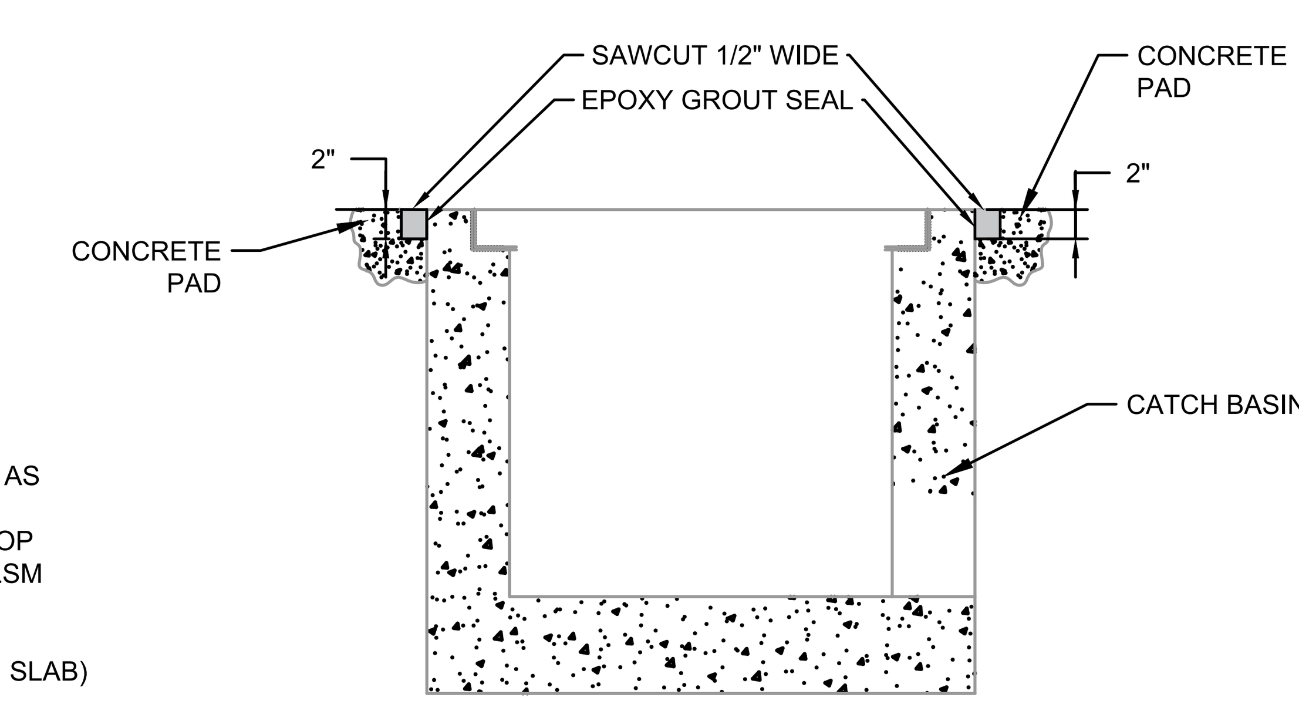
G / 4 DETAIL
CATCH BASIN CONNECTION



H / 4 DETAIL
PIPE TRENCH

CLSM NOTES:

1) CONTROLLED LOW STRENGTH MATERIAL (CLSM) SHALL MEET THE REQUIREMENTS IN CALTRANS SECTION 19-3.02G.
2) FLOWABILITY (OR SLUMP) SHALL BE 8 TO 12 INCHES PRIOR TO PLACEMENT AS DETERMINED BY ASTM D6103.
3) CONTRACTOR RESPONSIBLE FOR RESTRAINING IMPROVEMENTS (PIPE, DROP INLETS, ETC.) SO THAT IMPROVEMENTS DO NO FLOAT OR MOVE DURING CLSM PLACEMENT.
4) CONTRACTOR SHALL WAIT FOR PASSING STRENGTH TESTS BEFORE CONSTRUCTING ADDITIONAL IMPROVEMENTS (FOR EXAMPLE, PAVEMENTS, SLAB) ABOVE NEWLY-PLACED CLSM.CLSM SHALL CONSIST OF A MIXTURE OF AGGREGATE, PORTLAND CEMENT, FLY ASH, WATER AND BENTONITE OR APPROVED EQUAL.
5) CLSM SHALL BE OF SUCH QUALITY THAT, WHEN MIXED AT PROPORTIONS SPECIFIED BELOW, AND TESTED IN ACCORDANCE WITH CALIFORNIA TEST 548, THE COMPRESSIVE STRENGTH OF A SAMPLE WILL BE AT LEAST 50 POUNDS PER SQUARE INCH (PSI) AT 7 CALENDAR DAYS, AND 150 PSI AT 28 CALENDAR DAYS.



