

LEWIS-PALMER SCHOOL DISTRICT 38

CONSTRUCTION PLANS FOR IMPROVEMENTS TO LEWIS-PALMER MIDDLE SCHOOL PARKING LOT EXPANSION



VICINITY MAP
NTS

SHEET NO. INDEX OF SHEETS

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| 3 South Tejon Street, Suite 300 Colorado Springs, CO 80903 Phone: 719.314.1800 www.FHUENG.com | | | | | | Void: | Detailer: WBB | Numbers | |
| | | | | | | Subset: TITLE | Sheets: TTL-01 | Sheet Number | 1 |

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS PRIMARILY, AND SECONDARILY THE LATEST EL PASO COUNTY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE LATEST CDOT M&S STANDARDS, AND EL PASO COUNTY PUBLIC WORKS GENERAL PROVISIONS, STANDARD SPECIFICATIONS, LATEST REVISIONS, OR AS SHOWN.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
3. NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE PROJECT ENGINEER.
4. SUBMITTALS SHALL BE MADE FOR ALL MATERIALS TO BE INCORPORATED INTO THIS PROJECT. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER.
8. THE PHYSICAL FEATURES WITHIN THE LIMITS OF THE PROJECT HAVE BEEN SHOWN BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FEATURES SHOWN. THE CONTRACTOR SHALL REVIEW AND VERIFY EXISTING PHYSICAL FEATURES AND ELEVATIONS AND INFORM THEMSELVES OF THE CONDITIONS TO BE ENCOUNTERED DURING THE CONSTRUCTION.
9. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL WITHIN 10 FT. OF THE EDGE OF THE TRAVELED WAY.
10. ALL CONSTRUCTION IS TO INCLUDE COMPACTION AND FINISH GRADING IN THE UNIT PRICE OF RELATED WORK ITEM.
11. ALL WORK SHALL BE DONE TO THE LINES, GRADES, SECTIONS, AND ELEVATIONS SHOWN ON THE PLANS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
12. THE OWNER SHALL BE NOTIFIED WITHIN 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
13. PAYMENT, DIMENSIONS AND RADII ARE SHOWN TO THE FLOWLINE UNLESS OTHERWISE NOTED.
14. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT HIS/HER OWN EXPENSE. PARKING OF CONSTRUCTION VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS ARE PROHIBITED.
15. THE CONTRACTOR SHALL NOT REMOVE AND SHALL PROTECT FROM DAMAGE ALL TREES, BUSHES, AND EXISTING IMPROVEMENTS INSIDE AND OUTSIDE OF THE LIMITS OF WORK UNLESS OTHERWISE SHOWN ON THE PLANS.
16. NO TREES SHALL BE REMOVED OR TRIMMED WITHOUT PRIOR ACKNOWLEDGMENT OF THE PROPERTY OWNER.
17. THE CONTRACTOR SHALL PROTECT THE EXISTING DRAINAGE STRUCTURES AND REROUTE ANY RUNOFF AS NECESSARY DURING CONSTRUCTION ACTIVITIES TO PREVENT EROSION AND DAMAGE. CONTRACTOR SHALL PROVIDE A REROUTE PLAN 48 HOURS PRIOR TO START OF WORK ON EXISTING DRAINAGE STRUCTURES FOR APPROVAL BY THE OWNER.
18. THE CONTRACTOR SHALL CLOSELY MONITOR ACCESS FOR HEAVY CONSTRUCTION EQUIPMENT THROUGH THE PROJECT AND RESIDENTIAL AREAS.
19. SHOULD THE CONSTRUCTION ACTIVITY CONTINUE PAST 7:00 P.M., THE CONTRACTOR SHALL ENSURE THAT THE NOISE LEVEL DOES NOT EXCEED THE LIMITS SPECIFIED IN THE COUNTY ORDINANCE.
20. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATION SHALL BE AS ORDERED. THE COST OF WATER FOR DUST PALLIATIVE SHALL BE INCIDENTAL TO OTHER BID ITEMS.

21. THE PHYSICAL FEATURES REQUIRING REMOVAL OR OBLITERATION WITHIN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND ASPHALT BE DISPOSED OF OFF-SITE. THE EXCEPTION IS TRAFFIC CONTROL DEVICES, WHICH SHALL BE SALVAGED.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY MONUMENT, RANGE POINTS, TIES, BENCHMARKS AND/OR SURVEY CONTROL POINTS WHICH MAY BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENT BY A REGISTERED PROFESSIONAL LAND SURVEYOR AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF COLORADO.
23. ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND WORK SHALL STOP UNTIL THE DISCREPANCY IS DISCUSSED AND DECISIONS/AGREEMENTS HAVE BEEN MADE.
24. APPROVAL OF THESE PLANS BY THE ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED. THE APPROVAL OF THESE PLANS OR ISSUANCE OF A PERMIT BY EL PASO COUNTY DOES NOT AUTHORIZE THE OWNER OR CONTRACTOR TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES.
25. THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE SPECIFICATIONS AND STANDARDS ON SITE FOR THE DURATION OF THE PROJECT.
26. THE CONTRACTOR SHALL OBTAIN AN APPROVED TRAFFIC CONTROL PLAN AND PERMIT PER EL PASO COUNTY REQUIREMENTS AND IN ACCORDANCE TO THE LATEST MUTCD STANDARDS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
27. BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE PRESENT ROADWAY AS DIRECTED. CLEANING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT.
28. A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) IS TO BE APPLIED BETWEEN PAVEMENT COARSE TO IMPROVE BOND. DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.
29. AS APPLICABLE THE FOLLOWING RATES WERE USED FOR PLAN QUANTITIES:

| ITEM | RATE |
|-----------------------------------|-----------------------------------|
| HOT MIX ASPHALT | 146.60 LBS/CF |
| AGGREGATE BASE COURSE | 133 LBS/CF |
| EMULSIFIED ASPHALT (SLOW SETTING) | 0.05 GAL/SY (0.10 GAL/SY DILUTED) |
| PAVEMENT MARKING | 85 SF/GAL |

TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW, TEMPORARY AND EXISTING TRAFFIC SIGNS FROM THE START OF THE CONSTRUCTION PROJECT UNTIL ACCEPTANCE BY OWNER.
2. ALL TRAFFIC SIGNS, PAVEMENT MARKINGS AND TRAFFIC SIGNALS SHALL MEET OR EXCEED MUTCD STANDARDS.

UTILITY GENERAL NOTES

1. UTILITY LINES SHOWN ON THE PLAN SHEETS ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION AND PROTECTION OF ALL UTILITIES IN PLACE.
2. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO (2) BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY OF NOTICE, PRIOR TO COMMENCING SUCH OPERATIONS. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 OR 1-800-922-1987, TO HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES. ALL OTHER UNDERGROUND FACILITIES SHALL BE LOCATED BY CONTACTING THE RESPECTIVE OWNER. UTILITY SERVICE LATERALS SHALL ALSO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING. THE CONTRACTOR SHALL LOCATE NON-MEMBER UTILITIES, SUCH AS STORM SEWER AND DITCH FACILITIES AS NECESSARY TO PREVENT DAMAGE THERETO.

3. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL UTILITIES AND STRUCTURES AFFECTED BY THE WORK AND ANY DAMAGE SHALL BE REPAIRED AND RESTORED TO THE SATISFACTION OF THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY RELOCATIONS AS NECESSARY. THE CITY ENGINEERING INSPECTIONS AND UTILITY DEPARTMENTS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WHERE THESE DEPARTMENTS MAY BE AFFECTED.
4. THE CONTRACTOR SHALL NOTIFY THE GAS DIVISION INSPECTOR AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION NEAR ANY GAS FACILITIES. THE GAS DIVISION WILL RELOCATE THE GAS SERVICES REQUIRED ON AN AS NEEDED BASIS.
5. EXCAVATION AT GAS LINES: TEMPORARY COVER DURING CONSTRUCTION SHALL BE AT LEAST 18 INCHES OVER THE GAS CONDUIT. FINISH GRADE MUST BE AT LEAST 2 FEET AND NO MORE THAN 6 FEET OVER THE GAS CONDUIT.
6. IN SOME OF THE PROPOSED AREAS OF CONSTRUCTION, EXISTING UNDERGROUND TELEPHONE AND CABLE TELEVISION FACILITIES MAY BE LOCATED IN CLOSE PROXIMITY TO THE WORK. THE CONTRACTOR MAY, IF NECESSARY, TEMPORARILY DISPLACE THE CABLES DURING CONSTRUCTION AND REINSTALL THEM IN ACCORDANCE WITH THE APPROPRIATE TELEPHONE OR CABLE TELEVISION COMPANY'S GUIDELINES. COORDINATION WITH BOTH THE TELEPHONE AND THE CABLE TELEVISION COMPANY IS REQUIRED TO BE DONE BY THE CONTRACTOR.
7. EXISTING AND PROPOSED JUNCTION BOX LIDS, WATER VALVES, SANITARY SEWER, OR STORM SEWER MANHOLE LIDS SHALL BE RAISED TO MATCH PROPOSED NEW GRADE. ALL ADJUSTMENTS OR MATERIALS REQUIRED FOR THE ADJUSTMENT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT UNLESS CALLED OUT AND QUANTIFIED IN THE PLANS.

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| CONTRACT ITEM NO. | CONTRACT ITEM | UNIT | PROJECT TOTALS | |
|-------------------|--|------|----------------|----------|
| | | | PLAN | AS CONST |
| 201-00000 | CLEARING AND GRUBBING | L S | 1 | |
| 202-00010 | REMOVAL OF TREE | EACH | 4 | |
| 202-00200 | REMOVAL OF SIDEWALK | SY | 10 | |
| 202-00203 | REMOVAL OF CURB AND GUTTER | LF | 145 | |
| 202-00220 | REMOVAL OF ASPHALT MAT | SY | 33 | |
| 202-00250 | REMOVAL OF PAVEMENT MARKING | SF | 648 | |
| 203-00010 | UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE) | CY | 700 | |
| 208-00201 | EROSION CONTROL | L S | 1 | |
| 304-06000 | AGGREGATE BASE COURSE (CLASS 6) | TON | 194 | |
| 403-00720 | HOT MIX ASPHALT (PATCHING) (ASPHALT) | TON | 5 | |
| 403-34741 | HOT MIX ASPHALT (GRADING SX) (75) (PG 64-22) | TON | 118 | |
| 411-10255 | EMULSIFIED ASPHALT (SLOW-SETTING) | GAL | 54 | |
| 608-00000 | CONCRETE SIDEWALK | SY | 117 | |
| 609-21020 | CURB AND GUTTER TYPE 2 (SECTION II-B) | LF | 59 | |
| 609-23001 | CURB AND GUTTER TYPE 5 | LF | 131 | |
| 620-00020 | SANITARY FACILITY | EACH | 1 | |
| 625-00000 | CONSTRUCTION SURVEYING | L S | 1 | |
| 626-00000 | MOBILIZATION | L S | 1 | |
| 627-00001 | PAVEMENT MARKING PAINT | GAL | 6 | |
| 700-70010 | F/A MINOR CONTRACT REVISIONS | F A | 1 | |

