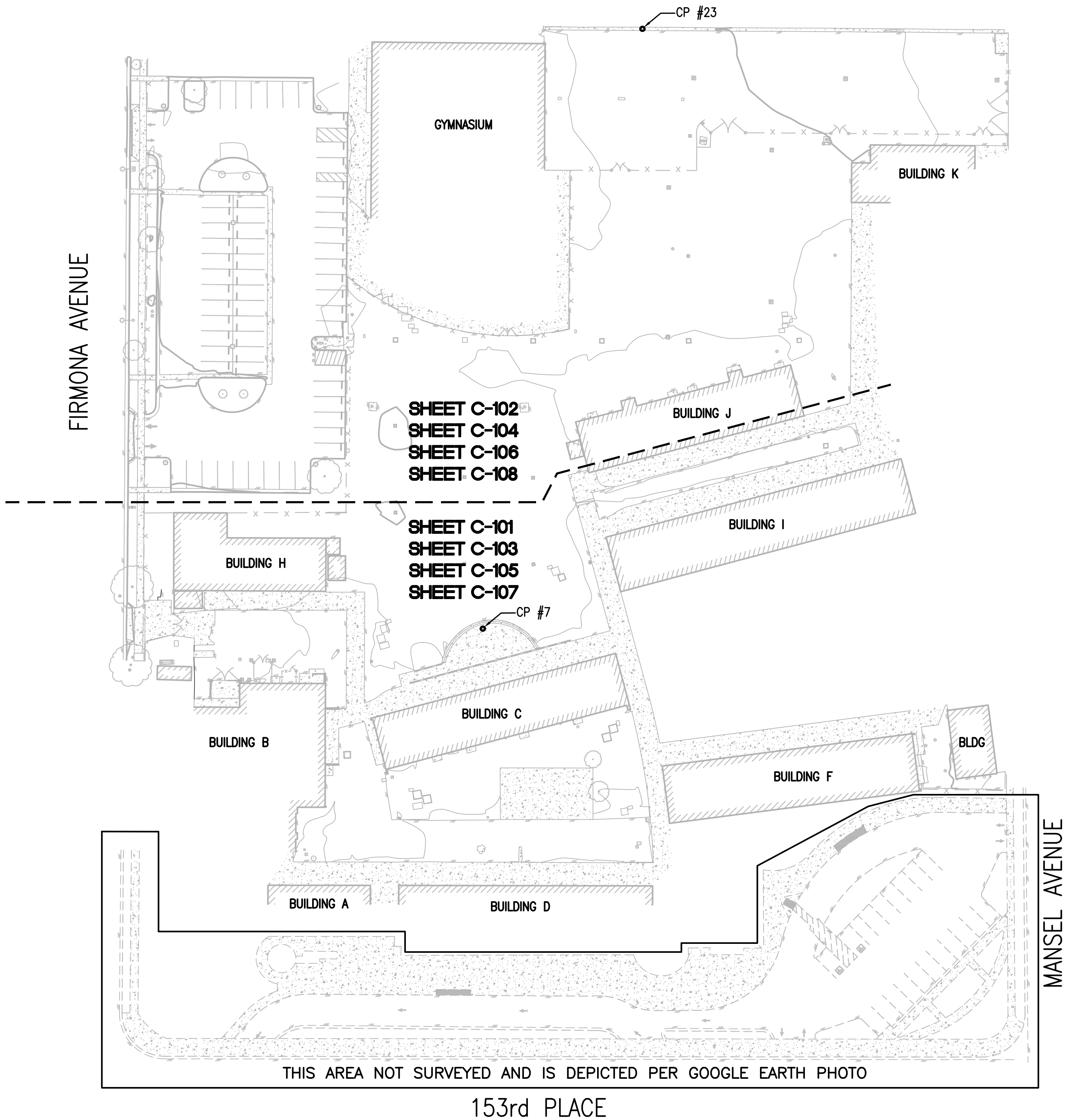


PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL

ABBREVIATIONS

AC	ASPHALT CONCRETE
ADS	AREA DRAIN SQUARE
AL	AREA LIGHT
BB	BASKETBALL
CB	CATCH BASIN
CLF	CHAIN LINK FENCE
CP	CONTROL POINT
DS	DOWN SPOUT
EC	ELECTRICAL CONDUIT
ECAB	ELECTRICAL CABINET
EVT	ELECTRICAL VAULT
FA	FIRE ALARM
FH	FIRE HYDRANT
FL	FLOWLINE
FNC	FENCE
GP	GATE / GUARD POST
GS	GAS SERVICE
GT	GUTTER
GVG	GATE VAVE GAS
GVT	GAS VAULT
GVW	GATE VALVE WATER
GRND	GROUND
HB	HOSE BIBB
HH	HAND HOLE
HP	HIGH POINT
ICVB	IRRIGATION CONTROL VALVE BOX
ICVR	IRRIGATION CONTROL VALVE ROUND
IE	INVERT ELEVATION
MTL	METAL
PCC	PORTLAND CEMENT CONCRETE
PIV	POST INDICATOR VALVE
PP	POWER POLE
PST	POST
RD	ROOF DRAIN
REF.	REFERENCE
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
SCO	SEWER CLEANOUT
SL	STREET LIGHT
SMH	SEWER MANHOLE
TC	TOP OF CURB
TG	TOP OF GRATE
TVT	TELEPHONE VAULT
TYP	TYPICAL
VLT	VAULT
WM	WATER METER
WS	WATER SERVICE
WVT	WATER VAULT
Ø	AT
Ø	DIAMETER
%	PERCENT



NOTE:

- UNDERGROUND UTILITIES AS SHOWN ARE FROM AVAILABLE REFERENCE DRAWINGS SUPPLEMENTED BY OBSERVED ALIGNMENTS WITH SURFACE MANHOLES, VALVES, ETC. CONTRACTOR TO VERIFY EXACT LOCATION, DEPTH AND SIZE OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. SURFACE ITEMS SHOWN ARE FROM FIELD TOPOGRAPHY, COMPLETED BY BDS ENGINEERING, INC. IN FEBRUARY 2022. ANY OBSERVED VARIATIONS FROM PLANS OR UTILITIES THAT ARE FOUND WHICH ARE NOT SHOWN ON PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE PROJECT MANAGER AND ENGINEER OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/ OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
- A BOUNDARY SURVEY WAS NOT PERFORMED.

BENCH MARK

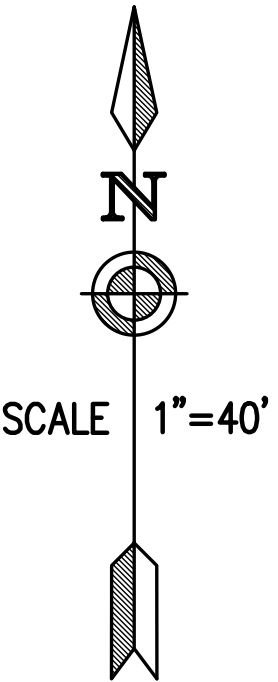
LOS ANGELES COUNTY PUBLIC WORKS SURVEY SECTION
DPW BM TAG IN NORTH CURB 36' E/O BCR AT NE CORNER
153RD PLACE AND INGLEWOOD AVE
ELEV. = 59.788 (NAVD 88)

HORIZONTAL AND VERTICAL CONTROL

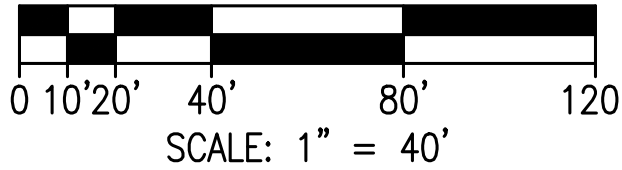
HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT ARE AS FOLLOWS:
CP #7 SCRIBED "X" N-1783464.91 E-6453346.45
ELEV-62.46
CP #23 SCRIBED "X" N-1783813.23 E-6453439.10

LEGEND

ALL EXISTING ITEMS SCREENED	
EXISTING BUILDING	
EXISTING CONCRETE PAVEMENT	
EXISTING CURB	
EXISTING CURB AND GUTTER	
EXISTING CHAIN LINK FENCE	
EXISTING EDGE OF PAVEMENT	
EXISTING SPOT ELEVATION	
EXISTING TREE	
EXISTING CONTOURS	
EXISTING RETAINING WALL	
EXISTING SINGLE GATE	
EXISTING DOUBLE GATE	
EXISTING CRACK IN ASPHALT	
EXISTING WATER REF.	
EXISTING SEWER REF.	
EXISTING GAS REF.	
EXISTING STORM DRAIN REF.	
EXISTING ELECTRICAL REF.	
EXISTING FIRE SERVICE REF.	



IF SHEET IS LESS THAN
24" BY 36" IT IS A
REDUCED PRINT-SCALE
REDUCE ACCORDINGLY



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Land Surveying
5575 Lake Park Way, Suite 114
Lawndale, California 90260
(310) 582-4199 FAX (310) 582-7428
DWS FILE: L:\PROJECTS\2020\Law\BDS\BDS-C-001.dwg



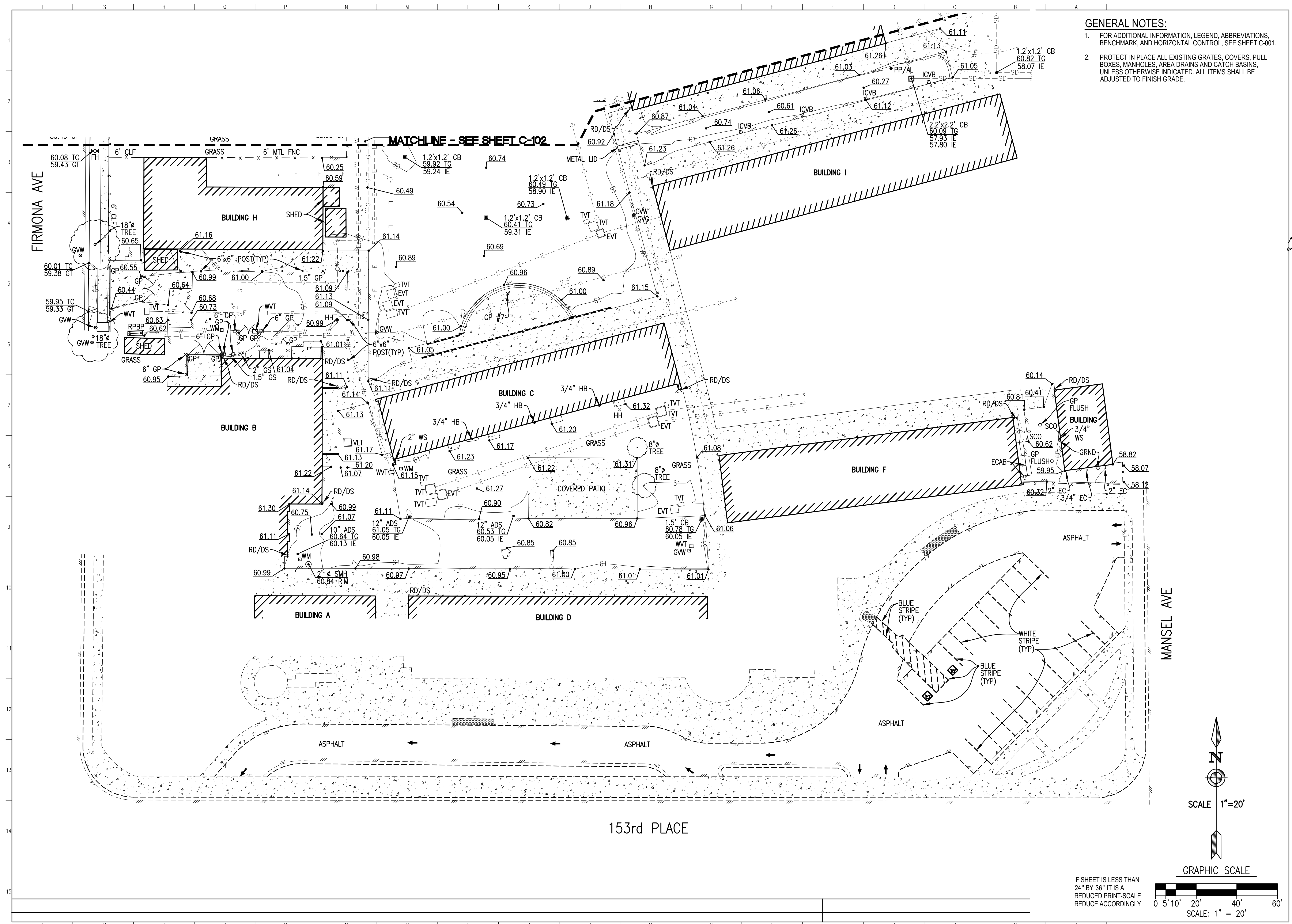
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PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

CIVIL TITLE
SHEET

Date:	MAY 13, 2022
Job:	22-02
Scale:	AS NOTED
Drawn:	
Revisions:	
Bid Set:	5/17/2022

C-001



- GENERAL NOTES:**
1. FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, AND HORIZONTAL CONTROL, SEE SHEET C-001.
 2. PROTECT IN PLACE ALL EXISTING GRATES, COVERS, PULL BOXES, MANHOLES, AREA DRAINS AND CATCH BASINS, UNLESS OTHERWISE INDICATED. ALL ITEMS SHALL BE ADJUSTED TO FINISH GRADE.

