## SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C-1.0.
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
5. ALL EXISTING UTILITIES, YARD BOXES, BOXES WITHIN THE SITE WORK SHALL BE ADJUSTED TO NEW GRADE.
6. ALL EXISTING INFORMATION SHOWN ON THIS PLAN REGARDING UNDERGROUND EXISTING UTILITIES HAS BEEN OBTAINED FROM AVAILABLE AS-BUILT. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, SIZES, APPURTENANCES AND CORRESPONDING INVERT ELEVATIONS AND MAKE ADJUSTMENTS AS NECESSARY FOR CONNECTIONS OF PROPOSED LINES.
7. UNDERGROUND UTILITIES THAT ARE NO LONGER IN USE ARE TO BE CAPPED AND PLUGGED AS NECESSARY.
8. REFER TO C-4.0 FOR UTILITIES LIMIT OF TRENCH DEMOLITION.

## REMOVAL LEGEND:

- REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL, FULL DEPTH
- REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH
- CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY
- REMOVE EXISTING RUBBER PLAY SURFACE
- REMOVE EXISTING SAND AREA
- LIMIT-REMOVAL

## REMOVAL NOTES:

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4. REMOVE EXISTING RUBBER SURFACING AND BASE MATERIAL IN ITS ENTIRETY.
5. REMOVE EXISTING SAND AREA.
6. REMOVE EXISTING TREE IN ITS ENTIRETY. COORDINATE WITH ARCHITECTURAL DRAWINGS AND DISTRICT PRIOR TO REMOVAL.
7. REMOVE EXISTING CHAINLINK FENCE, WROUGHT IRON FENCE, GATE, FOOTINGS AND SILT FABRIC IN ITS ENTIRETY.
8. REMOVE EXISTING SHADE STRUCTURE, FOOTINGS, ASSOCIATED LUNCH TABLES AND BENCHES AND ALL APPURTENANCES IN ITS ENTIRETY.
9. REMOVE EXISTING GUARD POST,/ TETHERBALL POST / BOLLARD / FLAG POLE / SWING SET / VOLLEYBALL POST / BASKETBALL HOOP POST / PLAYGROUND STRUCTURE. COORDINATE WITH THE DISTRICT PRIOR TO REMOVAL AND/OR RELOCATION.
10. REMOVE AND RELOCATE EXISTING CATCH BASIN. VERIFY IN FIELD EXISTING PIPE PRIOR TO CAPPING AND PLUGGING. IF THE INLET AND OUTLET IS EXISTING AT CATCH BASIN, PROVIDE PIPE CONNECTION/FITTINGS FROM BOTH ENDS AND ENCASE WITH CONCRETE. REFER TO C-4.0 FOR NEW LOCATION OF THE CATCH BASIN
11. REMOVE AND SALVAGE CONCRETE BENCH. RETURN TO SCHOOL DISTRICT OR COORDINATE FOR NEW LOCATION.
12. REMOVE EXISTING STRIPING.
13. REMOVE EXISTING PLANTER BOX COORDINATE WITH DISTRICT FOR NEW LOCATION.
14. REMOVE AND SALVAGE EXISTING PLAYGROUND HOUSE. REFERE TO ARCHITECTURAL DRAWINGS.
15. REMOVE EXISTING MOWSTRIP IN ITS ENTIRETY.
16. REMOVE EXISTING RAILING AND ITS FOOTINGS IN ITS ENTIRETY.
17. REMOVE EXISTING STORM DRAIN LINE AND APPURTENANCES IN ITS ENTIRETY.
18. REMOVE EXISTING VERTICAL LOGS.
19. REMOVE EXISTING GATE AND ITS FOOTINGS IN ITS ENTIRETY.
20. REMOVE AND SALVAGE EXISTING BENCH. SEE ARCHITECTURAL DRAWINGS FOR NEW BENCH LOCATION.
21. REMOVE AND TURNOVER BIKE RACKS TO SCHOOL DISTRICT.
22. REMOVE AND RELOCATE GRAPE VINES. COORDINATE WITH DISTRICT FOR NEW LOCATION.
23. SAWCUT FULL DEPTH EXISTING CONCRETE OR AC.
24. REMOVE PORTION OF EXISTING DRIVEWAY.
25. REMOVE PORTION OF EXISTING CONCRETE CURB AND GUTTER.

## PROTECT-IN-PLACE NOTES:

30. PROTECT IN PLACE EXISTING TREES, SHRUBS, SOD, ETC. COORDINATE WITH ARCHITECTURAL DRAWINGS.
31. PROTECT IN PLACE EXISTING CHAINLINK / WROUGHT IRON FENCE.
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34. PROTECT IN PLACE EXISTING CONCRETE OR ASPHALT PAVEMENT.
35. PROTECT IN PLACE EXISTING TOP 3 STEPS.
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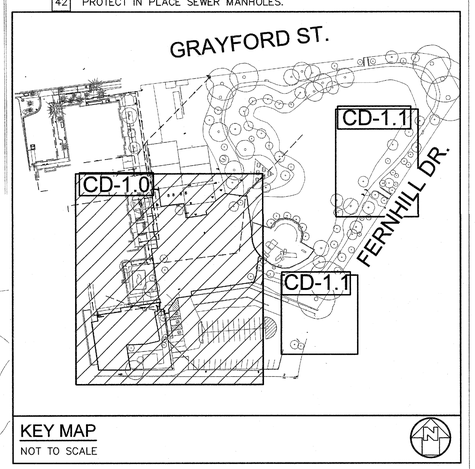
37. PROTECT IN PLACE EXISTING PLAYGROUND STRUCTURE.
38. LOCATE, REMOVE AND REROUTE/RELOCATE EXISTING IRRIGATION SYSTEM, VALVES, AND APPURTENANCES IN ITS ENTIRETY. LOCATED WITHIN THE LIMIT OF WORK.
39. PROTECT IN PLACE EXISTING RETAINING FREE STANDING WALLS.
40. PROTECT IN PLACE EXISTING UNDERGROUND UTILITIES.
41. PROTECT IN PLACE EXISTING SIGN.
42. PROTECT IN PLACE SEWER MANHOLES.




KEY MAP
NOT TO SCALE

SITE DEMOLITION PLAN
10 5 0 10 20
GRAPHIC SCALE
SCALE 1" - 10'

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405 310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103 415.838.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025 310.254.2263

REGISTERED PROFESSIONAL ENGINEER JEFFREY C. FRANKLIN No. C36079 Exp. 6/30/20 CIVIL STATE OF CALIFORNIA

CONSULTANT
MCA ENGINEERS INC CIVIL • STRUCTURAL
1041 S. Garfield Avenue, Suite #210
Alhambra. CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
DATE DEC 7 2018

KEY PLAN
K A C D B E
PROJECT NORTH

**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
SITE DEMOLITION PLAN

DSK JOB NO: 17012B

SHEET NUMBER
CD-1.0

DRAFTER: Author PM: JL REVIEWER: JF

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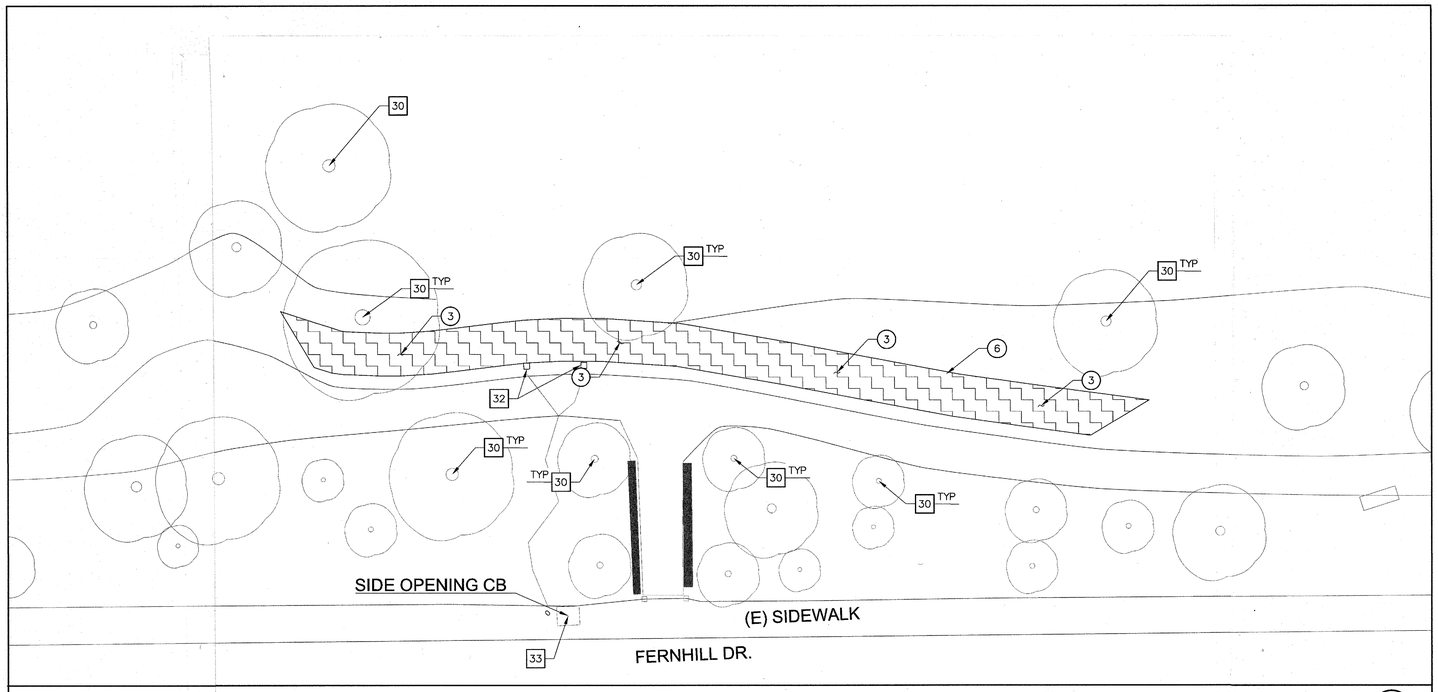
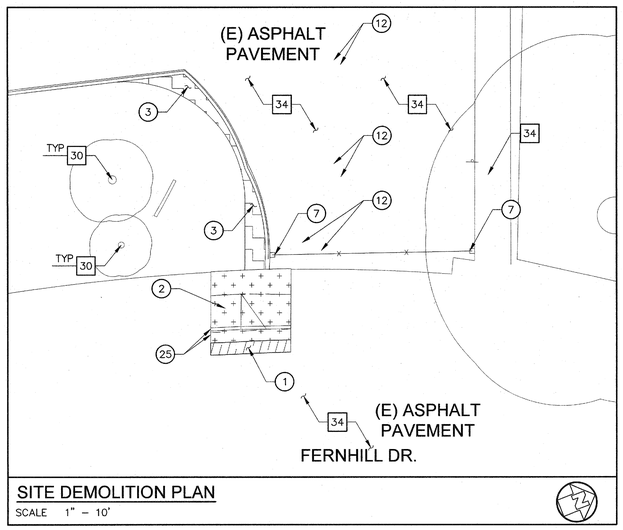



SITE DEMOLITION PLAN

SCALE 1" – 10'

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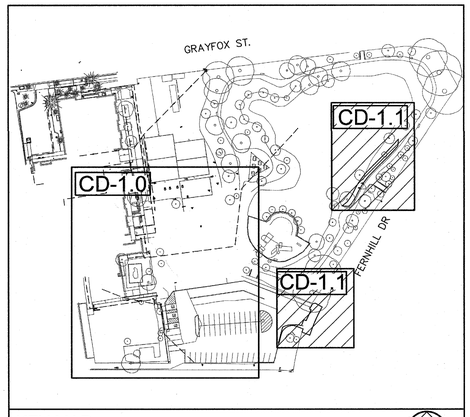


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PROJECT NAME

# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

FILE NUMBER: 19-96

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
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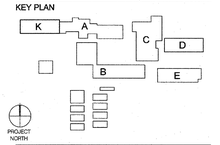
APPROVED
Date: DEC 7 1 2018

KEY PLAN




**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE

SITE DEMOLITION PLAN

DSK JOB NO: 170128

SHEET NUMBER

CD-1.1

DRAFTER: Author PM: JL REVIEWER: JF

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## GENERAL NOTES:

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:
   A. PROJECT SPECIFICATIONS.
   B. ALL SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AND AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
   C. SANTA MONICA MALIBU UNIFIED SCHOOL DISTRICT STANDARDS AND SPECIFICATIONS.
   D. CALIFORNIA BUILDING CODE, 2016.
2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK SPECIFIED ON THE DRAWINGS AND WITHIN THE VARIOUS NOTES SHOWN HEREIN.
3. THE EXISTING CONDITIONS SHOWN DIAGRAMMATICALLY ON THE PLANS ORIGINATED FROM AS BUILT DRAWINGS AND FIELD SURVEY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE JOB SITE AND VERIFY THE EXACT EXISTING CONDITIONS UNLESS CONCEALED BEFORE SUBMITTING HIS BID. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT/CPM USING THE PROPER REQUEST FOR INFORMATION FORMS PRIOR TO SUBMITTING HIS BID FOR PROPER ACTION.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES IN THE AREA OF WORK WHICH ARE NOT INCLUDED IN THIS CONSTRUCTION. ANY DAMAGE RESULTING FROM THIS WORK SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

   PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS:
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK PER SECTION 7-9 OF THE STANDARD SPECIFICATIONS.

   REMOVALS:
6. EXISTING STRUCTURES AND SUBSTRUCTURES WHICH ARE INDICATED TO BE REMOVED IN THESE CONSTRUCTION DOCUMENTS SHALL BE TOTALLY REMOVED AND DISPOSED OF OFFSITE, UNLESS OTHERWISE INDICATED. EXISTING FACILITIES WHICH ARE DISCOVERED DURING CONSTRUCTION (INCLUDING WALLS, FOOTINGS AND FOUNDATIONS) SHALL BE REPORTED TO AND COORDINATED WITH THE ARCHITECT/CPM AS TO THEIR REMOVAL. CONTRACTOR WILL NOTIFY THE CPM IN WRITING PRIOR TO COMMENCING THE WORK.
7. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE CPM. SECURE THE REQUIRED PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR THE CONSTRUCTION OF TRENCHES, SHORING OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER OR WORK THAT MAY JEOPARDIZE THE WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR APPROVAL AND PERMITTING.
8. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE CITY AND JURISDICTIONAL AGENCY.
9. ALL FILL OR BACKFILL SHALL BE COMPACTED 95% DENSITY PER ASTM D1557.
10. CONSTRUCTION STAKING AND ADJUSTMENTS FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE CONTRACT.
11. VOIDS RESULTING FROM REMOVAL WORK SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE OWNER RETAINED GEOTECHNICAL ENGINEER AND COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D-1557.
12. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE CPM AS APPLICABLE.
13. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.
14. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
15. GRADE LAWN, TURF, AND PLANTING AREA 1-1/2" BELOW DESIGN GRADES INDICATED.
16. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA. INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
17. IF EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST UNDER THE ROUGH GRADING SITE, CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATES THEIR LOCATION, TYPE OF UTILITY, SIZE, PIPE MATERIAL AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT LINES AND AT BENDS.
18. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
19. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.
20. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE INSPECTOR OF RECORD UPON REQUEST.
21. A COPY OF THE GRADING PERMIT AND APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
22. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY A LICENSED SURVEYOR, PRIOR TO GRADING, AS REQUESTED BY THE INSPECTOR OF RECORD, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.
23. IF GRADING AUTHORIZED BY THIS PLAN IS TO EXTEND THROUGH THE RAINY SEASON, OCTOBER 1 THROUGH APRIL 15 OF THE FOLLOWING YEAR, SEPARATE UPDATED PLANS FOR EROSION CONTROL MUST BE SUBMITTED PRIOR TO OCTOBER TO THE CITY ENGINEER FOR APPROVAL. CONTRACTOR TO PROVIDE STORM WATER PREVENTION PLAN, PRE-CONSTRUCTION AND POST CONSTRUCTION BMPs AND UPDATE FROM TIME TO TIME TO COMPLY WITH THE REQUIREMENTS.
24. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. FENCING SHALL BE MINIMUM 6' TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES.
25. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUND WATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.
26. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
27. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE OWNER WITH A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. ALL FIELD CHANGES SHALL BE SHOWN IN DETAIL ON THE "AS-BUILT" DRAWINGS AND SHALL INCORPORATE AS A MINIMUM, NEW ELEVATIONS, GRADES AND ALIGNMENT OF UNDERGROUND FACILITIES WITH DIMENSIONAL TIES TO BUILDINGS OR OTHER VISIBLE IMPROVEMENTS.
28. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.

## ABBREVIATIONS CONT.:

| | |
|---|---|
| AIR CONDITIONING | A/C |
| ASPHALTIC CONCRETE | AC |
| BUILDING | BLDG |
| BACK OF SIDEWALK | BSW |
| BOTTOM OF BOTTOM STEPS | BBS |
| BOTTOM | BOT |
| BOTTOM OF WALL | BWAL |
| CEMENT CONCRETE | CC, CONC |
| CATCH BASIN | CB |
| CHAIN LINK | C/L, ℄ |
| CURB DRAIN | CD |
| CLEAN OUT | CO |
| COMMUNICATION | COMM |
| DOWN SPOUT | DS |
| DRINKING FOUNTAIN | DF |
| DRY WELL | DW |
| EDGE OF GUTTER | EG |
| ELECTRIC PULL BOX | EPB |
| ELECTRICAL | ELEC |
| ELECTRICAL, COMM PANEL | E-PNL |
| FIRE ALARM | FA |
| FLAGPOLE | FP |
| FLOOR DRAIN | FD |
| FLOWLINE | FL |
| FINISH FLOOR | FF |
| FINISHED SURFACE | FS |
| GRADE BREAK | GB |
| GROUND PULL BOX | GPB |
| GATE POST | GP |
| GROUND | GRD |
| HEATING, VENTILATION & AIR CONDITIONING | HVAC |
| IRRIGATION | IRR |
| IRRIGATION CONTROL VALVE | ICV |
| LOS ANGELES COUNTRY WATER WORKS DISTRICTS | LACWWD |
| LIGHT POST | LP |
| METAL STORAGE CONTAINER | MSC |
| MOWING STRIP | MS |
| OVER HANG | O/H |
| PANEL BOX | PNL |
| PARKING METER | PM |
| PATTERED CONCRETE | PCC |
| PLANTER AREA | PA |
| PULL BOXES | PB |
| POWER POLE | PP |
| POWER | PWR |
| REMOTE CONTROL VALVE | RCV |
| SEWER CLEAN OUT | SCO |
| SIGNAL | SIG |
| STREET LIGHT PULL BOX | SLPB |
| STREET LIGHT | SL |
| STREET SIGN | SS |
| STEEL POST | SP |
| SEWER | SWR |
| SEWER PULL BOX | SPB |
| TABLES AND CHAIRS | T,C |
| TELEPHONE | TEL |
| TRUNCATED DOME PADS | TDP |
| THRESHOLD | TH |
| TOP OF CURB | TC |
| TOP OF BOTTOM STEPS | TBS |
| TOP OF TOP STEPS | TTS |
| TOP OF WALL | TW |
| UTILITY | UTL |
| VAULT | VLT |
| WATER | WTR,W |
| WATER PULL BOX | WPB |
| WATER FAUCET | WF |
| WATER VALVE, METER | WV,WM |
| YARD BOX | YB |

## LEGEND:

REMOVE EXISTING AC PAVEMENT AND BASE MATERIAL, FULL DEPTH

REMOVE EXISTING CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH

CLEAR, GRUB AND REMOVE EXISTING TURF/ PLANTER/ SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY

REMOVE EXISTING RUBBER PLAY SURFACE

REMOVE EXISTING SAND AREA

CONCRETE PAVEMENT

ASPHALT PAVEMENT OVER CRUSHED MISCELLANEOUS BASE

NEW PLANTER AREA

CRUSHED STONE/GRAVEL PAD

COMPACTED GROUND PATH

LIMIT-REMOVAL ----------

BUILDING LINE ----------

CENTER LINE ----------

FLOWLINE ----------

CHAIN LINK FENCE ----------

EXISTING CONTOUR LINE ---------- 664.50

CONCRETE WALL ----------

STEEL PLATE ----------

WROUGHT IRON FENCE ----------

GUARD RAIL ----------

TREE ----------

PINE TREE ----------

PALM TREE ----------

FIRE HYDRANT ----------

EXISTING GRADE ELEVATION ---------- (1180.5)

FINISHED GRADE ELEVATION ---------- 185.28

GRADE BREAK ---------- GB

DRAIN ----------

FIRE DEPARTMENT CONNECTION --------- FDC

VALVE ----------

## SHEET INDEX:


| SHEET NO. | SHEET NAME |
|---|---|
| C-1.0 | GENERAL NOTES, LEGEND AND ABBREVIATIONS |
| CD-1.0 | SITE DEMOLITION PLAN |
| CD-1.1 | SITE DEMOLITION PLAN |
| C-2.0 | SITE CONTROL PLAN |
| C-2.1 | SITE CONTROL PLAN |
| C-3.0 | SITE GRADING PLAN |
| C-3.1 | GRADING SECTION |
| C-3.2 | GRADING SECTION |
| C-3.3 | GRADING SECTION |
| C-3.4 | GRADING SECTION |
| C-3.5 | GRADING SECTION |
| C-4.0 | SITE UTILITY PLAN |
| C-4.1 | SITE UTILITY PLAN |
| C-5.0 | MISCELLANEOUS DETAILS |
| C-5.1 | MISCELLANEOUS DETAILS |
| C-5.2 | MISCELLANEOUS DETAILS |
| C-5.3 | MISCELLANEOUS DETAILS |
| C-6.0 | EROSION CONTROL DETAIL |
| C-6.1 | EROSION CONTROL DETAIL |


## PROPERTY OWNER:

POINT DUME ELEMENTARY SCHOOL
6955 FERNHILL DR
MALIBU, CA 90265

## CIVIL ENGINEER:

VCA ENGINEERS, INC.
1041 S. GARFIELD AVENUE, SUITE #210,
ALHAMBRA, CA 91801
(323) 729-6098

## JOB ADDRESS:

6955 FERNHILL DR
MALIBU, CA 90265

## SURVEY NOTES:

THIS SURVEY HAS BEEN PREPARED FOR LIMITED DESIGN PURPOSES

1. BEFORE USING THIS MAP FOR DESIGN OR CONSTRUCTION PURPOSES, ALL EASEMENTS OF RECORD AND SETBACK LINES DEFINED IN COVENANTS, CONDITIONS AND RESTRICTIONS OF RECORD AFFECTING THIS PROPERTY SHOULD BE PLOTTED ON THIS MAP FROM A CURRENT TITLE REPORT. IF NO TITLE REPORT WAS FURNISHED, OUR CLIENT IS URGED TO FURNISH A CURRENT TITLE REPORT SO THAT THESE EASEMENT AND SETBACK LINES OF RECORD CAN BE PLOTTED ON THIS MAP.
2. THIS MAP SHOULD BE EXPANDED TO MEET ALTA REQUIREMENTS IF FINANCING IS TO BE OBTAINED FOR THE PROJECT, REQUIRING AN EXTENDED COVERAGE POLICY OF TITLE INSURANCE.
3. THIS SURVEY DOES NOT INCLUDE EASEMENT EXCEPT THOSE SPECIFICALLY DELINEATED HEREON.
4. IF UNDERGROUND PUBLIC UTILITIES AND OTHER SUBSTRUCTURES, ZONES, SET BACK AND STREET WIDENING DATA ARE SHOWN HEREON. IT IS FOR INFORMATION ONLY, HAVING BEEN OBTAINED FROM A GENERAL REQUEST AT THE LOCAL AGENCY'S PUBLIC COUNTER AND/OR OTHER SOURCES NOT CONNECTED WITH THIS COMPANY. NO REPRESENTATION AND ANY USERS OF SAID INFORMATION IS URGED TO CONTACT THE UTILITY OR LOCAL AGENCY DIRECTLY.