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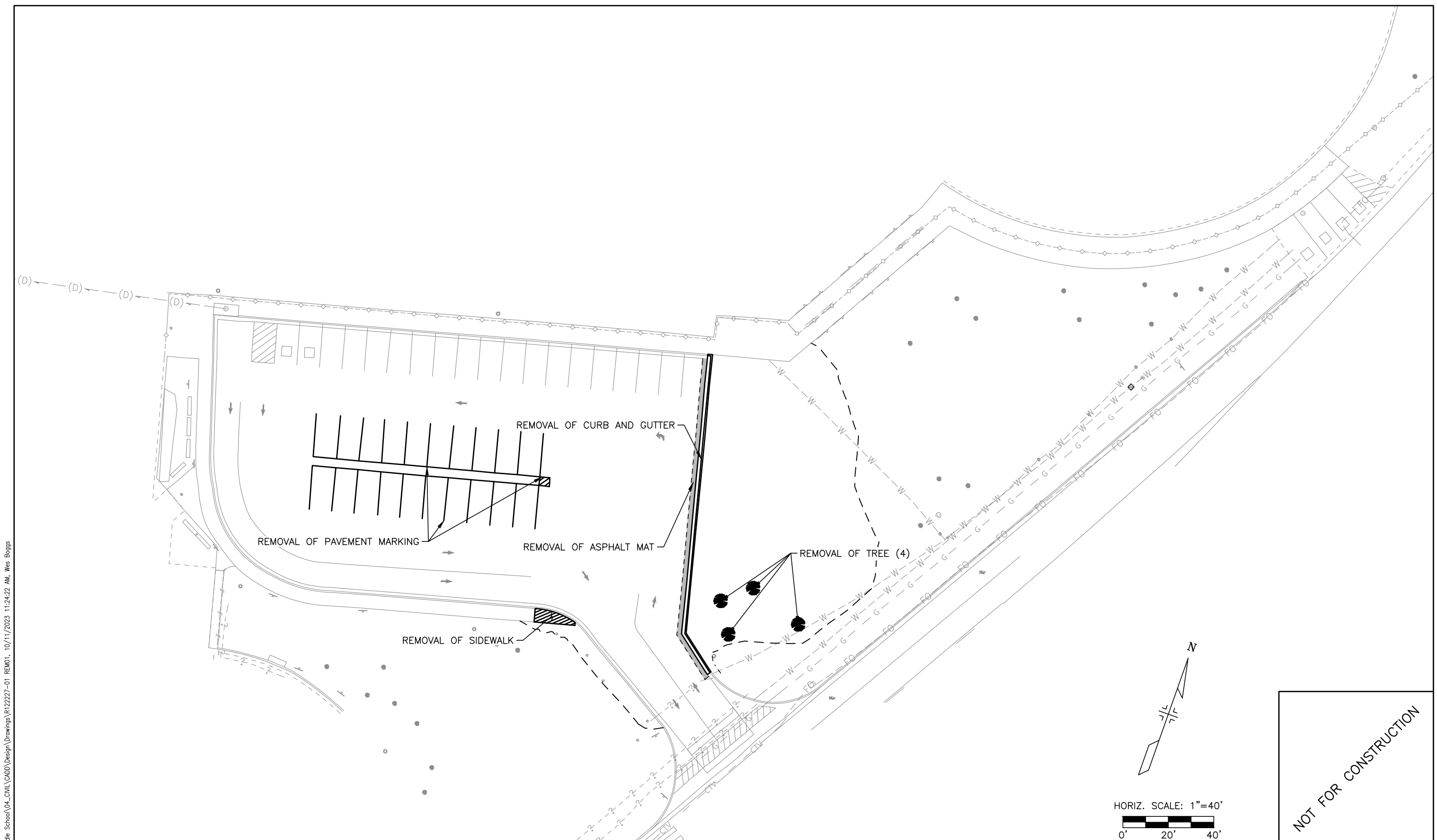
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**LEWIS-PALMER MIDDLE SCHOOL
 PARKING LOT EXPANSION
 REMOVAL PLAN**

Designer: WBB
 Detailer: WBB
 Subset: ROADWAY

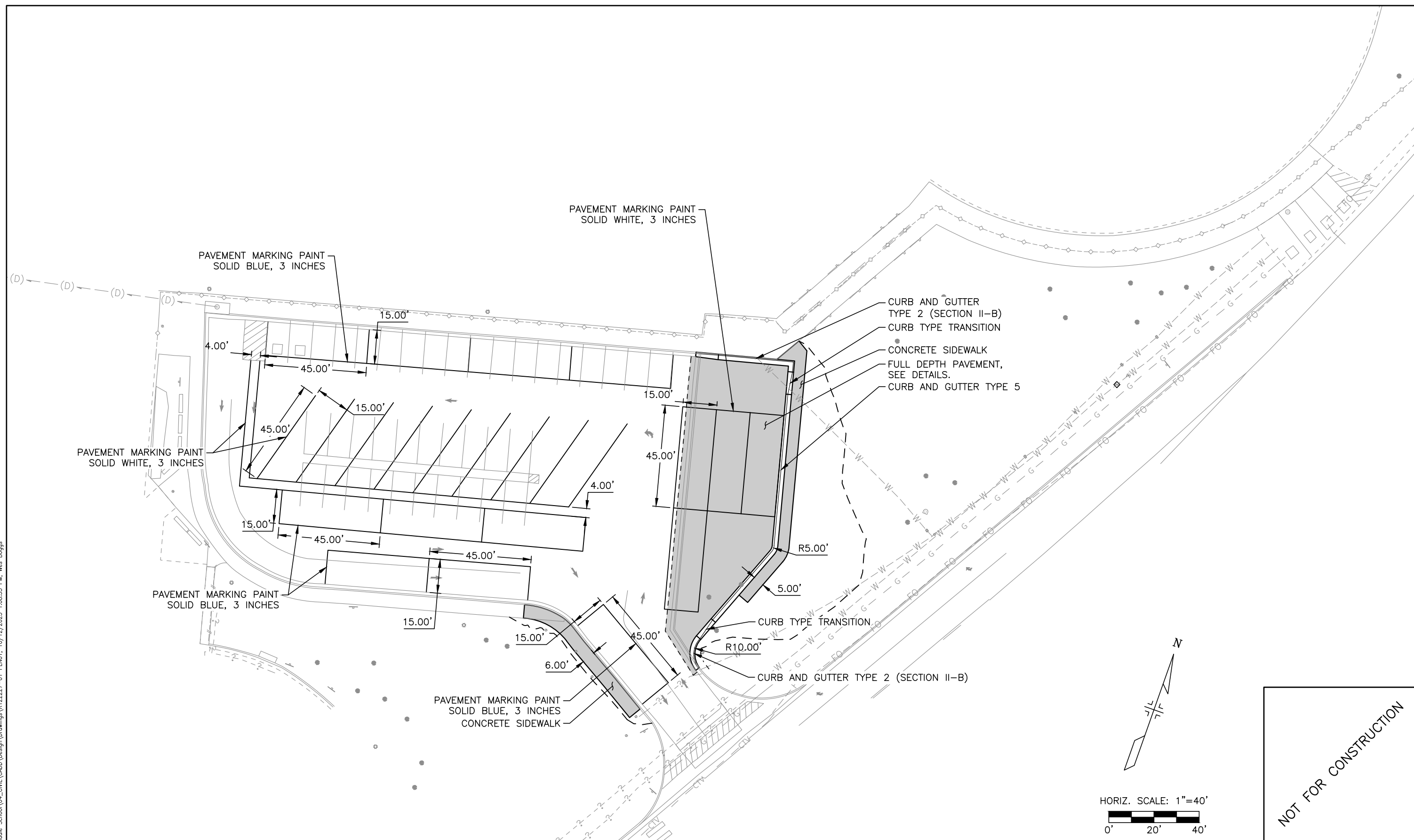
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 122227-01

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**LEWIS-PALMER MIDDLE SCHOOL
 PARKING LOT EXPANSION
 SITE PLAN**

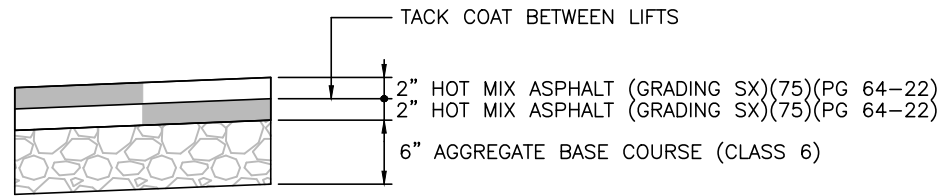
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 Subset: SITE PLAN

Structure Numbers
 Sheets: SP-1

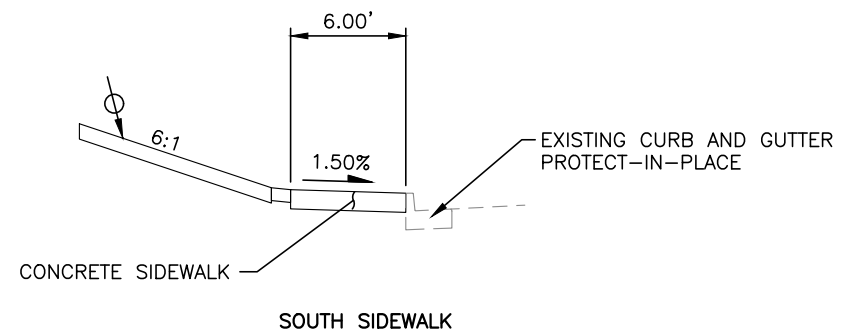
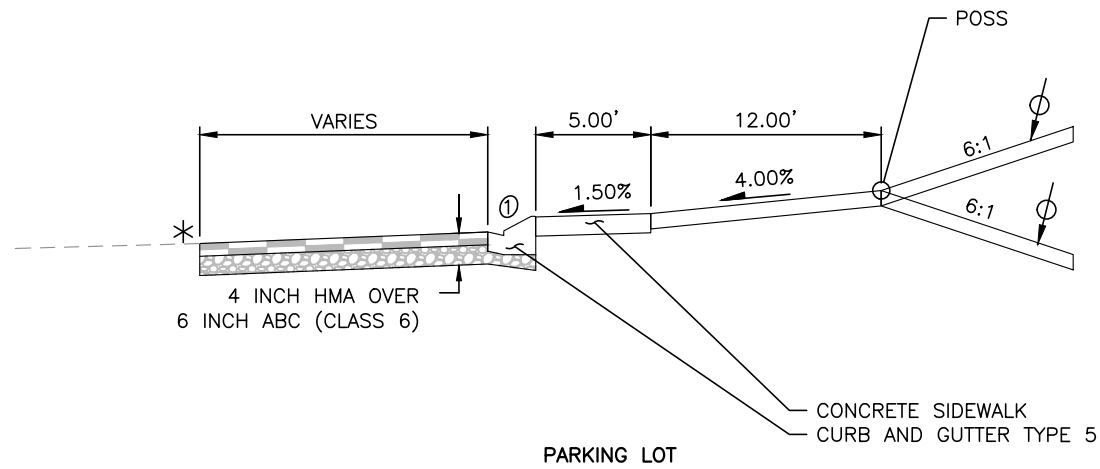
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4" HOT MIX ASPHALT PAVEMENT DETAIL
(PARKING LOT)



① - GUTTER CROSS SLOPES SHALL BE 1/2 IN/FT WHEN ROADWAY IS DRAINING AWAY FROM CURB AND 1 IN/FT WHEN ROADWAY IS DRAINING TOWARDS THE CURB.

POSS - POINT OF SLOPE SELECTION

⊕ - MINIMUM OF 6" TOPSOIL OR SPECIFIED ALTERNATIVE

* - MATCH EXISTING CROSS SLOPE OF PARKING LOT.

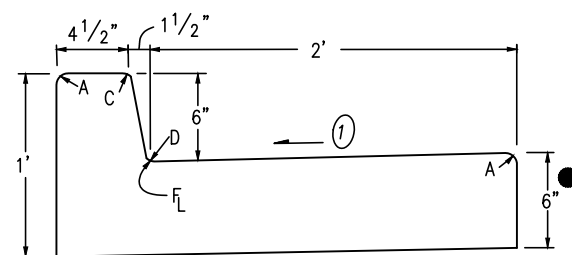
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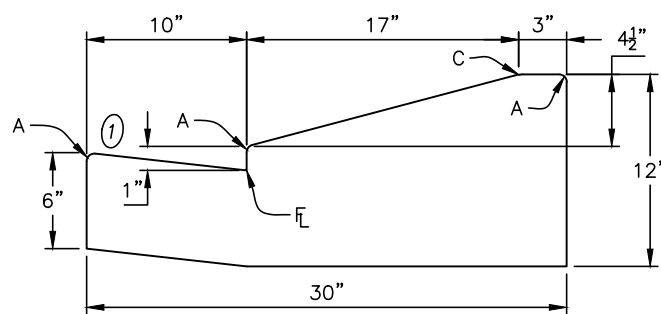
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GENERAL NOTES

1. ON CURVES 3 DEGREES OR SHARPER, CURBS AND/OR GUTTERS ARE TO BE PLACED ON THE ARC OF THE CURVE UNLESS OTHERWISE NOTED ON THE PLANS. A MAXIMUM CHORD LENGTH OF 10 FEET MAY BE USED WHEN THE DEGREE OF CURVE IS LESS THEN 3 DEGREES.
2. CONCRETE SHALL BE CLASS B.
3. PROFILE GRADE OF CURBS AND GUTTERS SHALL BE LOCATED AT THE FLOW LINE.
- ▲ EXPANSION JOINTS SHALL BE INSTALLED WHEN ABUTTING EXISTING CONCRETE OR FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE 1/2 IN. THICK AND SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE.
- ① GUTTER CROSS SLOPES SHALL BE 1/2 IN./FT. WHEN DRAINING AWAY FROM CURB AND 1IN./FT. WHEN DRAINING TOWARD CURB.
- WHEN TIE BARS ARE REQUIRED, THE GUTTER THICKNESS SHALL BE INCREASED TO THE PAVEMENT THICKNESS (T). BARS SHALL BE EPOXY-COATED #4 CONFORMING TO AASHTO M 284M AND SPACED 2 FT.-6 IN. THEY SHALL BE INSERTED 1/2 AND 1/2 LENGTH INTO THE GUTTER.