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Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
Lawndale, CA 90260
(310) 552-4699 FAX (310) 552-7428
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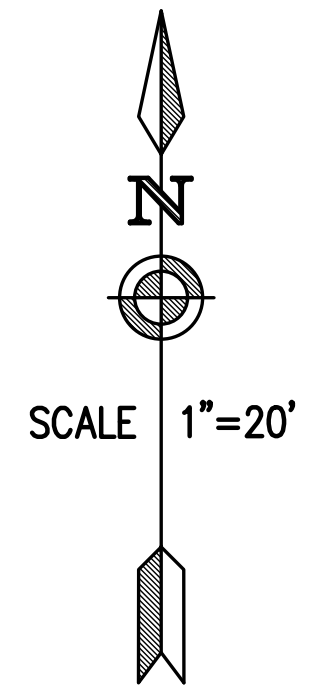
BID SET

PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

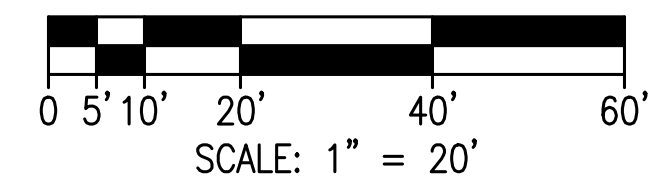
EXISTING TOPOGRAPHY

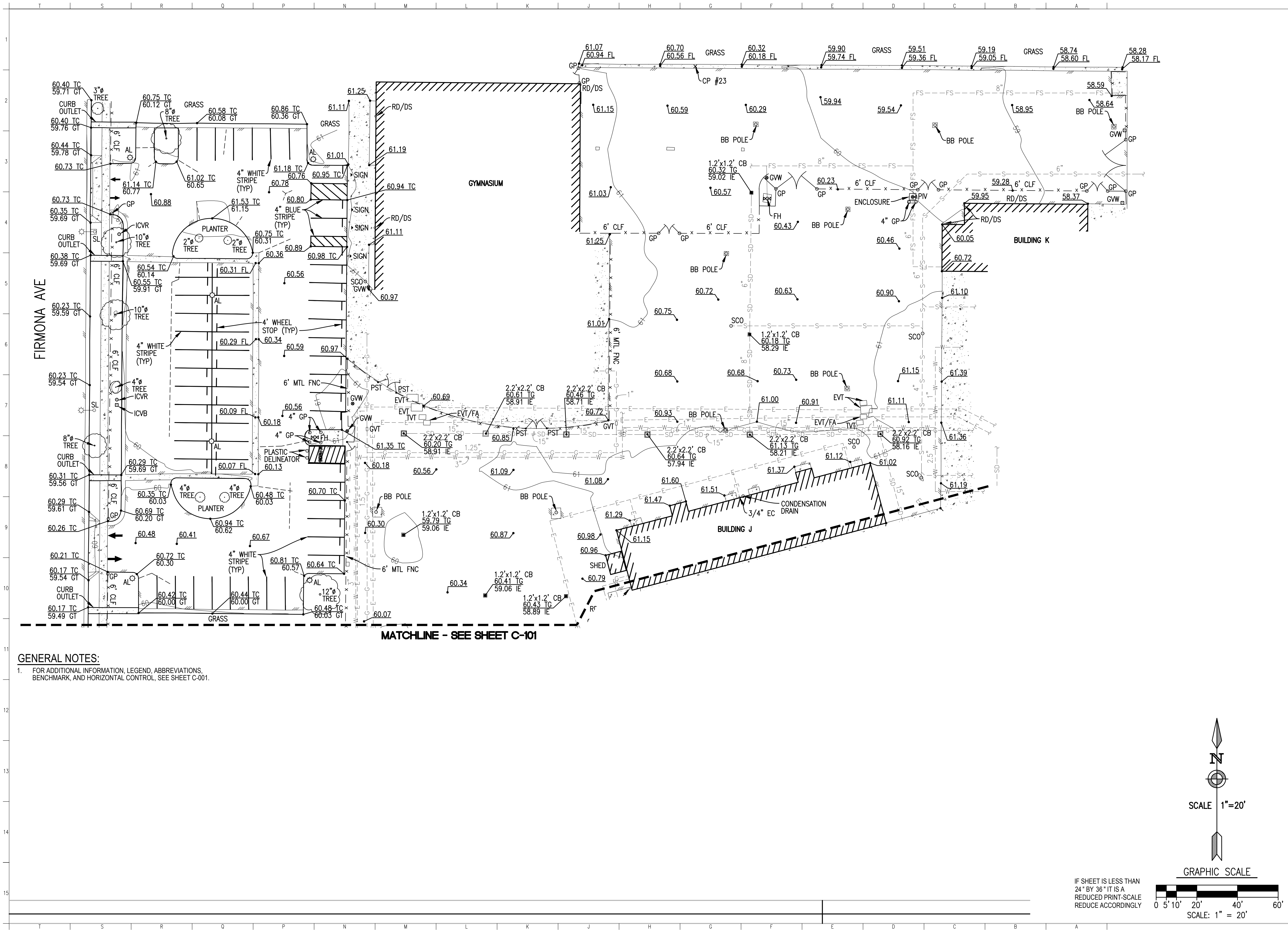
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Job:	22-02
Scale:	AS NOTED
Drawn:	
Revisions:	
Bid Set:	5/17/2022

C-101



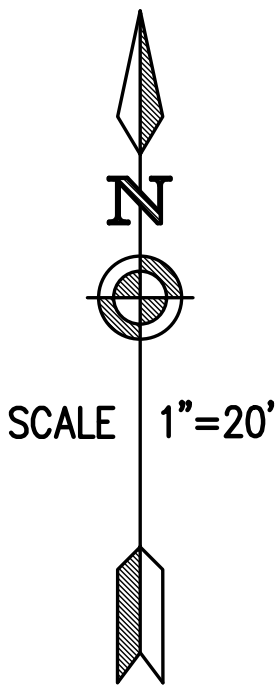
IF SHEET IS LESS THAN 24" BY 36" IT IS A REDUCED PRINT-SCALE. REDUCE ACCORDINGLY.





GENERAL NOTES:

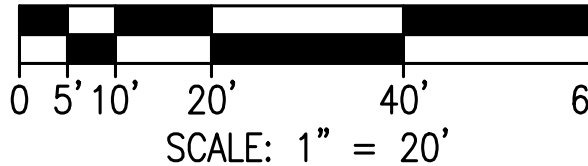
1. FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, AND HORIZONTAL CONTROL, SEE SHEET C-001.



SCALE 1"=20'

GRAPHIC SCALE

IF SHEET IS LESS THAN
24" BY 36" IT IS A
REDUCED PRINT-SCALE
REDUCE ACCORDINGLY

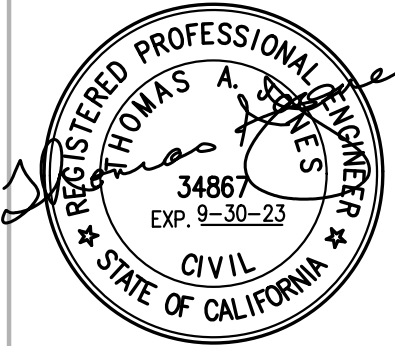


PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

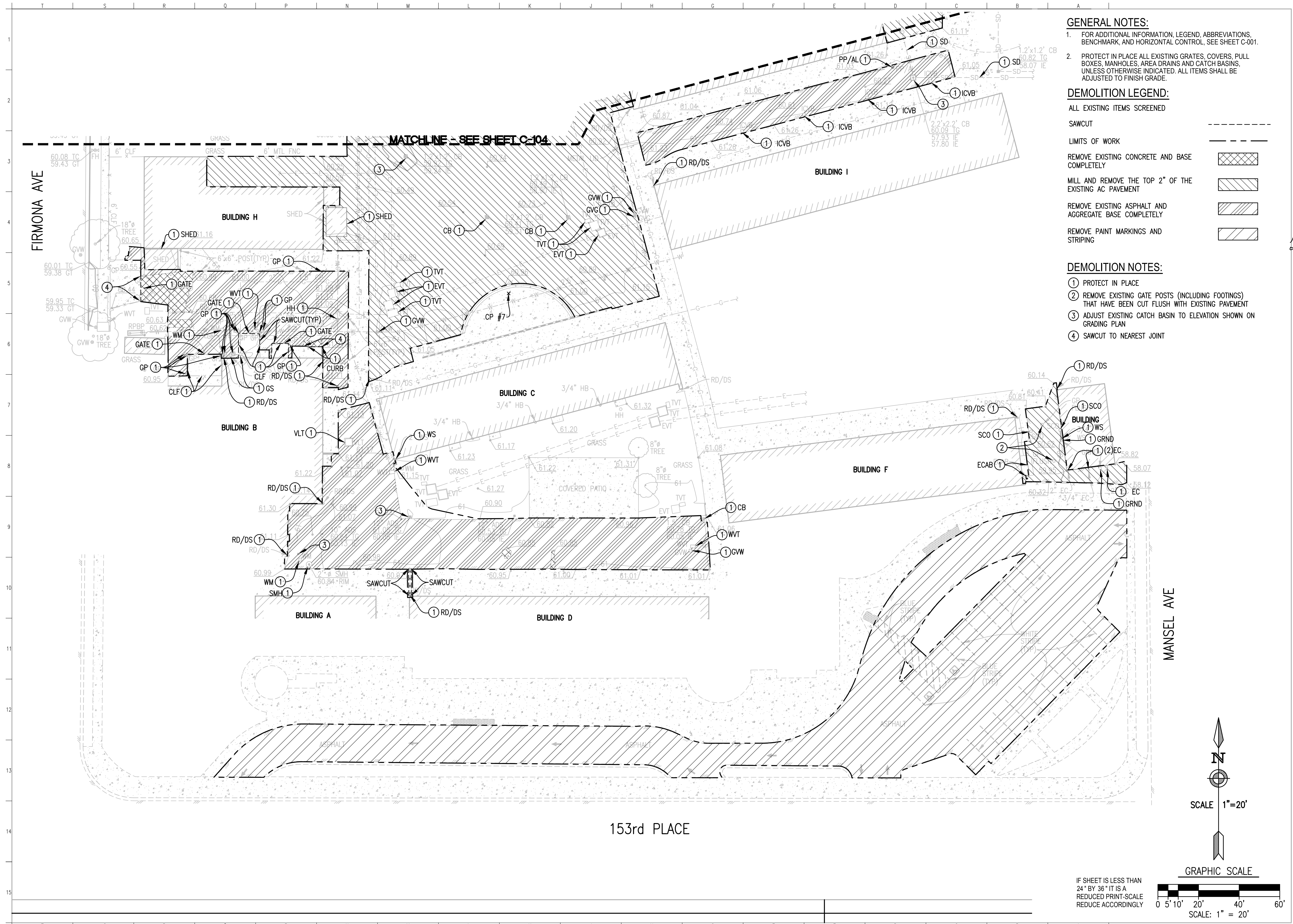
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TOPOGRAPHY

Date: MAY 13, 2022
Job: 22-02
Scale: AS NOTED
Drawn:
Revisions:
Bid Set: 5/17/2022

