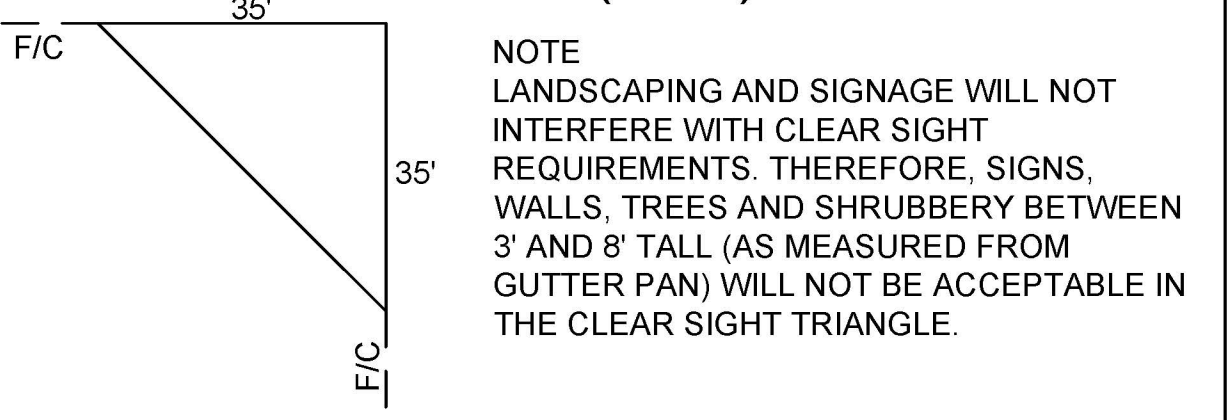


**SIGHT TRIANGLE (TYP)**



NOTE  
LANDSCAPING AND SIGNAGE WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS. THEREFORE, SIGNS, WALLS, TREES AND SHRUBBERY BETWEEN 3' AND 8' TALL (AS MEASURED FROM GUTTER PAN) WILL NOT BE ACCEPTABLE IN THE CLEAR SIGHT TRIANGLE.

PROJECT NO. \_\_\_\_\_  
APPLICATION NO. \_\_\_\_\_

THIS PLAN IS CONSISTENT WITH THE SPECIFIC SITE DEVELOPMENT PLAN APPROVED BY THE EPC, DATED \_\_\_\_\_ AND THE FINDINGS AND CONDITIONS IN THE OFFICIAL NOTIFICATION OF DECISION ARE SATISFIED.

IS AN INFRASTRUCTURE LIST REQUIRED ( ) YES ( ) NO  
IF YES THEN A SET OF APPROVED DRG PLANS WITH A WORK ORDER IS REQUIRED FOR ANY CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY OR FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS.

DRB SITE DEVELOPMENT PLAN FOR BUILDING PERMIT:

Janice Wolfenbarger	DATE	Jan 13, 2021
TRAFFIC ENGINEER, TRANSPORTATION DIVISION	DATE	Jan 19, 2021
ABCHIVA	DATE	Jan 13, 2021
PARKS AND RECREATION DEPARTMENT	DATE	Jan 13, 2021
Ernest Aronjo	DATE	Jan 13, 2021
CITY ENGINEER/HYDROLOGY	DATE	Jan 13, 2021
Carl Garcia	DATE	Jan 13, 2021
CODE ENFORCEMENT	DATE	Jan 13, 2021

ENVIRONMENTAL HEALTH DEPARTMENT (CONDITIONAL) DATE \_\_\_\_\_  
**APPROVED FOR ACCESS** *DJ Laskowski* 01-12-2021  
SOLID WASTE DATE \_\_\_\_\_  
DRB CHAIRPERSON, ALBUQUERQUE PLANNING DEPARTMENT DATE \_\_\_\_\_  
ENVIRONMENTAL HEALTH, IF NECESSARY DATE \_\_\_\_\_