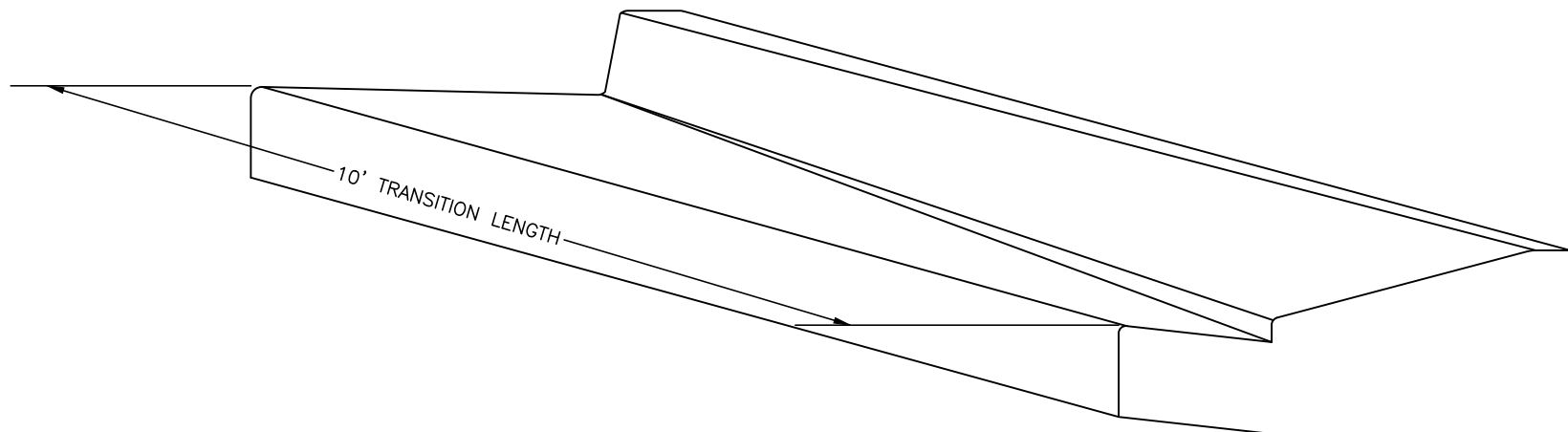


CURB AND GUTTER TYPE 2
(SECTION IIB)
(6" BARRIER - 2' GUTTER)



CURB AND GUTTER TYPE 5

| LEGEND FOR RADII | |
|------------------|----------------|
| A | = 1/8" TO 1/4" |
| B | = 1" |
| C | = 1 1/2" |
| D | = 1 1/2" TO 2" |



CURB TRANSITION TYPE 2 TO TYPE 5

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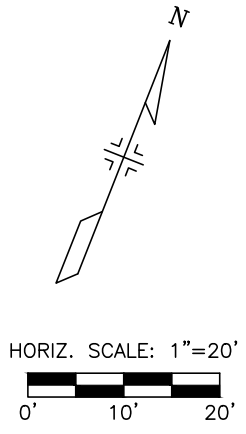
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| POINT NAME | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|------------|------------|------------|-----------|---------------|
| 01.01 | 1463522.49 | 3182995.68 | 7120.79 | FRONT OF WALK |
| 01.02 | 1463517.26 | 3182992.74 | 7120.88 | BACK OF WALK |
| 01.03 | 1463536.19 | 3182970.93 | 7120.10 | FRONT OF WALK |
| 01.04 | 1463530.91 | 3182968.07 | 7120.19 | BACK OF WALK |
| 01.05 | 1463543.90 | 3182957.13 | 7119.76 | FRONT OF WALK |
| 01.06 | 1463538.62 | 3182954.27 | 7119.85 | BACK OF WALK |
| 01.07 | 1463546.68 | 3182931.13 | 7119.12 | FRONT OF WALK |
| 01.08 | 1463540.95 | 3182932.86 | 7119.24 | BACK OF WALK |

| POINT NAME | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|------------|------------|------------|-----------|---------------|
| 02.01 | 1463547.49 | 3183012.35 | 7121.22 | LIP OF GUTTER |
| 02.02 | 1463555.32 | 3183006.60 | 7121.08 | LIP OF GUTTER |
| 02.03 | 1463561.85 | 3183006.99 | 7121.08 | LIP OF GUTTER |
| 02.04 | 1463571.29 | 3183010.29 | 7121.12 | LIP OF GUTTER |
| 02.05 | 1463586.35 | 3183015.54 | 7121.14 | LIP OF GUTTER |
| 02.06 | 1463593.36 | 3183017.99 | 7121.16 | LIP OF GUTTER |
| 02.07 | 1463602.80 | 3183021.29 | 7121.19 | LIP OF GUTTER |
| 02.08 | 1463612.36 | 3183023.18 | 7121.19 | LIP OF GUTTER |
| 02.09 | 1463621.95 | 3183020.36 | 7121.08 | LIP OF GUTTER |
| 02.10 | 1463631.55 | 3183017.54 | 7121.03 | LIP OF GUTTER |
| 02.11 | 1463641.14 | 3183014.73 | 7120.92 | LIP OF GUTTER |
| 02.12 | 1463650.74 | 3183011.91 | 7120.80 | LIP OF GUTTER |
| 02.13 | 1463660.33 | 3183009.09 | 7120.69 | LIP OF GUTTER |
| 02.14 | 1463669.93 | 3183006.28 | 7120.61 | LIP OF GUTTER |
| 02.15 | 1463675.95 | 3183004.51 | 7120.56 | LIP OF GUTTER |
| 02.16 | 1463685.55 | 3183001.69 | 7120.42 | LIP OF GUTTER |
| 02.17 | 1463687.93 | 3183000.99 | 7128.38 | LIP OF GUTTER |
| 02.18 | 1463684.76 | 3182990.20 | 7120.10 | LIP OF GUTTER |
| 02.19 | 1463681.94 | 3182980.61 | 7119.85 | LIP OF GUTTER |
| 02.20 | 1463679.11 | 3182970.97 | 7119.60 | LIP OF GUTTER |
| 02.21 | 1463676.72 | 3182961.24 | 7119.34 | LIP OF GUTTER |



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**LEWIS-PALMER MIDDLE SCHOOL
 PARKING LOT EXPANSION
 DETAILS**

Designer: WBB
 Detailer: WBB
 Subset: ROADWAY

Structure Numbers
 Sheets: RD-03

Project No./Code
 122227-01

Sheet Number
 8

LEWIS-PALMER SCHOOL DISTRICT 38

GRADING AND EROSION CONTROL PLANS

LEWIS-PALMER MIDDLE SCHOOL PARKING LOT EXPANSION

SHEET NO. INDEX OF SHEETS

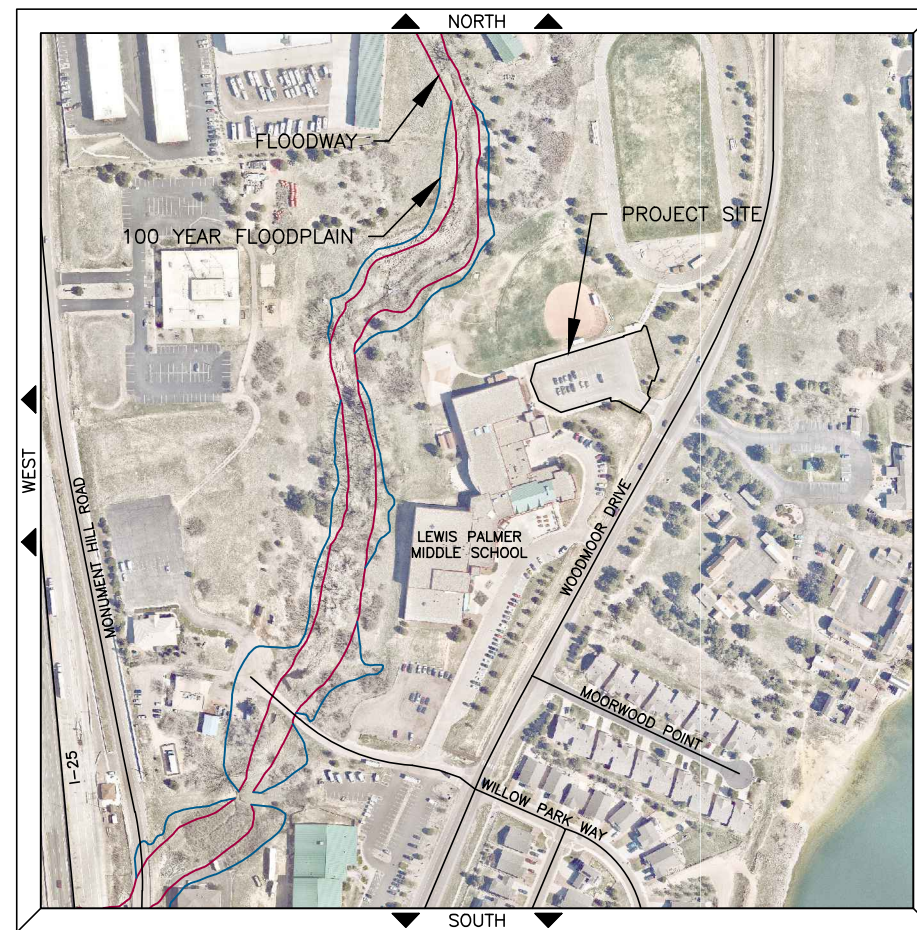
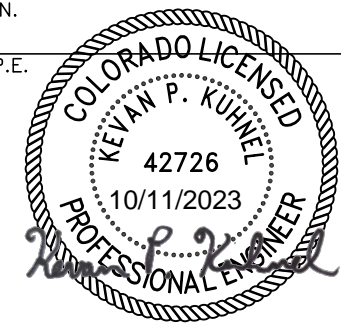
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|-------------|-------------------|
| T-01 | GEC TITLE SHEET |
| GNR-01 - 02 | GEC GENERAL NOTES |
| EN-01 | GEC INITIAL PLANS |
| ET-01 | GEC INTERIM PLANS |
| EF-01 | GEC FINAL PLANS |
| DET-01 - 05 | GEC DETAILS |

ENGINEER'S STATEMENT

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS, OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

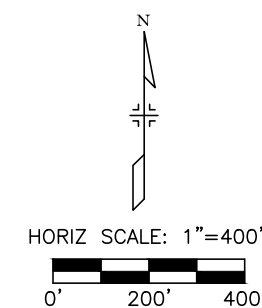
KEVAN P. KUHNEL, P.E.