## BENCHMARK (BM):

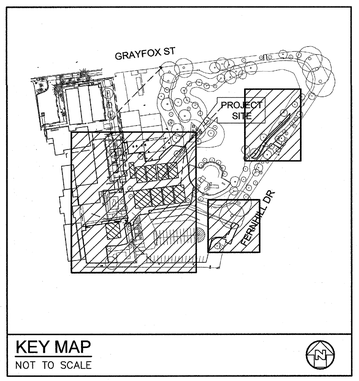
US NATIONAL GEODETIC SURVEY

PID NO: EW4180, EW1593, EW6621, EW4188, EW4106, EW4113, EW4205, EW4212 AE1725, AE1722

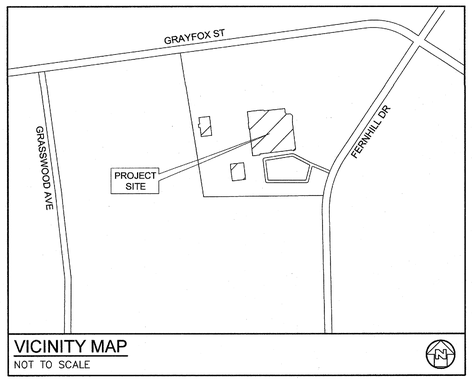
## SURVEY SOURCE:

PSOMAS

555 SOUTH FLOWER STREET, SUITE 4400
LOS ANGELES, CA 90071
(213) 223-1400 (213) 223-1444 FAX
www.psomas.com




KEY MAP
NOT TO SCALE




VICINITY MAP
NOT TO SCALE


SMMUSD
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REGISTERED PROFESSIONAL ENGINEER — No. C36079 — Exp. 6/30/20 — CIVIL — STATE OF CALIFORNIA


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Tel. 323.729.6098 Fax. 323.729.6043

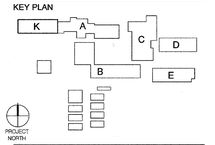

PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS Date: DEC 7 2018 FLS SSS

KEY PLAN




**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
GENERAL NOTES, LEGEND & ABBREVIATIONS

DSK JOB NO: 170128

SHEET NUMBER
C-1.0

DRAFTER: Author PM: JL REVIEWER: JF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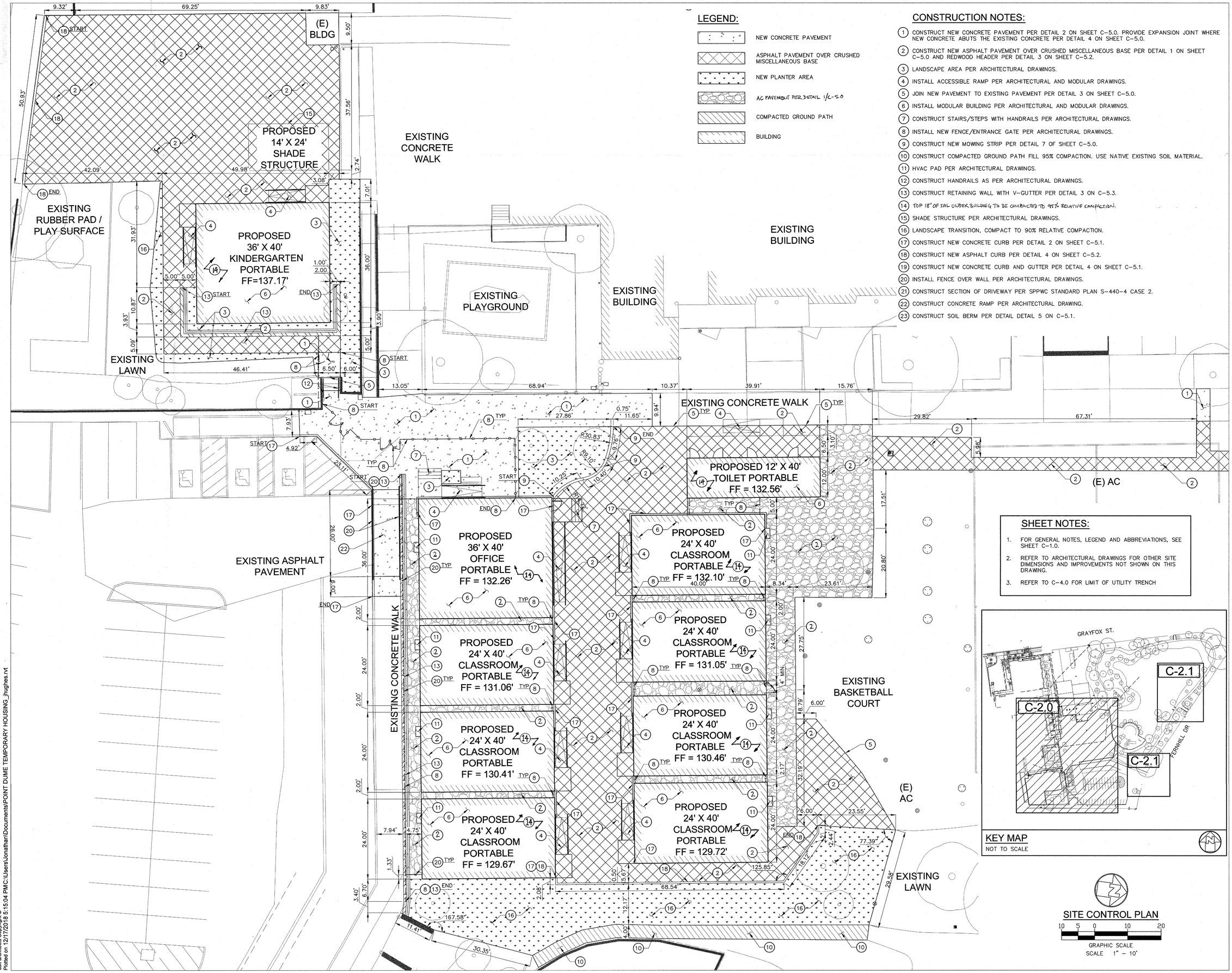


## LEGEND:

- NEW CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVER CRUSHED MISCELLANEOUS BASE
- NEW PLANTER AREA
- AC PAVEMENT PER DETAIL 1/C-5.0
- COMPACTED GROUND PATH
- BUILDING

## CONSTRUCTION NOTES:

1. CONSTRUCT NEW CONCRETE PAVEMENT PER DETAIL 2 ON SHEET C-5.0. PROVIDE EXPANSION JOINT WHERE NEW CONCRETE ABUTS THE EXISTING CONCRETE PER DETAIL 4 ON SHEET C-5.0.
2. CONSTRUCT NEW ASPHALT PAVEMENT OVER CRUSHED MISCELLANEOUS BASE PER DETAIL 1 ON SHEET C-5.0 AND REDWOOD HEADER PER DETAIL 3 ON SHEET C-5.2.
3. LANDSCAPE AREA PER ARCHITECTURAL DRAWINGS.
4. INSTALL ACCESSIBLE RAMP PER ARCHITECTURAL AND MODULAR DRAWINGS.
5. JOIN NEW PAVEMENT TO EXISTING PAVEMENT PER DETAIL 3 ON SHEET C-5.0.
6. INSTALL MODULAR BUILDING PER ARCHITECTURAL AND MODULAR DRAWINGS.
7. CONSTRUCT STAIRS/STEPS WITH HANDRAILS PER ARCHITECTURAL DRAWINGS.
8. INSTALL NEW FENCE/ENTRANCE GATE PER ARCHITECTURAL DRAWINGS.
9. CONSTRUCT NEW MOWING STRIP PER DETAIL 7 OF SHEET C-5.0.
10. CONSTRUCT COMPACTED GROUND PATH FILL 95% COMPACTION. USE NATIVE EXISTING SOIL MATERIAL.
11. HVAC PAD PER ARCHITECTURAL DRAWINGS.
12. CONSTRUCT HANDRAILS AS PER ARCHITECTURAL DRAWINGS.
13. CONSTRUCT RETAINING WALL WITH V-GUTTER PER DETAIL 3 ON C-5.3.
14. TOP 18" OF SOIL UNDER BUILDING TO BE COMPACTED TO 95% RELATIVE COMPACTION.
15. SHADE STRUCTURE PER ARCHITECTURAL DRAWINGS.
16. LANDSCAPE TRANSITION, COMPACT TO 90% RELATIVE COMPACTION.
17. CONSTRUCT NEW CONCRETE CURB PER DETAIL 2 ON SHEET C-5.1.
18. CONSTRUCT NEW ASPHALT CURB PER DETAIL 4 ON SHEET C-5.2.
19. CONSTRUCT NEW CONCRETE CURB AND GUTTER PER DETAIL 4 ON SHEET C-5.1.
20. INSTALL FENCE OVER WALL PER ARCHITECTURAL DRAWINGS.
21. CONSTRUCT SECTION OF DRIVEWAY PER SPPWC STANDARD PLAN S-440-4 CASE 2.
22. CONSTRUCT CONCRETE RAMP PER ARCHITECTURAL DRAWING.
23. CONSTRUCT SOIL BERM PER DETAIL DETAIL 5 ON C-5.1.

## SHEET NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C-1.0.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.
3. REFER TO C-4.0 FOR LIMIT OF UTILITY TRENCH




KEY MAP
NOT TO SCALE

## SITE CONTROL PLAN

10 5 0 10 20
GRAPHIC SCALE
SCALE 1" = 10'

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405 310.399.5865

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REGISTERED PROFESSIONAL ENGINEER JEFFREY L. FRANKEL No. C36079 Exp. 6/30/20 CIVIL STATE OF CALIFORNIA

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Tel. 323.729.6098 Fax. 323.729.6043

PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACC FLS SSS
Date 1/2/18

KEY PLAN
K A C D B E
PROJECT NORTH

**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
DSK JOB NO: 17012B
SITE CONTROL PLAN

SHEET NUMBER
C-2.0

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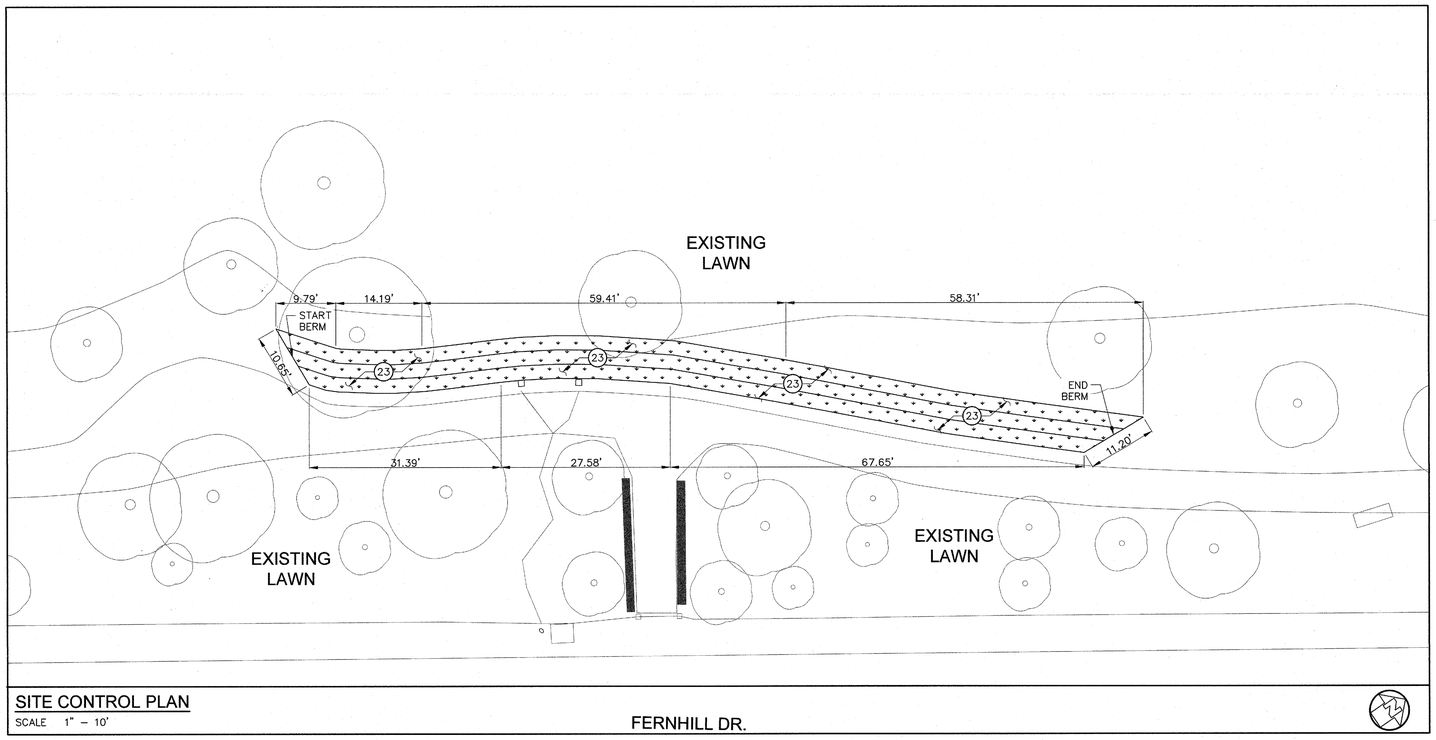



## SITE CONTROL PLAN

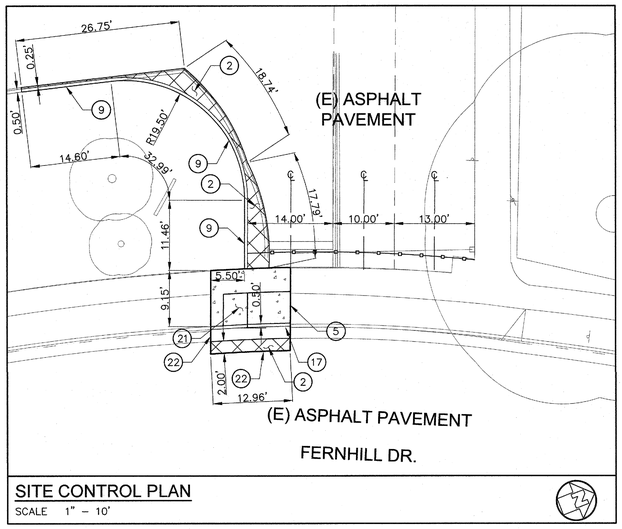
SCALE 1" – 10'

## CONSTRUCTION NOTES:

1. CONSTRUCT NEW CONCRETE PAVEMENT PER DETAIL 2 ON SHEET C–5.0. PROVIDE EXPANSION JOINT WHERE NEW CONCRETE ABUTS THE EXISTING CONCRETE PER DETAIL 4 ON SHEET C–5.0.
2. CONSTRUCT NEW ASPHALT PAVEMENT OVER CRUSHED MISCELLANEOUS BASE PER DETAIL 1 ON SHEET C–5.0 AND REDWOOD HEADER PER DETAIL 3 ON SHEET C–5.2.
3. LANDSCAPE AREA PER ARCHITECTURAL DRAWINGS.
4. INSTALL ACCESSIBLE RAMP PER ARCHITECTURAL AND MODULAR DRAWINGS.
5. JOIN NEW PAVEMENT TO EXISTING PAVEMENT PER DETAIL 3 ON SHEET C–5.0.
6. INSTALL MODULAR BUILDING PER ARCHITECTURAL AND MODULAR DRAWINGS.
7. CONSTRUCT STAIRS/STEPS WITH HANDRAILS PER ARCHITECTURAL DRAWINGS.
8. INSTALL NEW FENCE/ENTRANCE GATE PER ARCHITECTURAL DRAWINGS.
9. CONSTRUCT NEW MOWING STRIP PER DETAIL 7 OF SHEET C–5.0.
10. CONSTRUCT COMPACTED GROUND PATH FILL 95% COMPACTION. USE NATIVE EXISTING SOIL MATERIAL.
11. HVAC PAD PER ARCHITECTURAL DRAWINGS.
12. CONSTRUCT HANDRAILS AS PER ARCHITECTURAL DRAWINGS.
13. CONSTRUCT RETAINING WALL WITH V–GUTTER PER DETAIL 3 ON C–5.3.
14. CRUSHED STONE/GRAVEL PAD UNDER MODULAR BUILDINGS, COMPACTED TO 95% RELATIVE COMPACTION.
15. SHADE STRUCTURE PER ARCHITECTURAL DRAWINGS.
16. LANDSCAPE TRANSITION, COMPACT TO 90% RELATIVE COMPACTION.
17. CONSTRUCT NEW CONCRETE CURB PER DETAIL 2 ON SHEET C–5.1.
18. CONSTRUCT NEW ASPHALT CURB PER DETAIL 4 ON SHEET C–5.2.
19. CONSTRUCT NEW CONCRETE CURB AND GUTTER PER DETAIL 4 ON SHEET C–5.1.
20. INSTALL FENCE OVER WALL PER ARCHITECTURAL DRAWINGS.
21. CONSTRUCT SECTION OF DRIVEWAY PER SPPWC STANDARD PLAN S–440–4 CASE 2.
22. CONSTRUCT CONCRETE RAMP PER ARCHITECTURAL DRAWING.
23. CONSTRUCT SOIL BERM PER DETAIL DETAIL 5 ON C–5.1.

## LEGEND:

- NEW CONCRETE PAVEMENT
- ASPHALT PAVEMENT OVER CRUSHED MISCELLANEOUS BASE
- NEW PLANTER AREA
- CRUSHED STONE/GRAVEL PAD
- COMPACTED GROUND PATH
- BUILDING

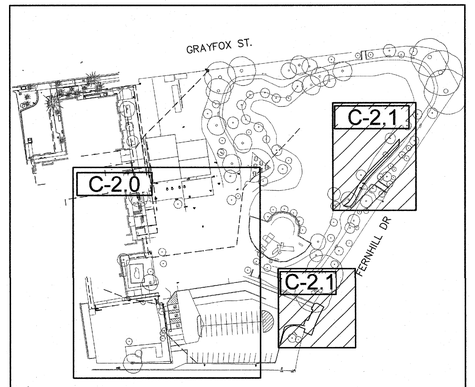



## SITE CONTROL PLAN

SCALE 1" – 10'

## SHEET NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C–1.0.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.
3. REFER TO C–4.0 FOR LIMIT OF UTILITY TRENCH




## KEY MAP

NOT TO SCALE

10 5 0 10 20

GRAPHIC SCALE

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405 310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103 415.839.6418 / Fax 415.839.7584
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REGISTERED PROFESSIONAL ENGINEER — No. C36079 Exp. 6/30/20 CIVIL — STATE OF CALIFORNIA

CONSULTANT
MCA ENGINEERS INC
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1041 S. Garfield Avenue, Suite #210
Alhambra. CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

PROJECT NAME

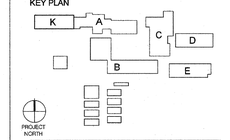
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS PLS SSS
Date DEC 1 1 2018

KEY PLAN




**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE

SITE CONTROL PLAN

DSK JOB NO: 170128

SHEET NUMBER

C-2.1

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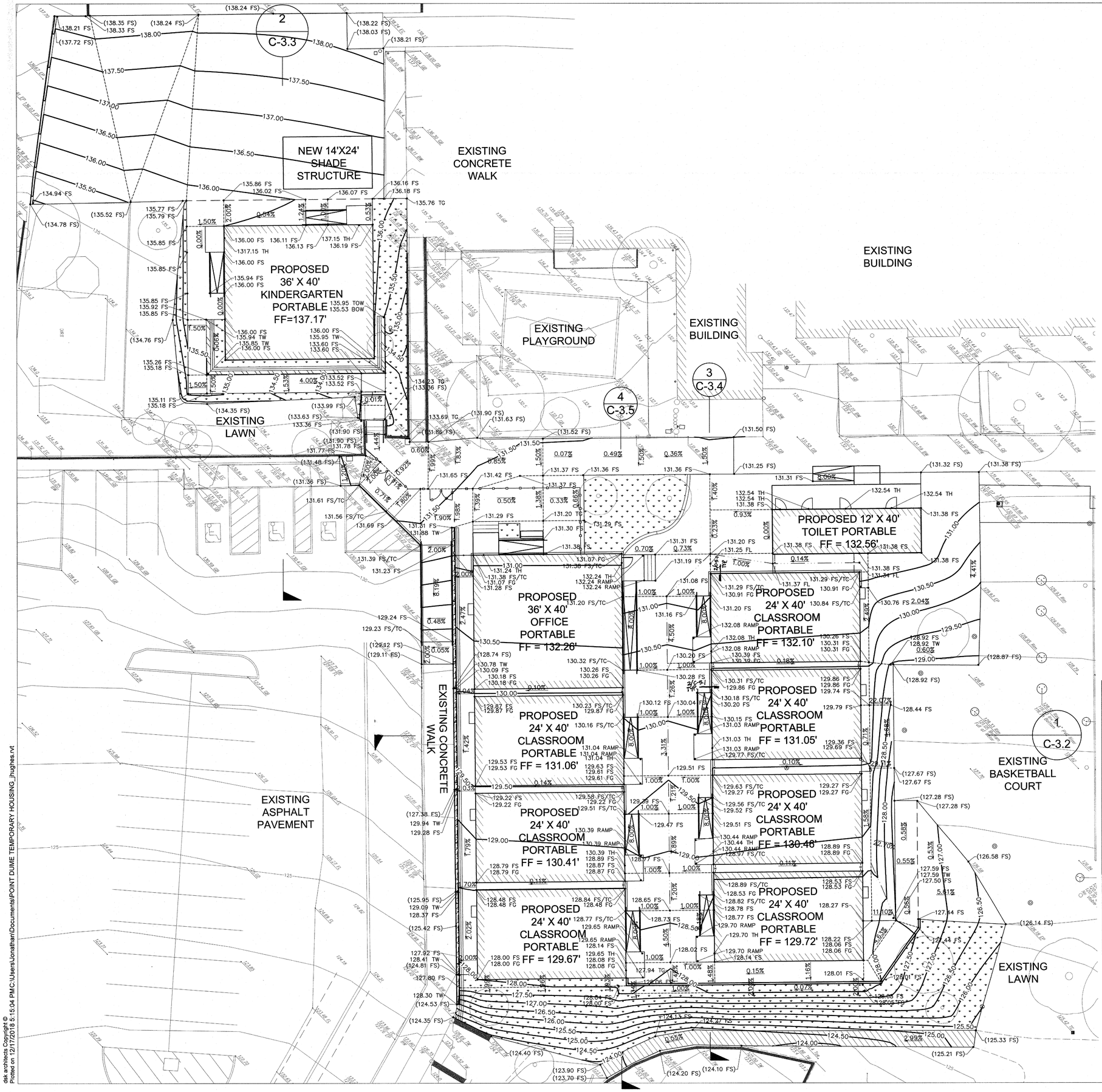



## ESTIMATED EARTHWORK

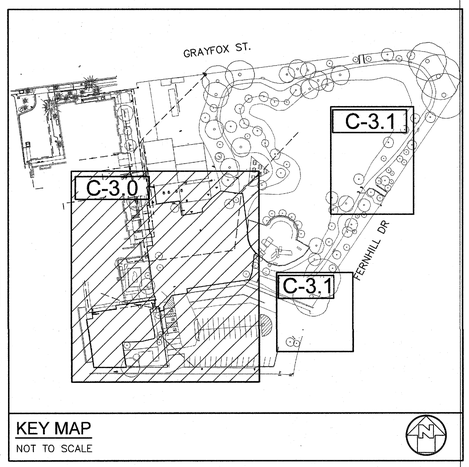
CUT VOLUME: – 11 CU. YD.
FILL VOLUME: – 1422 CU. YD.

NET VOLUME: – 1422 CU. YD. (FILL)

1. THE ESTIMATED QUANTITIES PROVIDED ABOVE ARE FOR REFERENCE ONLY TO BE USED FOR ROUGH GRADE PLANNING.
2. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES IN SURVEY. THE ESTIMATED EARTHWORK DOES NOT CONSIDER THE THICKNESS OF PROPOSED PAVEMENT MATERIAL SECTIONS, FOUNDATION AND SLAB ON GRADE VOLUMES, THE REMOVAL OF ANY UNSUITABLE MATERIAL, AND TOP SOIL OR VEGETATION FROM CLEARING AND GRUBBING.
3. THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE FACTORS DUE TO COMPACTION OR ANY OVER EXCAVATION QUANTITIES.
4. THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK. VCA IS NOT RESPONSIBLE AND LIABLE FOR THE CONTRACTOR'S EARTHWORK CALCULATIONS.
5. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
6. THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE OVEREXCAVATION.

## SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS, SHEET INDEX AND ABBREVIATIONS, SEE SHEET C–1.0.
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
5. CONTRACTOR SHALL VERIFY DEMOLITION PLAN WITH EXISTING CONDITIONS AND REPORT ANY MISSING ITEMS THAT REQUIRE DEMOLITION PRIOR TO BID.




KEY MAP
NOT TO SCALE

SITE GRADING PLAN
10 5 0 10 20
GRAPHIC SCALE
SCALE 1" – 10'

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405 310.399.5865

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PROJECT NAME
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03-119266
ACS FLS SSS
Date: 1.21.18

KEY PLAN
K A C D B E
PROJECT NORTH

**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
SITE GRADING PLAN

DSK JOB NO: 170128

SHEET NUMBER
C-3.0

DRAFTER: Author PM: JL REVIEWER: JF

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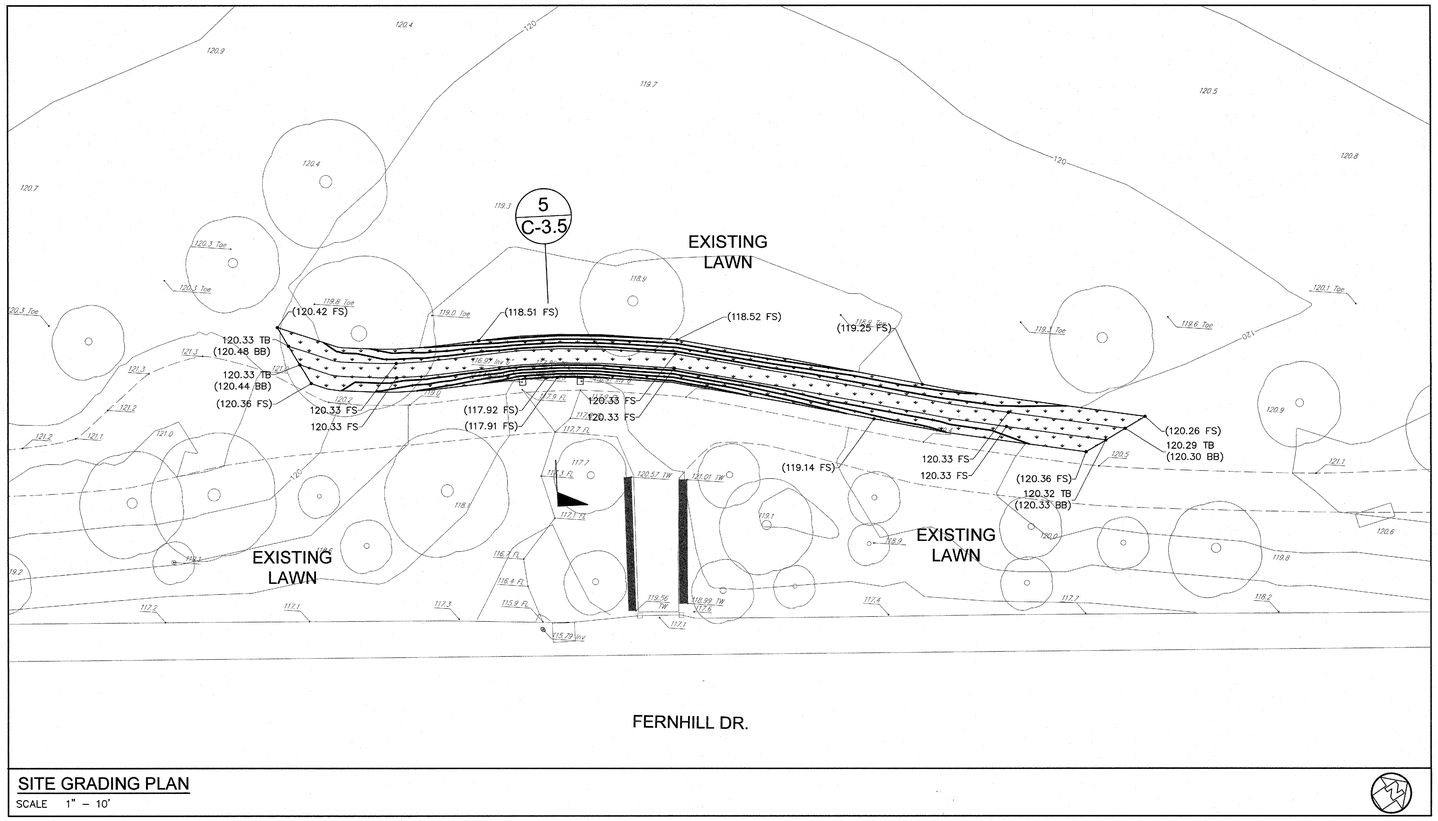


SITE GRADING PLAN
SCALE 1" – 10'

## SHEET NOTES:

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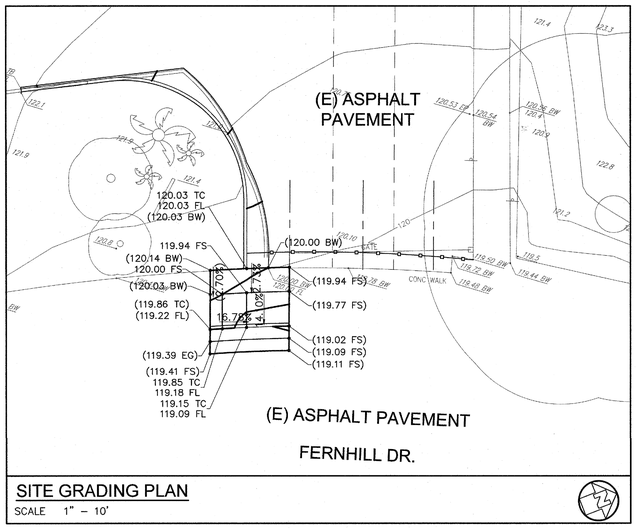
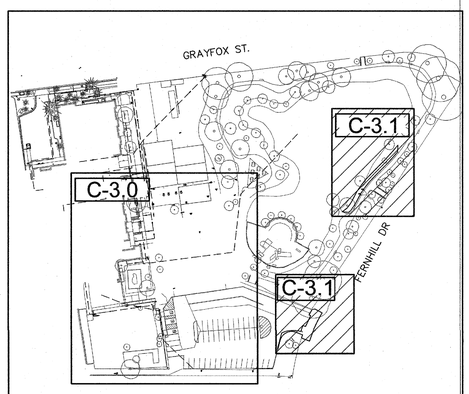
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
5. CONTRACTOR SHALL VERIFY DEMOLITION PLAN WITH EXISTING CONDITIONS AND REPORT ANY MISSING ITEMS THAT REQUIRE DEMOLITION PRIOR TO BID.