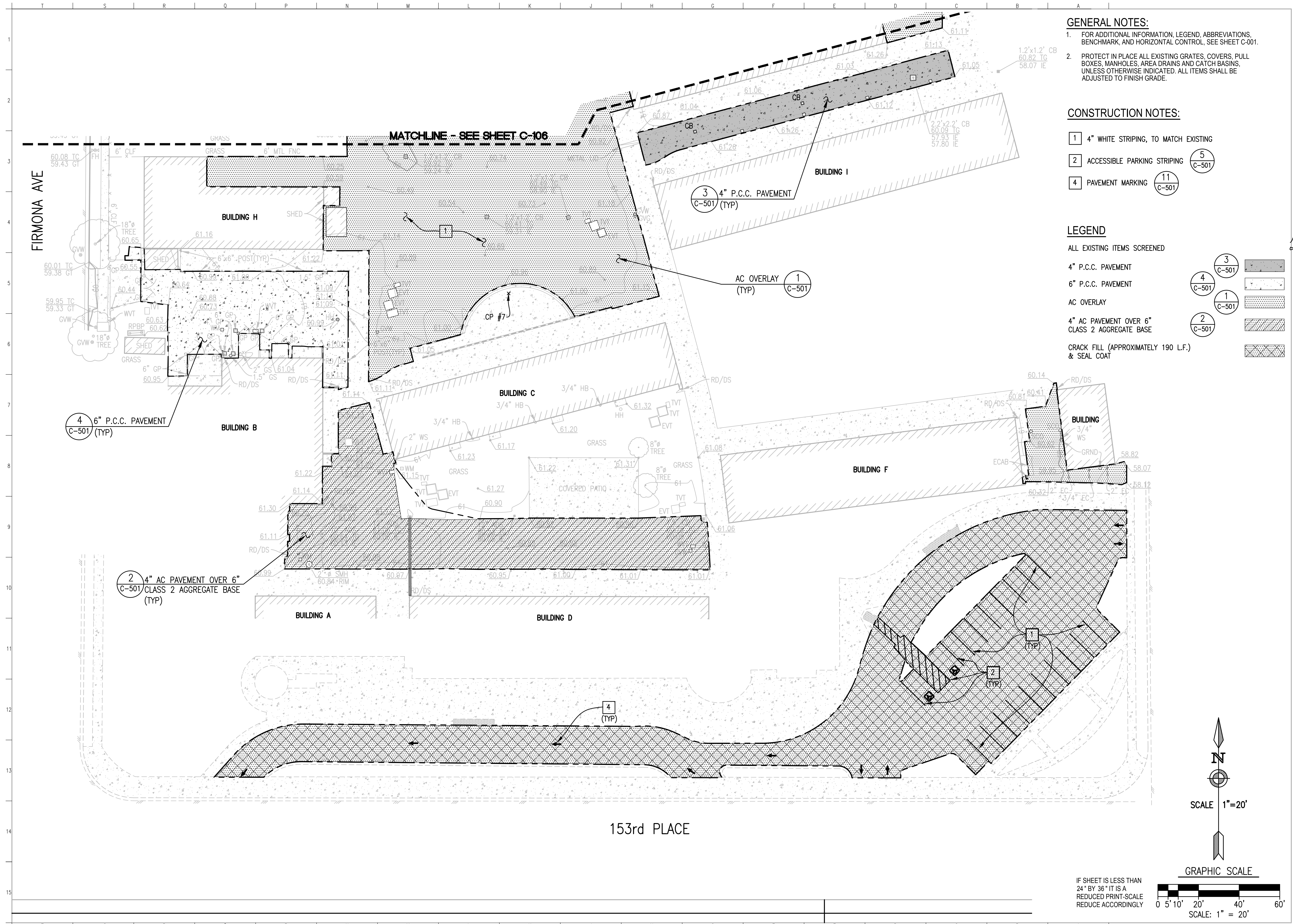
ENGINEER OF WORK:
BDS Engineering, Inc.
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
Lawndale, CA 90260
(310) 582-4499 FAX (310) 582-7428
DMS FILE: L:\PROJECTS\2020\Lawndale\BDS-C-102.dwg



BID SET



C-104



GENERAL NOTES:

- FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, AND HORIZONTAL CONTROL, SEE SHEET C-001.
- PROTECT IN PLACE ALL EXISTING GRATES, COVERS, PULL BOXES, MANHOLES, AREA DRAINS AND CATCH BASINS, UNLESS OTHERWISE INDICATED. ALL ITEMS SHALL BE ADJUSTED TO FINISH GRADE.

CONSTRUCTION NOTES:

- 4" WHITE STRIPING, TO MATCH EXISTING
- ACCESSIBLE PARKING STRIPING
- 4" P.C.C. PAVEMENT (TYP)
- PAVEMENT MARKING
- 5 C-501
- 11 C-501

LEGEND

ALL EXISTING ITEMS SCREENED

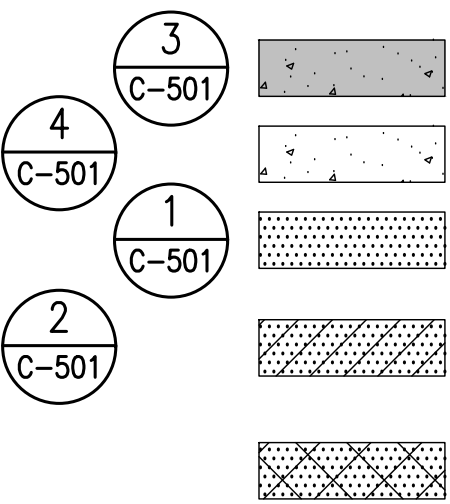
4" P.C.C. PAVEMENT

6" P.C.C. PAVEMENT

AC OVERLAY

4" AC PAVEMENT OVER 6" CLASS 2 AGGREGATE BASE

CRACK FILL (APPROXIMATELY 190 L.F.) & SEAL COAT



ENGINEER OF WORK:
BDS Engineering, Inc.
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
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(310) 582-4099 FAX (310) 582-7428
DMS FILE: L:\PROJECTS\2020\Lawndale\BDS\BDS-C-105.dwg



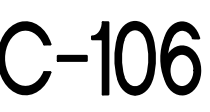
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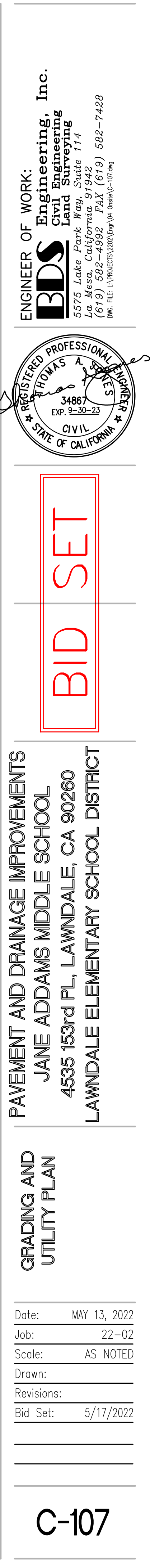
PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

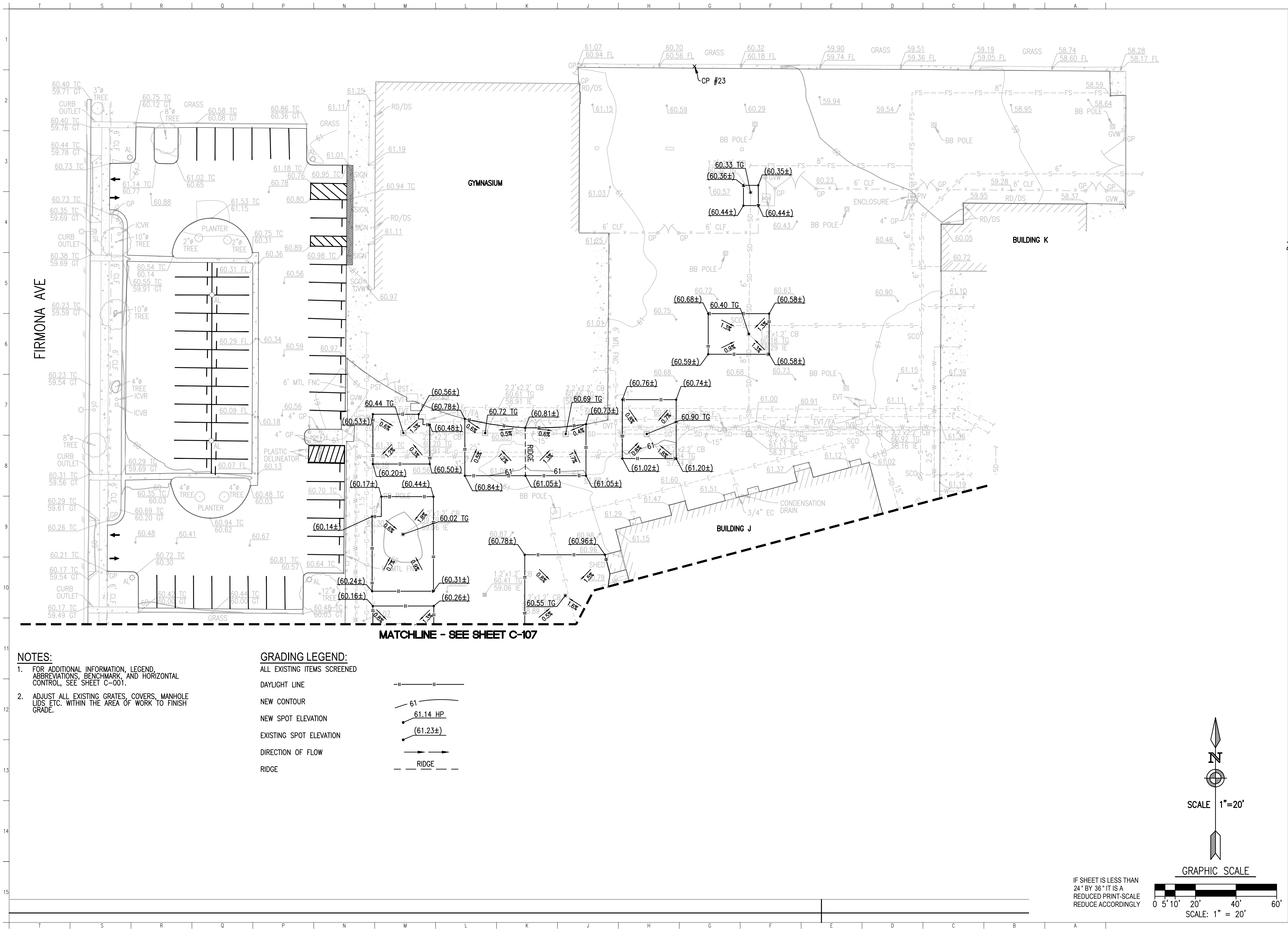
SITE AND
PAVING PLAN

Date: MAY 13, 2022
Job: 22-02
Scale: AS NOTED
Drawn:
Revisions:
Bid Set: 5/17/2022

C-105







ENGINEER OF WORK:
BDS Engineering, Inc.
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
Lawndale, CA 90260
(310) 552-4100 FAX (310) 552-7428
INC. FILE: L19040073 (2007) by M. D. Davis, C. S. 10449