DATE



VICINITY MAP

TOTAL DISTURBED AREA = 0.46 ACRES



OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

OWNER SIGNATURE _____

DATE _____

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE. DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

COUNTY ENGINEER/ECM ADMINISTRATOR _____

DATE _____



NOT FOR CONSTRUCTION

Print Date: 10/11/2023

File Name: 122227-01GESQCP_01TTL&GNR.dwg

Horizontal Scale: 1" = 500' Vertical Scale: N/A

**FELSBURG
HOLT &
ULLEVIG**
3 South Tejon Street, Suite 300
Colorado Springs, CO 80903
Phone: 719.314.1800
www.FHUENG.com

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Sheet Revisions

| Date | Comments | Initials |
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As Constructed

No Revisions:

Revised:

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LEWIS-PALMER MIDDLE SCHOOL
GRADING & EROSION CONTROL PLANS
COVER SHEET

Designer: KPK
Detailer: DCB
Subset: GEC

Structure Numbers
Sheets: TTL-01

Project No./Code

122227-01

Sheet Number 9

GENERAL NOTES

1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME II. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON-SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE ESQCP IS APPROVED AND "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
5. CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
6. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
7. TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
8. FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
9. ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
10. EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
11. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
12. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.
13. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
14. DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON-SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
15. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPE STEEPER THAN 3:1.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
17. WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
18. TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
19. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN THE ROADS, STORM DRAINS, AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
20. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
21. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
22. BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
23. NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
24. OWNER/DEVELOPER AND THEIR AGENT SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
25. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
26. PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
27. A WATER SOURCE SHALL BE AVAILABLE ON-SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
28. THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY ENTECH ENGINEERING, INC. ON SEPTEMBER 12, 2023 TITLED "PAVEMENT DESIGN REPORT LEWIS-PALMER MIDDLE SCHOOL MONUMENT, COLORADO" AND SHALL BE CONSIDERED A PART OF THESE PLANS.



NOT FOR CONSTRUCTION

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| Print Date: 10/11/2023 | | <table border="1"> <thead> <tr> <th colspan="3">Sheet Revisions</th> </tr> <tr> <th>Date</th> <th>Comments</th> <th>Initials</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | | | Sheet Revisions | | | Date | Comments | Initials | | | | | | | | | | | | | As Constructed | | LEWIS-PALMER MIDDLE SCHOOL GRADING & EROSION CONTROL PLANS GENERAL NOTES | | Project No./Code | |
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GENERAL NOTES

29. AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF THE STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
 WATER QUALITY CONTROL DIVISION
 WQCD – PERMITS
 4300 CHERRY CREEK DRIVE SOUTH
 DENVER, CO 80246-1530
 ATTN: PERMITS UNIT

PROJECT NOTES

1. ANTICIPATED START DATE IS OCTOBER, 2023, LASTING FOR APPROXIMATELY 3 WEEKS. FINAL STABILIZATION WILL BE COMPLETED BY AUGUST 2024.
2. CONTRACTOR TO DETERMINE AND DOCUMENT LOCATION OF STAGING AREAS ON THE GRADING, EROSION, AND STORMWATER QUALITY CONTROL PLANS. POTENTIAL AREA IS DESIGNATED IN INTERIM PLANS.
3. DISTURBED AREA MUST BE LESS THAN 1 ACRE.
4. ALL DISTURBED AREAS THAT WILL BE RE-VEGETATED SHALL HAVE 6" OF TOPSOIL PLACED ON THEM PRIOR TO SEEDING. ADDITIONALLY, THESE SAME AREAS SHALL BE SOIL CONDITIONED AND HAVE EROSION CONTROL BLANKET PLACED AFTER SEEDING.
5. SOIL CONDITIONING SHALL BE APPLIED AT A RATE OF 300 LBS/ACRE BIOLOGICAL NUTRIENT ORGANICS BASED FERTILIZER (NOT TO EXCEED 8-8-8), 200 LBS/ACRE HUMATE, AND 65 CY/ACRE COMPOST.

EROSION CONTROL SHALL BE PAID AS LUMP SUM AND INCLUDE BMP INSTALLATION, INSPECTION, MAINTENANCE, AND REMOVAL. THE TABLE BELOW IS PROVIDED FOR REFERENCE ONLY:

| ITEM NAME | PAY UNIT | INI CONST | INT CONST | FIN CONST | TOTAL QUANTITY | UNIT COST | ITEM COST |
|-----------------------------------|----------|-----------|-----------|-----------|----------------|------------|-------------|
| Rock Sock | LF | 362 | 0 | 0 | 362 | \$11.00 | \$3,986.40 |
| Concrete Washout Structure | EACH | 1 | 0 | 0 | 1 | \$3,000.00 | \$3,000.00 |
| Vehicle Tracking Control | EACH | 1 | 0 | 0 | 1 | \$2,250.00 | \$2,250.00 |
| Sediment Control Log | LF | 0 | 313 | 0 | 313 | \$10.00 | \$3,132.00 |
| Inlet Protection | EACH | 1 | 0 | 0 | 1 | \$270.00 | \$270.00 |
| Seeding (Native) Drill | AC | 0.00 | 0.00 | 0.36 | 0.36 | \$1,350.00 | \$485.84 |
| Erosion Control Blanket (Class 1) | SY | 0 | 0 | 1742 | 1742 | \$3.50 | \$6,098.40 |
| Topsoil | CY | 0 | 0 | 290 | 290 | \$15.00 | \$4,356.00 |
| Soil Conditioning | AC | 0.00 | 0.00 | 0.36 | 0.36 | \$5,000.00 | \$1,799.40 |
| Subtotal | | | | | | | \$25,378.04 |
| 20% Contingency | | | | | | | \$5,075.61 |
| Grand Total | | | | | | | \$30,453.65 |

SEED MIX

| Common Name | Scientific Name | Growth Season/Form | % of Mix | Pounds Pure Live Seed (PLS) |
|---------------------------------|-------------------------------|--------------------|----------|-----------------------------|
| Bluestem, big | <i>Andropogon gerardii</i> | Warm, sod | 20 | 1.1 |
| Grama, blue | <i>Bouteloua gracilis</i> | Warm, bunch | 10 | 0.13 |
| Green needlegrass | <i>Nassella viridula</i> | Cool, bunch | 10 | 0.5 |
| Wheatgrass, western | <i>Pascopyrum smithii</i> | Cool, sod | 20 | 1.6 |
| Grama, sideoats | <i>Bouteloua curtipendula</i> | Warm, bunch | 10 | 0.5 |
| Switchgrass | <i>Panicum virgatum</i> | Warm, bunch/sod | 10 | 0.2 |
| Prairie sandreed | <i>Calimovilfa longifolia</i> | Warm, sod | 10 | 0.3 |
| Yellow indiagrass | <i>Sorghastrum nutans</i> | Warm, sod | 10 | 0.5 |
| Seed rate (lbs PLS/acre) | | | | 4.8 |








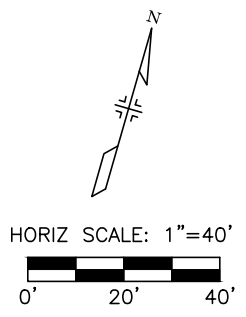
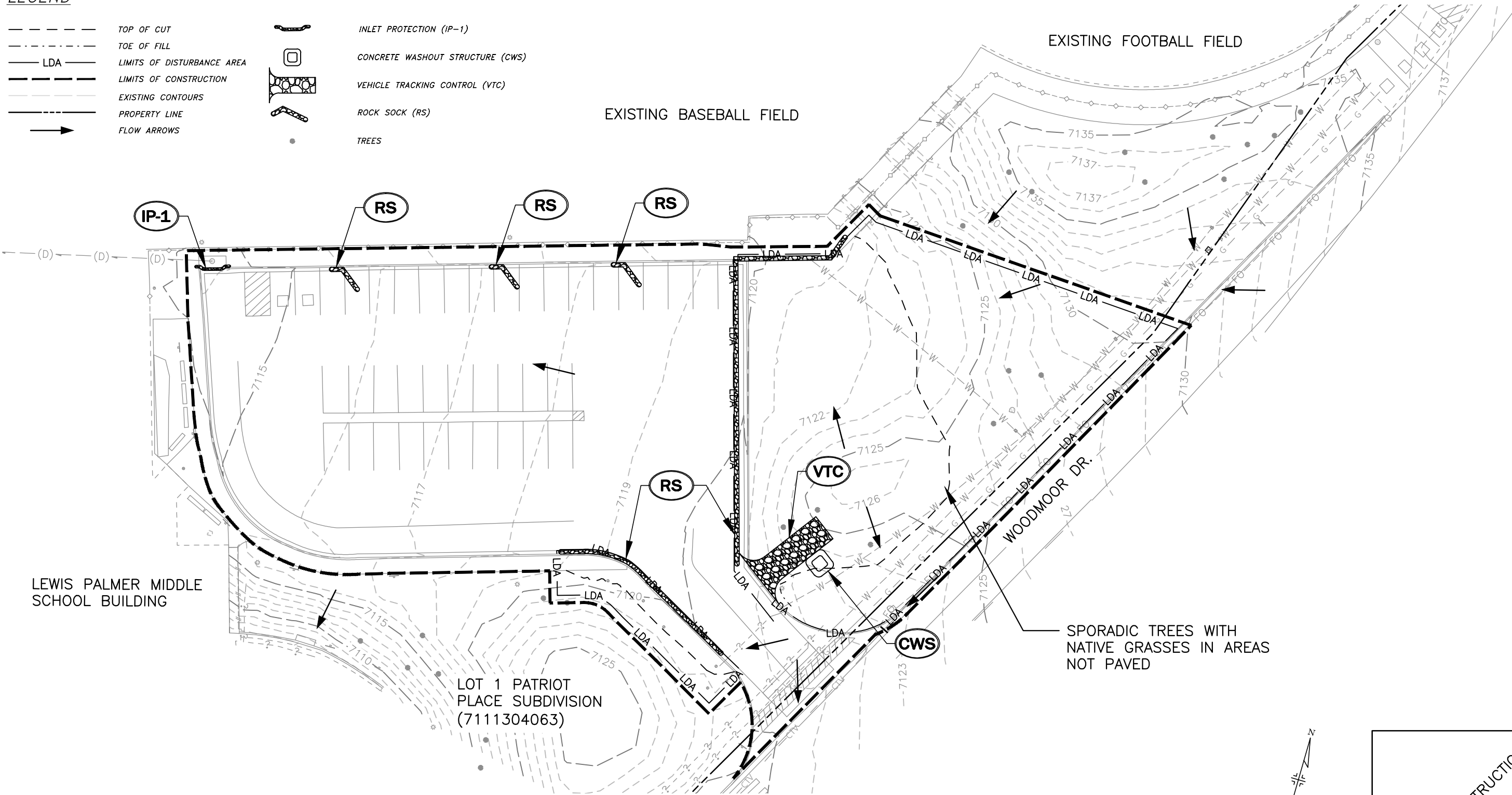
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| File Name: 122227-01GESQCP_01TTL&GNR.dwg | | Date | Comments | Initials | | No Revisions: | | | 122227-01 |
| Horizontal Scale: N/A Vertical Scale: N/A | | | | | | Revised: | Designer: KPK | Structure Numbers | |
| 3 South Tejon Street, Suite 300 Colorado Springs, CO 80903 Phone: 719.314.1800 www.FHUENG.com | | | | | Detailer: DCB | | | Sheet Number 11 | |
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LEGEND

- TOP OF CUT
- - - TOE OF FILL
- LDA — LIMITS OF DISTURBANCE AREA
- LIMITS OF CONSTRUCTION
- - - EXISTING CONTOURS
- PROPERTY LINE
- FLOW ARROWS
-  INLET PROTECTION (IP-1)
-  CONCRETE WASHOUT STRUCTURE (CWS)
-  VEHICLE TRACKING CONTROL (VTC)
-  ROCK SOCK (RS)
-  TREES



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 Revised:
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**LEWIS-PALMER MIDDLE SCHOOL
 INITIAL GRADING AND EROSION
 CONTROL PLAN**