I / – DETAIL
DROP BOX AND CONCRETE PAD CONNECTION

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — CIVIL — No. C051686 — Exp. 30 Jun 2022 — Signed 9 Dec 2021

DESIGN BY:	AB
DRAWN BY:	AB
CHECKED BY:	FS
REVIEWED BY:	FS
APPROVED BY:	FS

TITLE: DRAINAGE DETAILS AND NOTES

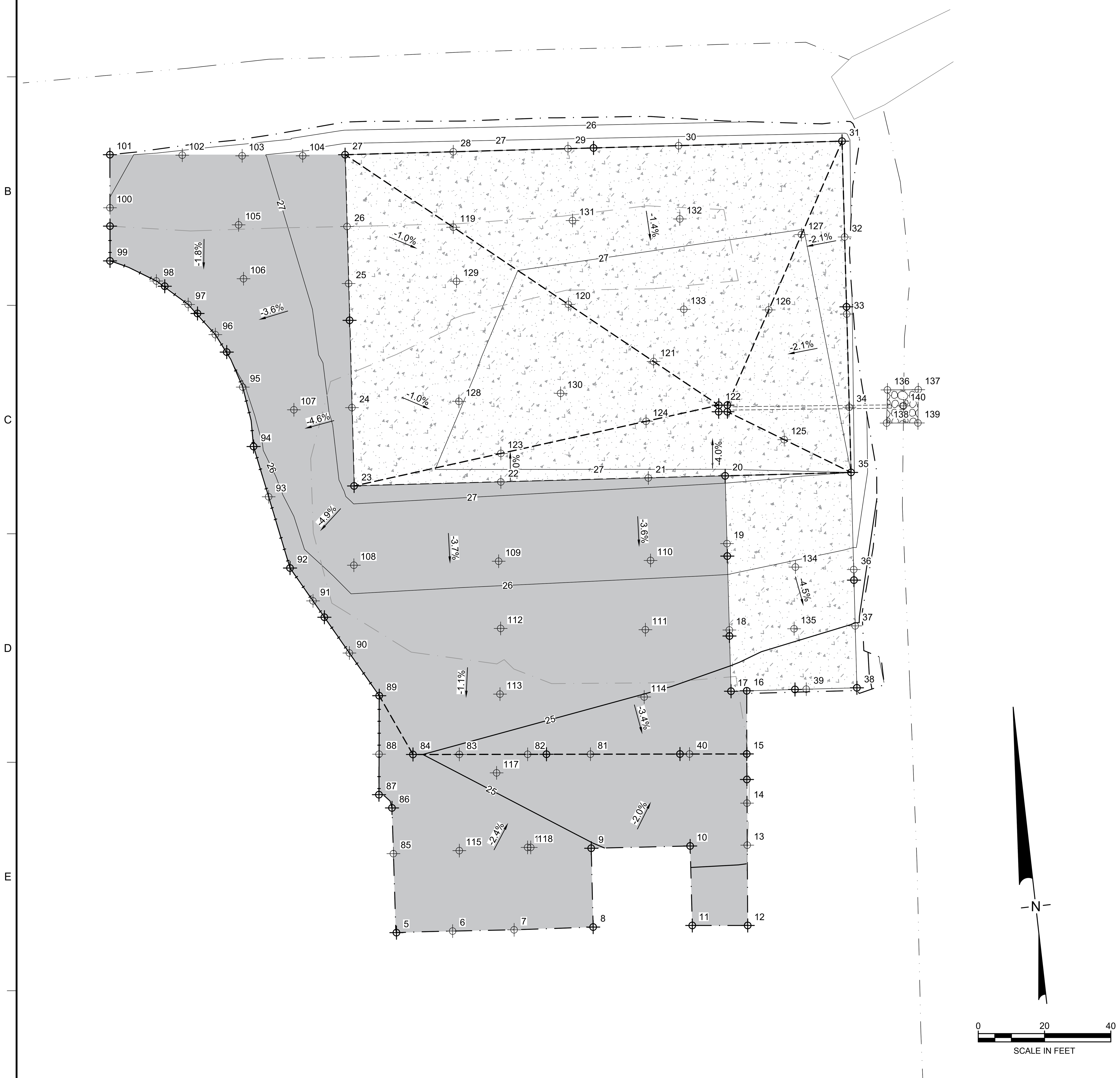
PROJECT: YOLO COUNTY LANDFILL WHITE GOODS AREA SURFACE IMPROVEMENTS

SITE: 27075 COUNTY ROAD 19A, ESPARTO, 95627
YOLO COUNTY, CALIFORNIA

County of Yolo — Founded 1850

Geosyntec consultants
1111 BROADWAY, 6TH FLOOR
OAKLAND, CALIFORNIA, 94607 USA

DATE:	9 DECEMBER 2021
PROJECT NO.:	WG3009
FILE:	WG3009
DRAWING NO.:	6 OF 7



Point Table				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5	1977443.17	6649859.06	25.82	TOP OF ASPHALT
6	1977443.65	6649876.02	25.78	TOP OF ASPHALT
7	1977444.03	6649894.56	25.80	TOP OF ASPHALT
8	1977444.86	6649918.41	25.72	TOP OF ASPHALT
9	1977468.64	6649917.83	25.03	TOP OF ASPHALT
10	1977469.33	6649947.68	24.80	TOP OF ASPHALT
11	1977445.35	6649948.34	25.54	TOP OF ASPHALT
12	1977445.34	6649965.04	25.49	TOP OF ASPHALT
13	1977469.58	6649964.91	24.85	TOP OF ASPHALT
14	1977482.26	6649964.85	24.52	TOP OF ASPHALT
15	1977497.11	6649964.77	24.13	TOP OF ASPHALT/ GRADE BREAK
16	1977516.16	6649964.80	24.66	EDGE OF CONCRETE
17	1977516.03	6649960.01	24.72	EDGE OF CONCRETE
18	1977534.51	6649959.51	25.39	EDGE OF CONCRETE
19	1977560.58	6649958.80	26.34	EDGE OF CONCRETE
20	1977581.03	6649958.24	27.08	EDGE OF CONCRETE
21	1977580.40	6649935.06	27.10	EDGE OF CONCRETE