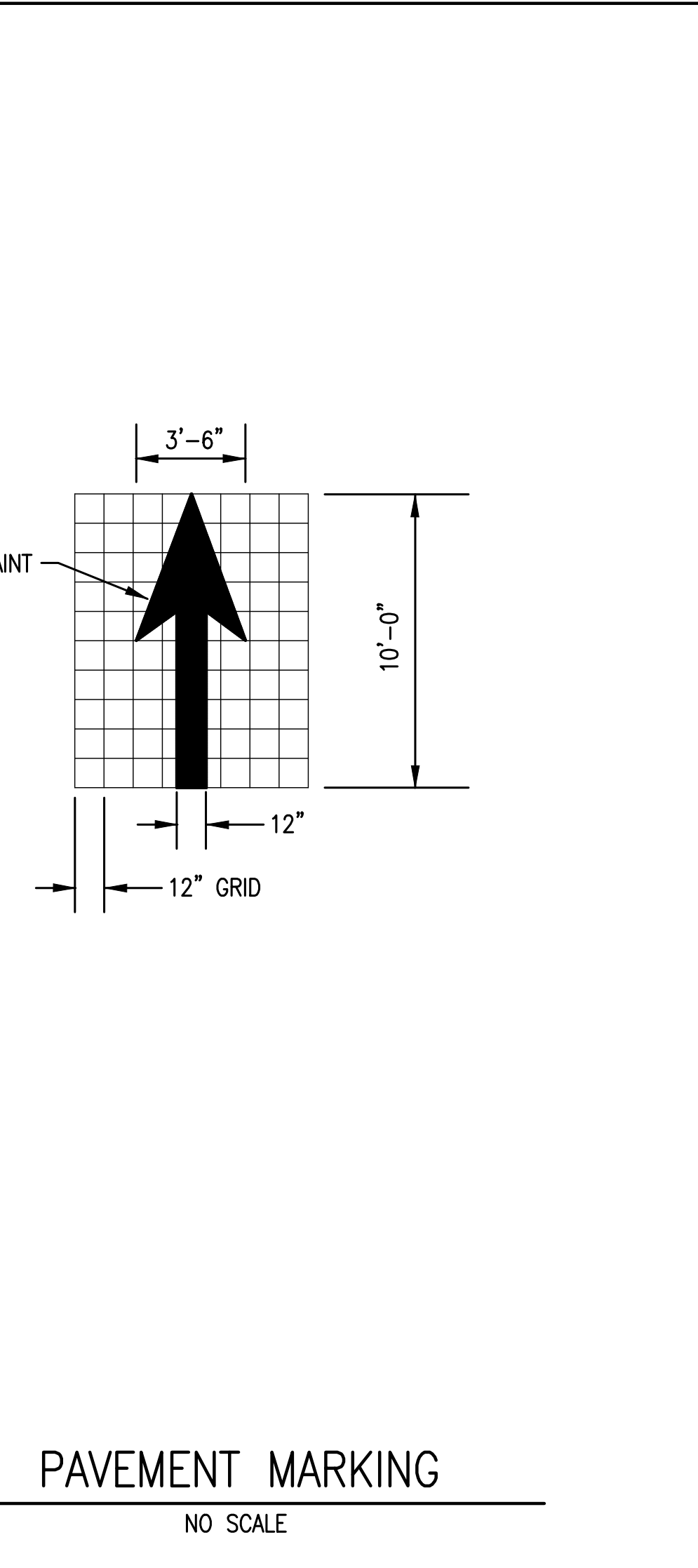
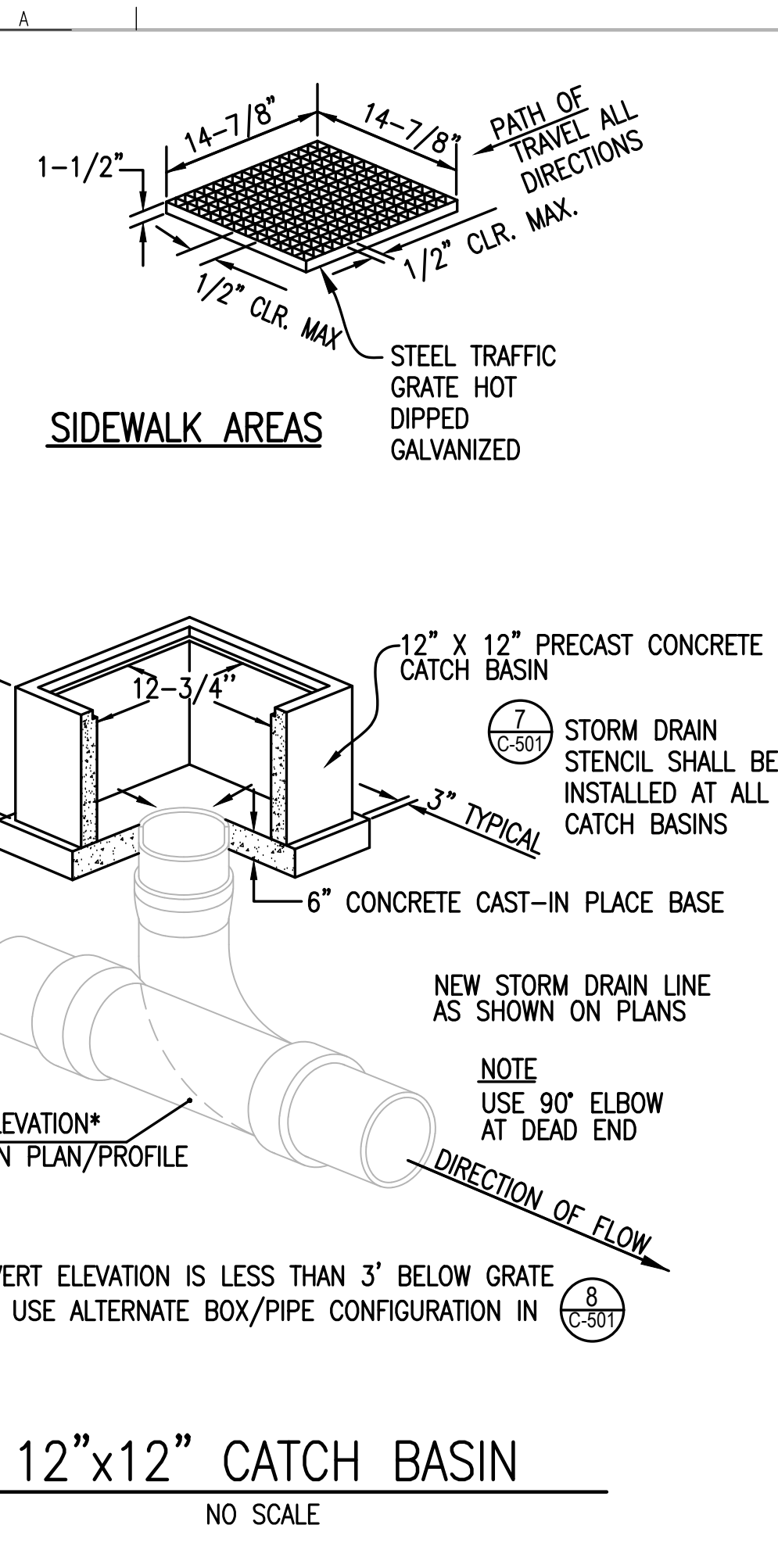
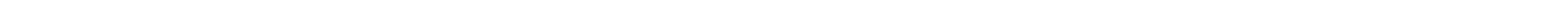
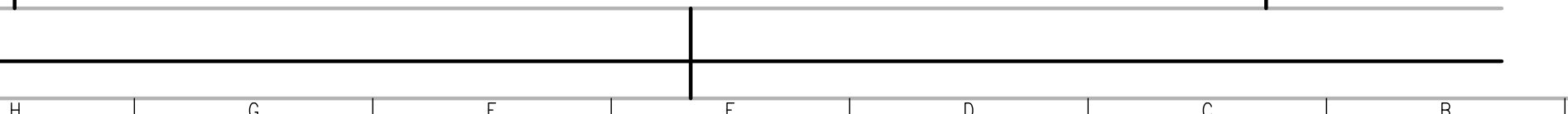
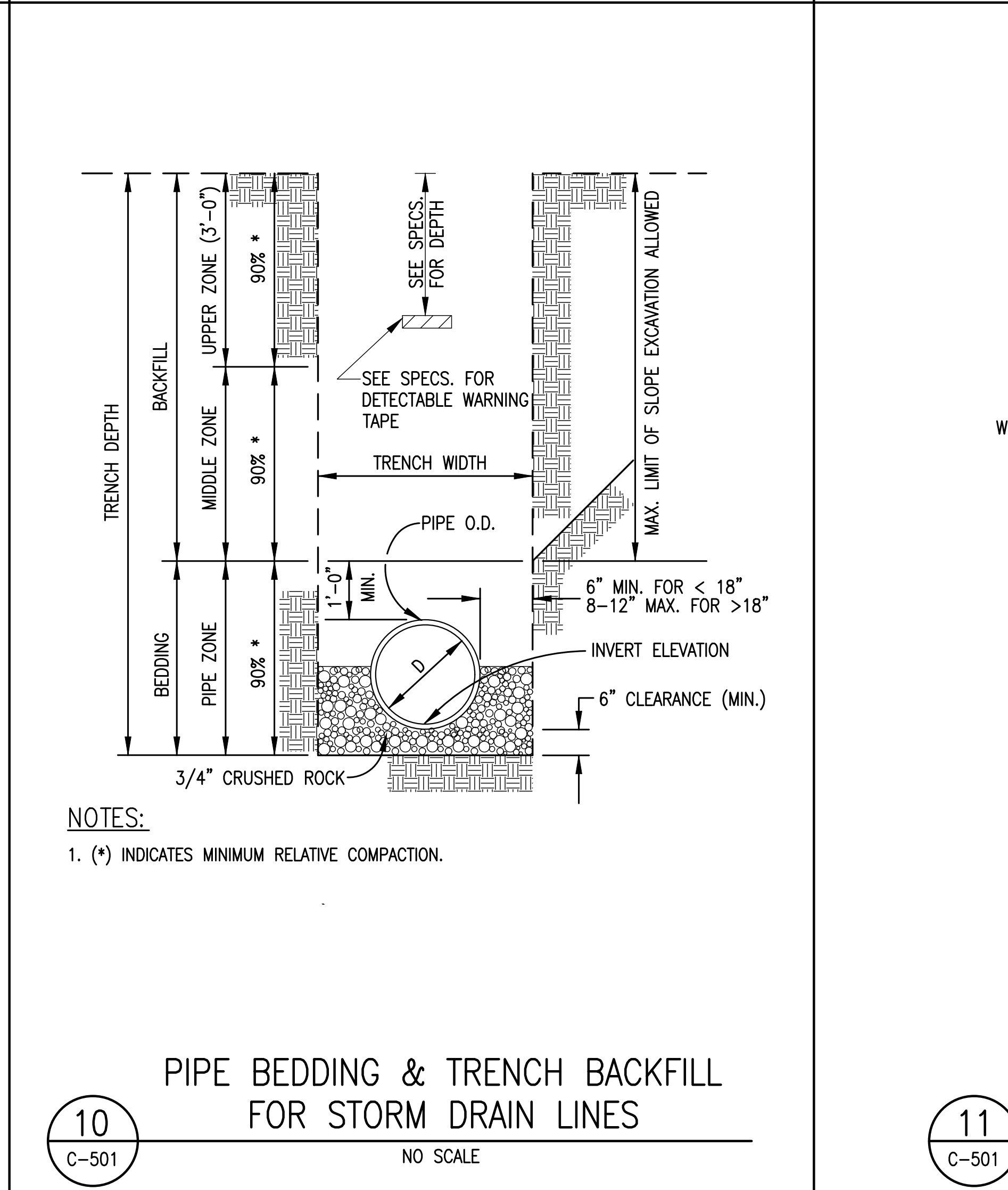