SITE GRADING PLAN
SCALE 1" – 10'




KEY MAP
NOT TO SCALE

10 5 0 10 20
GRAPHIC SCALE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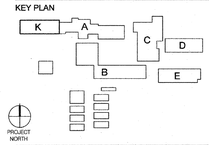
PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS FLS SSS
Date: DEC 2 1 2018

KEY PLAN




PROJECT ISSUE DATE: 2018/12/20

| DATE | NO. | REVISIONS |
|---|---|---|
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SHEET TITLE
DSK JOB NO: 170128
SITE GRADING PLAN

SHEET NUMBER
C-3.1

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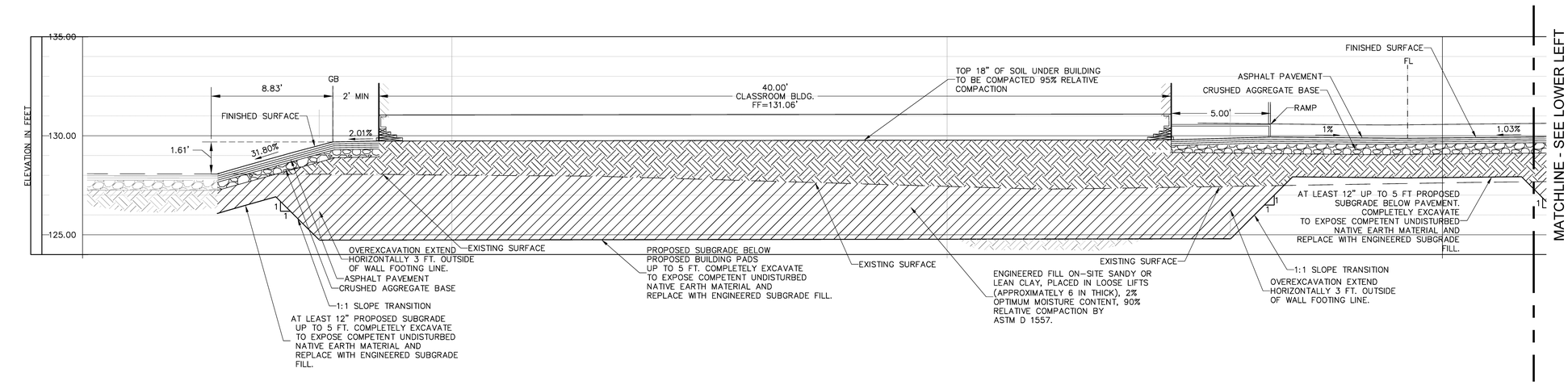
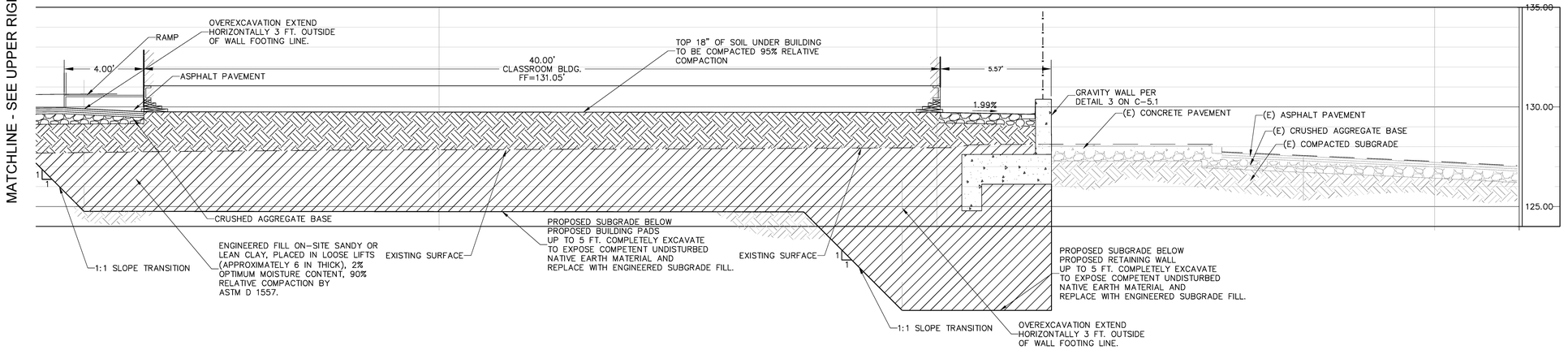
## LEGEND:

IMPORTED ENGINEERED SUBGRADE FILL

REMOVE EXISTING ARTIFICIAL FILL AND REPLACE WITH IMPORTED ENGINEERED SUBGRADE FILL

COMPETENT, FIRM, UNYIELDING, UNDISTURBED NATIVE EARTH MATERIAL




GRADING SECTION 1 / C-3.2
SCALE HOR 1"=2.5' VER 1"=2.5'

NOTE TO PROJECT INSPECTOR: CHANGES HAVE BEEN MADE TO THIS SHEET CONSISTENT WITH THE GEOTECHNICAL REPORT. THESE CHANGES DO NOT IMPACT STRUCTURAL SAFETY, ACCESS COMPLIANCE, OR FIRE - LIFE SAFETY. THEY MAY THUS BE DEEMED A "CCD-B" AND HAVE NOT BEEN SUBMITTED TO DSA VIA FORMAL ADDENDUM, CONSISTENT WITH DSA IR A-6 SECTION 1.2.

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PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
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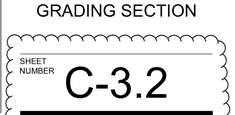
KEY PLAN
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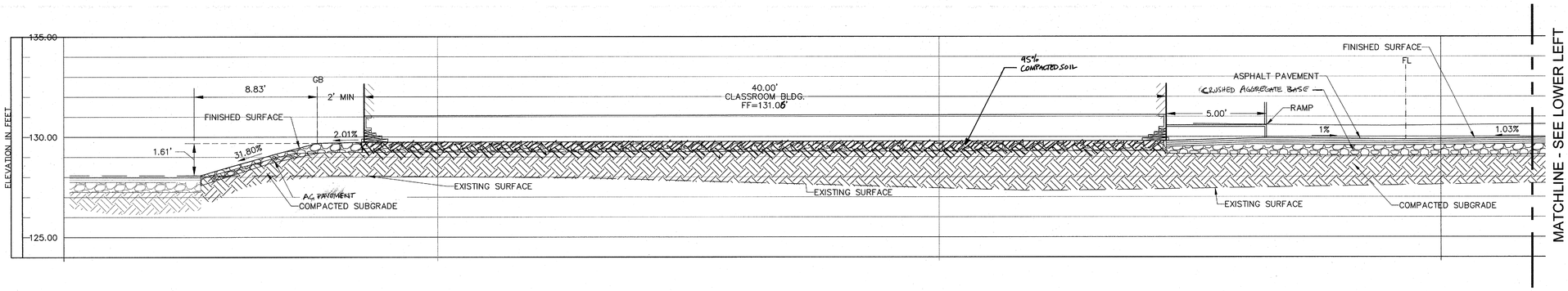
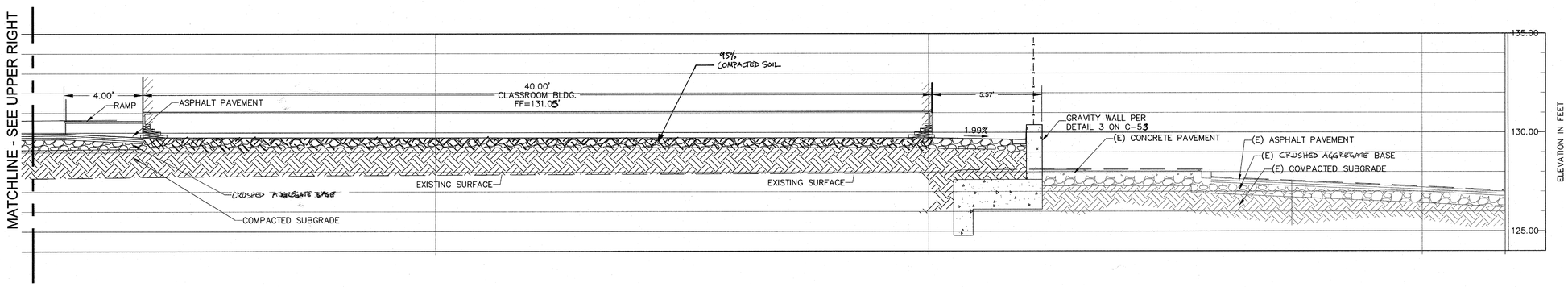
SHEET TITLE
GRADING SECTION

DSK JOB NO: 17012B

SHEET NUMBER
C-3.2

DRAFTER: Author PM: JL REVIEWER: JF




## GRADING SECTION

SCALE HOR 1"=2.5' VER 1"=2.5'

1 / C-3.2

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PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

FILE NUMBER: 19-96
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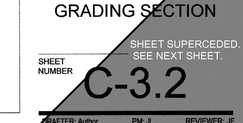
Date: DEC 7 1 2018

KEY PLAN

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SHEET TITLE
GRADING SECTION

DSK JOB NO: 170128

SHEET NUMBER
C-3.2

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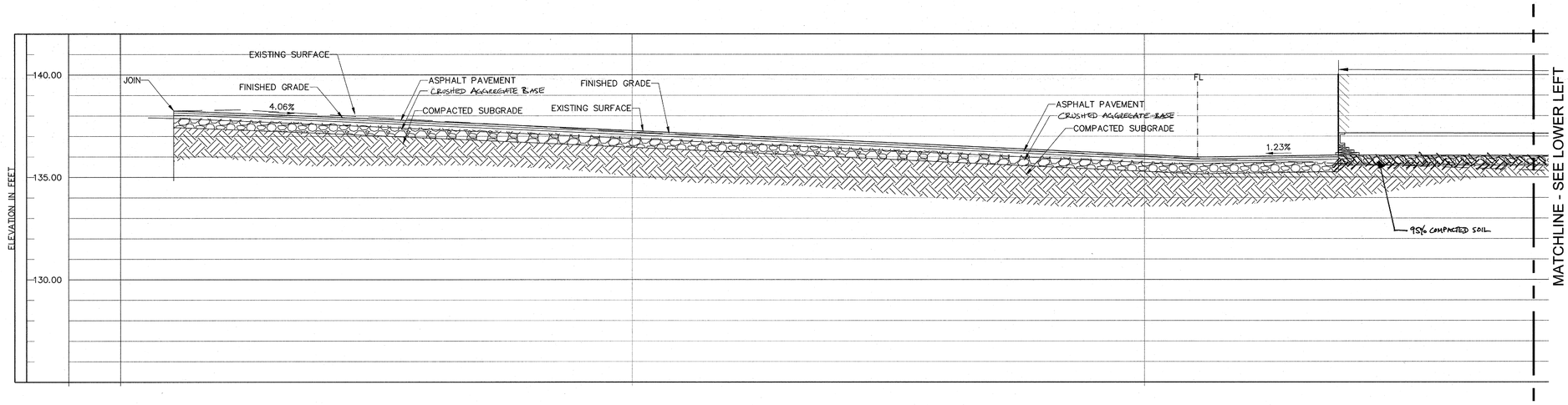


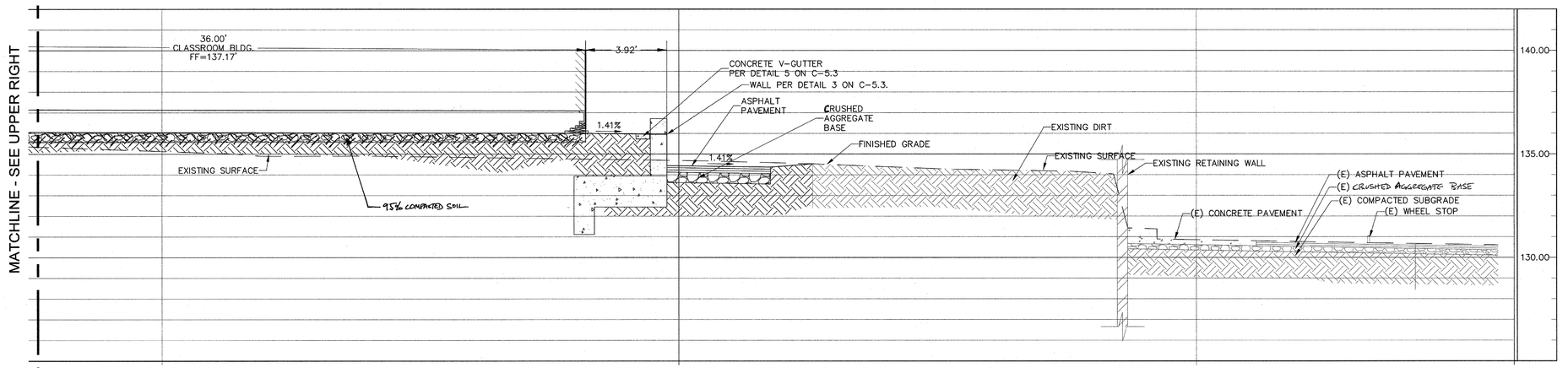


GRADING SECTION 2
SCALE HOR 1"=2.5' VER 1"=2.5' C-3.3

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PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
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KEY PLAN

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**PROJECT ISSUE DATE: 2018/12/20**

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SHEET TITLE
GRADING SECTION

DSK JOB NO: 17012B

SHEET NUMBER
SHEET SUPERCEDED. SEE NEXT SHEET.
C-3.3

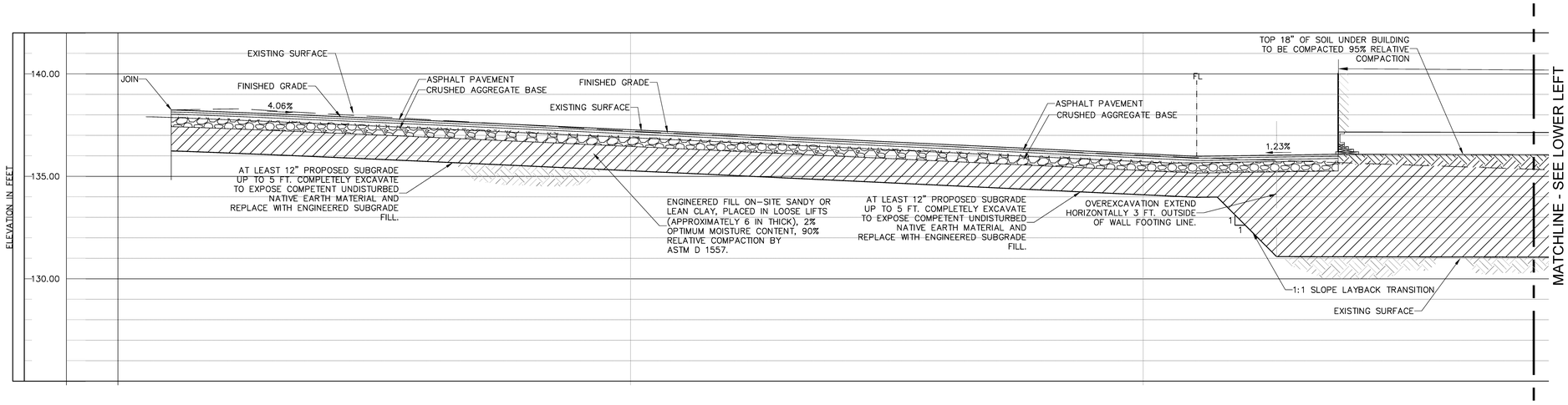
DRAFTER: Author PM: JL REVIEWER: JF

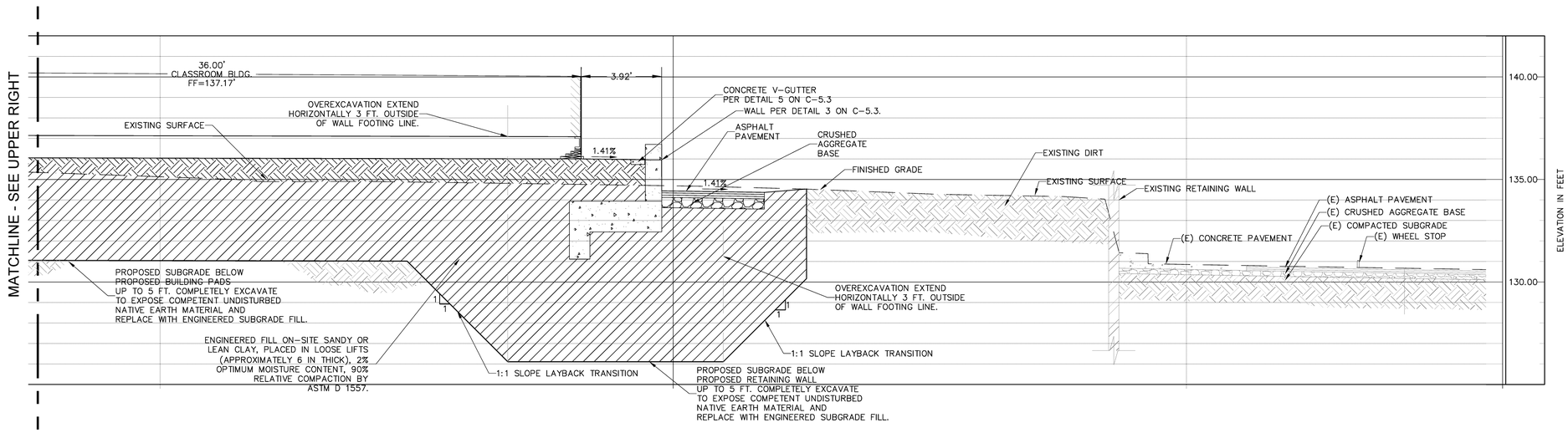
## LEGEND:

IMPORTED ENGINEERED SUBGRADE FILL

REMOVE EXISTING ARTIFICIAL FILL AND REPLACE WITH IMPORTED ENGINEERED SUBGRADE FILL

COMPETENT, FIRM, UNYIELDING, UNDISTURBED NATIVE EARTH MATERIAL




GRADING SECTION
SCALE HOR 1"=1' VER 1"=1'

2
C-3.0

NOTE TO PROJECT INSPECTOR: CHANGES HAVE BEEN MADE TO THIS SHEET CONSISTENT WITH THE GEOTECHNICAL REPORT. THESE CHANGES DO NOT IMPACT STRUCTURAL SAFETY, ACCESS COMPLIANCE, OR FIRE - LIFE SAFETY. THEY MAY THUS BE DEEMED A "CCD-B" AND HAVE NOT BEEN SUBMITTED TO DSA VIA FORMAL ADDENDUM, CONSISTENT WITH DSA IR A-6 SECTION 1.2.

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PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS_____ FLS_____ SSS_____
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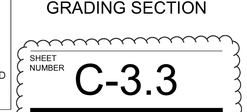
KEY PLAN

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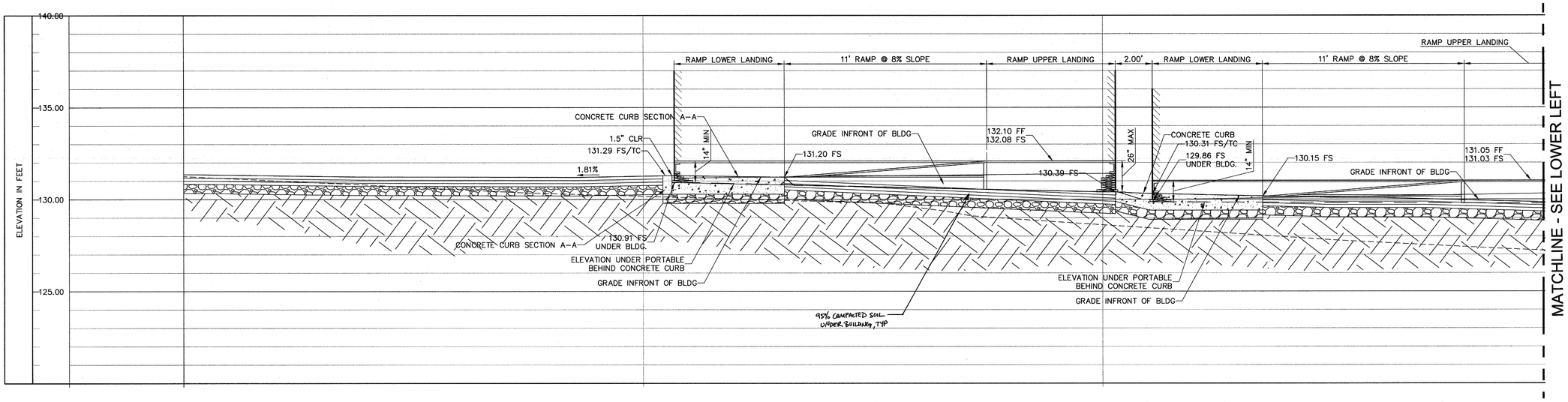
SHEET TITLE

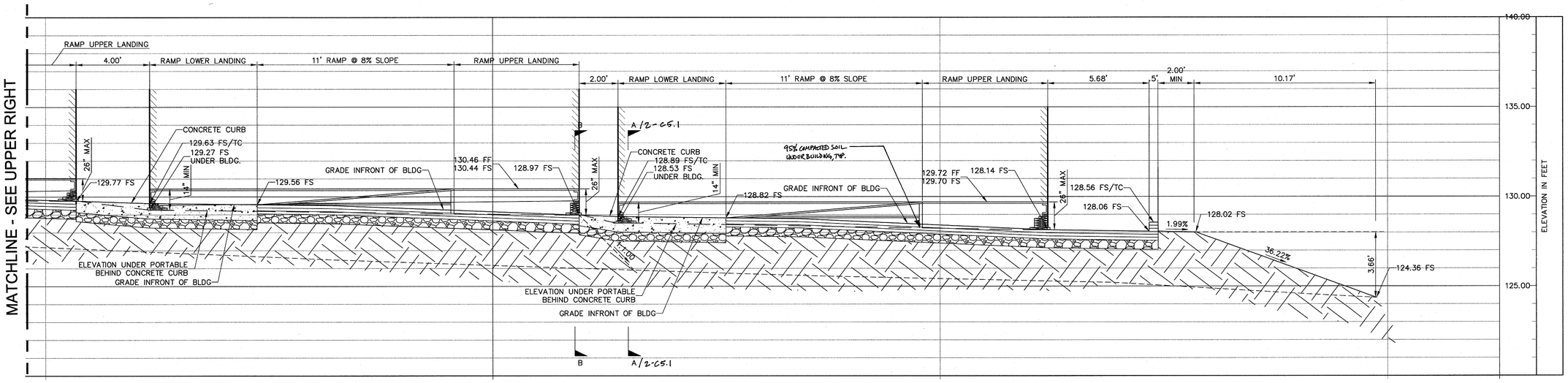
DSK JOB NO: 17012B

GRADING SECTION

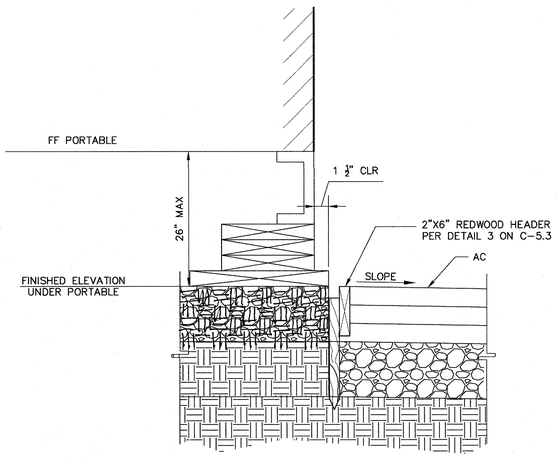
SHEET NUMBER
C-3.3

DRAFTER: Author PM: JL REVIEWER: JF




## GRADING SECTION 3
SCALE HOR 1"=2.5' VER 1"=2.5' C-3.4




## SECTION B-B

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Alhambra, CA 91801
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PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
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PROJECT ISSUE DATE: 2018/12/20

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SHEET TITLE
GRADING SECTION

DSK JOB NO: 170128

SHEET NUMBER
C-3.4
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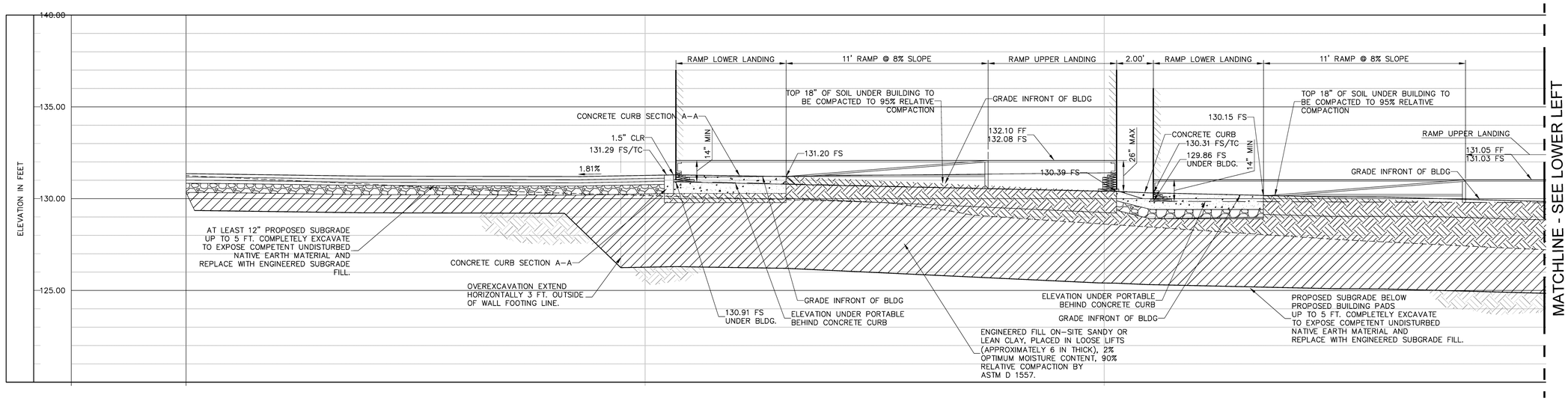
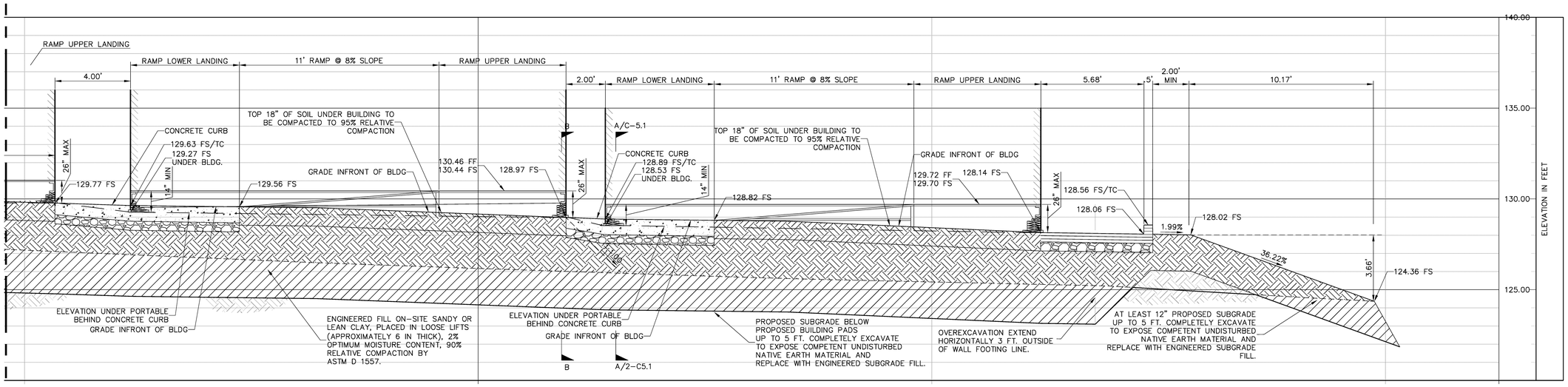



## GRADING SECTION 3 C-3.4

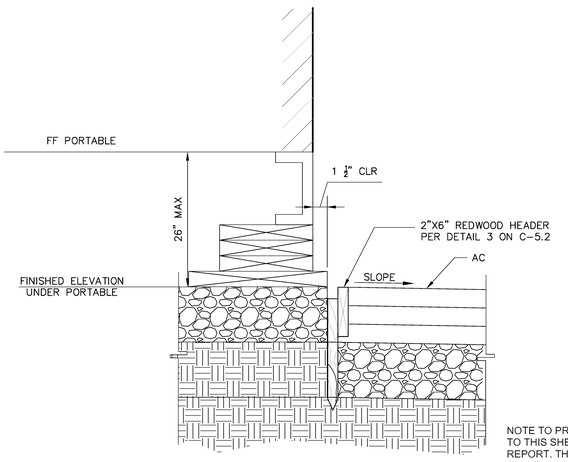
SCALE HOR 1"=2.5' VER 1"=2.5'