22	1977579.19	6649890.56	27.15	EDGE OF CONCRETE
23	1977577.98	6649846.28	27.20	EDGE OF CONCRETE
24	1977601.61	6649845.64	27.29	EDGE OF CONCRETE
25	1977639.06	6649844.62	27.44	EDGE OF CONCRETE
26	1977656.27	6649844.16	27.51	EDGE OF CONCRETE
27	1977677.95	6649843.57	27.60	EDGE OF CONCRETE
28	1977678.83	6649876.21	27.55	EDGE OF CONCRETE
29	1977679.78	6649910.82	27.49	EDGE OF CONCRETE
30	1977680.68	6649944.20	27.43	EDGE OF CONCRETE
31	1977682.02	6649993.51	27.35	EDGE OF CONCRETE
32	1977653.10	6649994.30	27.25	EDGE OF CONCRETE
33	1977629.86	6649994.93	27.17	EDGE OF CONCRETE
34	1977601.73	6649995.69	27.07	EDGE OF CONCRETE
35	1977582.06	6649996.23	27.00	EDGE OF CONCRETE
36	1977552.74	6649997.03	25.71	EDGE OF CONCRETE
37	1977535.76	6649997.49	24.96	EDGE OF CONCRETE
38	1977517.07	6649998.00	24.14	EDGE OF CONCRETE
39	1977516.65	6649982.72	24.38	EDGE OF CONCRETE
40	1977497.08	6649947.49	24.28	TOP OF ASPHALT/ GRADE BREAK
81	1977497.03	6649917.60	24.55	TOP OF ASPHALT/ GRADE BREAK
82	1977497.00	6649898.65	24.72	TOP OF ASPHALT/ GRADE BREAK
83	1977496.96	6649878.03	24.90	TOP OF ASPHALT/ GRADE BREAK
84	1977496.94	6649864.04	25.03	TOP OF ASPHALT/ GRADE BREAK
85	1977467.02	6649858.15	25.59	TOP OF ASPHALT
86	1977480.83	6649857.72	25.44	TOP OF ASPHALT
87	1977484.81	6649853.79	25.42	TOP OF ASPHALT
88	1977497.03	6649853.82	25.27	TOP OF ASPHALT
89	1977514.69	6649853.86	25.21	TOP OF ASPHALT
90	1977527.56	6649844.87	25.34	TOP OF ASPHALT
91	1977543.30	6649833.88	25.52	TOP OF ASPHALT
92	1977553.22	6649826.95	25.65	TOP OF ASPHALT