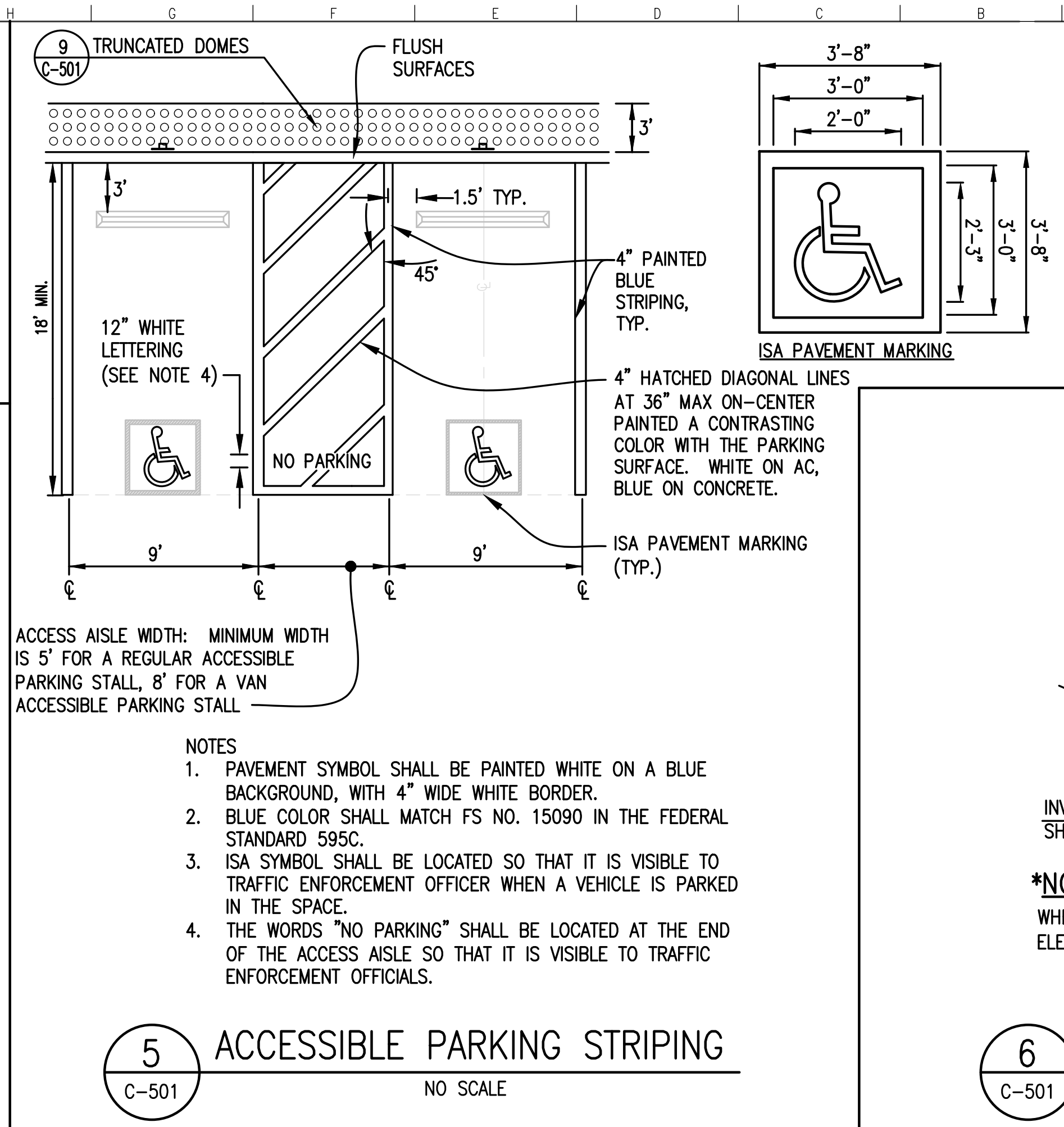
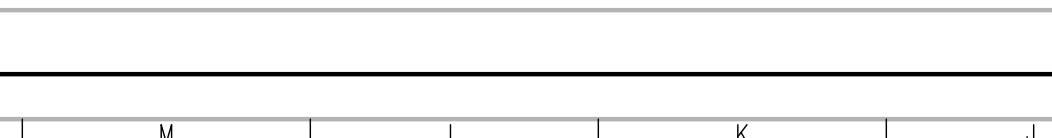
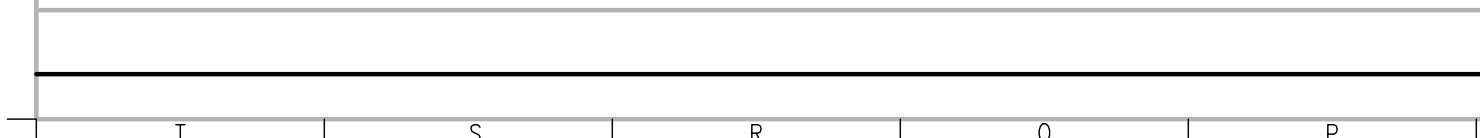
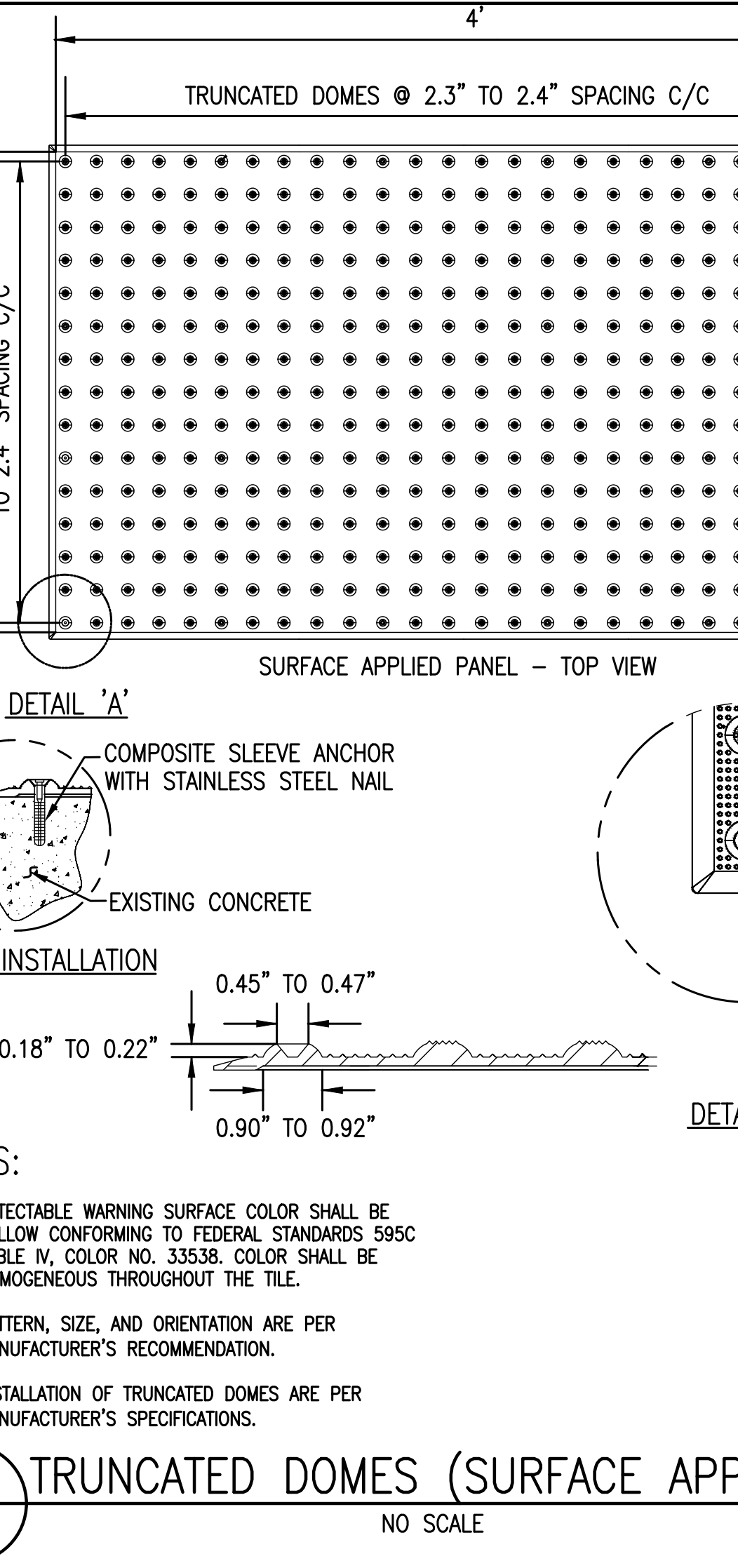
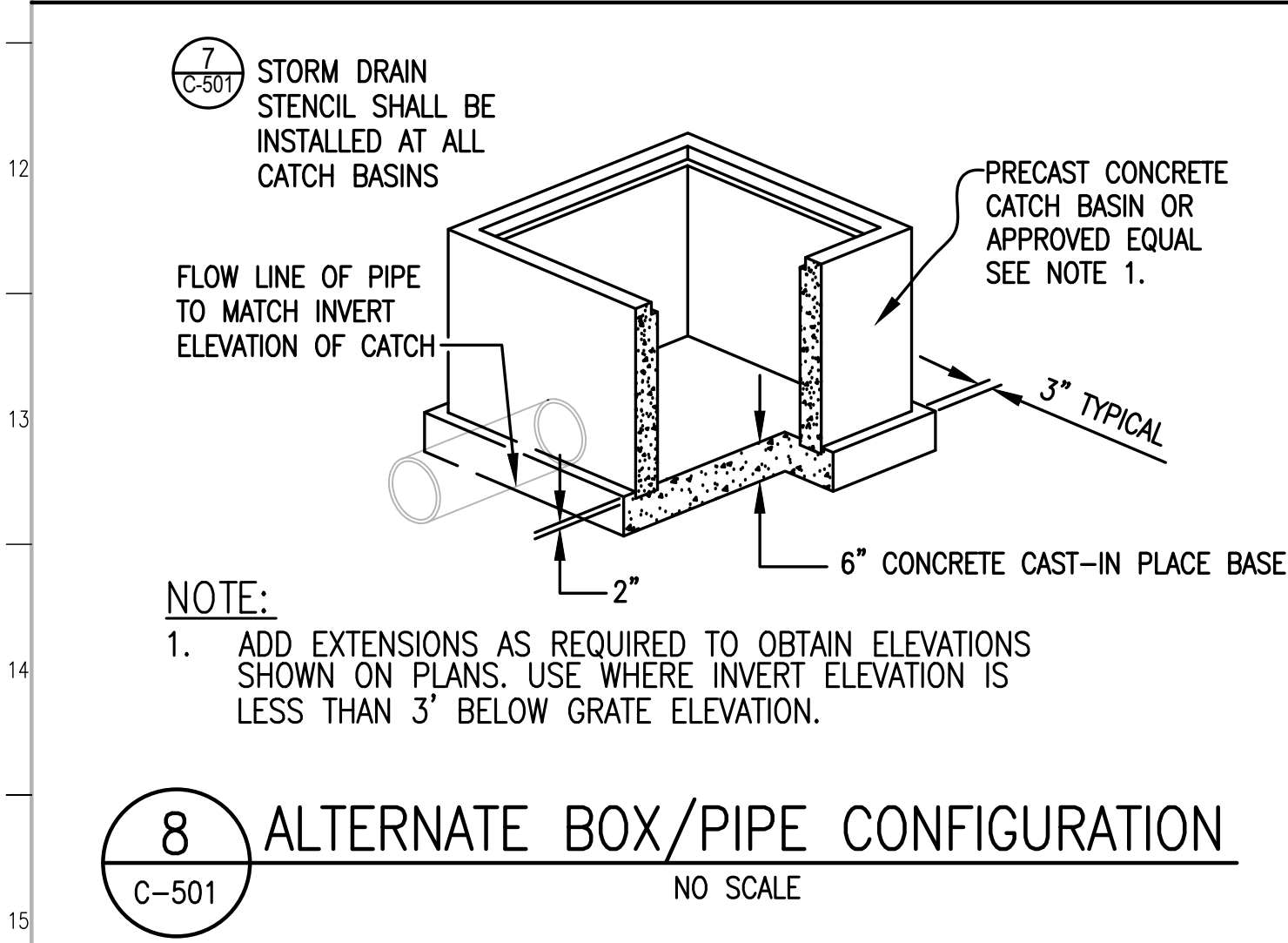