## LEGEND:

IMPORTED ENGINEERED SUBGRADE FILL

REMOVE EXISTING ARTIFICIAL FILL AND REPLACE WITH IMPORTED ENGINEERED SUBGRADE FILL

COMPETENT, FIRM, UNYIELDING, UNDISTURBED NATIVE EARTH MATERIAL




## SECTION B-B

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Alhambra. CA 91801
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PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

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**PROJECT ISSUE DATE: 2018/12/20**

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SHEET TITLE

DSK JOB NO: 17012B

GRADING SECTION

SHEET NUMBER
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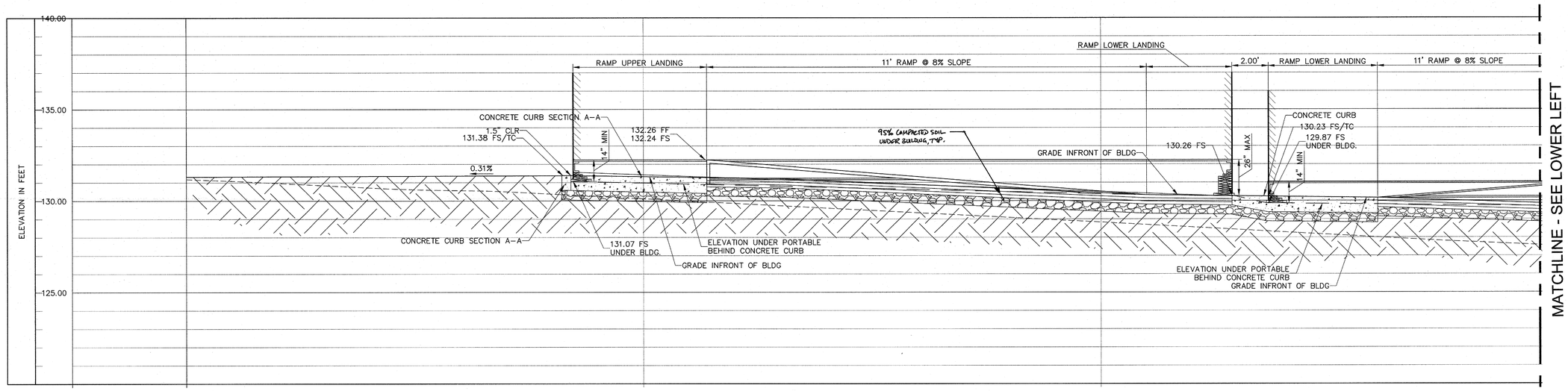


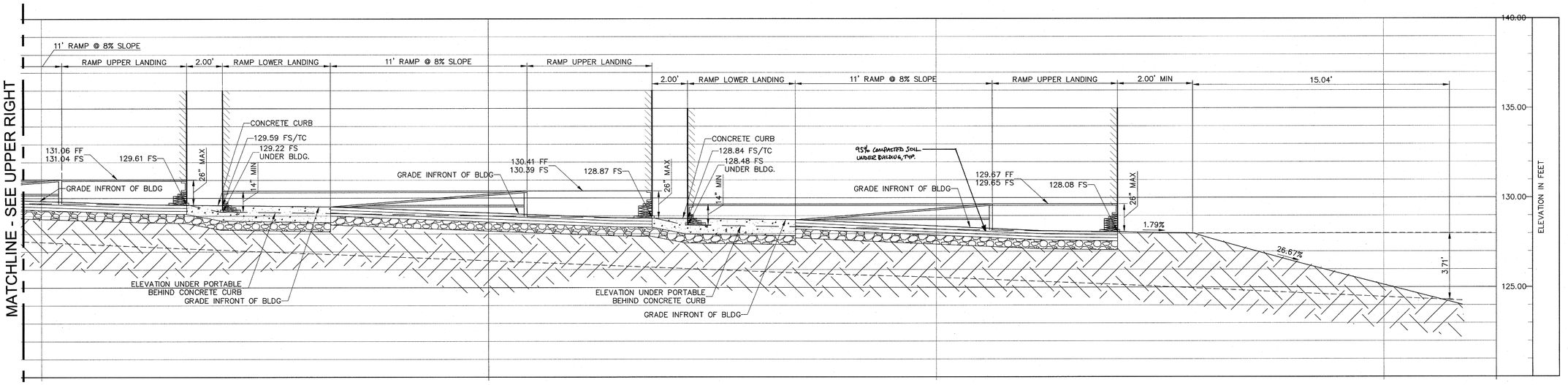


GRADING SECTION 4
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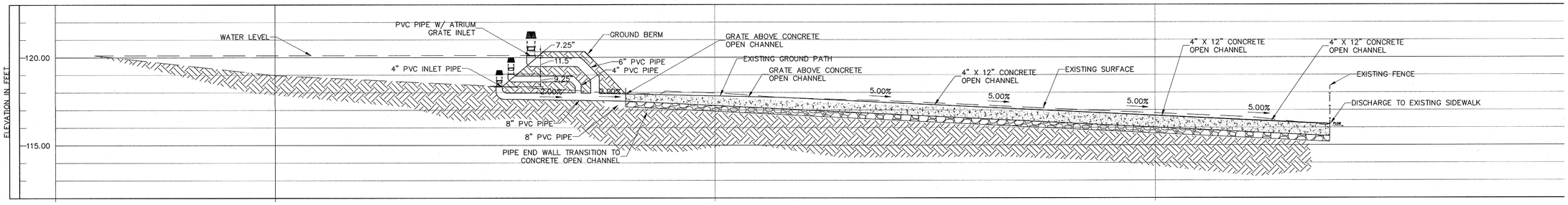


GRADING SECTION 5
SCALE HOR 1"=2.5' VER 1"=2.5' C-3.5

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PROJECT NAME
POINT DUME E.S.
TEMPORARY HOUSING
PROJECT

FACILITY INFO
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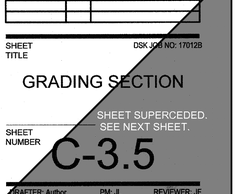
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS FLS SSS
Date: JAN 1 2019

KEY PLAN


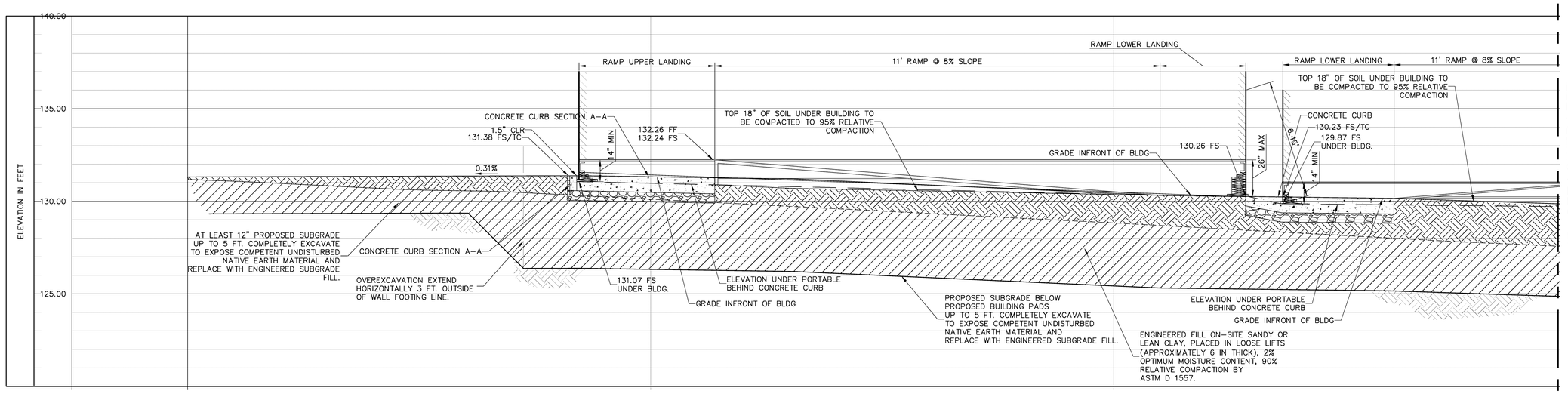

**PROJECT ISSUE DATE: 2018/12/20**

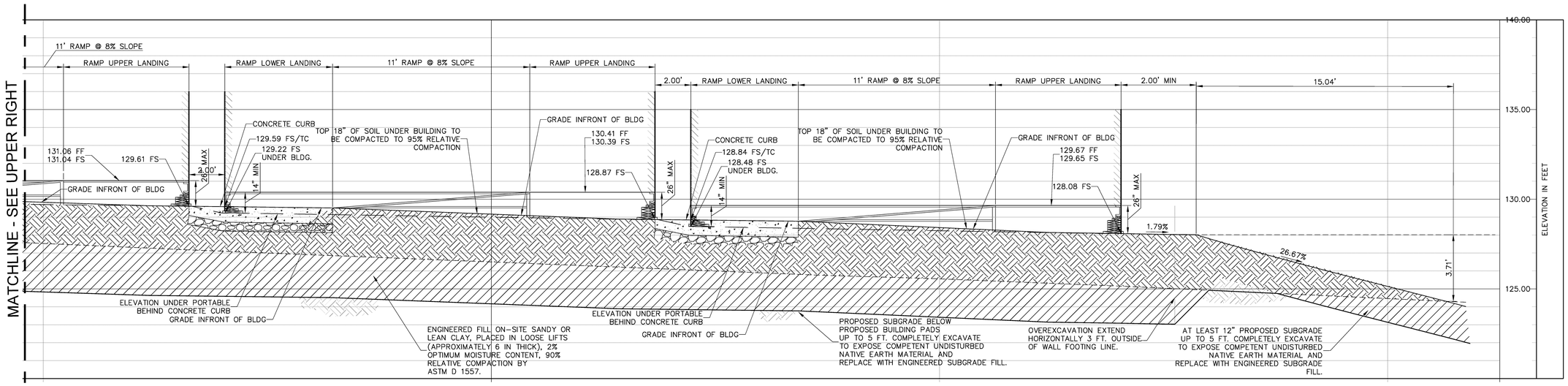
| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
DSK JOB NO: 170128
GRADING SECTION

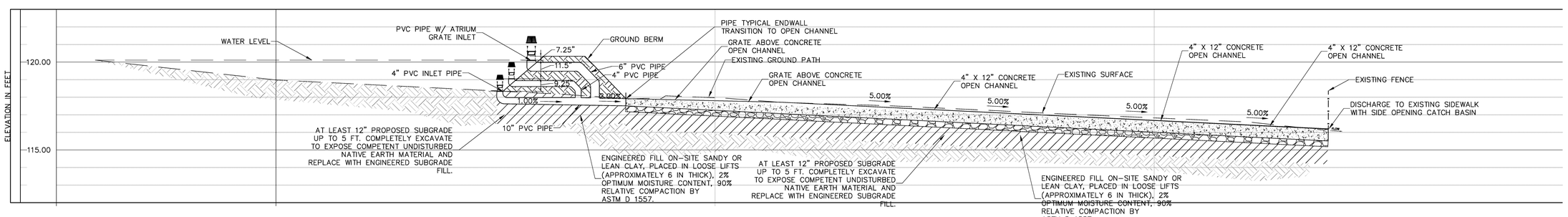
SHEET NUMBER
SHEET SUPERCEDED. SEE NEXT SHEET.
C-3.5

DRAFTER: Author PM: JL REVIEWER: JF




GRADING SECTION 4
SCALE HOR 1"=2.5' VER 1"=2.5' C-3.5




GRADING SECTION 5
SCALE HOR 1"=2.5' VER 1"=2.5' C-3.5

LEGEND:

IMPORTED ENGINEERED SUBGRADE FILL

REMOVE EXISTING ARTIFICIAL FILL AND REPLACE WITH IMPORTED ENGINEERED SUBGRADE FILL

COMPETENT, FIRM, UNYIELDING, UNDISTURBED NATIVE EARTH MATERIAL

NOTE TO PROJECT INSPECTOR: CHANGES HAVE BEEN MADE TO THIS SHEET CONSISTENT WITH THE GEOTECHNICAL REPORT. THESE CHANGES DO NOT IMPACT STRUCTURAL SAFETY, ACCESS COMPLIANCE, OR FIRE - LIFE SAFETY. THEY MAY THUS BE DEEMED A "CCD-B" AND HAVE NOT BEEN SUBMITTED TO DSA VIA FORMAL ADDENDUM, CONSISTENT WITH DSA IR A-6 SECTION 1.2.

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REGISTERED PROFESSIONAL ENGINEER JONATHAN C. HUGHES No. C36079 Exp. 6/30/20 CIVIL STATE OF CALIFORNIA

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PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

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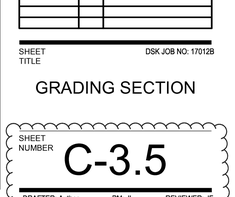
KEY PLAN



**PROJECT ISSUE DATE: 2018/12/20**

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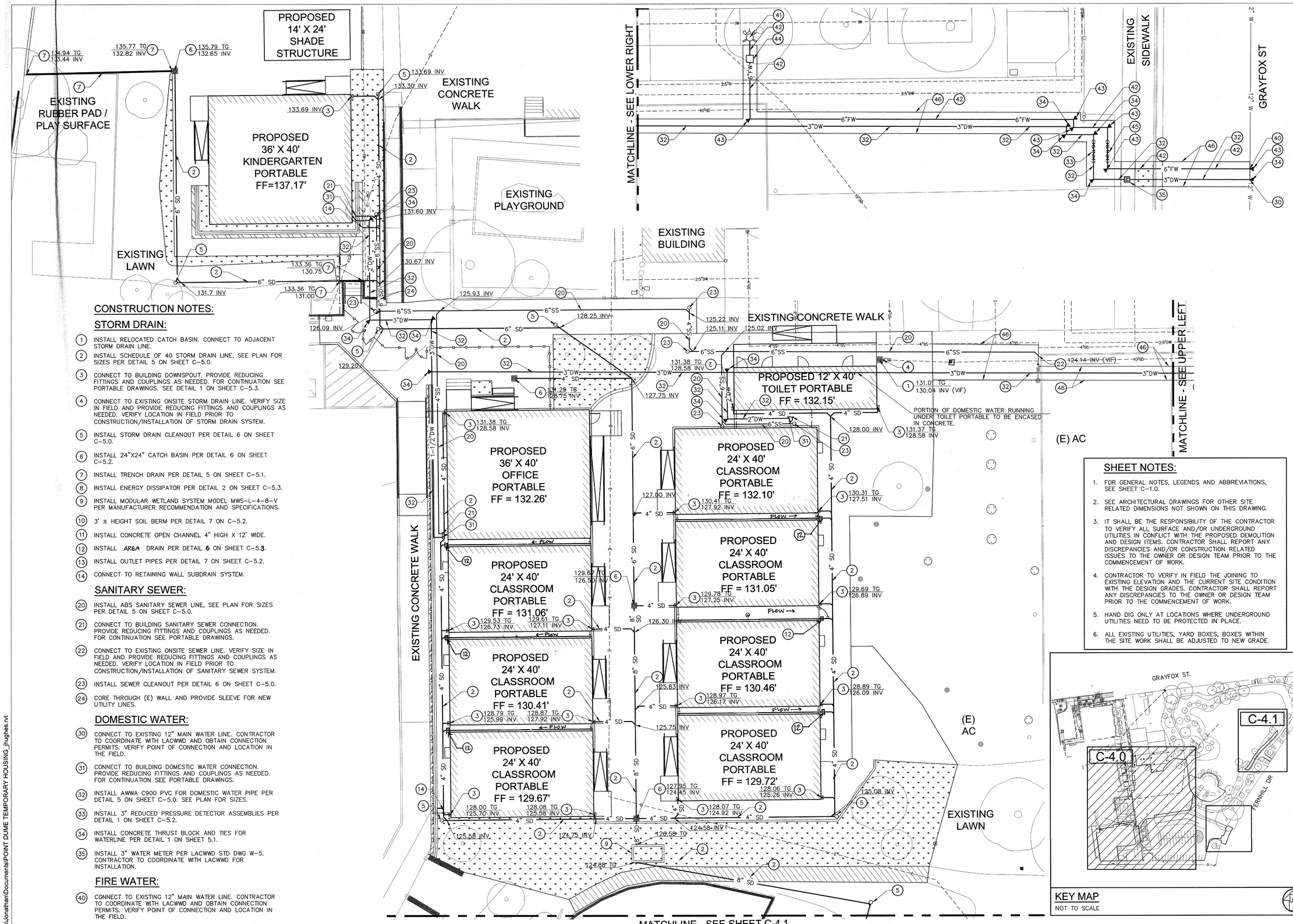
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
GRADING SECTION

DSK JOB NO: 17012B

SHEET NUMBER
C-3.5

DRAFTER: Author PM: JL REVIEWER: JF




## CONSTRUCTION NOTES:

### STORM DRAIN:

1. INSTALL RELOCATED CATCH BASIN. CONNECT TO ADJACENT STORM DRAIN LINE.
2. INSTALL SCHEDULE OF 40 STORM DRAIN LINE, SEE PLAN FOR SIZES PER DETAIL 5 ON SHEET C–5.0
3. CONNECT TO BUILDING DOWNSPOUT. PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. FOR CONTINUATION SEE PORTABLE DRAWINGS. SEE DETAIL 1 ON SHEET C–5.3.
4. CONNECT TO EXISTING ONSITE STORM DRAIN LINE. VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION/INSTALLATION OF STORM DRAIN SYSTEM.
5. INSTALL STORM DRAIN CLEANOUT PER DETAIL 6 ON SHEET C–5.0.
6. INSTALL 24"X24" CATCH BASIN PER DETAIL 6 ON SHEET C–5.2.
7. INSTALL TRENCH DRAIN PER DETAIL 5 ON SHEET C–5.1.
8. INSTALL ENERGY DISSIPATOR PER DETAIL 2 ON SHEET C–5.3.
9. INSTALL MODULAR WETLAND SYSTEM MODEL MWS–L–4–8–V PER MANUFACTURER RECOMMENDATION AND SPECIFICATIONS.
10. 3' ± HEIGHT SOIL BERM PER DETAIL 7 ON C–5.2.
11. INSTALL CONCRETE OPEN CHANNEL 4" HIGH X 12' WIDE.
12. INSTALL AREA DRAIN PER DETAIL 6 ON SHEET C–5.3.
13. INSTALL OUTLET PIPES PER DETAIL 7 ON SHEET C–5.2.
14. CONNECT TO RETAINING WALL SUBDRAIN SYSTEM.

### SANITARY SEWER:

20. INSTALL ABS SANITARY SEWER LINE, SEE PLAN FOR SIZES PER DETAIL 5 ON SHEET C–5.0.
21. CONNECT TO BUILDING SANITARY SEWER CONNECTION. PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. FOR CONTINUATION SEE PORTABLE DRAWINGS.
22. CONNECT TO EXISTING ONSITE SEWER LINE. VERIFY SIZE IN FIELD AND PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. VERIFY LOCATION IN FIELD PRIOR TO CONSTRUCTION/INSTALLATION OF SANITARY SEWER SYSTEM.
23. INSTALL SEWER CLEANOUT PER DETAIL 6 ON SHEET C–5.0.
24. CORE THROUGH (E) WALL AND PROVIDE SLEEVE FOR NEW UTILITY LINES.

### DOMESTIC WATER:

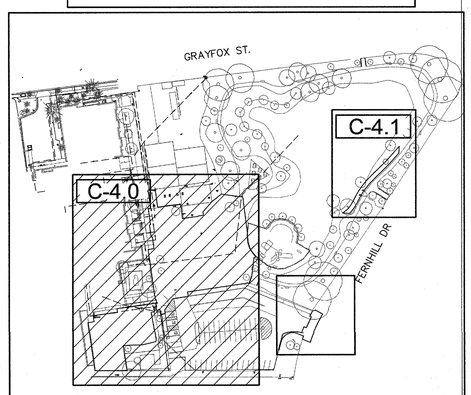
30. CONNECT TO EXISTING 12" MAIN WATER LINE. CONTRACTOR TO COORDINATE WITH LACWWD AND OBTAIN CONNECTION PERMITS. VERIFY POINT OF CONNECTION AND LOCATION IN THE FIELD.
31. CONNECT TO BUILDING DOMESTIC WATER CONNECTION. PROVIDE REDUCING FITTINGS AND COUPLINGS AS NEEDED. FOR CONTINUATION SEE PORTABLE DRAWINGS.
32. INSTALL AWWA C900 PVC FOR DOMESTIC WATER PIPE PER DETAIL 5 ON SHEET C–5.0. SEE PLAN FOR SIZES.
33. INSTALL 3" REDUCED PRESSURE DETECTOR ASSEMBLIES PER DETAIL 1 ON SHEET C–5.2.
34. INSTALL CONCRETE THRUST BLOCK AND TIES FOR WATERLINE PER DETAIL 1 ON SHEET 5.1.
35. INSTALL 3" WATER METER PER LACWWD STD DWG W–5. CONTRACTOR TO COORDINATE WITH LACWWD FOR INSTALLATION.

### FIRE WATER:

40. CONNECT TO EXISTING 12" MAIN WATER LINE. CONTRACTOR TO COORDINATE WITH LACWWD AND OBTAIN CONNECTION PERMITS. VERIFY POINT OF CONNECTION AND LOCATION IN THE FIELD.
41. INSTALL FIRE HYDRANT PER DETAIL 3 ON SHEET C–5.1.
42. INSTALL 6" AWWA C900 PVC, PRESSURE CLASS 200 (DR14) FIRE WATER LINE PER DETAIL 5 ON SHEET C–5.0.
43. INSTALL THRUST BLOCK PER DETAIL 1 ON SHEET C–5.1.
44. INSTALL VALVE BOX PER FOR FIRE HYDRANT PER DETAIL 4 ON SHEET C–5.1.
45. INSTALL 6" DOUBLE CHECK DETECTOR ASSEMBLIES PER DETAIL 2 ON SHEET C–5.2.
46. NEATLY SAW CUT UTILITY TRENCH FOR WATER OR SEWER LINE INSTALLATION PER DETAIL 5 ON SHEET C–5.0 . REPLACE FINISH MATERIAL IN KIND TO MATCH EXISTING.

## SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C–1.0.
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
5. HAND DIG ONLY AT LOCATIONS WHERE UNDERGROUND UTILITIES NEED TO BE PROTECTED IN PLACE.
6. ALL EXISTING UTILITIES, YARD BOXES, BOXES WITHIN THE SITE WORK SHALL BE ADJUSTED TO NEW GRADE.




KEY MAP
NOT TO SCALE

SITE UTILITY PLAN
10 5 0 10 20
GRAPHIC SCALE
SCALE 1" – 10'

SMMUSD
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2828 4th Street, Santa Monica, CA 90405 310.399.5865

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REGISTERED PROFESSIONAL ENGINEER — No. C36079 Exp. 6/30/20 CIVIL — STATE OF CALIFORNIA

CONSULTANT
VCA ENGINEERS INC
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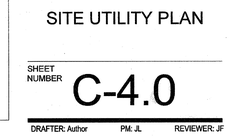
1041 S. Garfield Avenue, Suite #210
Alhambra, CA 91801
Tel. 323.729.6068 Fax. 323.729.6043

PROJECT NAME
**POINT DUME E.S. TEMPORARY HOUSING PROJECT**

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS FLS SSS
Date: DEC 2 1 2018

KEY PLAN



**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
SITE UTILITY PLAN

DSK JOB NO: 170128

SHEET NUMBER
C-4.0

DRAFTER: Author PM: JL REVIEWER: JF

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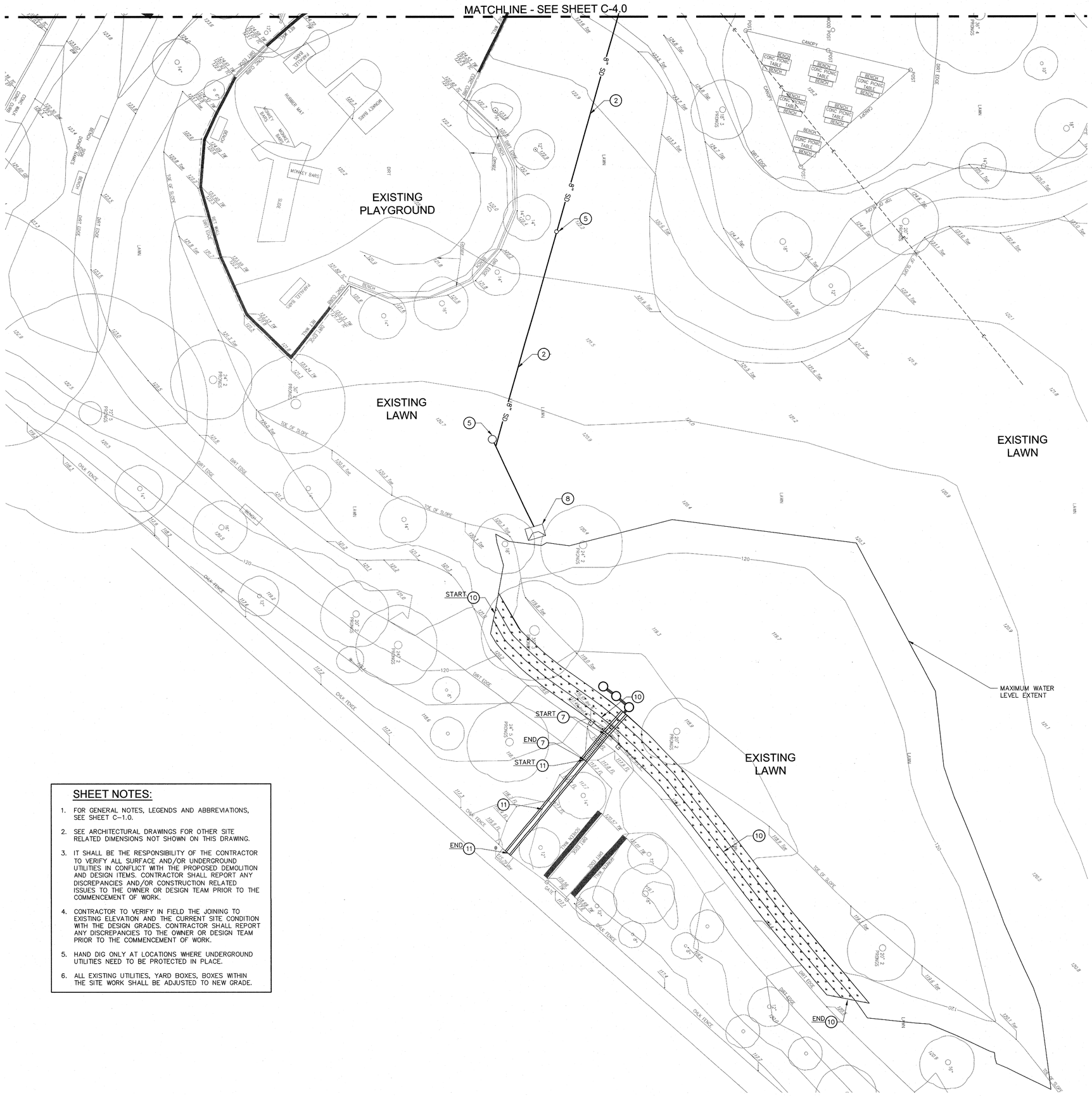


## CONSTRUCTION NOTES:

### STORM DRAIN:

1. INSTALL RELOCATED CATCH BASIN. CONNECT TO ADJACENT STORM DRAIN LINE.
2. INSTALL SCHEDULE OF 40 STORM DRAIN LINE, SEE PLAN FOR SIZES PER DETAIL 5 ON SHEET C-5.0.
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9. INSTALL MODULAR WETLAND SYSTEM MODEL MWS-L-4-8-V PER MANUFACTURER RECOMMENDATION AND SPECIFICATIONS.
10. 3' ± HEIGHT SOIL BERM PER DETAIL 7 ON C-5.2.
11. INSTALL CONCRETE OPEN CHANNEL 4" HIGH X 12' WIDE.
12. INSTALL NDS EZ DRAIN PER DETAIL 5 ON SHEET C-5.2.
13. INSTALL OUTLET PIPES PER DETAIL 7 ON SHEET C-5.2.
14. CONNECT TO RETAINING WALL SUBDRAIN SYSTEM.