Point Table				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
93	1977574.72	6649820.50	25.76	TOP OF ASPHALT
94	1977589.88	6649815.95	25.87	TOP OF ASPHALT
95	1977607.81	6649812.69	25.97	TOP OF ASPHALT
96	1977623.65	6649804.41	26.06	TOP OF ASPHALT
97	1977632.75	6649796.21	26.21	TOP OF ASPHALT
98	1977639.83	6649786.62	26.33	TOP OF ASPHALT
99	1977645.90	6649772.64	26.27	TOP OF ASPHALT
100	1977661.92	6649772.62	26.04	TOP OF ASPHALT
101	1977677.95	6649772.60	25.82	TOP OF ASPHALT
102	1977677.80	6649794.43	26.37	TOP OF ASPHALT
103	1977677.62	6649812.51	26.82	TOP OF ASPHALT
104	1977677.62	6649830.77	27.28	TOP OF ASPHALT
105	1977656.78	6649811.44	26.63	TOP OF ASPHALT
106	1977640.51	6649812.93	26.40	TOP OF ASPHALT
107	1977600.96	6649828.12	26.55	TOP OF ASPHALT
108	1977554.07	6649846.21	26.32	TOP OF ASPHALT
109	1977555.26	6649889.90	26.27	TOP OF ASPHALT
110	1977555.49	6649935.73	26.20	TOP OF ASPHALT
111	1977534.59	6649934.19	25.46	TOP OF ASPHALT
112	1977534.97	6649890.51	25.53	TOP OF ASPHALT
113	1977515.16	6649890.30	25.23	TOP OF ASPHALT
114	1977514.30	6649933.81	24.97	TOP OF ASPHALT
115	1977467.94	6649878.04	25.45	TOP OF ASPHALT
116	1977468.89	6649898.63	25.23	TOP OF ASPHALT
117	1977491.40	6649889.29	24.90	TOP OF ASPHALT
118	1977468.89	6649899.59	25.22	TOP OF ASPHALT
119	1977656.07	6649876.20	27.22	TOP OF CONCRETE/ GRADE BREAK
120	1977632.78	6649910.94	26.82	TOP OF CONCRETE/ GRADE BREAK
121	1977615.53	6649936.66	26.53	TOP OF CONCRETE/ GRADE BREAK
122	1977602.38	6649956.28	26.30	TOP OF CONCRETE/ GRADE BREAK
123	1977587.79	6649890.57	26.84	TOP OF CONCRETE/ GRADE BREAK
124	1977597.49	6649934.38	26.49	TOP OF CONCRETE/ GRADE BREAK
125	1977591.94	6649976.09	26.62	TOP OF CONCRETE/ GRADE BREAK
126	1977631.10	6649971.40	26.68	TOP OF CONCRETE/ GRADE BREAK
127	1977653.84	6649981.27	26.98	TOP OF CONCRETE/ GRADE BREAK
128	1977603.52	6649877.92	27.01	TOP OF CONCRETE
129	1977639.73	6649877.19	27.15	TOP OF CONCRETE
130	1977605.93	6649908.59	26.75	TOP OF CONCRETE
131	1977658.07	6649912.21	27.18	TOP OF CONCRETE
132	1977658.56	6649944.56	27.12	TOP OF CONCRETE
133	1977631.28	6649945.77	26.73	TOP OF CONCRETE
134	1977553.49	6649979.46	25.93	TOP OF CONCRETE
135	1977534.87	6649979.04	25.16	TOP OF CONCRETE
136	1977606.97	6650007.21	25.00	EDGE OF RIPRAP
137	1977607.03	6650016.51	25.00	EDGE OF RIPRAP
138	1977596.96	6650006.97	25.00	EDGE OF RIPRAP
139	1977597.00	6650016.41	25.00	EDGE OF RIPRAP
140	1977602.15	6650012.08	22.63	TOP OF RIPRAP