Designer: KPK
 Detailer: DCB
 Subset: EROSION

Structure Numbers
 Sheets: EI-01 OF 01

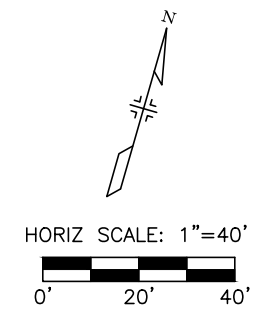
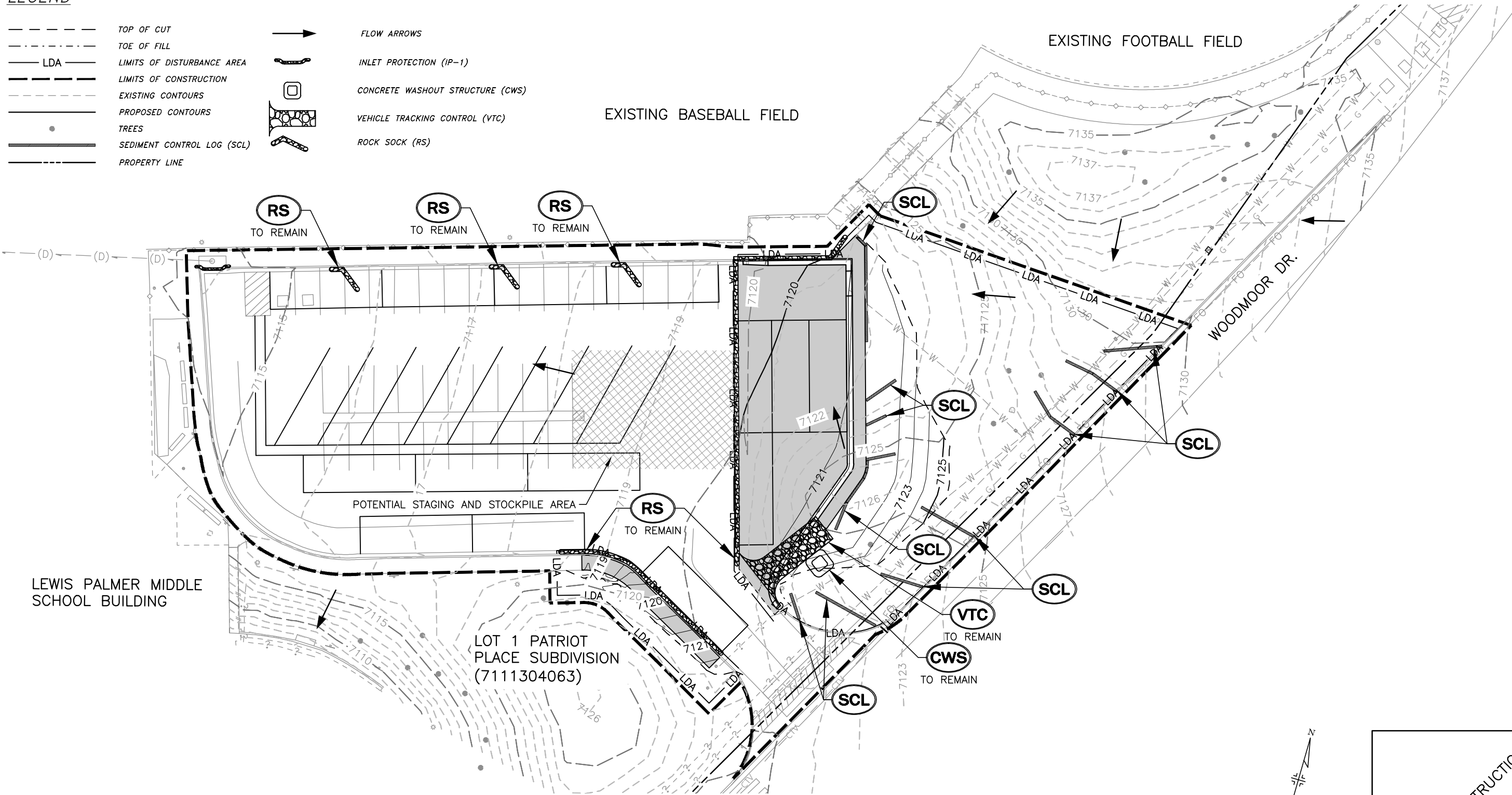
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LEGEND

- TOP OF CUT
- - - TOE OF FILL
- LDA — LIMITS OF DISTURBANCE AREA
- LIMITS OF CONSTRUCTION
- - - EXISTING CONTOURS
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- TREES
- SEDIMENT CONTROL LOG (SCL)
- - - PROPERTY LINE
- FLOW ARROWS
- INLET PROTECTION (IP-1)
- CONCRETE WASHOUT STRUCTURE (CWS)
- ▨ VEHICLE TRACKING CONTROL (VTC)
- ROCK SOCK (RS)



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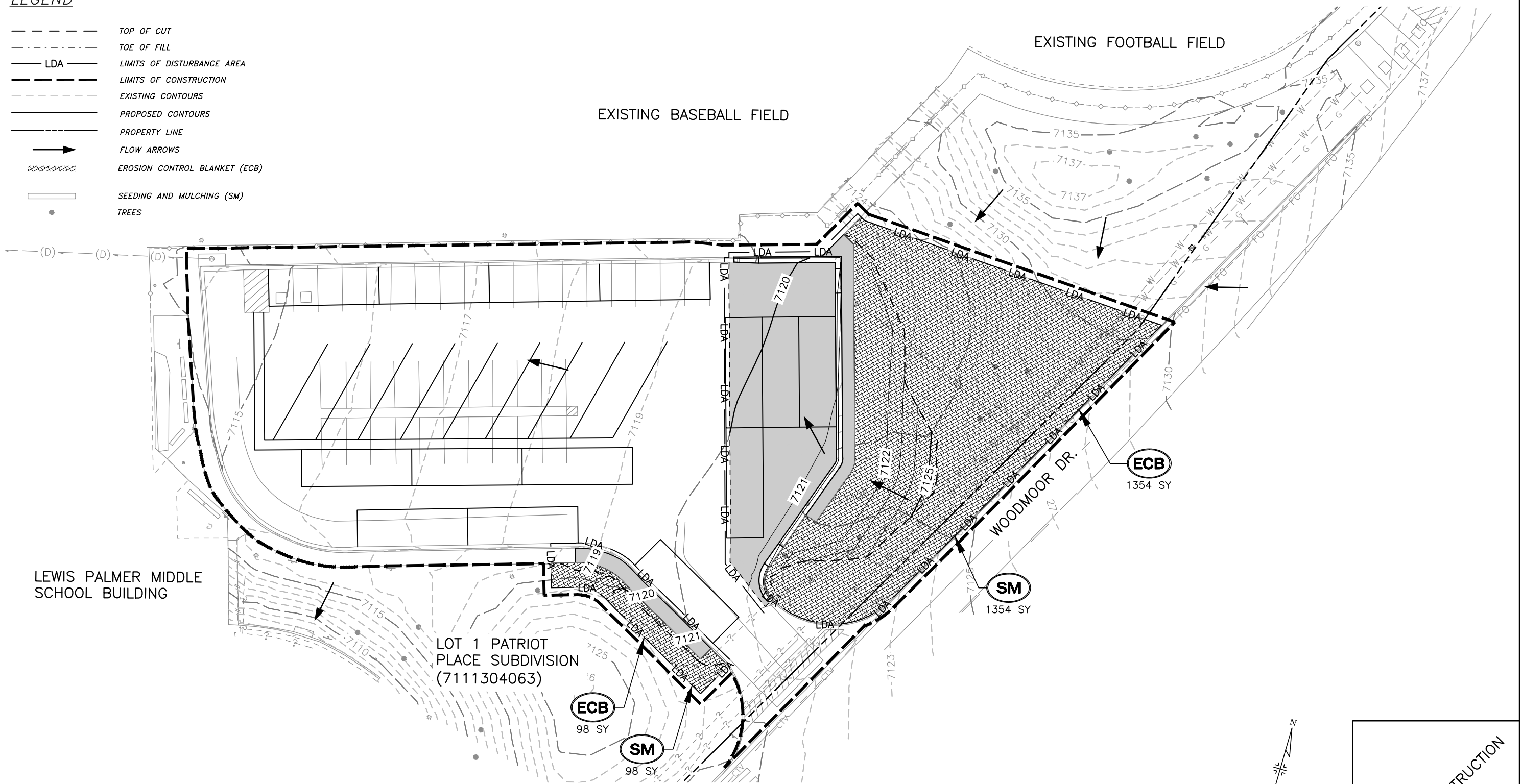


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| As Constructed | LEWIS-PALMER MIDDLE SCHOOL INTERIM GRADING AND EROSION CONTROL PLAN | | Project No./Code |
| No Revisions: | | | 122227-01 |
| Revised: | Designer: KPK | Structure Numbers | |
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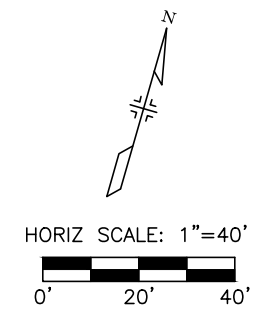
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LEGEND

- TOP OF CUT
- TOE OF FILL
- LDA LIMITS OF DISTURBANCE AREA
- LIMITS OF CONSTRUCTION
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPERTY LINE
- FLOW ARROWS
- EROSION CONTROL BLANKET (ECB)
- SEEDING AND MULCHING (SM)
- TREES



NOT FOR CONSTRUCTION



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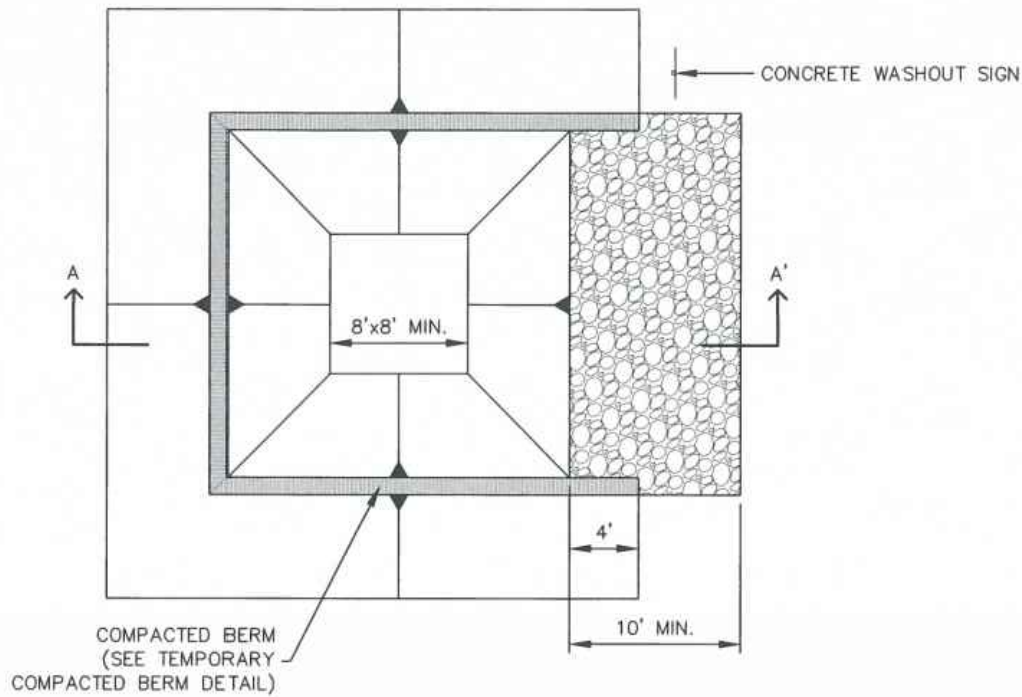
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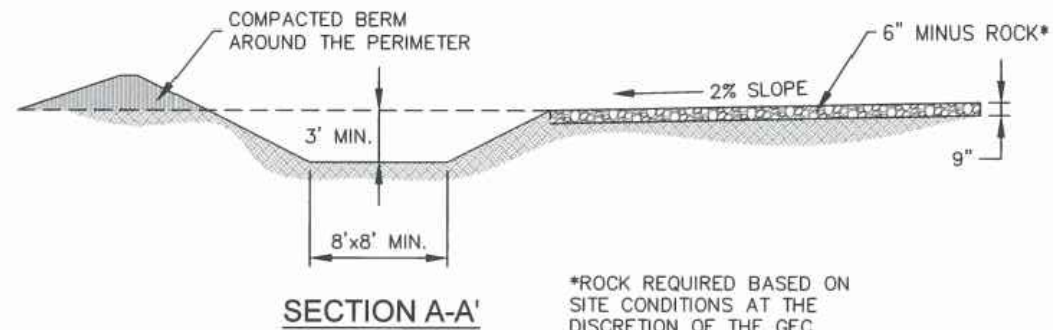
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| LEWIS-PALMER MIDDLE SCHOOL FINAL GRADING AND EROSION CONTROL PLAN | | | |
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| Designer: | KPK | Structure | |
| Detailer: | DCB | Numbers | |
| Subset: | EROSION | Sheets: | EF-01 OF 01 |