## SHEET NOTES:

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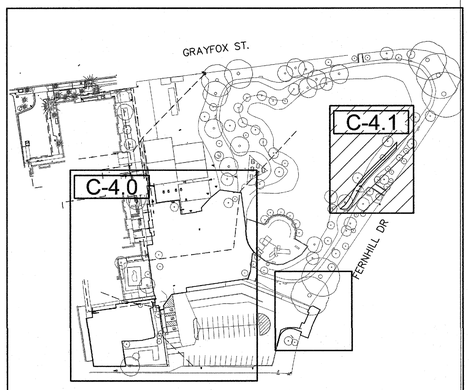
6. ALL EXISTING UTILITIES, YARD BOXES, BOXES WITHIN THE SITE WORK SHALL BE ADJUSTED TO NEW GRADE.




KEY MAP
NOT TO SCALE

## SITE UTILITY PLAN

10 5 0 10 20
GRAPHIC SCALE
SCALE 1" – 10'

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PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS Date DEC 21 2018 FLS SSS

KEY PLAN
K A C D B E
PROJECT NORTH

**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
SITE UTILITY PLAN

DSK JOB NO: 17012B

SHEET NUMBER
C-4.1

DRAFTER: Author PM: JL REVIEWER: JF

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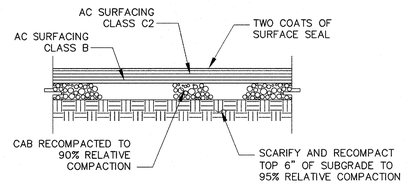
C:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_jhughes.rvt

| LOCATION | A C | | BASE COURSE | | |
|---|---|---|---|---|---|
| | THICKNESS | CLASS | THICKNESS | TYPE | GRADE |
| FIRE LANE | 4" | C2 | 6" | CAB | FINE |
| PARKING/PLAYGROUND | 3" | C2 | 4" | CAB | FINE |

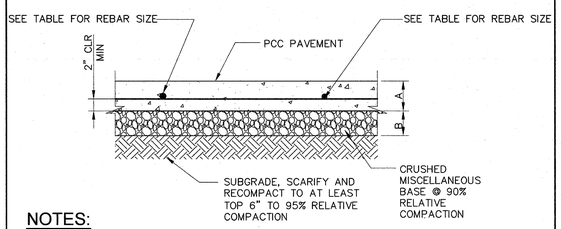



## NOTES:

1. THICKNESS OF ASPHALT AND BASE TO MATCH WITH EXISTING.
2. FOR PAVEMENT TRANSITION REFER TO DETAIL 3 ON SHEET C-5.0.
3. FOR PAVEMENT JOINT REFER TO DETAIL 4 ON SHEET C-5.0.
4. PROVIDE SLIP RESISTANCE COAT PER MANUFACTUR4ER REQUIREMENTS AND SPECIFICATIONS.

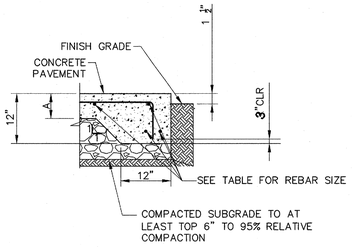
**1 ASPHALT PAVEMENT SECTION**
SCALE: NOT TO SCALE

| PAVEMENT SERVICE | CONCRETE PAVEMENT THICKNESS "A" | CRUSHED AGGREGATE BASE THICKNESS "B" | REBARS |
|---|---|---|---|
| NON TRAFFIC | 4" | 4" | #4 @ 16" O.C. B.W. |

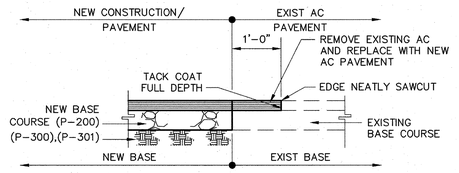


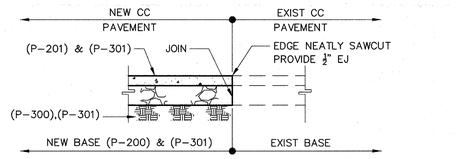

## NOTES:

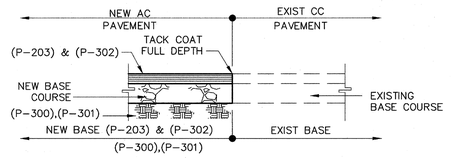
1. FOR CONSTRUCTION JOINTS, EXPANSION JOINTS, AND FINISH SURFACE REQUIREMENTS, REFER TO DETAIL 4 ON THIS SHEET.
2. CONCRETE, f'c=2500 psi @ 28 DAYS. REBARS, fy=60,000 psi ASTM A615.
3. CONCRETE FINISHES TO BE A MEDIUM SALTED FINISH FOR SLOPES OF LESS THAN 6%, AND SLIP RESISTANT FOR SLOPES 6% OR GREATER.
4. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE JOINING AND PATTERN.

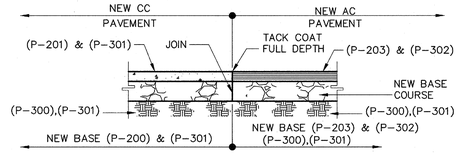



**2 CONCRETE PAVEMENT SECTION**
NOT TO SCALE

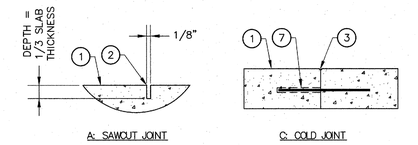


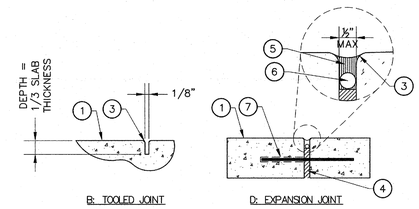



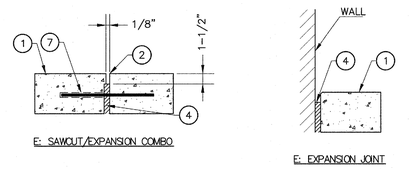




**3 PAVEMENT TRANSITION DETAIL**
NOT TO SCALE



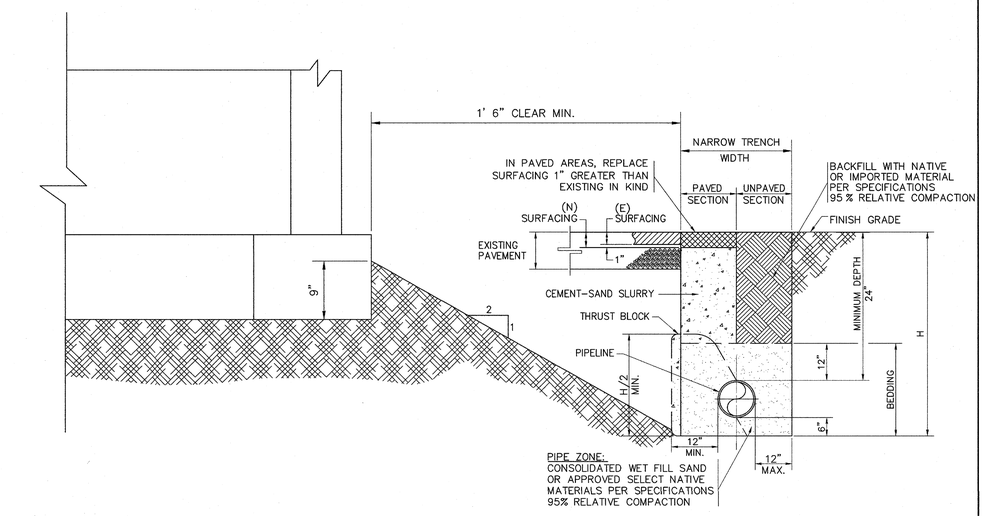




## LEGEND

1. PAVING FINISH SURFACE.
2. SAWCUT.
3. 1/4" R. @ EDGES. TYP.
4. PREMOLDED E.J. FILLER.
5. JOINT SEALANT. COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION.
6. BACKER ROD.
7. 18" #4 REBAR W/ 'SPEED DOWEL' @ 36" OC, CENTER IN CONC. AT COLD JOINTS & E.J.'S
8. CONTROL JOINTS 20 OC MAX.
9. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF CONTROL JOINT AND EXPANSION JOIN LAYOUT.

**4 JOINT DETAIL**
NOT TO SCALE



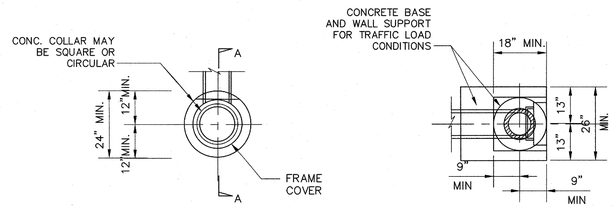

## NOTES:

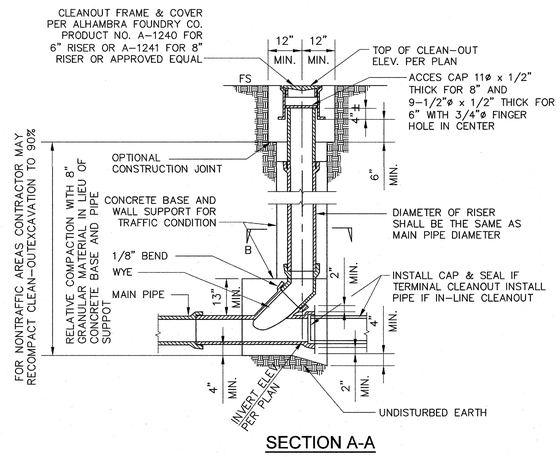
PAVEMENT FINISH SURFACE SHALL BE A SMOOTH CONTINUATION OF ADJOINING PAVED SURFACE.

NARROW UNSUPPORTED VERTICAL WALLED TRENCH WIDTH

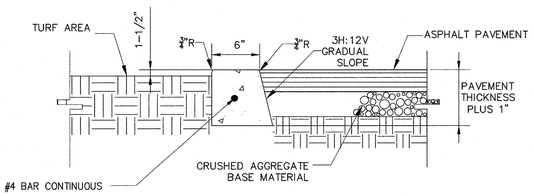
| NOMINALPIPE DIAMETER (INCHES) | NARROW TRENCH WIDTH MIN. (INCHES) |
|---|---|
| 3 | 18 |
| 4 | 18 |
| 6 | 18 |
| 8 | 24 |
| 10 | 30 |
| 15 | 35 |
| 48 | 91 |

**5 TRENCH SECTION**
NOT TO SCALE




**6 CLEANOUT DETAIL**
SCALE: NOT TO SCALE




## NOTES:

1. CONCRETE, f'c = 2,500 psi @28 DAYS.
2. REBARS, fy = 60,000 psi AS PER ASTM A615.

**7 MOWING STRIP DETAIL**
SCALE: NOT TO SCALE


SMMUSD
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2828 4th Street, Santa Monica, CA 90405 310.399.5865

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926 Natoma Street, Suite 200, San Francisco, CA 94103 415.839.8418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025 310.254.2263

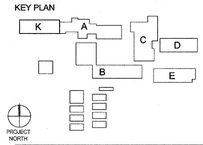

REGISTERED PROFESSIONAL ENGINEER VERLETTE C. [illegible] No. C36079 Exp. 6/30/20 CIVIL STATE OF CALIFORNIA


CONSULTANT
MCA ENGINEERS INC. CIVIL • STRUCTURAL
1041 S. Garfield Avenue, Suite #210
Alhambra. CA 91801
Tel. 323.729.6098 Fax. 323.729.6043


PROJECT NAME
# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 03-119266 ACE Date: NOV 1 2018 FLS

KEY PLAN



**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
MISCELLANEOUS DETAIL

DSK JOB NO: 17012B

SHEET NUMBER
C-5.0

DRAFTER: Author PM: JL REVIEWER: JF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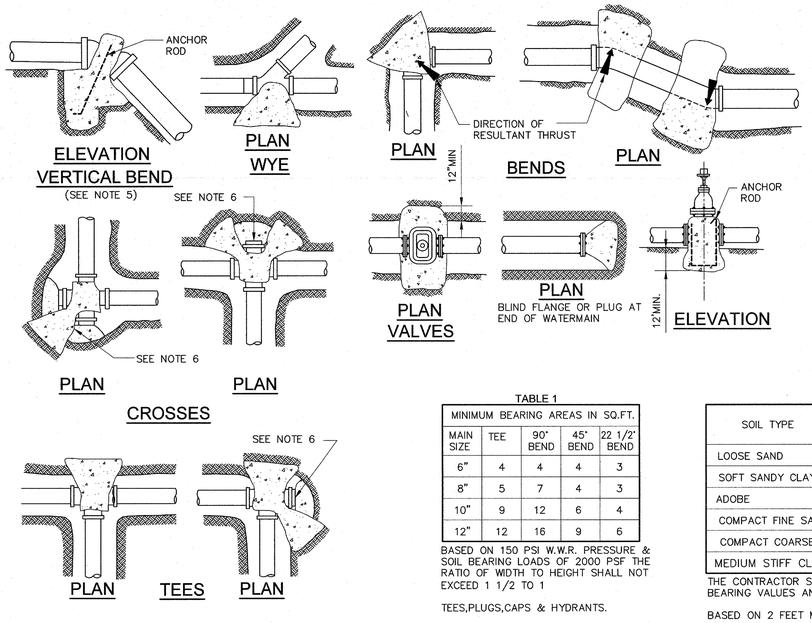



## GENERAL NOTES:

1. ALL ANCHOR AND THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.
2. MINIMUM ALLOWABLE WATER PRESSURE FOR DESIGN OF THRUST BLOCKS IS 150 PSI. BEARING AREA INCREASE IN PRESSURE.
3. ALL CONCRETE USED IN THRUST BLOCKS SHALL ATTAIN 2000 PSI STRENGTH.
4. ALL ANCHOR RODS SHALL BE REINFORCING STEEL AND A MINIMUM OF 1/2–INCH IN DIAMETER.
5. USE ANCHOR BLOCKS AT VERTICAL BENDS WHEN PIPE IS ABOVE OR BELOW GROUND. SIZE OF BLOCK AND ROD SHALL BE AS SHOWN ON THE PLANS OR AS DETERMINED BY THE ENGINEER IN THE FIELD.
6. USE 30 POUND FELT TO INSURE COLD JOINT.
7. CONCRETE SHALL NOT COME INTO DIRECT WITH ASBESTOS CEMENT PIPE.
8. FOR PIPE 14" IN DIAMETER OR LARGER ENGINEER IS TO SUBMIT CALCULATIONS.

TABLE 1

| MINIMUM BEARING AREAS IN SQ.FT. | | | | |
|---|---|---|---|---|
| MAIN SIZE | TEE | 90° BEND | 45° BEND | 22 1/2° BEND |
| 6" | 4 | 4 | 4 | 3 |
| 8" | 5 | 7 | 4 | 3 |
| 10" | 9 | 12 | 6 | 4 |
| 12" | 12 | 16 | 9 | 6 |

BASED ON 150 PSI W.W.R. PRESSURE & SOIL BEARING LOADS OF 2000 PSF THE RATIO OF WIDTH TO HEIGHT SHALL NOT EXCEED 1 1/2 TO 1

TEES,PLUGS,CAPS & HYDRANTS.

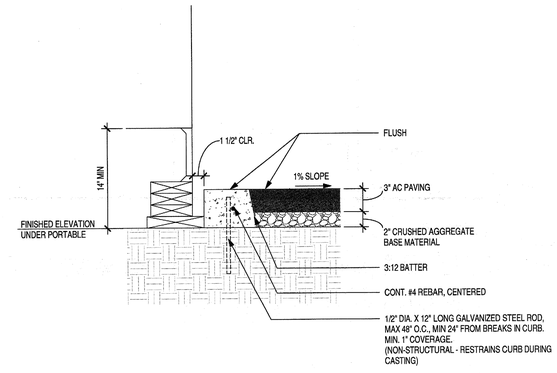
TABLE II

| SOIL TYPE | MAX. ALLOWABLE SOIL BEARING VALUES | FACTORS FOR INCREASING AREAS IN TABLE 1 |
|---|---|---|
| LOOSE SAND | 500 PSF | 4 |
| SOFT SANDY CLAY | 1000 PSF | 2 |
| ADOBE | 1000 PSF | 2 |
| COMPACT FINE SAND | 2000 PSF | 1 |
| COMPACT COARSE SAND | 2000 PSF | 1 |
| MEDIUM STIFF CLAY | 2000 PSF | 1 |

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SAFE SOIL BEARING VALUES AND SIZE OF BEARING AREAS.

BASED ON 2 FEET MINIMUM DEPTH OF COVER OVER THE PIPE.

1 THRUST BLOCK DETAILS
SCALE: NOT TO SCALE

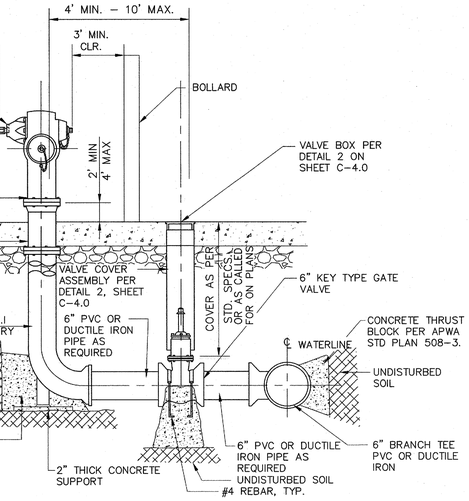



## SECTION A-A

## NOTES:

1. PROVIDE 1/4" EXPANSION JOINT WITH PREFORMED JOINT FILLER AT ALL ANGLE POINTS AND THE BEGINNING AND END OF ALL CURVES.
2. PROVIDE CONTRACTION JOINTS CONSISTING OF ONE INCH DEEP CUT SCORES AT 20' O.C. MAX.
3. WHERE A WALK IS ADJACENT TO THE CURB, THE JOINTS SHALL LINE WITH JOINTS IN THE WALK.
4. CONCRETE, f'c = 2,500 psi @28 DAYS.
3. REBARS, fy = 60,000 psi AS PER ASTM A615.

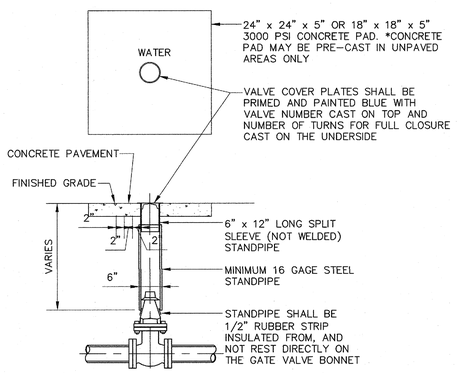
2 CONCRETE CURB DETAIL
SCALE: NOT TO SCALE



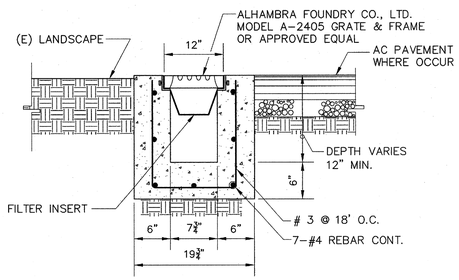

## NOTES

1. BARRICADES, FENCES, WALLS, LANDSCAPING, ETC. SHALL NOT BE INSTALLED OR PLANTED WITHIN 3' OF A HYDRANT.
2. FIRE HYDRANT SHALL BE ONE OF THE FOLLOWING
   A. CLOW / RICH – NO. 550, 555 OR 850.
   B. JAMES JONES – NO. J3700 – FLUTED BARREL
   C. LB IRONWORKS – #702 LIDO OR 425
   D. OTHER – MUELLER A–480–E
3. HYDRANT SHALL BE SUPPLIED WITH 2–1/2" x 4" OUTLETS AND 1–1/4" OR 1–3/4" PENTAGON NUTS ON CUPS AND OPERATING VALVES
4. HYDRANT SHALL BE PAINTED WITH O.S.H.A. SAFETY YELLOW AMERITONE 719 OR APPROVED EQUAL
5. HYDRANT BURY, VALVE AND TEE SHALL HAVE EITHER RING–TITE JOINTS OR MECHANICAL JOINTS COMPATIBLE WITH PIPE MATERIAL USED.
6. ALL PIPE AND FITTINGS FOR HYDRANT INSTALLATION SHALL BE CLASS 200

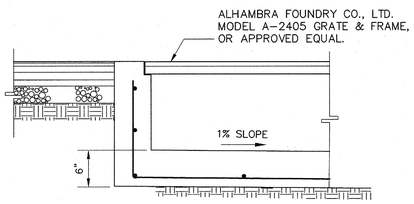
3 FIRE HYDRANT DETAIL
NOT TO SCALE




4 VALVE BOX DETAIL
NOT TO SCALE




## CROSS SECTION




## LONGITUDINAL SECTION

## NOTE:

1. GRATE MUST COMPLY WITH ACCESSIBILITY REQUIREMENTS, HEEL PROOF, VANDAL RESISTANT AND TRAFFIC RATED.
2. PROVIDE KRISTAR ENTERPRISES, INC. FLOGARD LOPRO TRENCH DRAIN FILTER INSERT OR APPROVED EQUAL.

5 TRENCH DRAIN DETAIL
NOT TO SCALE

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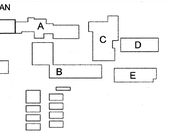
DIVISION OF THE STATE ARCHITECT
03-119266
ACCESS FLS SSS
Date: DEC 7 2018

KEY PLAN




**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
MISCELLANEOUS DETAIL

DSK JOB NO: 17012B

SHEET NUMBER
C-5.1

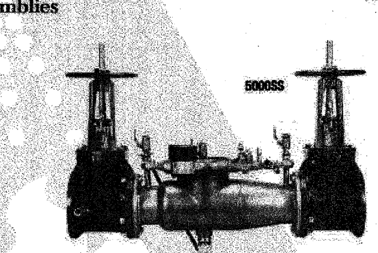
DRAFTER: Author PM: JL REVIEWER: JF

ES-A-5000SS

## Series 5000SS

### Reduced Pressure Detector Assemblies

Sizes: 2½" – 6" (65 – 150mm)




**Features**

- Stainless steel construction provides long term corrosion resistance and maximum strength
- Stainless steel body is light weight reducing installation and shipping costs
- Short end to end dimensions makes retrofit easy
- Bottom mounted relief valve reduces clearance requirements when installed against an outside wall
- Cam-check valves provides maximum flow at low pressure drop
- No special tools required for servicing
- Compact construction allows for smaller enclosures
- Stainless steel relief valve features a balanced rolling diaphragm to eliminate sliding seals and lower maintenance costs
- Detects underground leaks and unauthorized water use.
- GPM or CFM meter available

**Available Models**

Suffix:
LG - less gates
OSY - UL/FM outside stem and yoke resilient seated gate valves
*OSY FxG – flanged inlet gate connection and grooved outlet gate connection
*OSY GxF – grooved inlet gate connection and flanged outlet gate connection
*OSY GxG – grooved inlet gate connection and grooved outlet gate connection
¾" Bypass Line:
CFM - cubic feet per minute meter
GPM - gallons per minute meter
LM - less meter

Available with grooved NRS gate valves - consult factory*
Post indicator plate and operating nut available – consult factory*
*Consult factory for dimensions

NOTICE The installation of a drain line is recommended. When installing a drain line, an air gap is necessary.

The SilverBullet™ Series 5000SS Reduced Pressure Detector Assemblies are designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements for non-potable service applications such as irrigation, fireline, or industrial processing. Used in health hazard applications.

**Specifications**

A Reduced Pressure Detector Assembly shall be installed at each cross-connection to prevent backsiphonage and backpressure of hazardous materials into the potable water supply. The assembly shall consist of a pressure differential relief valve located in a zone between two positive seating cam-check valves. The main valve body shall be manufactured from 300 Series stainless steel for corrosion resistance. The cam-check valves shall be of thermoplastic construction with stainless steel hinge pins, cam arm, and cam bearing. The cam-check valve shall utilize a single torsion spring design to minimize pressure drop through the assembly. The cam-check valves shall be modular and shall seal to the main valve body by the use of an O-ring. There shall be no brass or bronze parts used within the cam-check assembly or relief valve. The use of seat screws to retain the check valve seat is prohibited. All internal parts shall be accessible through a single cover on the valve assembly securely held in place by a two-bolt grooved coupling. The differential relief valve shall be of stainless steel construction and shall utilize a rolling diaphragm and no sliding seals. The relief valve shall be bottom mounted and supplied with a steel reinforced sensing hose. The assembly shall include two resilient shutoff valves and four ball type test cocks and a hydraulically balanced by-pass line. The bypass line shall include a meter, small diameter reduced pressure zone assembly and isolation valves. The bypass reduced pressure assembly shall have a single bolted on cover and top mounted test cocks. The assembly shall be an Ames Company Series 5000SS.

**Materials**

- All internal metal parts: 300 Series stainless steel
- Main valve body: 300 Series stainless steel
- Check assembly: Noryl®
- Flange dimension in accordance with AWWA Class D

**Pressure — Temperature**

Temperature Range: 33°F – 110°F (0.5°C – 43°C)
Maximum Working Pressure: 175psi (12.1 bar)

**Standards**

AWWA C511-92

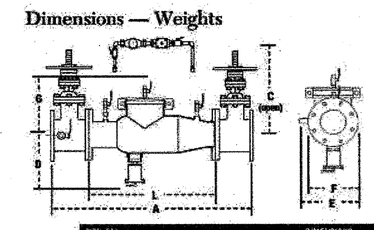
**Approvals**

1047 Horizontal; B64.5; FM Approved

NOTICE
Inquire with governing authorities for local installation requirements

Noryl® is a registered trademark of General Electric Company.

**Dimensions — Weights**

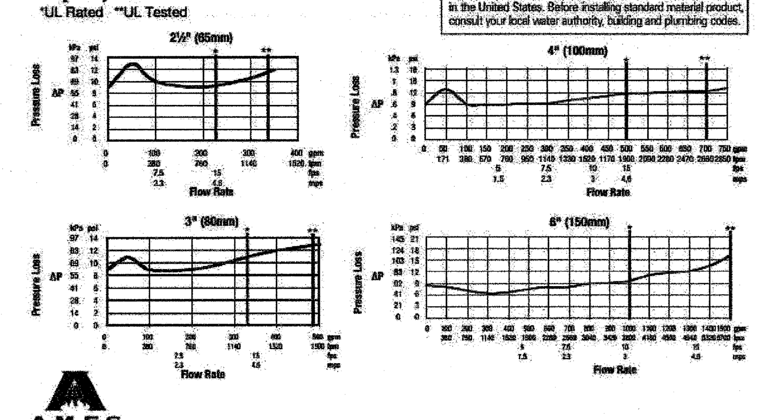



| SIZE (DN) | | A | | C (OSY) | | D | | E | | F | | G | | L | | WEIGHTS with Gates | | WEIGHTS without Gates | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | kgs. | lbs. | kgs. |
| 2½ | 65 | 37 | 940 | 16⅜ | 416 | 10½ | 267 | 12½ | 318 | 7 | 178 | 10 | 254 | 22 | 559 | 170 | 77 | 61 | 28 |
| 3 | 80 | 38 | 965 | 18⅞ | 479 | 10½ | 267 | 13 | 330 | 7½ | 191 | 10 | 254 | 22 | 559 | 205 | 93 | 65 | 29 |
| 4 | 100 | 40 | 1016 | 22¾ | 578 | 10½ | 267 | 14½ | 368 | 9 | 229 | 10 | 254 | 22 | 559 | 270 | 122 | 67 | 30 |
| 6 | 150 | 48½ | 1232 | 30⅛ | 765 | 11½ | 292 | 15½ | 394 | 11 | 279 | 11½ | 292 | 27½ | 699 | 405 | 184 | 105 | 48 |

⚠ WARNING
It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.