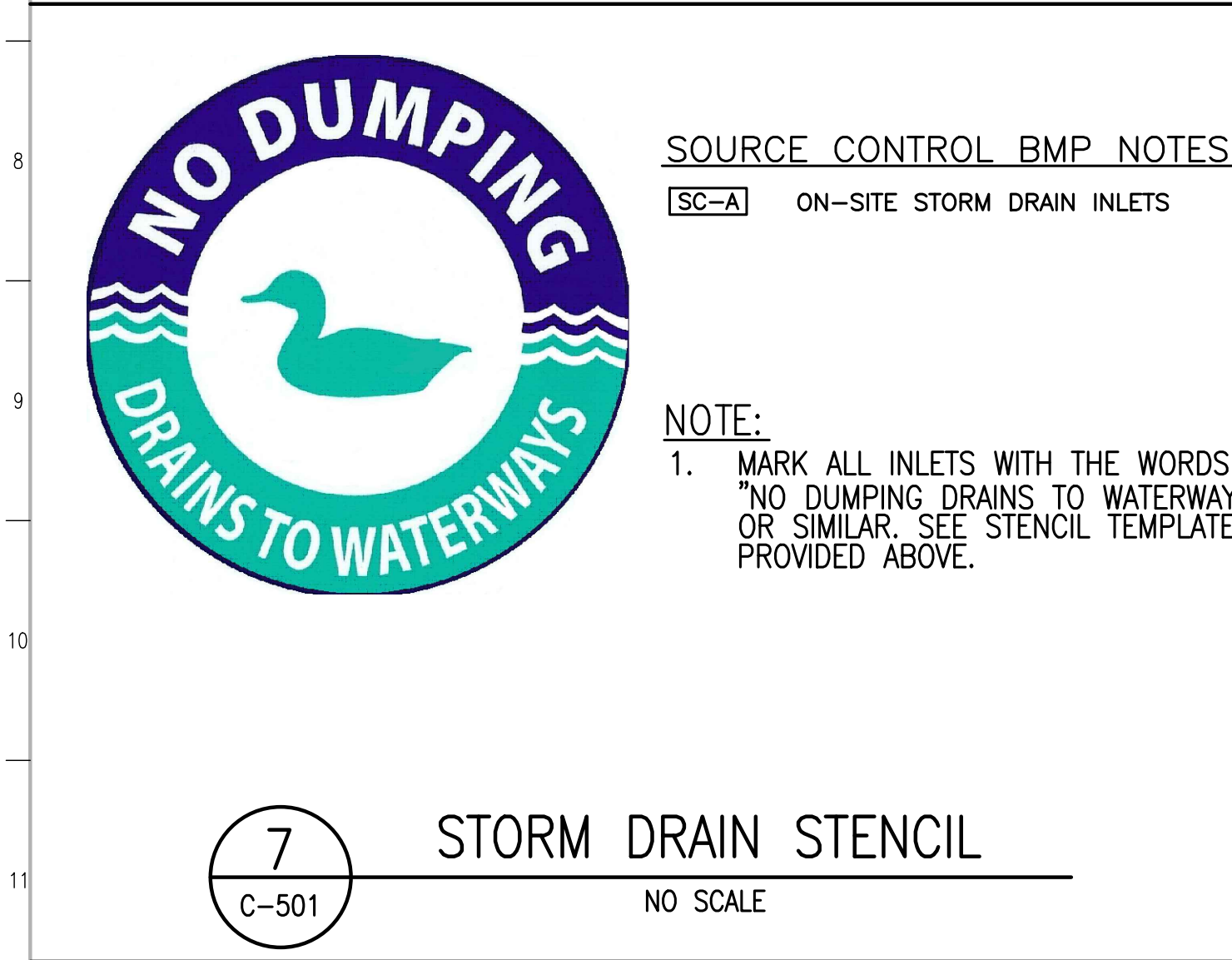
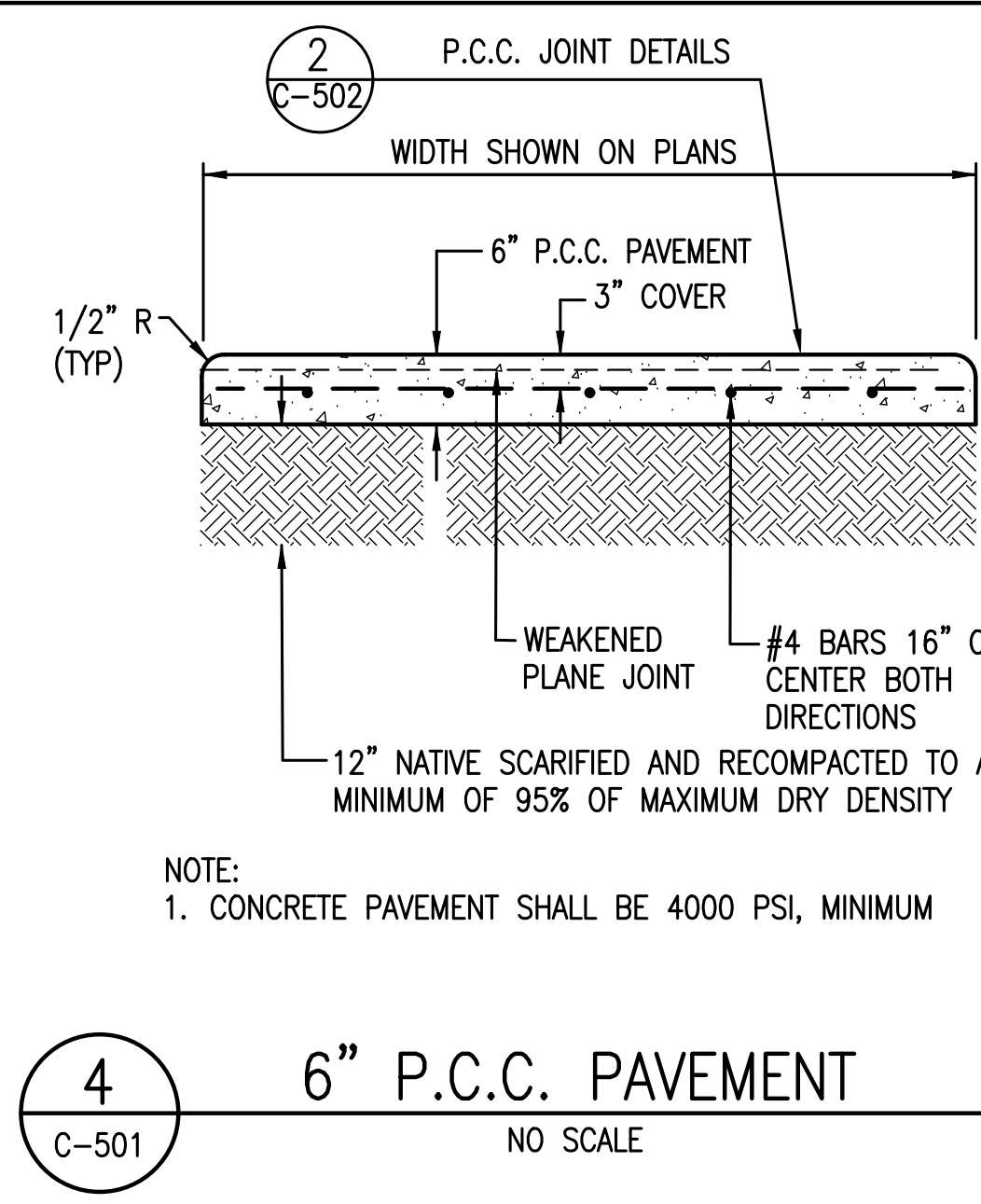
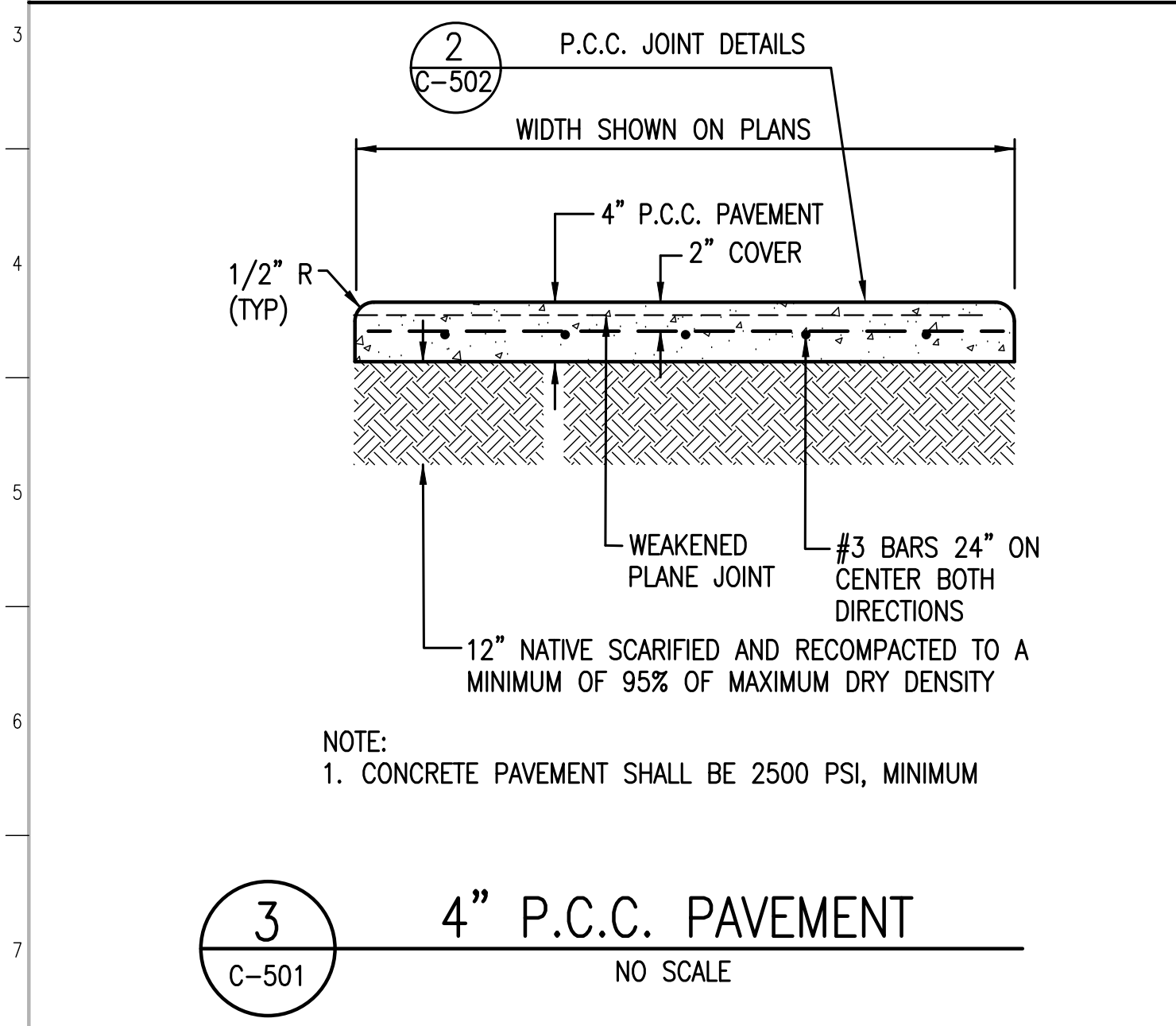
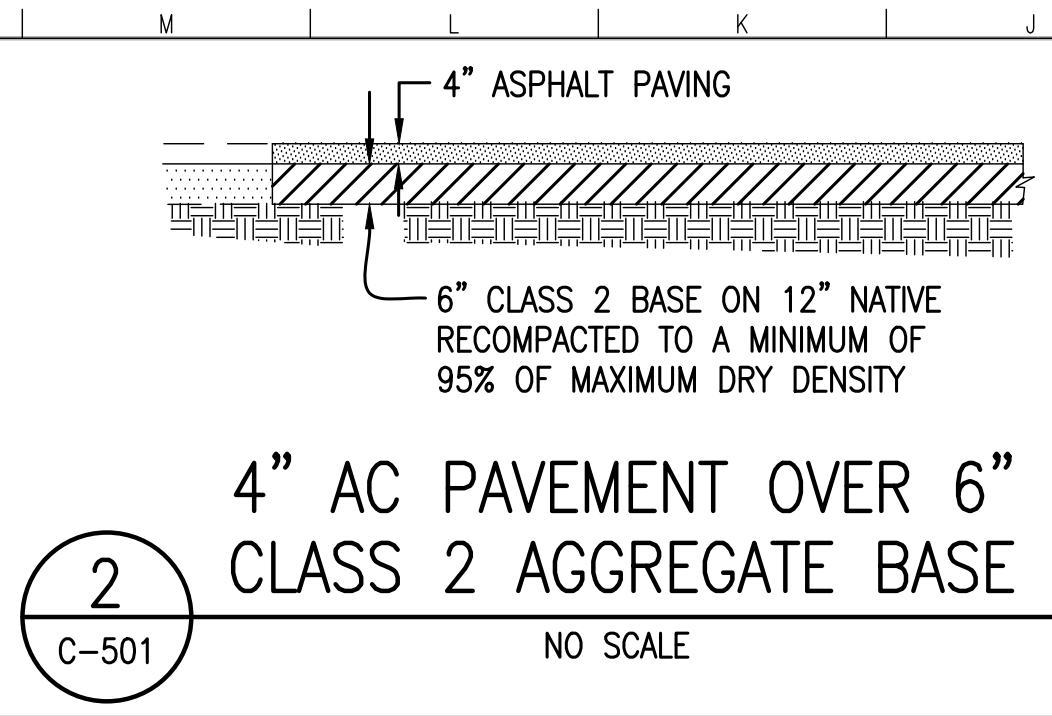
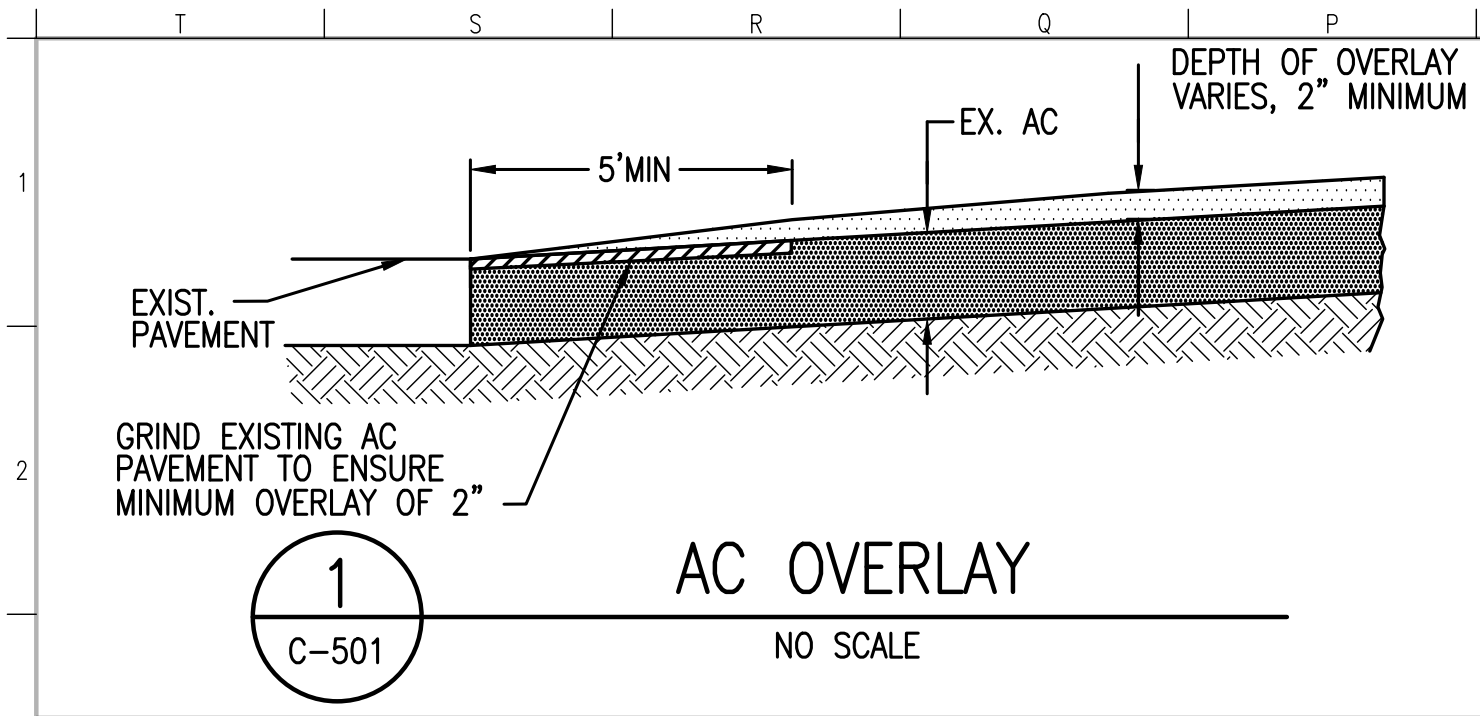
BID SET

PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

GRADING &
UTILITY PLAN

Date: MAY 13, 2022
Job: 22-02
Scale: AS NOTED
Drawn:
Revisions:
Bid Set: 5/17/2022

C-108



ENGINEER OF WORK: **BDS Engineering, Inc.**
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
San Diego, CA 92121
(619) 582-4100 FAX (619) 582-7428
WWW.BDS-ENGINEERING.COM

REGISTERED PROFESSIONAL ENGINEER
TOMAS A. BATES
34867
EXP. 8-30-23
CIVIL
STATE OF CALIFORNIA

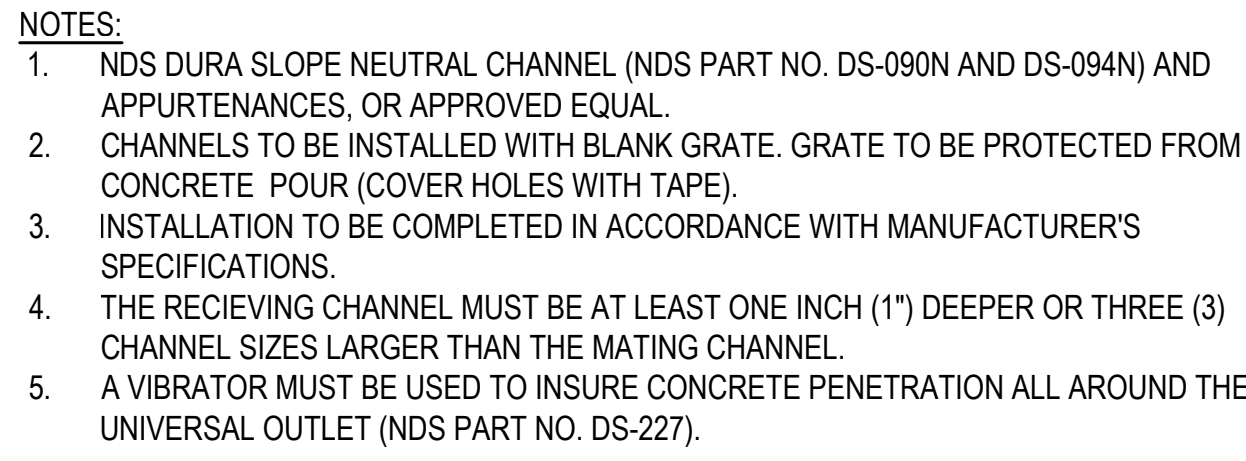
BID SET

PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

CIVIL DETAILS

Date: MAY 13, 2022
Job: 22-02
Scale: AS NOTED
Drawn:
Revisions:
Bid Set: 5/17/2022

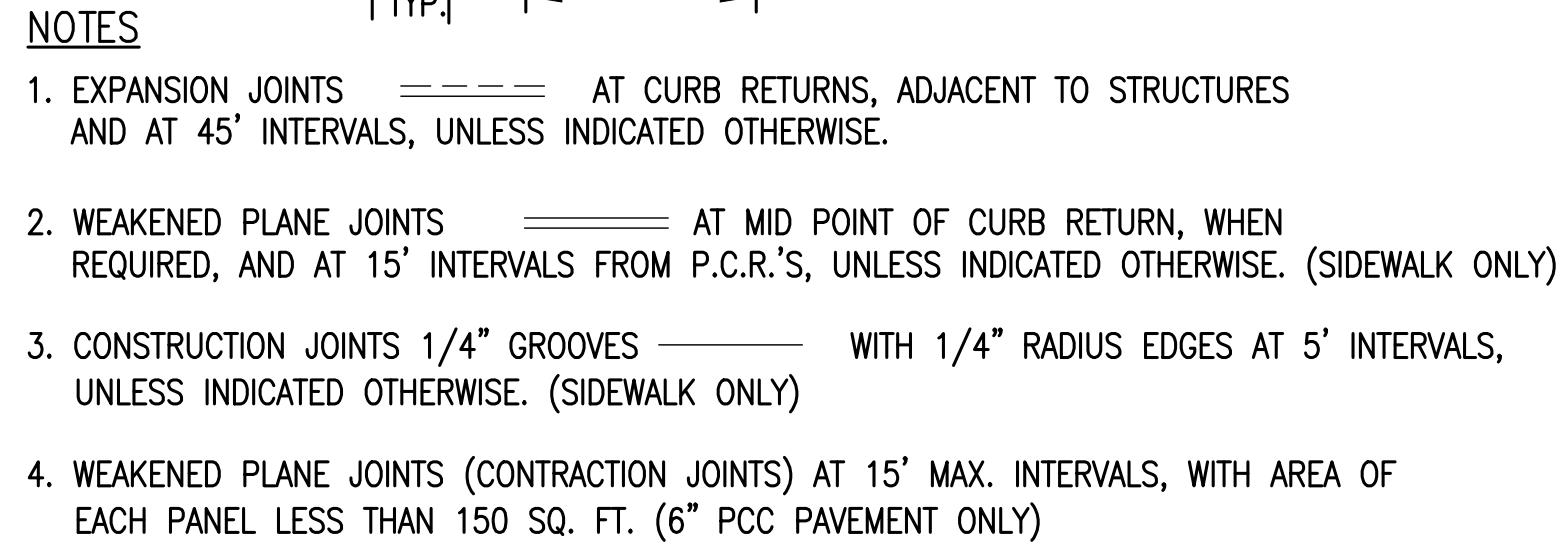
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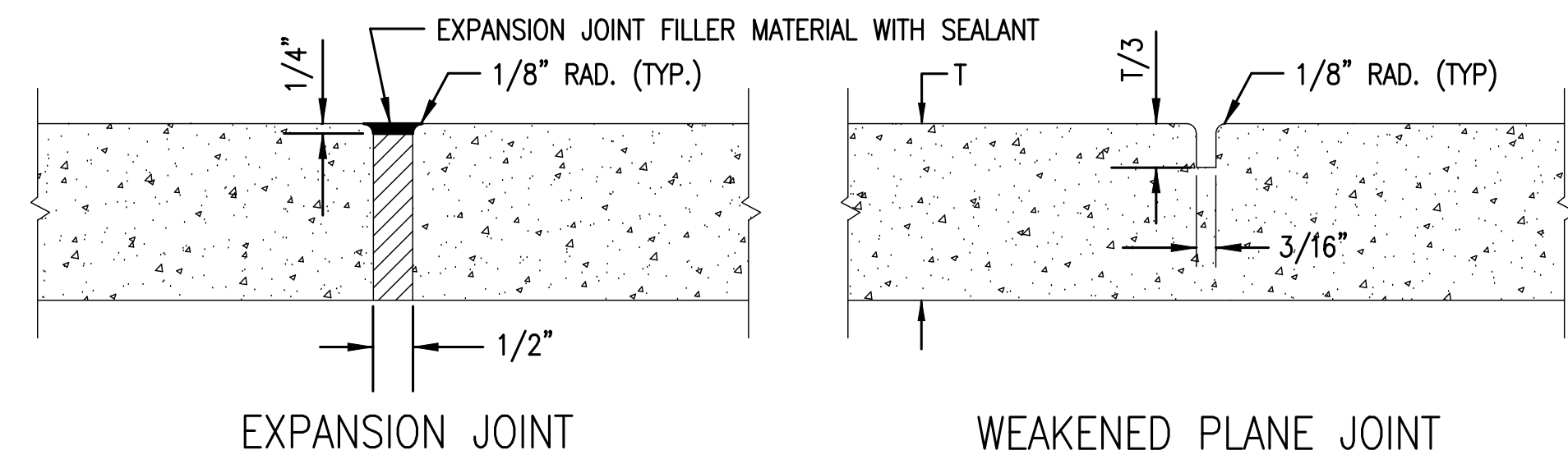
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C-502