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| Project No./Code | 122227-01 |
| Sheet Number | 14 |



CONCRETE WASHOUT AREA PLAN



*ROCK REQUIRED BASED ON SITE CONDITIONS AT THE DISCRETION OF THE GEC INSPECTOR

INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
-LOCATION OF CONCRETE WASHOUT AREA
2. LOCATE AT LEAST 50' AWAY FROM STATE WATERS MEASURED HORIZONTALLY.
3. AN IMPERMEABLE LINER (16 MIL. MINIMUM THICKNESS) IS REQUIRED IF CONCRETE WASH AREA IS LOCATED WITHIN 400' OF STATE WATERS OR 1000' OF WELLS OR DRINKING WATER SOURCES.
4. DO NOT LOCATE IN AREAS WHERE SHALLOW GROUNDWATER MAY BE PRESENT.
5. THE CONCRETE WASH AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
6. CONCRETE WASH AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8'.
7. BERM SURROUNDING SIDES AND BACK OF CONCRETE WASH AREA SHALL HAVE A MINIMUM HEIGHT OF 2 FEET.
8. CONCRETE WASH AREA ENTRANCE SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASH AREA.
9. SIGNS SHALL BE PLACED AT THE CONCRETE WASH AREA.
10. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. THE CONCRETE WASH AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS ACCUMULATED IN THE PIT SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2/3 THE HEIGHT OF THE CONCRETE WASH AREA.
3. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE, AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
4. THE CONCRETE WASH AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
5. PERMANENTLY STABILIZE AREA AFTER CONCRETE WASH AREA IS REMOVED.



STORMWATER ENTERPRISE

CONCRETE WASHOUT AREA

APPROVED: *[Signature]*

SWENT MANAGER

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO. 900-CWA-1



STORMWATER ENTERPRISE

CONCRETE WASHOUT AREA

APPROVED: *[Signature]*

SWENT MANAGER

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO. 900-CWA-2



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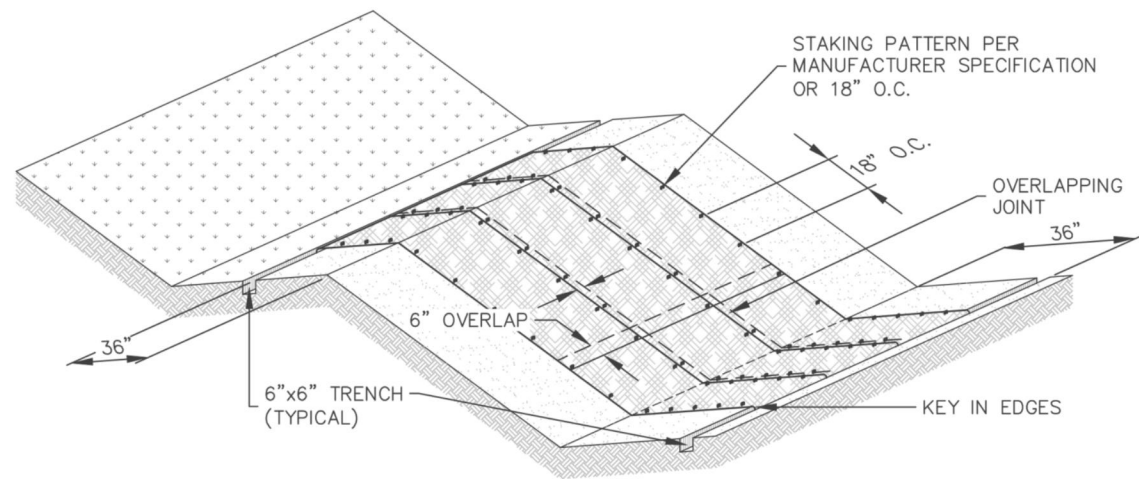
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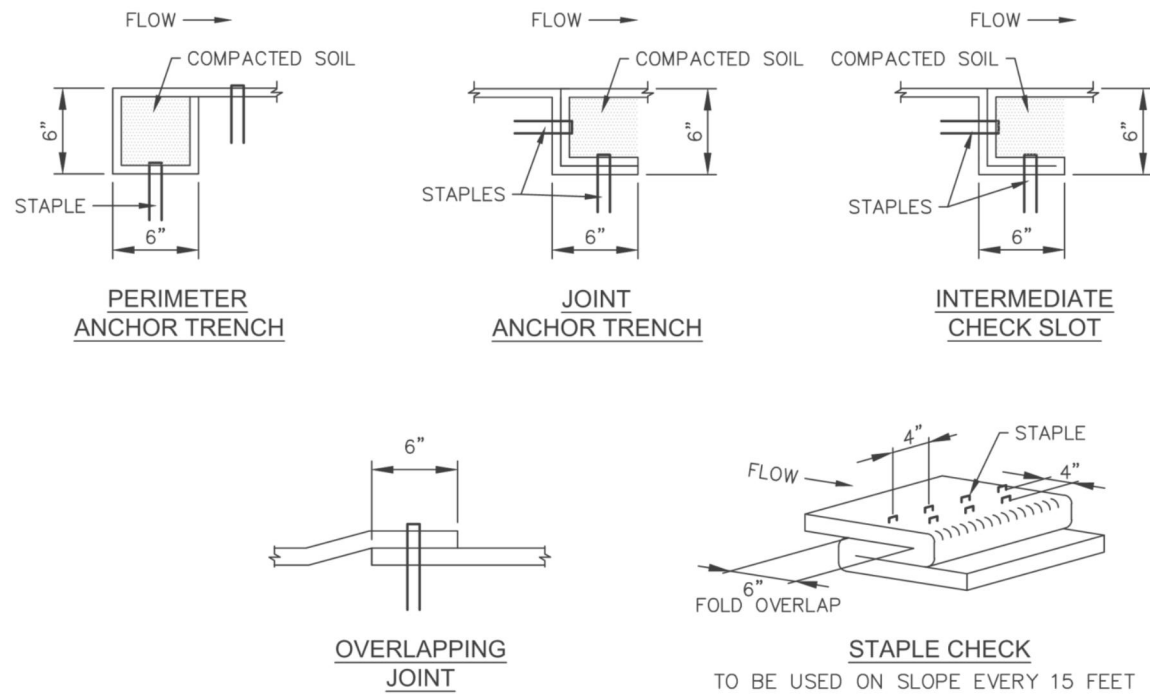
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| | Subset: GEC | Sheets: DET-01 | Sheet Number 15 |



EROSION CONTROL BLANKET



INSTALLATION NOTES

- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE REQUIRED FOR EROSION CONTROL BLANKETS. TRM PRODUCTS MAY BE USED WHERE APPROPRIATE AS DESIGNATED BY THE ENGINEER.
- IN AREAS WHERE EROSION CONTROL BLANKETS ARE SHOWN ON THE PLANS, THE PERMITEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO EROSION CONTROL BLANKET INSTALLATION, AND THE EROSION CONTROL BLANKET SHALL BE IN FULL CONTACT WITH THE SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL EROSION CONTROL BLANKETS.
- INTERMEDIATE CHECK SLOT OR STAPLE CHECK SHALL BE INSTALLED EVERY 15' DOWN SLOPES. IN DRAINAGEWAYS, INSTALL CHECK SLOTS EVERY 25' PERPENDICULAR TO FLOW DIRECTION.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF EROSION CONTROL BLANKETS TOGETHER FOR EROSION CONTROL BLANKETS ON SLOPES.
- MATERIAL SPECIFICATIONS OF EROSION CONTROL BLANKETS SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING EROSION CONTROL BLANKETS SHALL BE RESEEDED AND MULCHED.
- STRAW EROSION CONTROL BLANKETS SHALL NOT BE USED WITHIN STREAMS AND DRAINAGE CHANNELS.
- COMPACT ALL TRENCHES.

MAINTENANCE NOTES

- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- EROSION CONTROL BLANKETS SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE. TRM MUST BE REMOVED AT THE DISCRETION OF THE GEC INSPECTOR.
- ANY EROSION CONTROL BLANKET PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE EROSION CONTROL BLANKET REINSTALLED.

TABLE ECB-1, EROSION CONTROL BLANKET MATERIAL SPECIFICATIONS

| TYPE | COCONUT CONTENT | STRAW CONTENT | EXCELSIOR CONTENT | RECOMMENDED NETTING |
|---------------|-----------------|---------------|-------------------|---------------------|
| STRAW | - | 100% | - | DOUBLE/NATURAL |
| STRAW-COCONUT | 30% MIN. | 70% MAX. | - | DOUBLE/NATURAL |
| COCONUT | 100% | - | - | DOUBLE/NATURAL |
| EXCELSIOR | - | - | 100% | DOUBLE/NATURAL |



EROSION CONTROL BLANKET

STORMWATER ENTERPRISE

APPROVED: *[Signature]*
SWENT MANAGER

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO. 900-ECB-1



EROSION CONTROL BLANKET

STORMWATER ENTERPRISE

APPROVED: *[Signature]*
SWENT MANAGER

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO. 900-ECB-2



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LEWIS-PALMER SCHOOL DISTRICT 38

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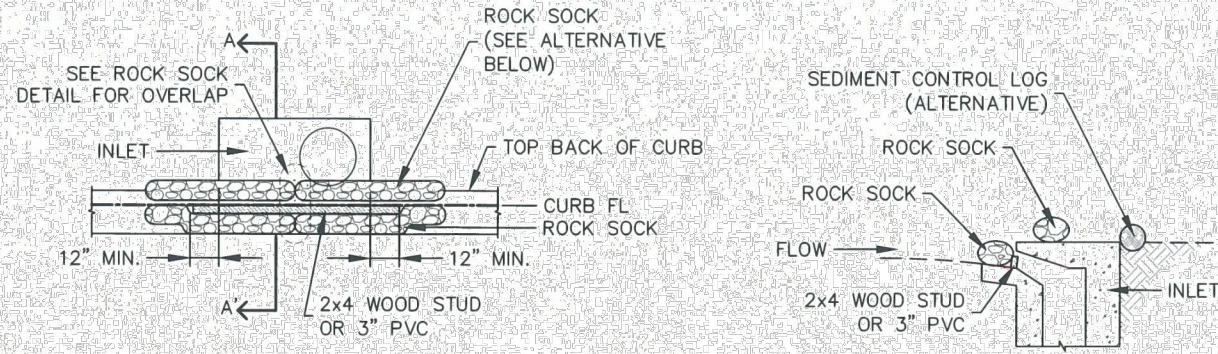
LEWIS-PALMER MIDDLE SCHOOL GRADING AND EROSION CONTROL PLANS DETAILS

Designer: KPK
 Detailer: DCB
 Subset: GEC

Structure Numbers
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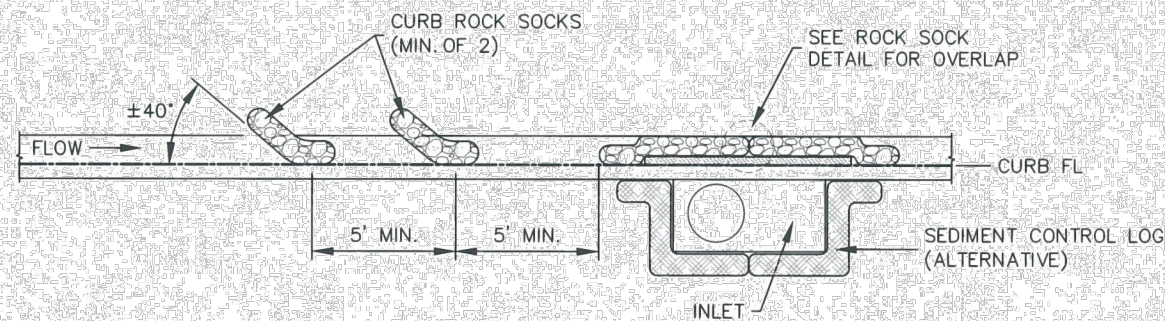
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CURB INLET PROTECTION PLAN

SECTION A-A'



CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

INSTALLATION NOTES

1. SEE ROCK SOCK DETAIL FOR INSTALLATION REQUIREMENTS.
2. PLACEMENT OF THE ROCK SOCK SHALL BE APPROXIMATELY 40 DEGREES FROM THE CURB.
3. ROCK SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5' APART.
4. AT LEAST TWO CURB ROCK SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADIENT INLETS.
5. ADDITIONAL ROCK SOCKS MAY BE REQUIRED AT GEC INSPECTOR'S DISCRETION.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 1/2 OF THE DESIGN DEPTH OF THE INLET BARRIER.
3. ROCK SOCKS MUST REMAIN UNTIL THE UPSTREAM DISTURBANCE AREA IS STABILIZED.
4. PERMANENTLY STABILIZE AREA BEHIND INLET AFTER ROCK SOCKS ARE REMOVED WHEN REMOVAL IS APPROPRIATE.