**Capacity**

*UL Rated **UL Tested




AMES FIRE & WATERWORKS

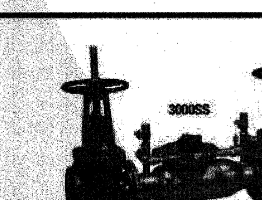
1 REDUCED PRESSURE DETECTOR ASSEMBLIES
NOT TO SCALE

ES-A-3000SS

## Series 3000SS

### Double Check Detector Assemblies

Sizes: 2½" – 12" (65 – 300mm)




**Features**

- Cam-Check Assembly valve provides low head loss
- Short lay length is ideally suited for retrofit installations
- Stainless Steel body is half the weight of competitive designs reducing installation and shipping cost
- Stainless steel construction provides long term corrosion protection and maximum strength
- Single top access cover with two-bolt grooved style coupling for ease of maintenance
- No special tools required for servicing
- Compact construction allows for smaller vaults and enclosures
- Furnished with ⅝" x ¾" bronze meter (gpm or cfm)
- Detects underground leaks and unauthorized water use
- Maybe installed horizontal or vertical "flow up" position

**Available Models**

Suffix:
LG – less shutoff valves
OSY – UL/FM outside stem and yoke resilient seated gate valves
OSY FxG – flanged inlet gate connection and grooved outlet gate connection
OSY GxF – grooved inlet gate connection and flanged outlet gate connection
OSY GxG – grooved inlet gate connection and grooved outlet gate connection
CFM – cubic feet per minute
GPM – gallons per minute meter

Post indicator plate and operating nut available – consult factory

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Series 3000SS Double Check Detector Assemblies are designed for use in accordance with water utility non-health hazard containment requirements. It is mandatory to prevent the reverse flow of fire protection systems substances, i.e., glycerin wetting agents, stagnant water and water of non-potable quality from being pumped or siphoned into the potable water supply.

**Specifications**

A Double Check Detector Assembly shall be installed on fire protection systems when connected to a drinking water supply. Degree of hazard present is determined by the local authority having jurisdiction. The main valve body shall be manufactured from 300 Series stainless steel to provide corrosion resistance, 100% lead free* through the waterway. The double check detector assembly consists of two independently operating, spring loaded check valves, two UL, FM, OSY resilient seated gate valves, and bypass assembly. The bypass assembly consists of a meter (cubic ft. or gallons), a double check including shutoff valves and required test cocks. Each cam-check shall be internally loaded and provide a positive drip tight closure against reverse flow. Cam-check includes a stainless steel cam arm and spring, rubber faced disc and a replaceable seat. There shall be no brass or bronze parts used within the cam-check valve assembly. The check valve seats shall be of molded thermoplastic construction. The use of seat screws as a retention method is prohibited. All internal parts shall be accessible through a single cover on the valve assembly. The valve cover shall be held in place through the use of a single grooved style two-bolt coupling. The bypass line shall be hydraulically sized to accurately measure low flow. The bypass line shall consist of a meter, a small diameter double check assembly with test cocks and isolation valves. The bypass line double check valve shall have two independently operating modular poppet check valves, and top mounted test cocks. The assembly shall be an Ames 3000SS.

**Materials**

All internal metal parts: 300 Series stainless steel, Main valve body: 300 Series stainless steel, Check assembly: Noryl® Flange dimension in accordance with AWWA Class D. Noryl® is a registered trademark of General Electric Company.

⚠ WARNING
It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.

**Pressure — Temperature**

Temperature Range: 33°F – 110°F (0.5°C – 43°C)
Maximum Working Pressure: 175psi (12 bar)

**Capacity**

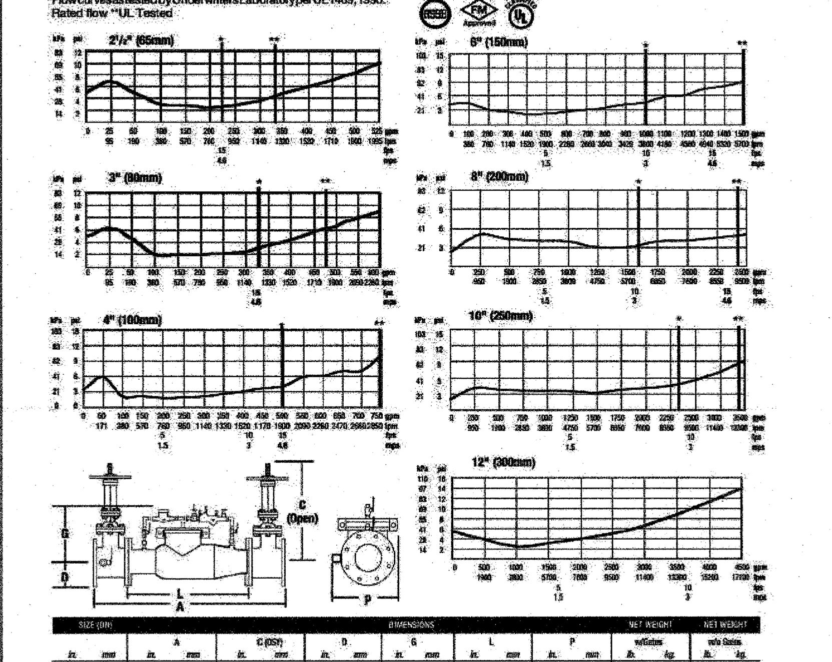
Flow curves as tested by Underwriters Laboratory per UL1469, 1996.* Rated flow **UL Tested

**Standards**

ASSE 1048, AWWA C510-92, CSA B64.5, UL 1469

**Approvals**

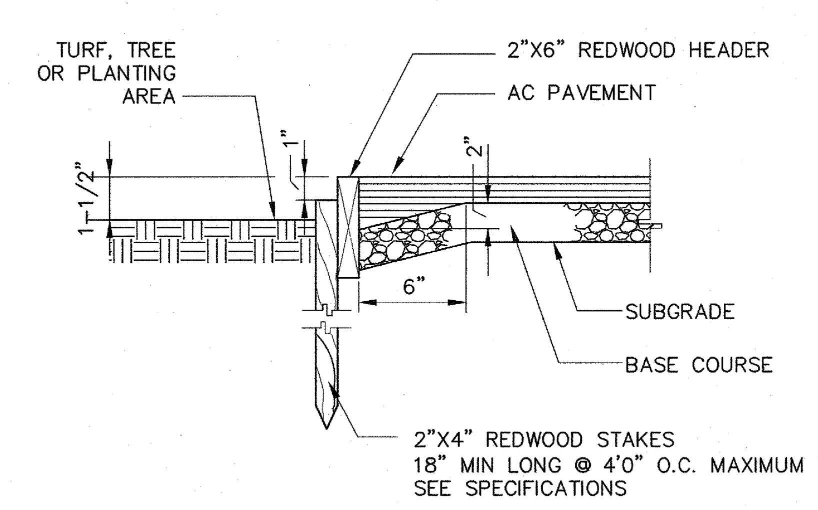
UL Classified (OSY only), FM (sizes 2½" – 10", OSY only)



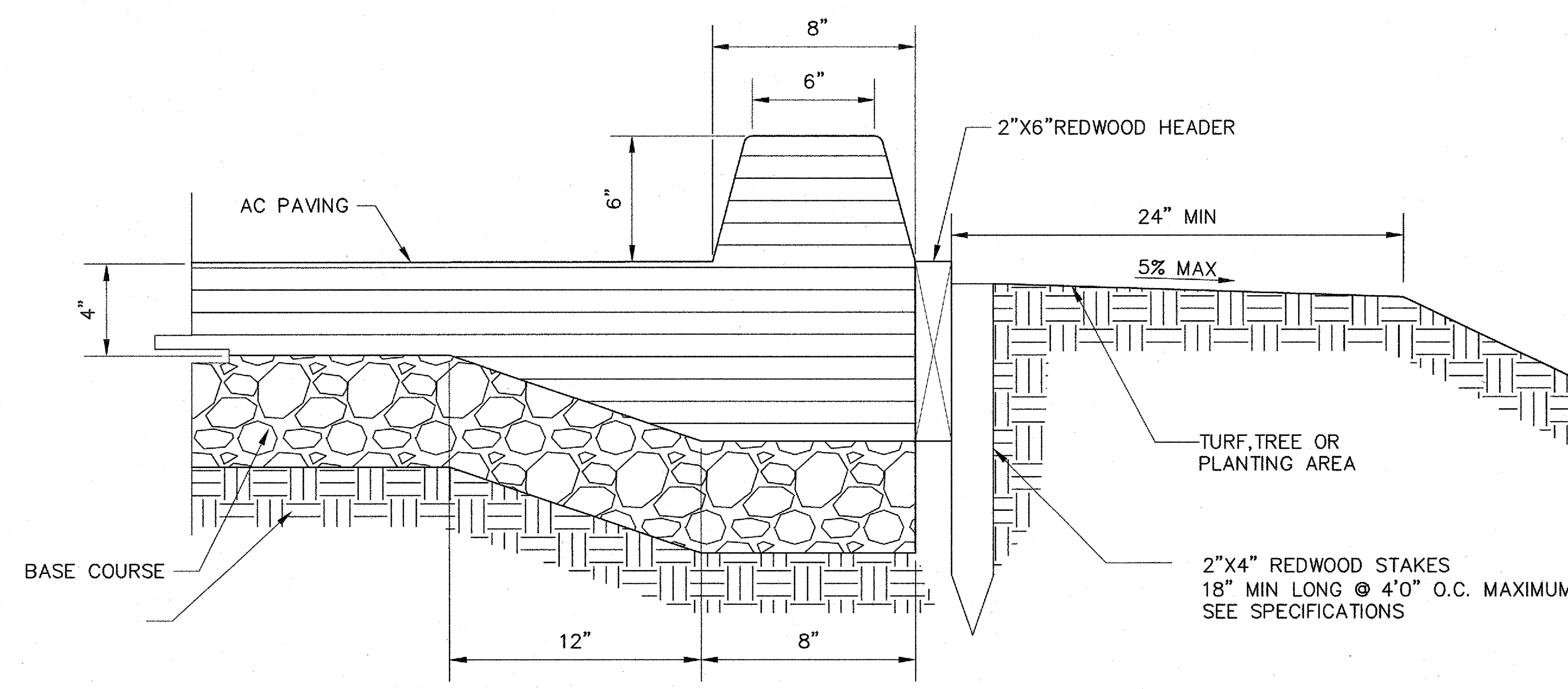

| SIZE (DN) | | A | | C (OSY) | | D | | G | | L | | P | | NET WEIGHT w/Gates | | NET WEIGHT w/o Gates | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lb. | kg. | lb. | kg. |
| 2½ | 65 | 37 | 965 | 16⅜ | 416 | 3½ | 89 | 10 | 250 | 22 | 559 | 12½ | 318 | 155 | 70 | 68 | 31 |
| 3 | 80 | 38 | 965 | 18⅞ | 479 | 3¾ | 95 | 10 | 250 | 22 | 559 | 13 | 330 | 230 | 104 | 70 | 32 |
| 4 | 100 | 40 | 1016 | 22¾ | 578 | 4½ | 114 | 10 | 250 | 22 | 559 | 14½ | 368 | 240 | 109 | 73 | 33 |
| 6 | 150 | 48½ | 1232 | 30⅛ | 765 | 5½ | 140 | 15 | 381 | 27½ | 699 | 15½ | 394 | 390 | 177 | 120 | 54 |
| 8 | 200 | 52½ | 1334 | 37¾ | 959 | 6¾ | 171 | 15 | 381 | 29½ | 749 | 18½ | 464 | 572 | 259 | 180 | 82 |
| 10 | 250 | 55½ | 1410 | 45¾ | 1162 | 8 | 200 | 15 | 381 | 29½ | 749 | 19½ | 495 | 774 | 351 | 190 | 86 |
| 12 | 300 | 57½ | 1461 | 53⅛ | 1349 | 9½ | 241 | 15 | 381 | 29½ | 749 | 21 | 533 | 1044 | 474 | 220 | 100 |

AMES FIRE & WATERWORKS amesfirewater.com ISO 9001-2008 CERTIFIED

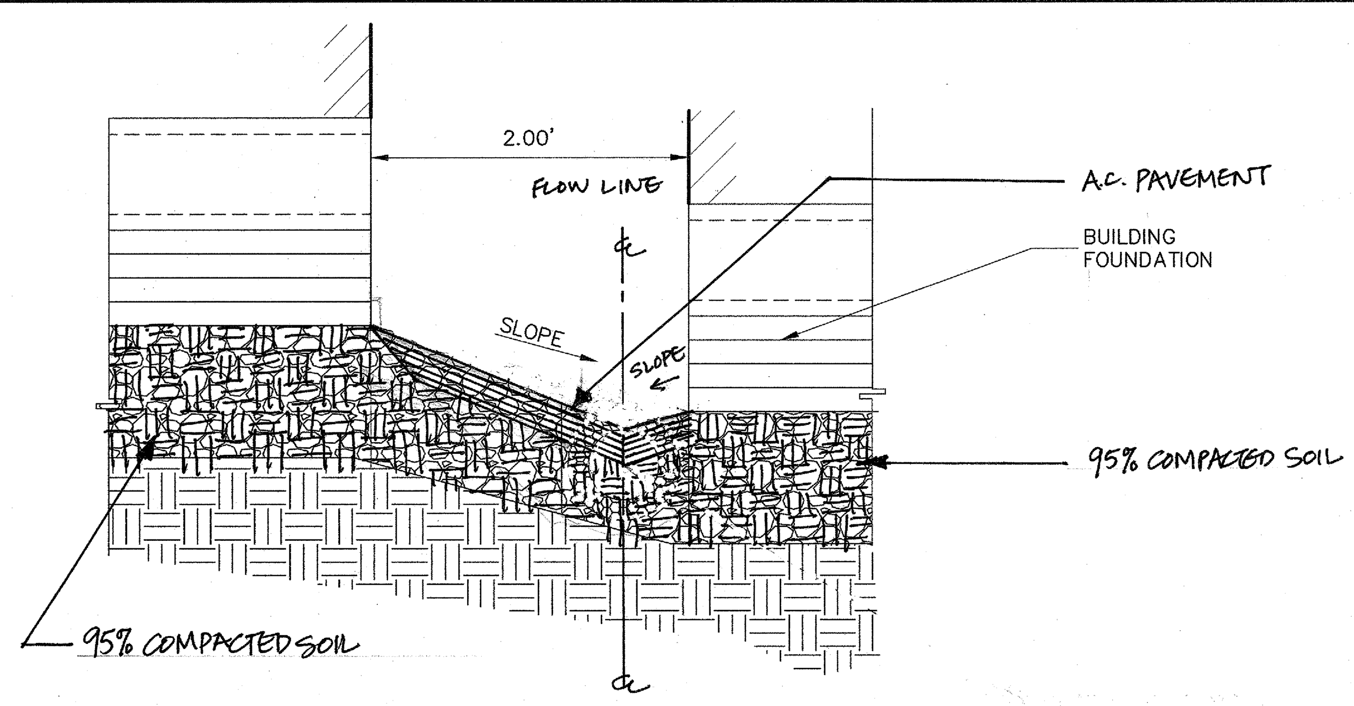
2 DOUBLE CHECK DETECTOR ASSEMBLIES
NOT TO SCALE



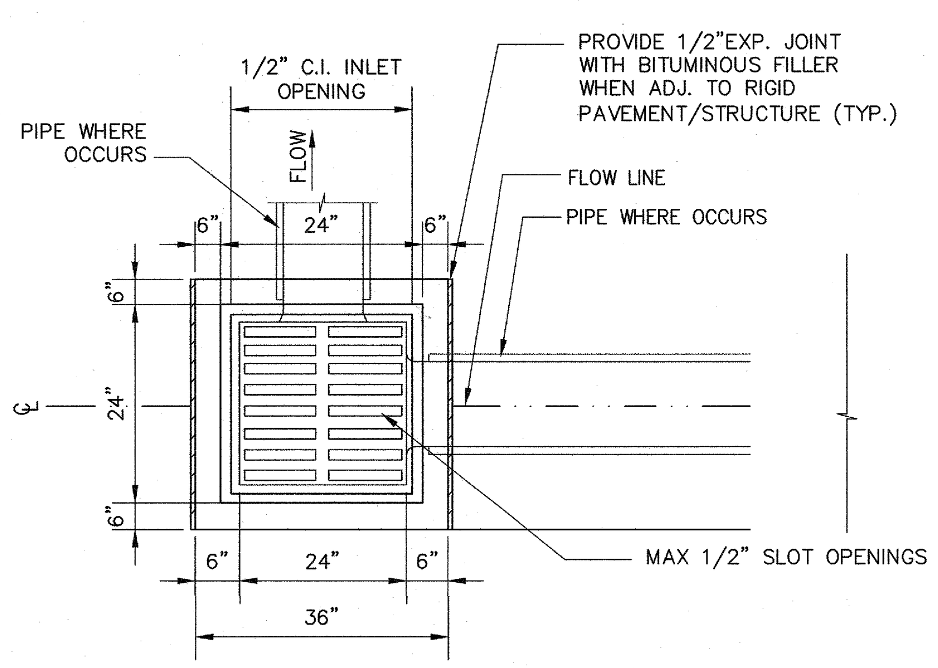

3 REDWOOD HEADER DETAIL
NOT TO SCALE



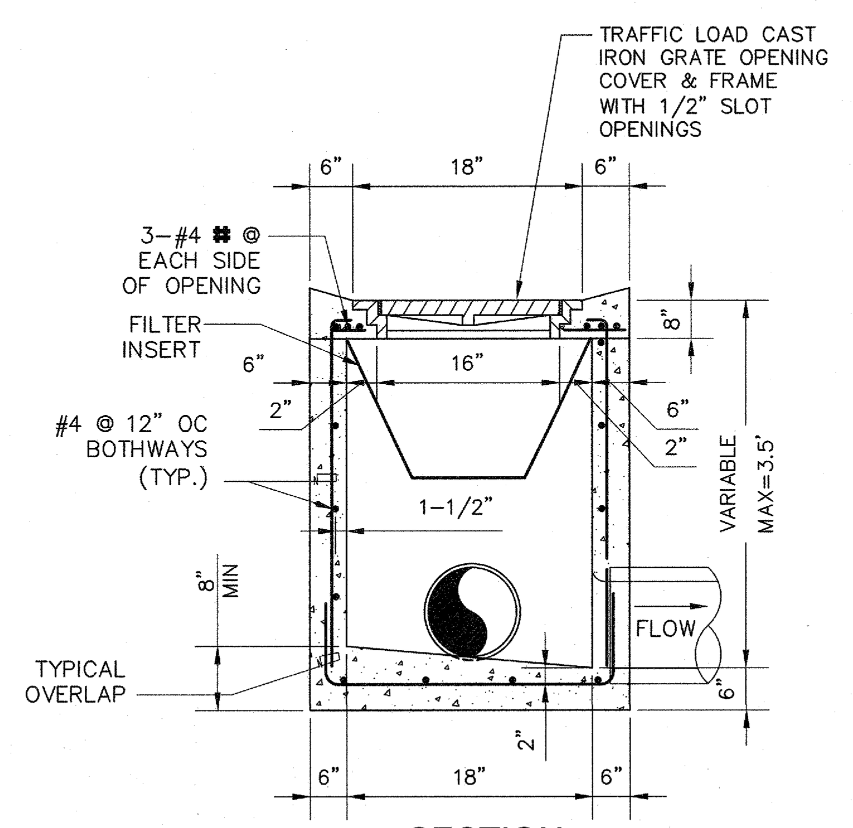

4 ASPHALT CURB DETAIL
NOT TO SCALE




5 NDS EZ DRAIN
NOT TO SCALE




PLAN



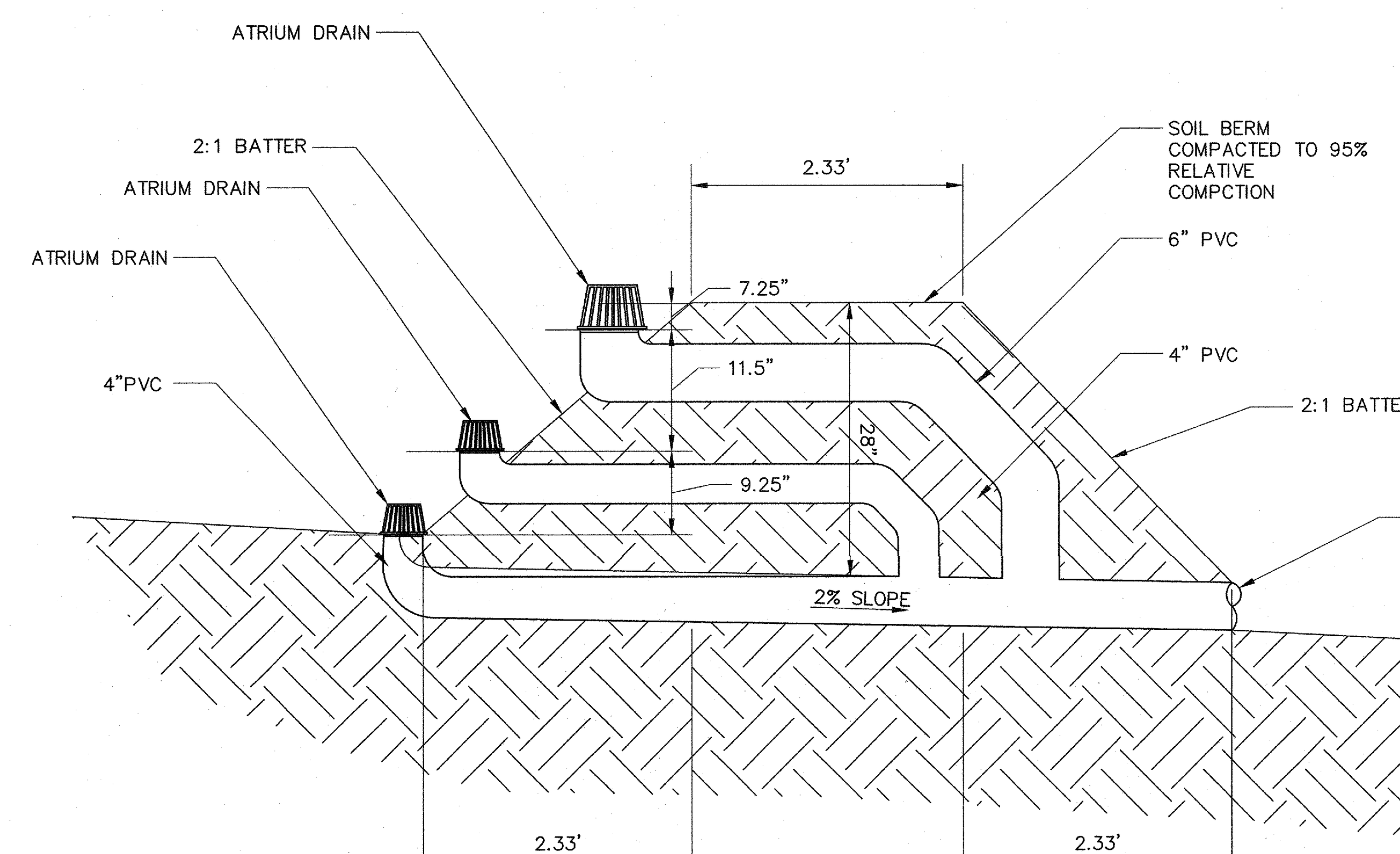

SECTION

**NOTES:**

1. USE 3/4" DIA. PIPE BAR SPACERS ASSEMBLED ON (2) 1/2" DIA. RODS WITH THREADS AND NUTS AT BOTH ENDS.
2. ALL METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION AND WELDING, AND BEFORE ASSEMBLING.
3. GRATE SHALL BE ADA COMPLIANT AND HEEL PROOF.
4. FRAME AND GRATE SHALL BE SIMILAR TO ALHAMBRA FOUNDRY CO. LTD. SERIES MODEL NO. 1583 OR BROOKS PRODUCTS, INC. OR APPROVED EQUAL. GRATES MUST COMPLY WITH ALL ADA REQUIREMENTS.
5. GRATES SHALL BE OF VANDAL-RESISTANT CONSTRUCTION WITH ½"MAX OPENINGS.
6. FRAME AND GRATE SHALL BE TRAFFIC-RATED WHEN INSTALLED IN PAVED (ASPHALT OR CONCRETE) AREAS.
7. GRATE MUST COMPLY WITH ADA REQUIREMENTS AND HEEL PROOF.
8. PROVIDE 1/2" MAX GRID/OPENINGS IN GRATING IN THE DIRECTION OF TRAFFIC FLOW.
9. PROVIDE FOSSIL FILTER, KRISTAR ENTERPRISES, INC. FLOGARD MODEL NO. FF-180, TEL NO. 800-579-8819 OR APPROVED EQUAL.

PROVIDE "NO DUMPING SYMBOL" PER DETAIL 5 ON SHEET C5.00.

6 CATCH BASIN
NOT TO SCALE




7 SOIL BERM SD SYSTEM
NOT TO SCALE

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2828 4th Street, Santa Monica, CA 90405 310.399.5865

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PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
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AGENCY STAMP
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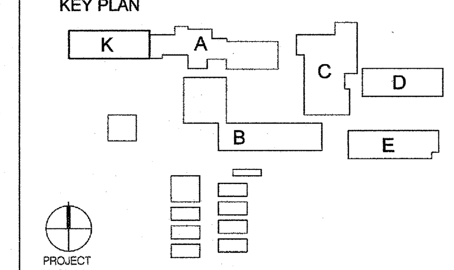
DIVISION OF THE STATE ARCHITECT
03-119266
AC [signature] FLS [signature] SSS [signature]
Date: DEC 21 2018

KEY PLAN




**PROJECT ISSUE DATE: 2018/12/20**

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| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE DSK JOB NO: 17012B
MISCELLANEOUS DETAIL

SHEET NUMBER
C-5.2

DRAFTER: Author PM: JL REVIEWER: JF

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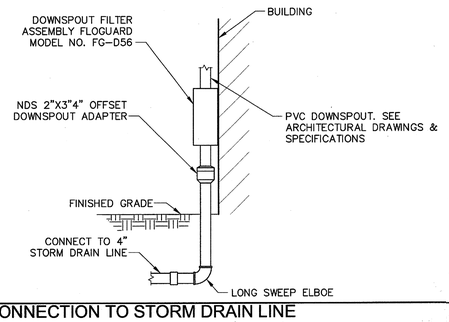
**A-338 — AREA DRAIN**
**NON-TRAFFIC**

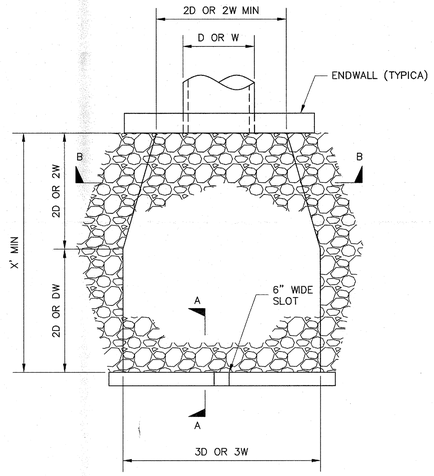
| PLATE NUMBER | SIZE OUTLET | TOP | WEIGHT | FINISH |
|---|---|---|---|---|
| ★A-338-3 | 3 | 9 | 11 | Blk. Galvanized or Brass Top |
| ★A-338-4 | 4 | 9 | 11 | Blk. Galvanized or Brass Top |

Caulk Outlet Only.