LEGEND

- 310 — PROPOSED GROUND MAJOR CONTOUR (5')
- 312 — PROPOSED GROUND MINOR CONTOUR (1')
- EXISTING EDGE OF ASPHALT
- EXISTING CHANNEL FLOWLINE
- GRADE BREAK
- ASPHALT CONCRETE PAVEMENT
- REINFORCED CONCRETE PAD
- ROCK RIPRAP
- ASPHALT SAWCUT LINE
- EARTHWORK LIMITS
- 10 CONSTRUCTION POINT

NOTES:

1) EXISTING GROUND TOPOGRAPHY AND SITE FEATURES PROVIDED BY R.E.Y. ENGINEERS, INC., SURVEY DATED 12 MAY 2021.

2) COORDINATES, BEARINGS AND DISTANCES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA STATE COORDINATE SYSTEM, ZONE 2, SURVEY FOOT UNITS. VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988, SURVEY FOOT UNITS, AS CALCULATED BY THE NATIONAL GEODETIC SURVEY'S (NGS) ONLINE POSITIONING USER SERVICE (OPUS).

CONSTRUCTION DRAWING

REV	DATE	DESCRIPTION	DRN	APP

REGISTERED PROFESSIONAL ENGINEER, No. C051686, Exp. 30 Jun 2022, CIVIL, STATE OF CALIFORNIA — Signed 9 Dec 2021

DESIGN BY:	AB
DRAWN BY:	AB
CHECKED BY:	FS
REVIEWED BY:	FS
APPROVED BY:	FS

TITLE: CONSTRUCTION POINTS

PROJECT: YOLO COUNTY LANDFILL WHITE GOODS AREA SURFACE IMPROVEMENTS

SITE: 27075 COUNTY ROAD 19A, ESPARTO, 95627
YOLO COUNTY, CALIFORNIA

County of Yolo — AGRICULTURE · INDUSTRY · EDUCATION — Founded 1850

Geosyntec consultants
1111 BROADWAY, 6TH FLOOR
OAKLAND, CALIFORNIA, 94607 USA

DATE:	9 DECEMBER 2021
PROJECT NO.:	WG3009
FILE:	WG3009
DRAWING NO.:	7 OF 7

CONTRACTOR STAGING AREA

SCALE: 1" = 40'

40 0 20 40 80 160

PROJECT	SHEET NUMBER	TOTAL SHEETS
YOLO COUNTY CENTRAL LANDFILL		

DEPARTMENT APPROVAL _____ DATE _____

REGISTERED PROFESSIONAL ENGINEER JEFFREY D. KIEFT NO. C60739 CIVIL STATE OF CALIFORNIA

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND A BLACK COLORED SIGNATURE

REVISIONS			APP
1.	MM/DD/YY		
2.	mm/dd/yy		
3.	mm/dd/yy		
4.	mm/dd/yy		

DESIGN BY	BD	3/16/2023
DRAWN BY	BD	3/16/2023
CHECK BY	JK	3/17/23

SCALE: 1" = 40'

YOLO COUNTY
DEPARTMENT OF COMMUNITY SERVICES
DIVISION OF INTEGRATED WASTE MANAGEMENT
44090 County Road 28H
Woodland, Ca. 95776-9101
Phone: (530) 666-8852 FAX: (530) 666-8853

YOLO COUNTY CENTRAL LANDFILL
WHITE GOODS CENTER RELOCATION

S-001
SITE PLAN

SHEET NUMBER
S-001

S:\IWM\Operations\Recycling Area Improvements\BOS\Creating Package\2023-03 Site Plan.dwg 3-16-23 10:46:39 AM bdelacruz