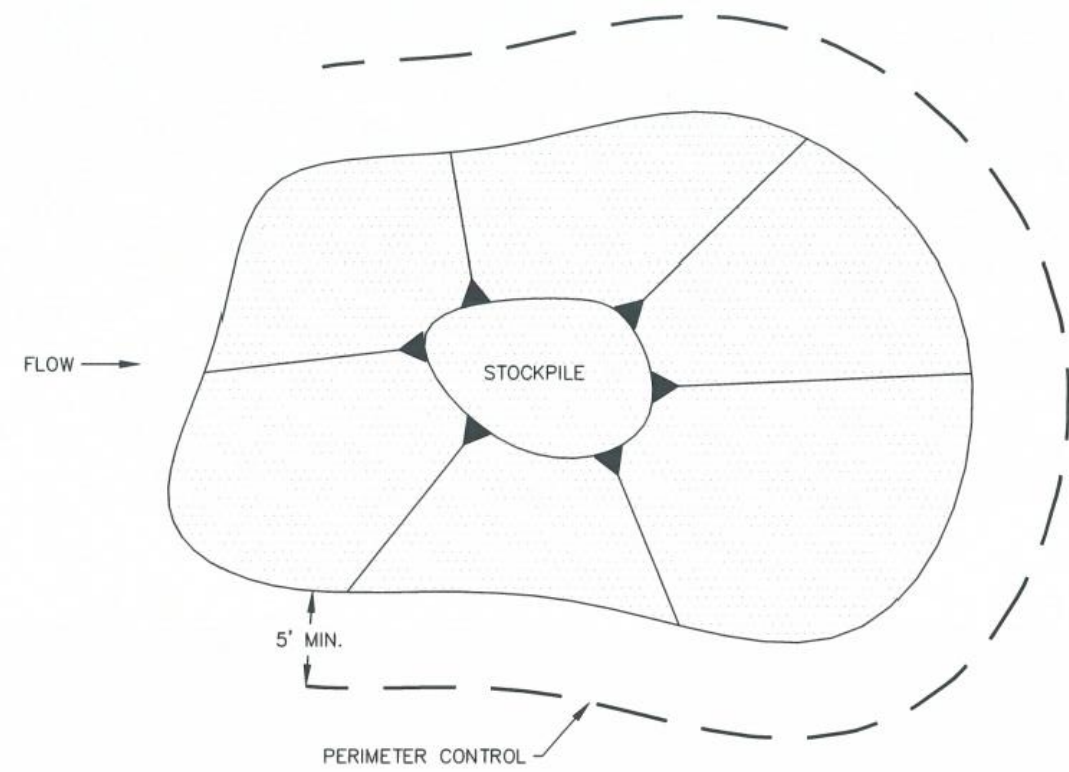
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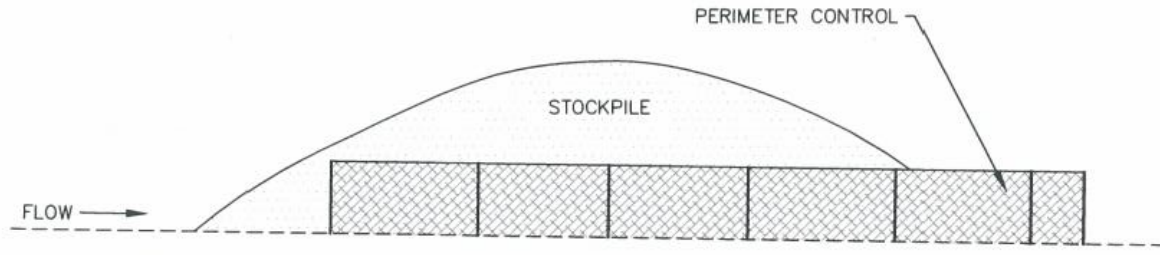
ON-GRADE INLET PROTECTION

APPROVED: *[Signature]*

ISSUED: 10/7/19 REVISED: 8/19/2020 DRAWING NO. 900-IP-1



STOCKPILE PROTECTION PLAN



STOCKPILE PROTECTION ELEVATION

INSTALLATION NOTES

1. INSTALL PERIMETER CONTROL AROUND STOCKPILE ON DOWNGRADIENT SIDE. PERIMETER CONTROL MUST BE SUITABLE TO SITE CONDITIONS AND INSTALLED ACCORDING TO THE RELEVANT DETAIL.
2. FOR STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS INCLUDING PERIMETER CONTROL ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. IF PERIMETER CONTROLS MUST BE MOVED TO ACCESS STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORK DAY.
3. ACCUMULATED SEDIMENT MUST BE REMOVED ACCORDING TO PERIMETER CONTROL DETAIL.

SP

STORMWATER ENTERPRISE

STOCKPILE PROTECTION

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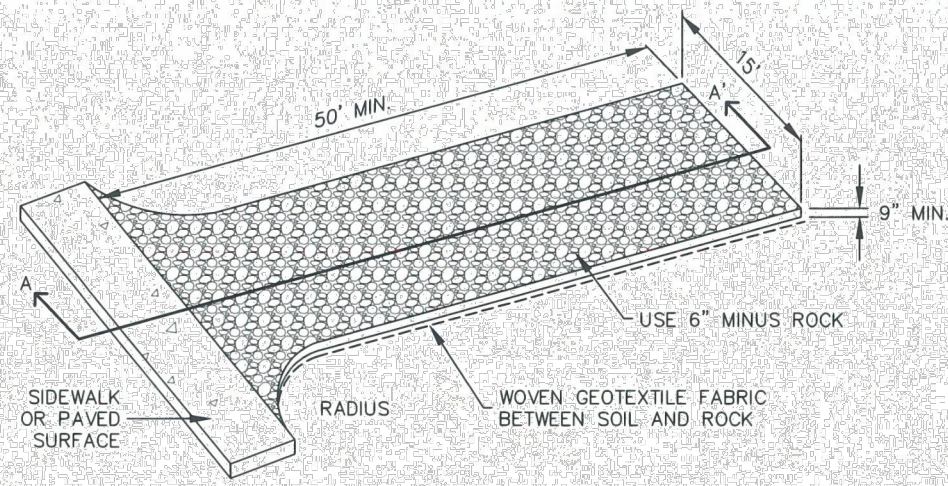
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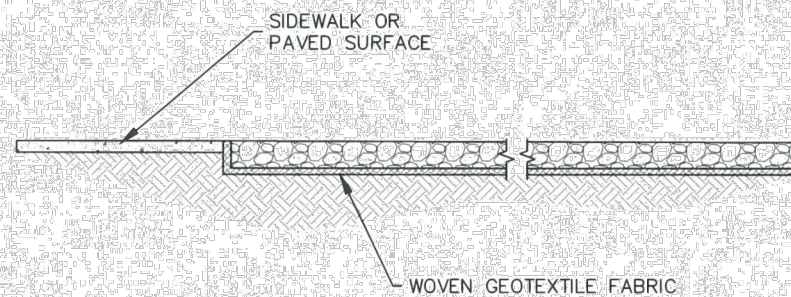
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AGGREGATE VEHICLE TRACKING CONTROL



SECTION A-A'

INSTALLATION NOTES

1. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHOULD BE LOCATED AT ALL POINTS WHERE VEHICLES EXIT THE CONSTRUCTION SITE TO ADJACENT ROADWAY.
2. STABILIZED CONSTRUCTION ENTRANCE/EXITS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. RADIUS MUST BE ADEQUATE FOR INTENDED CONSTRUCTION VEHICLE TURNING.
4. ROCK SHOULD CONSIST OF 6" MINUS ROCK.
5. INSTALL CONSTRUCTION FENCE ON BOTH SIDES OF VEHICLE TRACKING CONTROL PAD WHEN NEEDED OR REQUIRED BY INSPECTOR.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. SEDIMENT TRACKED ONTO THE ADJACENT ROAD SHALL BE REMOVED DAILY, BY SWEEPING OR SHOVELING, AND NEVER WASHED DOWN STORM DRAINS.
3. ROUGHEN, REPLACE AND/OR ADD ROCK AS NEEDED TO MAINTAIN CONSISTENT DEPTH AND TO PREVENT SEDIMENT TRACKING ONTO ADJACENT STREET.
4. PERMANENTLY STABILIZE AREA AFTER VEHICLE TRACKING CONTROL IS REMOVED.

VTC

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| VEHICLE TRACKING CONTROL | | |
| APPROVED: | | |
| SWENT MANAGER | | |
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| SEEDING & MULCHING | | |
| APPROVED: | | |
| SWENT MANAGER | | |
| ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SM |

SEEDING & MULCHING

ALL SOIL TESTING, SOILS AMENDMENT AND FERTILIZER DOCUMENTATION, AND SEED LOAD AND BAG TICKETS MUST BE ADDED TO THE CSWMP.

SOIL PREPARATION

1. IN AREAS TO BE SEEDED, THE UPPER 6 INCHES OF THE SOIL MUST NOT BE HEAVILY COMPACTED, AND SHOULD BE IN FRIABLE CONDITION. LESS THAN 85% STANDARD PROCTOR DENSITY IS ACCEPTABLE. AREAS OF COMPACTION OR GENERAL CONSTRUCTION ACTIVITY MUST BE SCARIFIED TO A DEPTH OF 6 TO 12 INCHES PRIOR TO SPREADING TOPSOIL TO BREAK UP COMPACTED LAYERS AND PROVIDE A BLENDING ZONE BETWEEN DIFFERENT SOIL LAYERS.
2. AREAS TO BE PLANTED SHALL HAVE AT LEAST 4 INCHES OF TOPSOIL SUITABLE TO SUPPORT PLANT GROWTH.
3. THE CITY RECOMMENDS THAT EXISTING AND/OR IMPORTED TOPSOIL BE TESTED TO IDENTIFY SOIL DEFICIENCIES AND ANY SOIL AMENDMENTS NECESSARY TO ADDRESS THESE DEFICIENCIES. SOIL AMENDMENTS AND/OR FERTILIZERS SHOULD BE ADDED TO CORRECT TOPSOIL DEFICIENCIES BASED ON SOIL TESTING RESULTS.
4. TOPSOIL SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD TO RETAIN ITS STRUCTURE AVOID COMPACTION, AND TO PREVENT EROSION AND CONTAMINATION. STRIPPED TOPSOIL MUST BE STORED IN AN AREA AWAY FROM MACHINERY AND CONSTRUCTION OPERATIONS, AND CARE MUST BE TAKEN TO PROTECT THE TOPSOIL AS A VALUABLE COMMODITY. TOPSOIL MUST NOT BE STRIPPED DURING UNDESIRABLE WORKING CONDITIONS (E.G. DURING WET WEATHER OR WHEN SOILS ARE SATURATED). TOPSOIL SHALL NOT BE STORED IN SWALES OR IN AREAS WITH POOR DRAINAGE.