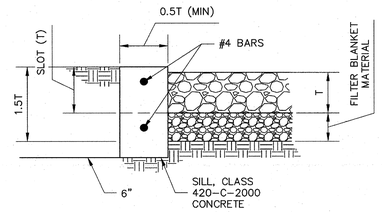
## 6 AREA DRAIN DETAIL
SCALE: NOT TO SCALE



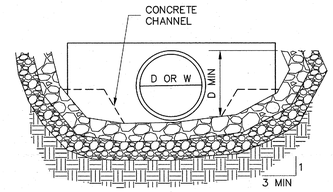

## 1 DOWNSPOUT CONNECTION TO STORM DRAIN LINE
SCALE: NOT TO SCALE




PLAN




SECTION A-A




SECTION B-B

| DESIGN VELOCITY (FT/SEC)* | ROCK CLASSIFICATION | T |
|---|---|---|
| ≥ | | |
| 6 | NO. 2 BACKING | 1.1 FT |
| 10 | ¼ TON | 2.7 FT |
| 12 | ½ TON | 3.5 FT |
| 14 | 1TON | 4.4 FT |
| 16 | 2TON | 5.4 FT |

*OVER 18 fps SPECIAL DESIGN

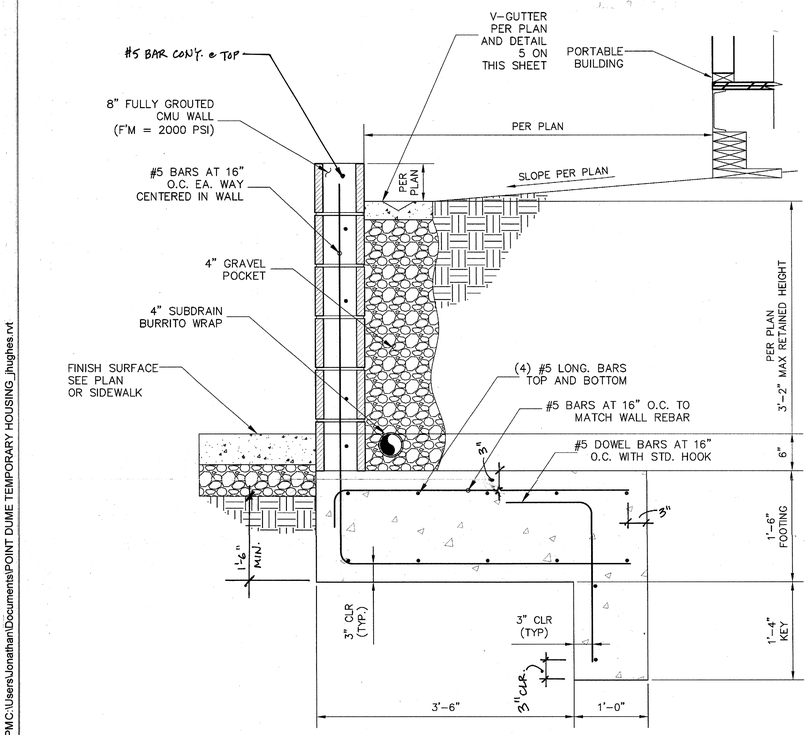
D = PIPE DIAMETER

W = BOTTOM WIDTH OF CHANNEL

## NOTES:

1. PLANS SHALL SPECIFY:
   A) ROCK CLASS AND THICKNESS (T).
   B) FILTER BLANKET MATERIAL, NUMBER OF LAYERS AND THICKNESS.
2. RIP RAP SHALL BE EITHER QUARRY STONE OR BROKEN CONCRETE (IF SHOWN ON THE PLANS). COBBLES ARE NOT ACCEPTABLE.
3. RIP RAP SHALL BE PLACED OVER A GEOTEXTILE FILTER FABRIC FILTER BLANKET MATERIAL SHALL BE PLACED UNDER THE FABRIC WHEN SPECIFIED.
4. SEE CITY SUPPLEMENT FOR SELECTION OF FILTER MATERIAL.
5. RIP RAP ENERGY DISSIPATORS SHALL BE DESIGNATED AS EITHER TYPE 1 OR TYPE 2. TYPE 1 SHALL BE WITH CONCRETE SILL; TYPE 2 SHALL BE WITHOUT SILL.

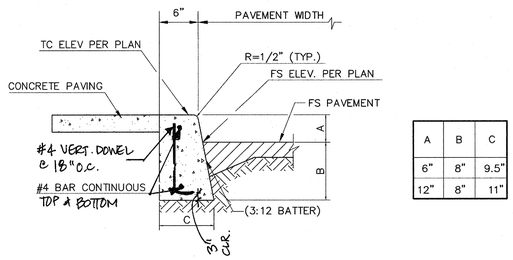
## 2 ENERGY DISSIPATOR DETAIL
SCALE: NOT TO SCALE




### NOTES:

1. CONCRETE, FC'=3,000 PSI @ 28 DAYS PER SSPWC.
2. REBARS, FY=60,000 PSI ASTM 615, GRADE 60.

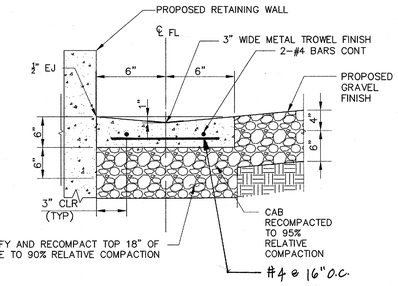
## 3 RETAINING WALL
SCALE: NOT TO SCALE




CROSS SECTION

| A | B | C |
|---|---|---|
| 6" | 8" | 9.5" |
| 12" | 8" | 11" |

## 4 CONCRETE CURB DETAIL
SCALE: NOT TO SCALE




### NOTES:

1. CONCRETE, FC'=3,000 PSI @ 28 DAYS PER SSPWC.
2. REBARS, FY=60,000 PSI ASTM 615, GRADE 60.

## 5 CONCRETE V-GUTTER
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AGENCY STAMP

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DIVISION OF THE STATE ARCHITECT
03-119266
ACS Date: DEC 7 2018 PLS SSS

KEY PLAN




**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
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| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
MISCELLANEOUS DETAIL

DSK JOB NO: 17012B

SHEET NUMBER
C-5.3

DRAFTER: Author PM: JL REVIEWER: JF

NO GRADING WILL BE ALLOWED ON SLOPES GREATER THAN 4:1 BETWEEN NOVEMBER 1 AND MARCH 31. DO NOT BEGIN ANY GRADING WORK WHICH CANNOT BE COMPLETED PRIOR TO NOVEMBER 1 ON ANY SLOPES GREATER THAN 4:1

EXISTING ASPHALT PAVEMENT

EXISTING CONCRETE WALK

EXISTING BUILDING

EXISTING GRASS

EXISTING PLAYGROUND

EXISTING LAWN

EXISTING ASPHALT PAVEMENT

EXISTING BASKETBALL COURT

EXISTING LAWN

## CONSTRUCTION NOTES:

1. INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET C-6.2.
2. SILT FENCE PER DETAIL 5 ON SHEET C-6.2.
3. STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 4 ON SHEET C-6.2.
4. PROPOSED AREA MATERIAL AND DISPOSAL AREA. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CPM. REFER TO DETAIL 7 ON SHEET C-6.2.
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9. TIRE WASH PER DETAIL 8 ON SHEET C-6.2.
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11. WRAP TREE TRUNKS WITH PROTECTIVE MATERIAL. AVOID ANY FILL PLACED AGAINST TREE TRUNK. DO NOT INCREASE SOIL DEPTH WITHIN DRIP LINE.

## SHEET NOTES:

1. LOCATION FOR ANY DESIGNATED STOCKPILES SHALL BE COORDINATED AND DETERMINED BY THE CONTRACTOR ON-SITE. CONTRACTOR SHALL APPLY ALL APPLICABLE BMP'S TO PROTECT THE STOCKPILE AS OUTLINED IN DETAIL 7 ON SHEET C-6.2.
2. INSTALL 2" OF TEMPORARY CAB GRAVEL ON ALL ON-SITE CONSTRUCTION ROADWAYS TO STABILIZED AND CONTROL EROSION.
3. CONTRACTOR SHALL FROM TIME TO TIME MONITOR THE CONSTRUCTION SITE TO CLEAN AND SWEEP MATERIALS TRACKED OFF SITE.
4. ALL BMP'S, SILT FENCES, ETC., SHALL BE MONITORED AND MAINTAINED BY THE NTP1 CONTRACTOR FOR THE ENTIRE DURATION OF THE CONTRACT.
5. CONTRACTOR SHALL MONITOR WASTEWATER DISCHARGE (INCLUDING STORM RUNOFF) TO ENSURE IT MEETS STANDARDS SET BY APPROPRIATE LAWS, CODES, REGULATIONS, ORDINANCES AND PERMITS. PROVIDE A SETTLING BASIN AND OIL SEPARATOR PRIOR TO ITS DISCHARGE TO CITY OR COUNTRY SEWERS. PROVIDE A WATER SAMPLING STATION DOWNSTREAM OF BASIN FOR MONITORING OF WASTE WATER. DISPOSE OF WASTEWATER IN CLOSED CONDUITS SO AS NOT TO DAMAGE PUBLIC OR PRIVATE PROPERTY NOR CREATE A NUISANCE OR HEALTH HAZARD.
6. CONTRACTOR SHALL NOT DISCHARGE POLLUTANTS DOWNSTREAM OF THE SETTLING BASIN/OIL SEPARATOR. THESE POLLUTANTS INCLUDE LUBRICANTS, FUELS, CHEMICALS, AND BITUMENS. CONTROL USE OF LUBRICATING OILS, HYDRAULIC FLUIDS, GREASES, AND OTHER SUCH PRODUCTS. PROMPTLY CLEAN UP AND PROPERLY DISPOSE OF MATERIALS CONTAMINATED BY SPILLAGE OR LEAKAGE OF PRODUCTS.
7. THE CONTRACTOR SHALL MODIFY AS REQUIRED THE CURRENT APPROVED SWPPP/EROSION CONTROL PLANS FOR EACH PHASE OF THE PROJECT OR AS CONSTRUCTION ACTIVITIES PROGRESS THROUGH THE DURATION OF THE CONTRACT. THESE MODIFICATIONS SHALL BE REPORTED AND COORDINATED WITH BOTH THE QSD AND THE QSP. ANY MODIFICATIONS TO THE OVERALL DURATION OF CONSTRUCTION SCHEDULE FROM THAT AS SHOWN ON THE CURRENT SWPPP, SHALL ALSO BE REPORTED TO THE QSD. THE QSD SHALL THAN BE REQUIRED TO FILE AN EXTENSION OF CONSTRUCTION OR COI, (CHANGE OF INFORMATION), WITH THE STATE WATER RESOURCE CONTROL BOARD. ALL BMP'S SHALL BE MAINTAINED YEAR ROUND TO THE SATISFACTION OF THE QSD AND QSP.
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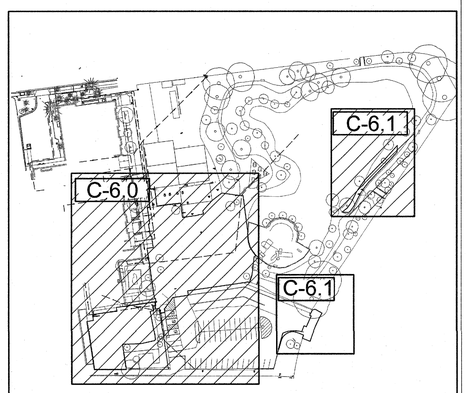


KEY MAP
NOT TO SCALE

EROSION CONTROL PLAN

10 5 0 10 20
GRAPHIC SCALE
SCALE 1" – 10'

SMMUSD
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ACS
Date: DEC 21 2018

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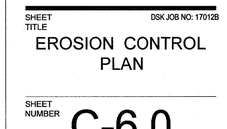


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SHEET TITLE
EROSION CONTROL PLAN

DSK JOB NO: 170128

SHEET NUMBER
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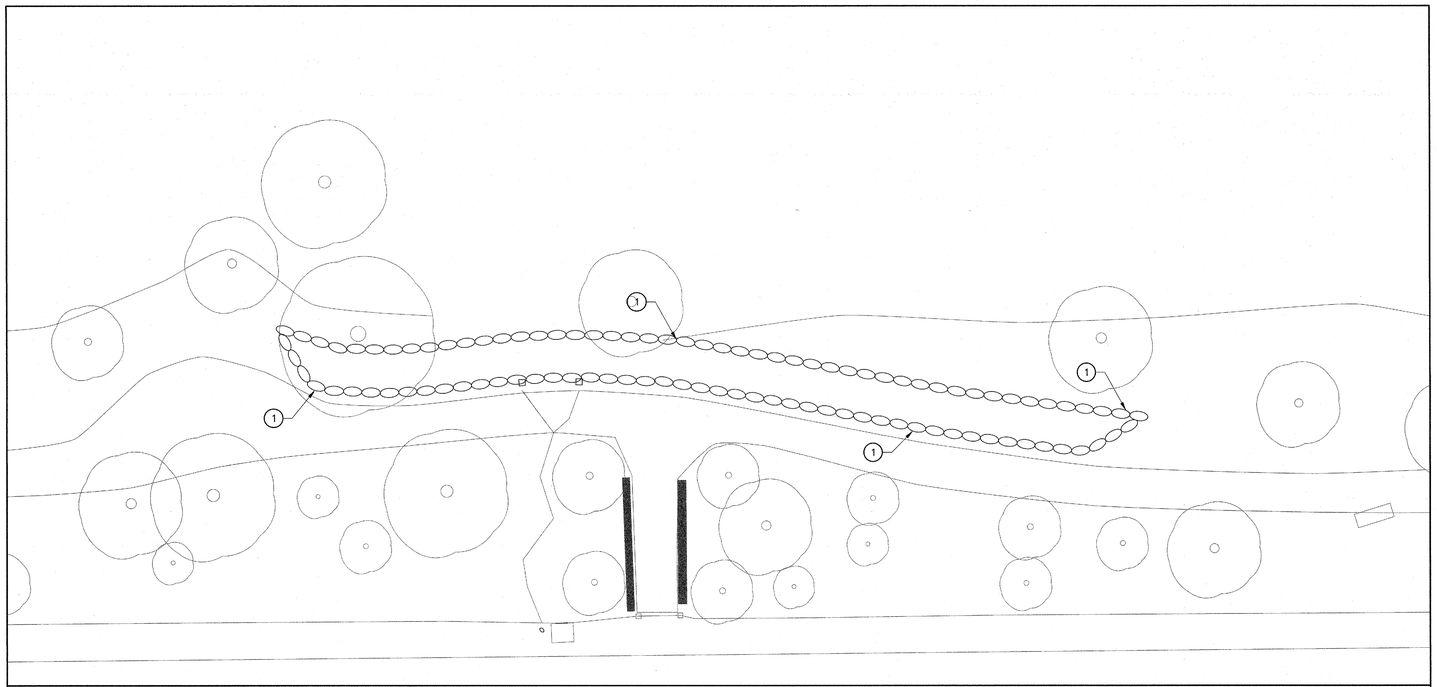


EROSION CONTROL PLAN

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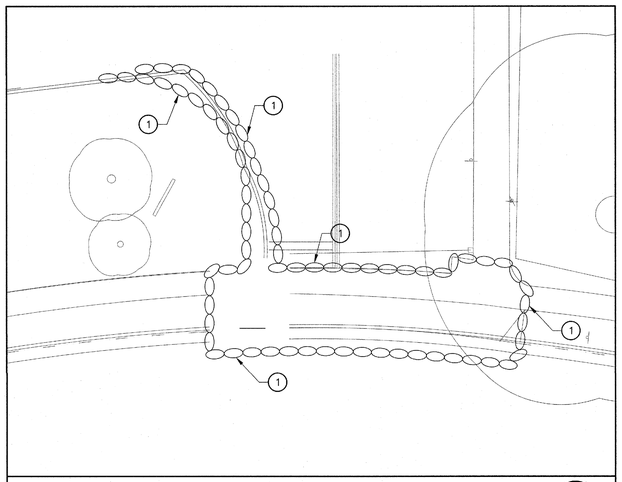
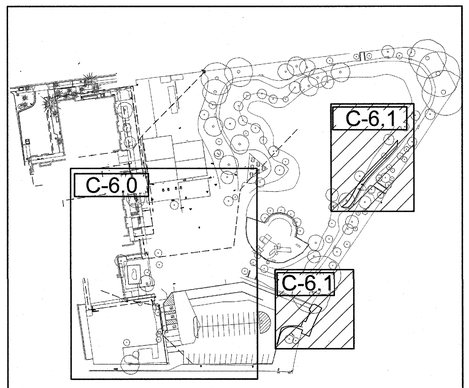



EROSION CONTROL PLAN

SCALE 1" – 10'




KEY MAP

NOT TO SCALE

10 5 0 10 20

GRAPHIC SCALE

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REGISTERED PROFESSIONAL ENGINEER — JONATHAN FU HUGHES — No. C35079 — Exp. 8/30/20 — CIVIL — STATE OF CALIFORNIA

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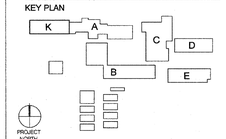


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SHEET TITLE

EROSION CONTROL PLAN

DSK JOB NO: 17012B

SHEET NUMBER

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## GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL 911.
2. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON SITE WHEREVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE QSP. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
10. EVERY EFFORT MUST BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITE AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASTED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF SELF-INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST). AT HIS/HER EXPENSE THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A QUALIFIED SWPPP PRACTITIONER FOR THE DURATION OF THE PROJECT.
16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION QUALITY."
20. THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE "CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK" – JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER OR THE BUILDING OFFICIAL).

EROSION CONTROL

EC1 – SCHEDULING
EC2 – PRESERVATION OF EXISTING VEGETATION
EC3 – HYDRAULIC MULCH
EC4 – HYDROSEEDING
EC5 – SOIL BINDERS
EC6 – STRAW MULCH
EC7 – GEOTEXTILES AND MATS
EC8 – WOOD MULCHING
EC9 – EARTH DIKES AND DRAINAGE SWALES
EC10 – VELOCITY DISSIPATION DEVICES
EC11 – SLOPE DRAINS
EC12 – STREAMBANK STABILIZATION
EC13 – POLYACRYLAMIDE

TEMPORARY SEDIMENT CONTROL

SE1 – SILT FENCE
SE2 – SEDIMENT BASIN
SE3 – SEDIMENT TRAP
SE4 – CHECK DAM
SE5 – FIBER ROLLS
SE6 – GRAVEL BAG BERM
SE7 – STREET SWEEPING AND VACUUMING
SE8 – GRAVEL BAG BARRIER
SE9 – STRAW BALE BARRIER
SE10 – STORM DRAIN INLET PROTECTION

WIND EROSION CONTROL

WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 – STABILIZED CONSTRUCTION ROADWAY
TC3 – ENTRANCE/OUTLET TIRE WASH

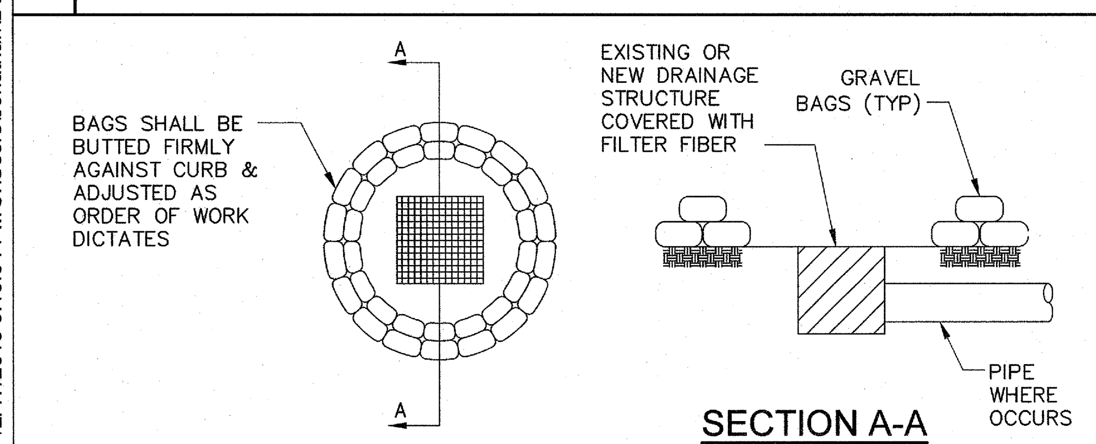
NON-STORMWATER MANAGEMENT

NS1 – WATER CONSERVATION PRACTICES
NS2 – DEWATERING OPERATIONS
NS3 – PAVING AND GRINDING OPERATIONS
NS4 – TEMPORARY STREAM CROSSING
NS5 – CLEARWATER DIVERSION
NS6 – ILLICIT CONNECTION/DISCHARGE
NS7 – POTABLE WATER/IRRIGATION
NS8 – VEHICLE AND EQUIPMENT CLEANING
NS9 – VEHICLE AND EQUIPMENT FUELING
NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS11 – PILE DRIVING OPERATIONS
NS12 – CONCRETE CURING
NS13 – CONCRETE FINISHING
NS14 – MATERIAL AND EQUIPMENT USE
NS15 – DEMOLITION ADJACENT TO WATER
NS16 – TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

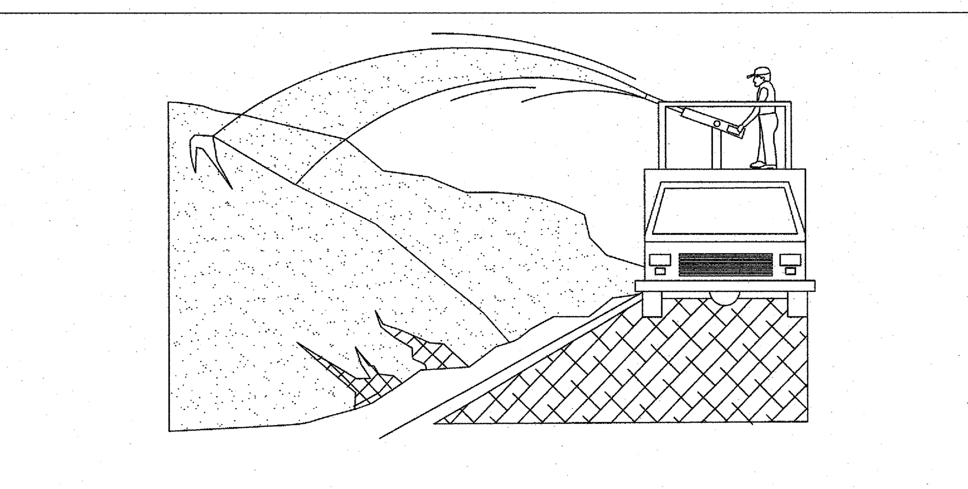
WM1 – MATERIAL DELIVERY AND STORAGE
WM2 – MATERIAL USE
WM3 – STOCKPILE MANAGEMENT
WM4 – SPILL PREVENTION AND CONTROL
WM5 – SOLID WASTE MANAGEMENT
WM6 – HAZARDOUS WASTE MANAGEMENT
WM7 – CONTAMINATION SOIL MANAGEMENT
WM8 – CONCRETE WASTE MANAGEMENT
WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM10 – LIQUID WASTE MANAGEMENT

### 1 GENERAL NOTES




### 2 GRAVEL BAG CHECKDAM
SCALE: NOT TO SCALE

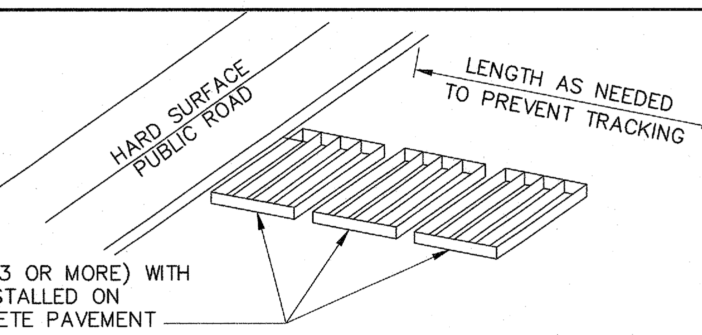
dsk architects Copyright ©
Plotted on 12/17/2018 5:15:04 PMC:\Users\Jonathan\Documents\POINT DUME TEMPORARY HOUSING_jhughes.rvt



## NOTES:

1. SOIL/SLOPE STABILIZATION PRACTICES SHALL BE DESIGNED TO PRESERVE EXISTING VEGETATION WHERE FEASIBLE AND TO REVEGETATE OPEN AREAS AS SOON AS FEASIBLE AFTER GRADING. THESE CONTROL PRACTICES SHALL INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, OR OTHER SOIL STABILIZATION PRACTICES.
2. SOIL STABILIZATION SHALL BE IMPLEMENTED ON ALL INACTIVE DISTURBED AREAS FROM NOVEMBER 1 THRU APRIL 15 AND ON ALL DISTURBED AREAS DURING A RAIN EVENT OR POTENTIAL RAIN.
3. STABILIZATION PRACTICES SHALL CONTROL/PREVENT EROSION FROM THE FORCES OF WIND AND WATER.
4. STABILIZATION PRACTICES SHALL BE IMPLEMENTED IN CONJUNCTION WITH SEDIMENT TRAPPING/FILTERING PRACTICES AND PRACTICES TO REDUCE THE TRACKING OF SEDIMENT ONTO PAVED ROADS.
5. WHEN USING STRAW MULCHING, THE MINIMUM APPLICATION SHALL BE 2 TONS/ACRE. MULCH MUST BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.
6. WHEN USING HYDROSEEDING/MULCHING, THE MINIMUM APPLICATION OF WOOD FIBER SHALL BE 1,500 LBS/ACRE, THAT DOES NOT CONTAIN MORE THAN 50 PERCENT NEWSPRINT.
7. FOR SEEDING RECOMMENDATIONS, USDA, NATURAL RESOURCES CONSERVATION SERVICE.

### 3 EROSION CONTROL




## NOTES:

1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:

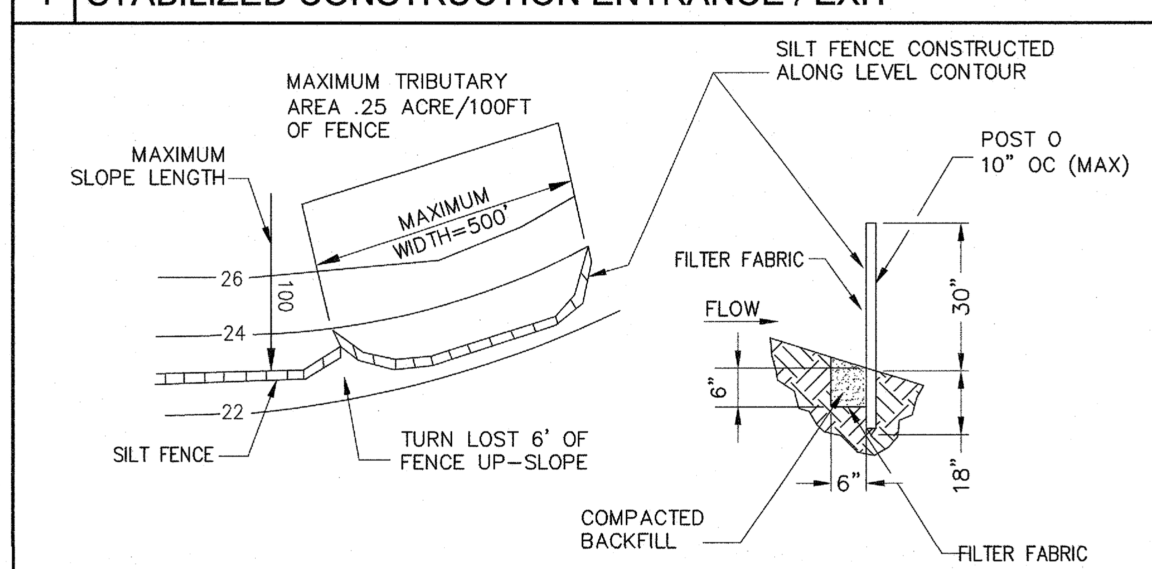
   A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE RD OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.