6" TRENCH DRAIN

NO SCALE



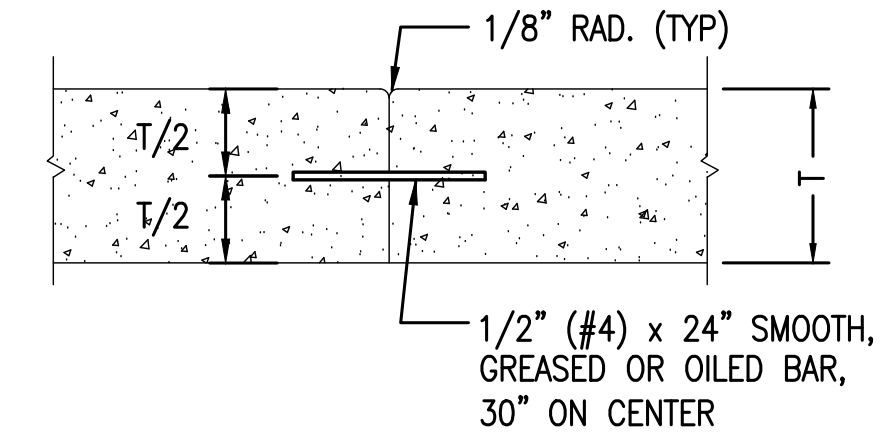
PCC JOINT LOCATIONS



2
C-502

P.C.C. JOINT DETAILS

NO SCALE



CONTACT JOINT

ENGINEER OF WORK:
BDS **Engineering, Inc.**
Civil Engineering
Land Surveying
5575 Lake Park Way, Suite 114
La Mesa, California 91942
(619) 582-4992 FAX (619) 582-7428
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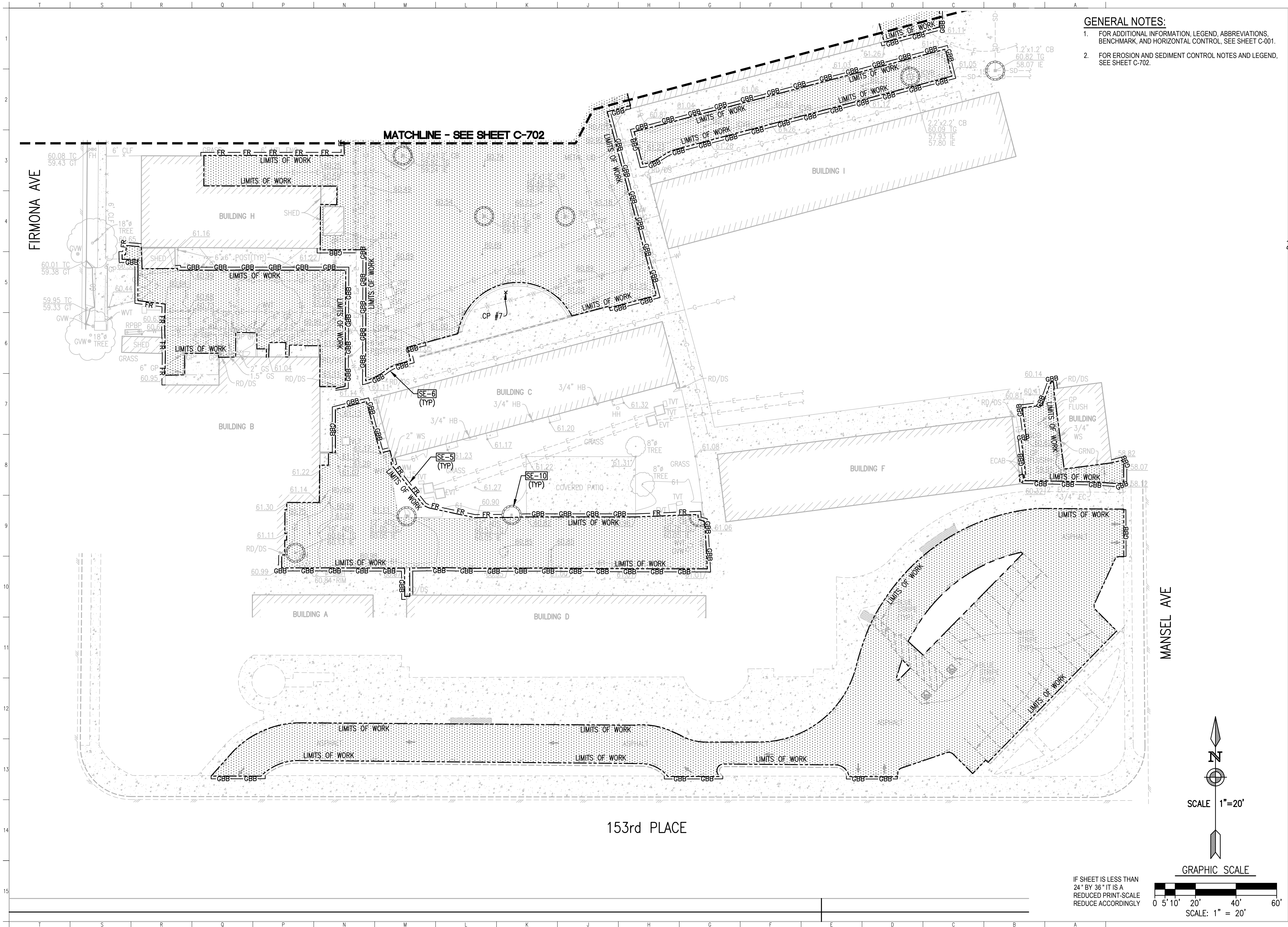
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JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

CIVIL DETAILS

Date:	MAY 13, 2022
Job:	22-02
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C-502



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WWW.BDS-ENGINEERING.COM

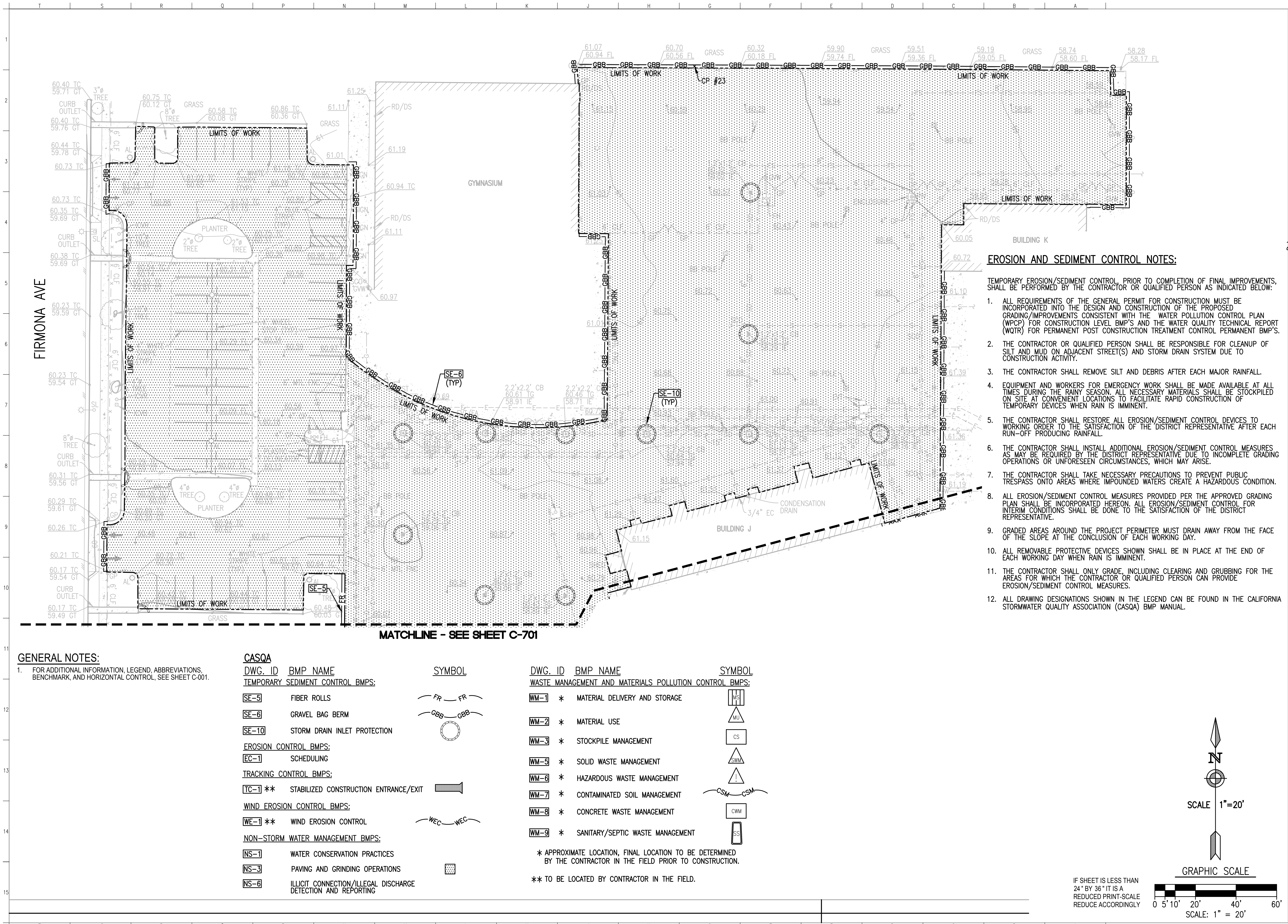


BID SET

PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
4535 153rd PL, LAWDALE, CA 90260
LAWDALE ELEMENTARY SCHOOL DISTRICT

EROSION CONTROL PLAN
Date: MAY 13, 2022
Job: 22-02
Scale: AS NOTED
Drawn:
Revisions:
Bid Set: 5/17/2022

C-701



GENERAL NOTES:

1. FOR ADDITIONAL INFORMATION, LEGEND, ABBREVIATIONS, BENCHMARK, AND HORIZONTAL CONTROL, SEE SHEET C-001.

CASQA

DWG. ID BMP NAME

TEMPORARY SEDIMENT CONTROL BMPs:

- SE-5 FIBER ROLLS
SE-6 GRAVEL BAG BERM
SE-10 STORM DRAIN INLET PROTECTION

EROSION CONTROL BMPs:

EC-1 SCHEDULING

TRACKING CONTROL BMPs:

TC-1 ** STABILIZED CONSTRUCTION ENTRANCE/EXIT

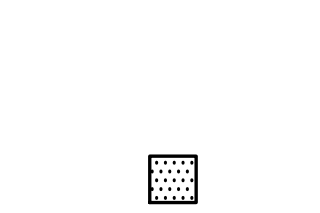
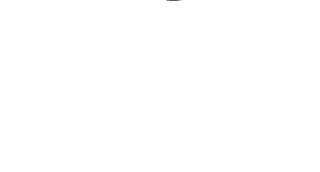
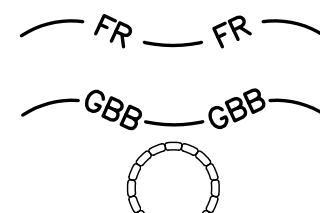
WIND EROSION CONTROL BMPs:

WE-1 ** WIND EROSION CONTROL

NON-STORM WATER MANAGEMENT BMPs:

- NS-1 WATER CONSERVATION PRACTICES
NS-3 PAVING AND GRINDING OPERATIONS
NS-6 ILLICIT CONNECTION/ILLEGAL DISCHARGE DETECTION AND REPORTING

SYMBOL



DWG. ID BMP NAME

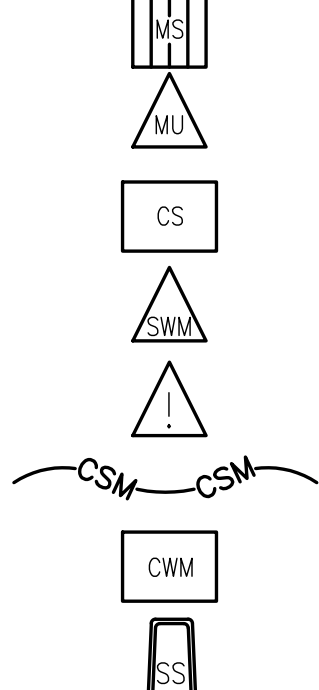
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs:

- WM-1 * MATERIAL DELIVERY AND STORAGE
WM-2 * MATERIAL USE
WM-3 * STOCKPILE MANAGEMENT
WM-5 * SOLID WASTE MANAGEMENT
WM-6 * HAZARDOUS WASTE MANAGEMENT
WM-7 * CONTAMINATED SOIL MANAGEMENT
WM-8 * CONCRETE WASTE MANAGEMENT
WM-9 * SANITARY/SEPTIC WASTE MANAGEMENT

* APPROXIMATE LOCATION, FINAL LOCATION TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.

** TO BE LOCATED BY CONTRACTOR IN THE FIELD.

SYMBOL



EROSION AND SEDIMENT CONTROL NOTES:

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE GENERAL PERMIT FOR CONSTRUCTION MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE WATER POLLUTION CONTROL PLAN (WPCP) FOR CONSTRUCTION LEVEL BMP'S AND THE WATER QUALITY TECHNICAL REPORT (WQTR) FOR PERMANENT POST CONSTRUCTION TREATMENT CONTROL PERMANENT BMP'S.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE DISTRICT REPRESENTATIVE AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE DISTRICT REPRESENTATIVE DUE TO INCOMPLETE GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE DISTRICT REPRESENTATIVE.
- GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- ALL DRAWING DESIGNATIONS SHOWN IN THE LEGEND CAN BE FOUND IN THE CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA) BMP MANUAL.

ENGINEER OF WORK:
BDS Engineering, Inc.
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PAVEMENT AND DRAINAGE IMPROVEMENTS
JANE ADDAMS MIDDLE SCHOOL
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LAWDALE ELEMENTARY SCHOOL DISTRICT

EROSION CONTROL
PLAN

Date: MAY 13, 2022
Job: 22-02
Scale: AS NOTED
Drawn:
Revisions:
Bid Set: 5/17/2022

C-702