SEEDING

1. ALLOWABLE SEED MIXES ARE INCLUDED IN THE CITY OF COLORADO SPRINGS STORMWATER CONSTRUCTION MANUAL. ALTERNATIVE SEED MIXES ARE ACCEPTABLE IF INCLUDED IN AN APPROVED LANDSCAPING PLAN.
2. SEED SHOULD BE DRILL-SEEDED WHENEVER POSSIBLE.
 - SEED DEPTH MUST BE 1/2 TO 3/4 INCHES WHEN DRILL-SEEDED IS USED
3. BROADCAST SEEDING OR HYDRO-SEEDED WITH TACKIFIER MAY BE SUBSTITUTED ON SLOPES STEEPER THAN 3:1 OR ON OTHER AREAS NOT PRACTICAL TO DRILL SEED.
 - SEEDING RATES MUST BE DOUBLED FOR BROADCAST SEEDING OR INCREASED BY 50% IF USING A BILLION DRILL OR HYDRO-SEEDED
 - BROADCAST SEEDING MUST BE LIGHTLY HAND-RAKED INTO THE SOIL

MULCHING

1. MULCHING SHOULD BE COMPLETED AS SOON AS PRACTICABLE AFTER SEEDING, HOWEVER PLANTED AREAS MUST BE MULCHED NO LATER THAN 14 DAYS AFTER PLANTING.
2. MULCHING REQUIREMENTS INCLUDE:
 - HAY OR STRAW MULCH
 - ONLY CERTIFIED WEED-FREE AND CERTIFIED SEED-FREE MULCH MAY BE USED. MULCH MUST BE APPLIED AT 2 TONS/ACRE AND ADEQUATELY SECURED BY CRIMPING AND/OR TACKIFIER.
 - CRIMPING MUST NOT BE USED ON SLOPES GREATER THAN 3:1 AND MULCH FIBERS MUST BE TUCKED INTO THE SOIL TO A DEPTH OF 3 TO 4 INCHES.
 - TACKIFIER MUST BE USED IN PLACE OF CRIMPING ON SLOPES STEEPER THAN 3:1.
 - HYDRAULIC MULCHING
 - HYDRAULIC MULCHING IS AN OPTION ON STEEP SLOPES OR WHERE ACCESS IS LIMITED.
 - IF HYDRO-SEEDED IS USED, MULCHING MUST BE APPLIED AS A SEPARATE, SECOND OPERATION.
 - WOOD CELLULOSE FIBERS MIXED WITH WATER MUST BE APPLIED AT A RATE OF 2,000 TO 2,500 POUNDS/ACRE, AND TACKIFIER MUST BE APPLIED AT A RATE OF 100 POUNDS/ACRE.
 - EROSION CONTROL BLANKET
 - EROSION CONTROL BLANKET MAY BE USED IN PLACE OF TRADITIONAL MULCHING METHODS.



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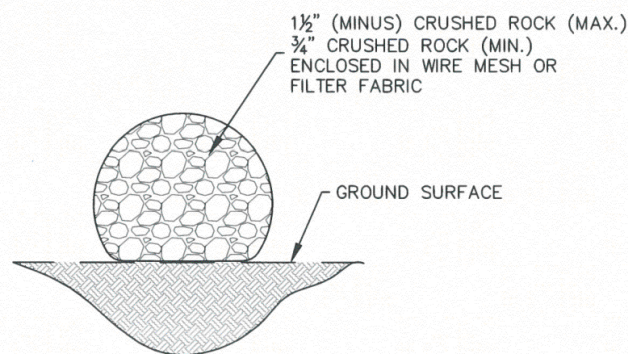
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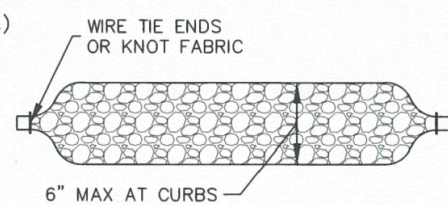
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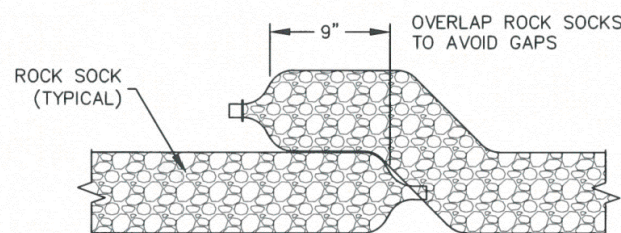
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ROCK SOCK SECTION



ROCK SOCK PLAN



ROCK SOCK OVERLAP

| GRADATION TABLE | |
|---|--------|
| MASS PERCENT PASSING SQUARE MESH SIEVES | |
| | No. 4 |
| 2" | 100 |
| 1 1/2" | 90-100 |
| 1" | 20-55 |
| 3/4" | 0-15 |
| 3/8" | 0-5 |

MATCHES SPECIFICATIONS FOR No. 4 COARSE AGGREGATE FOR CONCRETE PER AASHTO M-43. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES

INSTALLATION NOTES

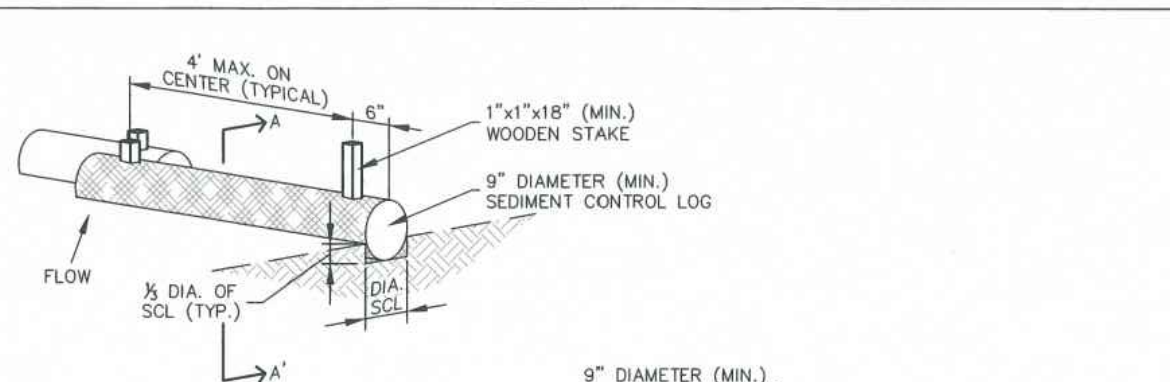
1. CRUSHED ROCK SHALL BE BETWEEN MAX. 1 1/2" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET AND MIN. 3/4" CRUSHED ROCK.
2. WIRE MESH SHALL HAVE OPENINGS SMALLER THAN THE SMALLEST SIZE ROCK.
3. WIRE MESH SHALL BE SECURED USING 'HOG RINGS' OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.

MAINTENANCE NOTES

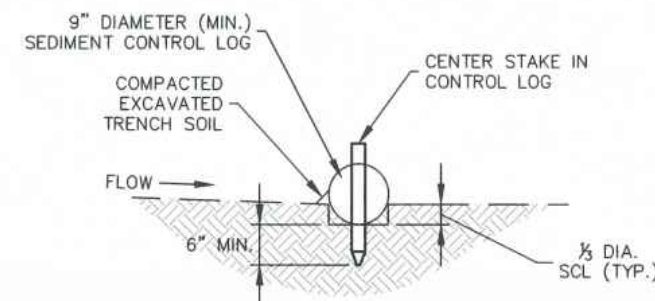
1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED BEYOND REPAIR.
3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE DEPTH REACHES 1/2 OF THE HEIGHT OF THE ROCK SOCK.
4. ROCK SOCKS ARE TO REMAIN IN PLACE UNTIL DISTURBED AREA IS STABILIZED.
5. PERMANENTLY STABILIZE AREA AFTER ROCK SOCKS HAVE BEEN REMOVED.



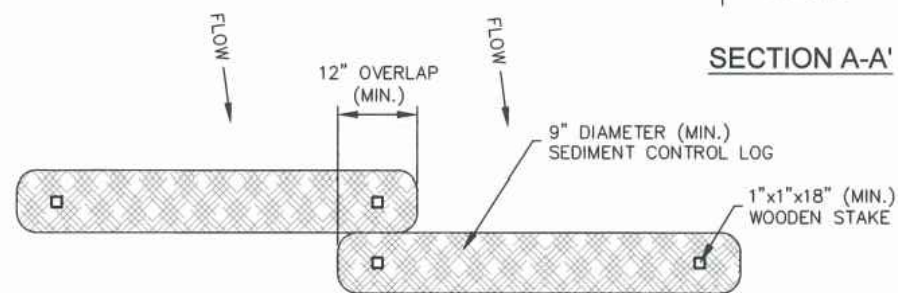
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|--|------------------|--------------------|--------------------|
| | ROCK SOCK | | |
| | APPROVED: | | |
| | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-RS |



SEDIMENT CONTROL LOG



SECTION A-A'



SEDIMENT CONTROL LOG JOINTS

INSTALLATION NOTES

1. ALL SEDIMENT CONTROL LOGS MUST BE EMBEDDED TO 1/3 OF THE HEIGHT OF THE LOG.
2. LARGER DIAMETER SEDIMENT CONTROL LOGS NEED TO BE EMBEDDED DEEPER.
3. PLACE SEDIMENT CONTROL LOG AGAINST SIDEWALK OR BACK OF CURB WHEN ADJACENT TO THESE FEATURES.
4. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE FROM ANY NOXIOUS WEED SEEDS OF DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
5. IF USING AS SLOPE PROTECTION, INSTALL SEDIMENT CONTROL LOGS ALONG THE CONTOUR.

MAINTENANCE NOTES

1. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN CONTROL MEASURES IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
2. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE HEIGHT REACHES 1/2 OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
3. PERMANENTLY STABILIZE AREA AFTER SEDIMENT CONTROL LOGS HAVE BEEN REMOVED.



| | | | |
|--|------------------------------|--------------------|---------------------|
| | SEDIMENT CONTROL LOGS | | |
| | APPROVED: | | |
| | ISSUED: 10/7/19 | REVISED: 8/19/2020 | DRAWING NO. 900-SCL |



NOT FOR CONSTRUCTION

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| Print Date: 10/11/2023 | | <table border="1"> <thead> <tr> <th colspan="3">Sheet Revisions</th> </tr> <tr> <th>Date</th> <th>Comments</th> <th>Initials</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | Sheet Revisions | | | Date | Comments | Initials | | | | | | | | | | <table border="1"> <tr> <td>As Constructed</td> <td colspan="2">LEWIS-PALMER MIDDLE SCHOOL GRADING AND EROSION CONTROL PLANS DETAILS</td> <td>Project No./Code</td> </tr> <tr> <td>No Revisions:</td> <td colspan="2"> </td> <td>122227-01</td> </tr> <tr> <td>Revised:</td> <td>Designer: KPK</td> <td>Structure Numbers</td> <td> </td> </tr> <tr> <td>Void:</td> <td>Detailer: DCB</td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td>Subset: GEC</td> <td>Sheets: DET-05</td> <td>Sheet Number 19</td> </tr> </table> | As Constructed | LEWIS-PALMER MIDDLE SCHOOL GRADING AND EROSION CONTROL PLANS DETAILS | | Project No./Code | No Revisions: | | | 122227-01 | Revised: | Designer: KPK | Structure Numbers | | Void: | Detailer: DCB | | | | Subset: GEC | Sheets: DET-05 | Sheet Number 19 |
|---|--|--|------------------|----------|--|------|----------|----------|--|--|--|--|--|--|--|--|--|---|----------------|--|--|------------------|---------------|--|--|-----------|----------|---------------|-------------------|--|-------|---------------|--|--|--|-------------|----------------|-----------------|
| Sheet Revisions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| As Constructed | LEWIS-PALMER MIDDLE SCHOOL GRADING AND EROSION CONTROL PLANS DETAILS | | Project No./Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Revisions: | | | 122227-01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Revised: | Designer: KPK | Structure Numbers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Void: | Detailer: DCB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Subset: GEC | Sheets: DET-05 | Sheet Number 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Horizontal Scale: N/A Vertical Scale: N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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