   B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

## STREET MAINTENANCE

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

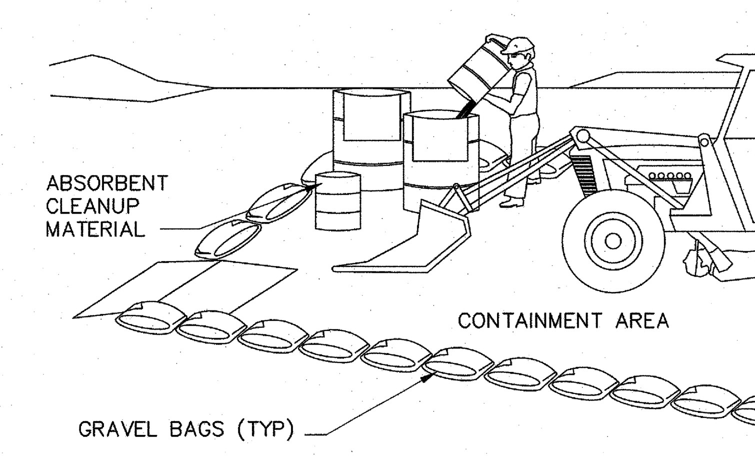
### 4 STABILIZED CONSTRUCTION ENTRANCE / EXIT




## NOTES:

1. CONSTRUCT THE SILT FENCE ALONG A LEVEL CONTOUR.
2. SILT FENCES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
3. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOE OF SLOPE OR OTHER OBSTRUCTIONS. ABOUT 1200 SQ. FT. OF PONDING AREA SHALL BE PROVIDED FOR EVERY ACRE DRAINING TO THE FENCE.
4. TURN THE ENDS OF THE FILTER FENCE UPHILL TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
5. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.
6. DO NOT PLACE IN LIVE STREAM OR INTERMITTENTLY FLOWING CHANNELS.
7. WHEN STANDARD FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG. TIE WIRES OR HOG RINGS.

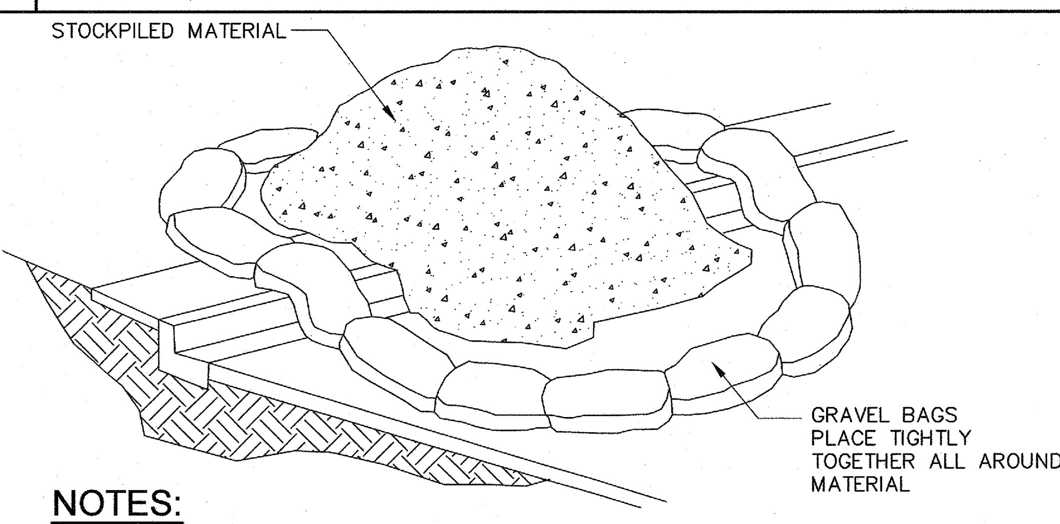
### 5 SILT FENCE




## NOTES:

1. LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT; DO NOT FLUSH WITH WATER.
2. VEHICLES AND EQUIPMENT SHALL BE MAINTAINED AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.
3. DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, WAY FROM STORM DRAIN INLETS AND WATERCOURSES.
4. ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS.
5. LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.
6. PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.
7. MAINTAIN ON ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREA.

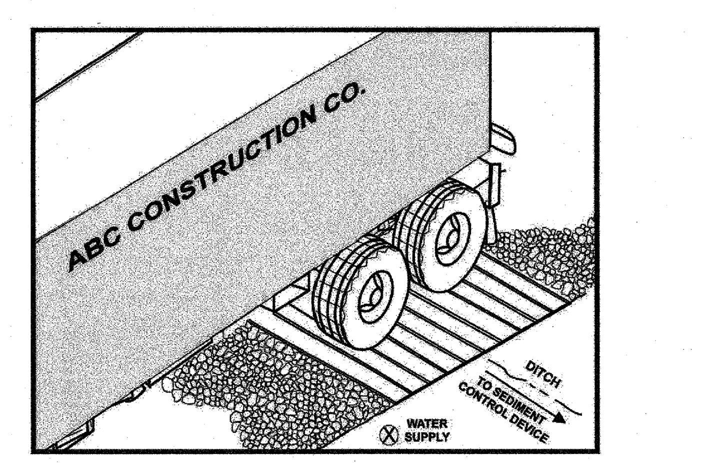
### 6 EQUIPMENT REPAIR/MAINTENANCE




## NOTES:

1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS ARE TO BE PLACED ON WBMWD AT A LOCATION SUITABLE TO WBMWD OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. STORED MATERIALS SHOULD BE COVERED IN PLASTIC AND HAVE STRAW WADDLES AT THE BASE TO PREVENT WIND AND RAIN EROSION.

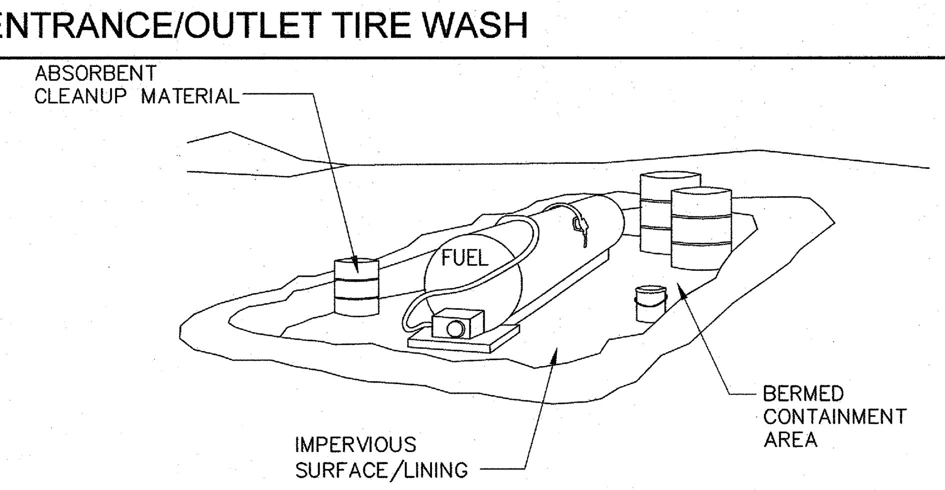
### 7 MATERIAL STORAGE
NOT TO SCALE




## NOTES:

1. THE TIRE WASH REQUIRES A SUPPLY OF WASH WATER.
2. A TURNOUT OR DOUBLEWIDE EXIT IS REQUIRED TO AVOID HAVING ENTERING VEHICLES DRIVE THROUGH THE WASH AREA.
3. DO NOT USE WHERE WET TIRE TRUCKS LEAVING THE SITE LEAVE THE ROAD DANGEROUSLY SLICK.
4. INCORPORATE WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.
5. CONSTRUCT ON LEVEL GROUND WHEN POSSIBLE, ON A PAD OF COARSE AGGREGATE GREATER THAN 3 IN. BUT SMALLER THAN 6 IN. A GEOTEXTILE FABRIC SHOULD BE PLACED BELOW THE AGGREGATE.
6. WASH RACK SHOULD BE DESIGNED AND CONSTRUCTED/MANUFACTURED FOR ANTICIPATED TRAFFIC LOADS.

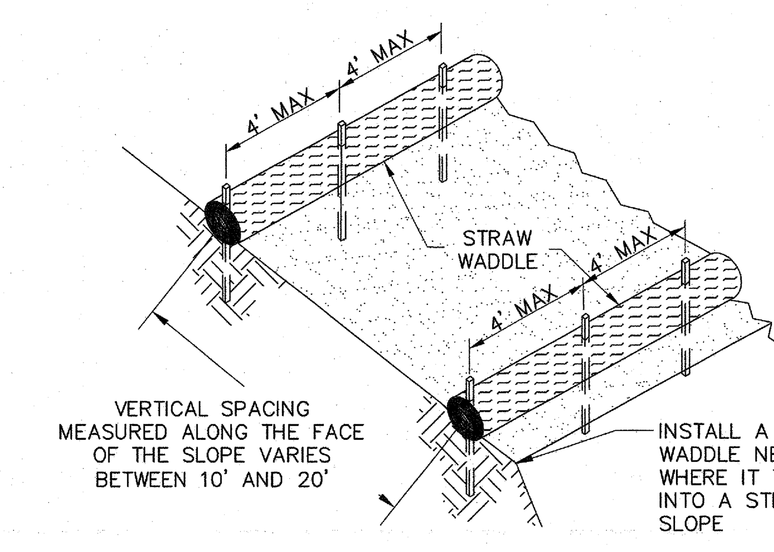
### 8 ENTRANCE/OUTLET TIRE WASH




## NOTE:

FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM COURSES. ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.

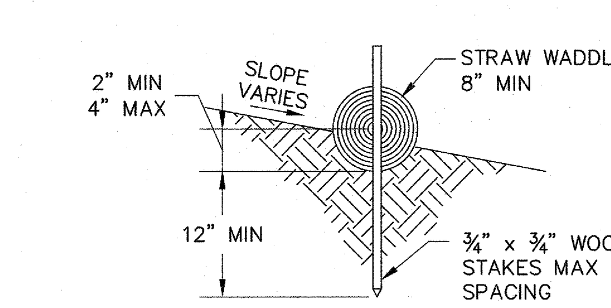
### 9 VEHICLE / EQUIPMENT FUELING




## NOTES:

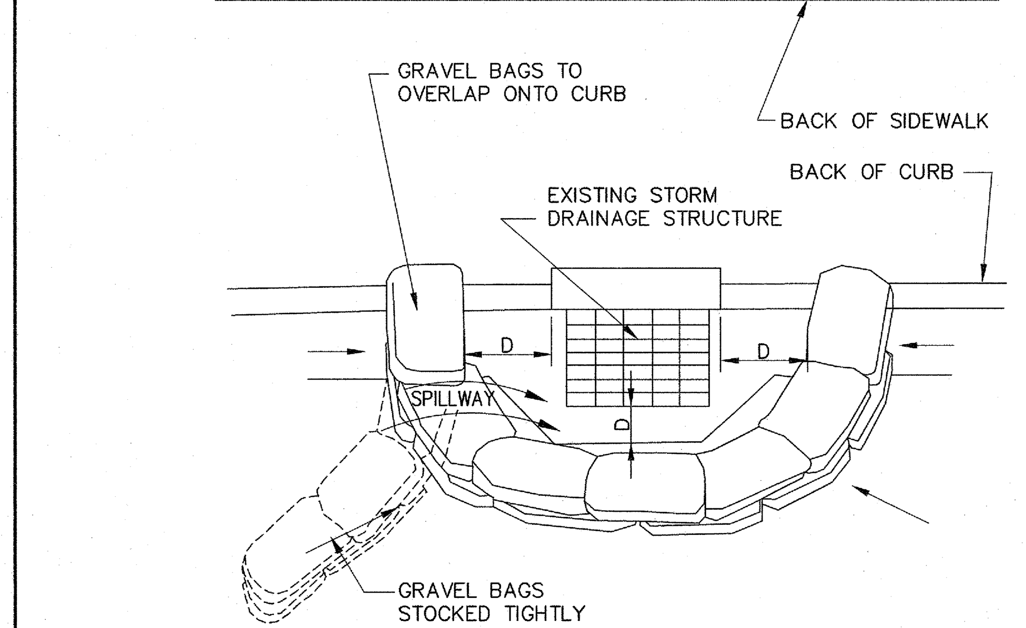
INSTALL STRAW WADDLE ALONG A LEVEL CONTOUR.

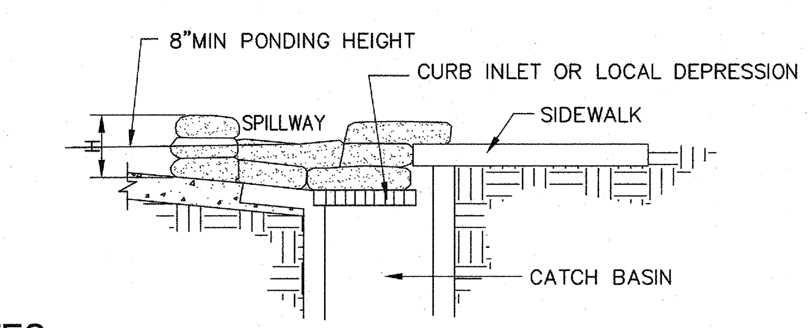
TYPICAL STRAW WADDLE INSTALLATION




ENTRENCHMENT DETAIL

### 10 STRAW WADDLE DETAIL
SCALE: NOT TO SCALE




## NOTES:

1. INLET PROTECTION IS REQUIRED ALONG WITH OTHER POLLUTION PREVENTION MEASURES SUCH AS: EROSION CONTROL, SOIL STABILIZATION, AND MEASURES TO PREVENT TRACKING ONTO PAVED SURFACES.
2. MODIFY INLET PROTECTION AS NEEDED TO AVOID CREATING TRAFFIC HAZARDS.
3. INCLUDE INLET PROTECTION MEASURES AT HILLSIDE V-DITCHES AND MISCELLANEOUS DRAINAGE SWALES.
4. INLET PROTECTION SHALL BE PROTECTED AND ACCUMULATED SEDIMENTS REMOVED. SEDIMENT SHALL BE DISPOSED OF PROPERTY AND IN A MANNER THAT ASSURES THAT THE SEDIMENT DOES NOT ENTER THE STORM DRAIN SYSTEM.
5. DAMAGED BAGS SHALL BE REPLACED IMMEDIATELY.
6. ADDITIONAL SANDBAG SEDIMENT TRAPS SHALL BE PLACED AT INTERVALS AS INDICATED ON SITE PLANT.
7. CATCH BASINS REQUIRE FILTER FABRIC.

### 11 CATCH BASIN/INLET PROTECTION

## OWNER STATEMENT OF UNDERSTANDING:

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS TO CONTROL STORM WATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS. I, OR MY REPRESENTATIVE, CONTRACTOR, DEVELOPER, OR ENGINEER, WILL MAKE CERTAIN THAT ALL BMP SHOWN ON THIS PLAN WILL BE FULLY IMPLEMENTED, AND ALL EROSION CONTROL DEVICES WILL BE KEPT CLEAN AND FUNCTIONING. PERIODIC INSPECTIONS OF THE BMPs WILL BE CONDUCTED AND A CURRENT LOG, SPECIFYING THE EXACT NATURE OF THE INSPECTION AND ANY REMEDIAL MEASURES, WILL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES AND WILL BE AVAILABLE FOR THE REVIEW BY THE BUILDING OFFICIAL.

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE LOCAL SWPPP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE LOCAL SWPPP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY THE LAW."

______________________________ ________
OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE) DATE

### 12 STATEMENT OF UNDERSTANDING

SMMUSD
SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT
2828 4th Street, Santa Monica, CA 90405 310.399.5865

dsk architects
926 Natoma Street, Suite 200, San Francisco, CA 94103 415.839.6418 / Fax 415.839.7584
1539 Sawtelle Blvd, Suite 14, Los Angeles, CA 90025 310.254.2263

REGISTERED PROFESSIONAL ENGINEER VIRGILIO C. AGANAN No. C36079 Exp. 6/30/20 CIVIL STATE OF CALIFORNIA

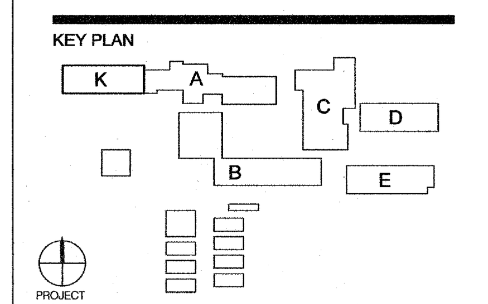
CONSULTANT
VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE • DBE • SBE
Quality Service Commitment
1041 S. Garfield Avenue, Suite #210
Alhambra. CA 91801
Tel. 323.729.6098 Fax. 323.729.6043

PROJECT NAME
POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
POINT DUME ELEMENTARY SCHOOL
6955 Fernhill Dr, Malibu, CA 90265

AGENCY STAMP
FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
AC ___ FLS ___ SSS ___
Date: DEC 2 1 2018

KEY PLAN




PROJECT ISSUE DATE: 2018/12/20

| DATE | NO. | REVISIONS |
| --- | --- | --- |
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
DSK JOB NO: 17012B

SITE EROSION PLAN

SHEET NUMBER
C-6.2

DRAFTER: Author PM: JL REVIEWER: JF

(E) BLDG

PROPOSED 14' X 24' SHADE STRUCTURE

EXISTING CONCRETE WALK

EXISTING RUBBER PAD / PLAY SURFACE

PROPOSED 36' X 40' KINDERGARTEN PORTABLE FF=137.17'

EXISTING LAWN

EXISTING PLAYGROUND

EXISTING BUILDING

EXISTING BUILDING

EXISTING CONCRETE WALK

PROPOSED 12' X 40' TOILET PORTABLE FF = 132.56'

PROPOSED 36' X 40' OFFICE PORTABLE FF = 132.26'

PROPOSED 24' X 49' CLASSROOM PORTABLE FF = 132.10'

PROPOSED 24' X 40' CLASSROOM PORTABLE FF = 131.06'

PROPOSED 24' X 40' CLASSROOM PORTABLE FF = 131.05'

PROPOSED 24' X 40' CLASSROOM PORTABLE FF = 130.41'

PROPOSED 24' X 40' CLASSROOM PORTABLE FF = 130.46'

PROPOSED 24' X 40' CLASSROOM PORTABLE FF = 129.67'

PROPOSED 24' X 40' CLASSROOM PORTABLE FF = 129.72'

EXISTING ASPHALT PAVEMENT

EXISTING CONCRETE WALK

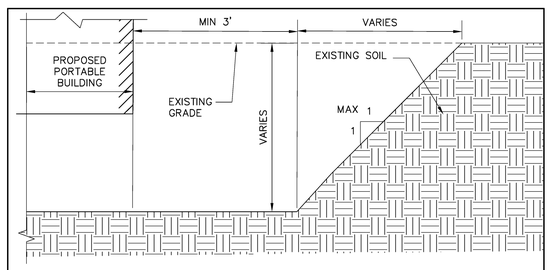
EXISTING BASKETBALL COURT

EXISTING CONCRETE WALK

(E) AC

(E) AC

EXISTING LAWN




1 TEMPORARY EXCAVATION
NOT TO SCALE

## LEGEND:

AT LEAST 12" PROPOSED SUBGRADE UP TO 5 FT. COMPLETELY EXCAVATE TO EXPOSE COMPETENT UNDISTURBED NATIVE EARTH MATERIAL AND REPLACE WITH ENGINEERED FILL

PROPOSED SUBGRADE BELOW BUILDING PADS UP TO 5 FT. COMPLETELY EXCAVATE TO EXPOSE COMPETENT UNDISTURBED NATIVE EARTH MATERIAL AND REPLACE WITH ENGINEERED SUBGRADE. OVEREXCAVATION EXTEND HORIZONTALLY 3 FT. OUTSIDE OF WALL FOORING LINE.

1:1 SLOPE TRANSITION

## GEOTECHNICAL NOTES:

THIS OVEREXCAVATION PLAN WAS CREATED PER RECOMMENDATIONS MADE BY THE GEOTECHNICAL REPORT PREPARED BY LEIGHTON CONSULTING, INC. DATED DECEMBER 27, 2018.

GENERAL

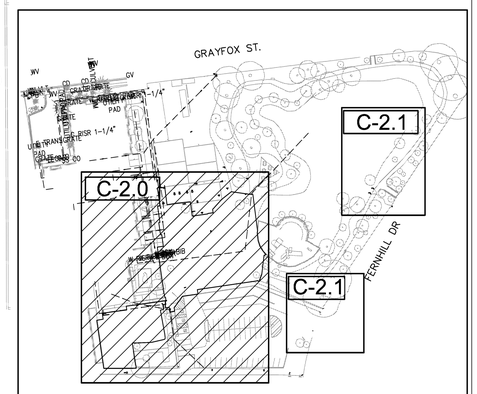
1. THE PROPOSED MODULAR BUILDINGS, SHADE STRUCTURE, AND SITE IMPROVEMENTS SHALL BE SUPPORTED ON A LAYER OF ENGINEERED FILL. WE ANTICIPATE THE MAJORITY OF THE ONSITE SOIL SHALL BE SUITABLE FOR USE AS ENGINEERED FILL. OUR EXPLORATORY BORINGS INDICATE UP TO APPROXIMATELY 5 FT OF UNDOCUMENTED ARTIFICIAL FILL MANTLES THE SITE. UNDOCUMENTED ARTIFICIAL FILL MAY BE DEEPER IN AREAS NOT EXPLORED. UNDOCUMENTED ARTIFICIAL FILL SOILS BELOW AREAS OF PROPOSED BUILDINGS, STRUCTURES, AND AREAS TO RECEIVE NEW FILL TO ACHIEVE PROPOSED GRADES SHALL BE COMPLETELY EXCAVATED TO EXPOSE COMPETENT, UNDISTURBED NATIVE EARTH MATERIAL THEN REWORKED AND REPLACED AS ENGINEERED FILL.
2. PROPOSED PAVEMENT SECTIONS AND CONCRETE FLATWORK SHALL BE SUPPORTED ON A SUBGRADE THAT CONSISTS A LAYER OF ENGINEERED FILL AT LEAST 12 INCHES IN THICKNESS.

SITE GRADING

3. FOLLOWING ALL DEMOLITION AND REMOVAL ACTIVITIES, PRIOR TO GENERAL SITE GRADING SURFICIAL VEGETATION AND DELETERIOUS, ORGANIC, AND OVERSIZED MATERIALS GREATER THAN 6 INCHES IN MAXIMUM DIMENSION SHALL BE REMOVED FROM THE CONSTRUCTION AREA.
4. REMEDIAL GRADING OF THE SITE IS RECOMMENDED TO PREPARE THE SITE FOR CONSTRUCTION OF PLANNED IMPROVEMENTS, INCLUDING BUILDING PADS, PERIMETER SLOPES, AND SITE RETAINING WALLS. IN GENERAL, GRADING ACTIVITIES SHALL REMOVE ALL EXISTING ARTIFICIAL FILL DEPOSITS, WHERE ENCOUNTERED WITHIN THE STRUCTURAL INFLUENCE OF IMPROVEMENTS, AND BENEATH PROPOSED SLOPES. PER THE FINDINGS OF OUR EXPLORATORY BORINGS, THE MAXIMUM DEPTH OF FILL REMOVAL WILL BE ON THE ORDER OF APPROXIMATELY 5 FEET.
5. OVEREXCAVATION OF PROPOSED BUILDING PADS AND RETAINING WALL FOOTINGS SHALL EXTEND TO A DEPTH EXPOSING COMPETENT, UNDISTURBED NATIVE EARTH MATERIAL, AND EXTEND HORIZONTALLY AT LEAST 3 FEET OUTSIDE OF THE PROPOSED BUILDING LINES OR EDGE OF WALL FOOTING LINE.
6. OVEREXCAVATION OF PROPOSED PAVEMENT AND CONCRETE FLATWORK AREAS SHALL EXTEND AT LEAST 12 INCHES BELOW THE PROPOSED SUBGRADE ELEVATION. THE OVEREXCAVATION BOTTOM SHALL EXPOSE COMPETENT SOIL THAT IS FIRM AND UNYIELDING.
7. ALL EXCAVATION AND OVEREXCAVATION BOTTOMS SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER OF RECORD OR HIS REPRESENTATIVE PRIOR TO FILL REPLACEMENT. SOIL DEEMED AS UNSUITABLE, IF ANY, SHALL ALSO BE REMOVED. THE BOTTOMS SHALL THEN BE SCARIFIED TO A DEPTH OF APPROXIMATELY 6 INCHES, MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION PRIOR TO PLACEMENT OF ENGINEERED FILL PREPARED IN THE FOLLOWING MANNER.
8. ENGINEERED FILL SHALL CONSIST OF THE ON-SITE SANDY OR LEAN CLAY (CL) SOIL, PLACED IN LOOSE LIFTS (APPROXIMATELY 6 INCHES THICK), MOISTURE CONDITIONED, AS NECESSARY, TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION AS DETERMINED BY ASTM D 1557 STANDARD TEST METHOD (MODIFIED PROCTOR COMPACTION CURVE)
9. ANY SOIL CLASSIFIED AS FAT CLAY (CH) DERIVED FROM THE EXCAVATIONS DURING GRADING, SHALL NOT BE USED AS FILL FOR BUILDING PADS, PAVEMENT AND FLATWORK SUBGRADES, OR RETAINING WALL BACKFILL. THE FAT CLAY (CH) SHALL BE PLACED IN LANDSCAPING AREAS OF THE PROJECT DUE TO ITS POTENTIAL EXPANSIVE CHARACTERISTICS.

## SHEET NOTES:

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET C-1.0.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.
3. REFER TO C-4.0 FOR LIMIT OF UTILITY TRENCH




KEY MAP
NOT TO SCALE

NOTE TO PROJECT INSPECTOR: THIS SHEET ADDED IN RESPONSE TO THE GEOTECHNICAL REPORT. THESE CHANGES DO NOT IMPACT STRUCTURAL SAFETY, ACCESS COMPLIANCE, OR FIRE - LIFE SAFETY. THEY MAY THUS BE DEEMED A "CCD-B" AND HAVE NOT BEEN SUBMITTED TO DSA VIA FORMAL ADDENDUM, CONSISTENT WITH DSA IR A-6 SECTION 1.2.

SITE CONTROL PLAN

10 5 0 10 20
GRAPHIC SCALE
SCALE 1" = 10'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PROJECT NAME

# POINT DUME E.S. TEMPORARY HOUSING PROJECT

FACILITY INFO
**POINT DUME ELEMENTARY SCHOOL**
**6955 Fernhill Dr, Malibu, CA 90265**

AGENCY STAMP

FILE NUMBER: 19-96
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
03-119266
ACS_____ FLS_____ SSS_____
Date: _____

KEY PLAN

**PROJECT ISSUE DATE: 2018/12/20**

| DATE | NO. | REVISIONS |
|---|---|---|
| 2018/12/20 | | DSA BACKCHECK |

SHEET TITLE
OVEREXCAVATION PLAN

DSK JOB NO: 17012B

SHEET NUMBER
C-7.0

DRAFTER: Author PM: JL REVIEWER: JF


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