- NOTES:
- ALL WORK SHALL BE PER THE CITY OF ALBUQUERQUE STANDARDS UNLESS NOTED OTHERWISE
  - ALL CAR STALLS ARE 9' WIDE BY 20' LONG UNLESS NOTED OTHERWISE
  - ALL VAN STALLS ARE 11' WIDE BY 27' LONG UNLESS NOTED OTHERWISE
  - PARKING LOT LIGHTING MAXIMUM HEIGHT = 30 FT.
  - CROSS LOT ACCESS / DRAINAGE EASEMENT FOR LOTS 13 & 14 RECORDED 10/06/2003 AS DOCUMENT # 2003184378 BK. A66 PG. 3998
  - CROSS LOT PARKING AGREEMENT (IN PROCESS)
  - PROJECT PHASING:  
7A. TENANT IMPROVEMENTS INSIDE BUILDING (BP-2020-15681)  
7B. IMPROVEMENTS EXTERIOR TO BUILDING

**PARKING DATA:**

SITE AREA: 8.34 ACRES  
TOTAL BUILDING AREA: 45,000 SF  
TOTAL DISTRIBUTION SPACE: 38,696 SF  
TOTAL OFFICE SPACE: 6,304 SF

**PARKING:**

REQUIRED: (19.33)	19 SPACES
(DISTRIBUTION CENTER 1/2,000 SF)	
REQUIRED: (22.06)	22 SPACES
(OFFICE SPACE 3.5/1,000 SF)	
TOTAL REQUIRED:	41 SPACES
TOTAL PROVIDED:	169 STANDARD SPACES
	18 COMPACT SPACES
	180 VAN SPACES

**MOTORCYCLE PARKING:**

REQUIRED:	2 SPACES
PROVIDED:	4 SPACES

**ELECTRIC VEHICLE PARKING:**

REQUIRED: (7.34)	8 SPACES
(2% OF PROVIDED SPACES)	
PROVIDED:	8 SPACES

**BICYCLE PARKING:**

REQUIRED: (4.9)	5 SPACES
10% OF REQUIRED CAR SPACES	
PROVIDED:	6 SPACES

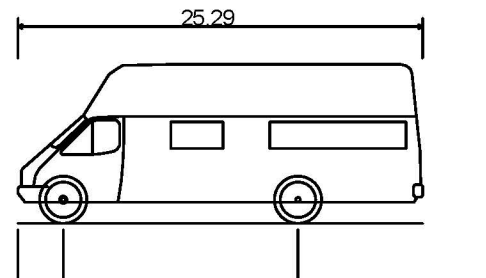
PARKING REQUIREMENTS PER SECTION 5-5 OF CITY OF ALBUQUERQUE IDO (REV MAY 2018)

- KEYNOTES:**
- INSTALL SPEED BUMP W/STRIPING (SEE SHEET 6)
  - INSTALL REMOVABLE BOLLARDS (SEE DETAIL 2250)
  - INSTALL TRAFFIC CONTROL ARMS
  - INSTALL CANOPY SEE STRUCTURAL
  - INSTALL LOADING PLATFORM SEE ARCHITECTURAL
  - INSTALL "MEANDERING" 5' WIDE CONCRETE WALK (SEE DETAIL 2430)
  - INSTALL 5' WIDE CONCRETE WALK (SEE DETAIL 2430)
  - INSTALL 4" FENCE
  - INSTALL NEW CURB CUT AND ENTRANCE (SEE DETAIL 2426)
  - INSTALL PAINTED CROSSWALK
  - PROVIDE AND INSTALL 5' WIDE PAINTED WALKWAY
  - PAINT DELIVERY VAN QUEUING (TYP)
  - PAINT DELIVERY VAN LAUNCHPAD (TYP)
  - PAINT DOCK PARKING STRIPES (TYP)
  - PAINT MOTORCYCLE PARKING STRIPES (TYP)
  - PAINT EV PARKING STRIPES (TYP)
  - CONSTRUCT RETAINING WALL
  - PAINT STOP BAR
  - INSTALL STOP SIGN
  - INSTALL DO NOT ENTER SIGN
  - INSTALL BIKE RACK (SEE DETAIL SHEET 11)
  - 2" WIDE CURB CUT
  - CRENELLATED CURB
  - INSTALL 30' L.E.D. PARKING LIGHT
  - EXISTING 5' CONCRETE WALK (SEE DETAIL 2430)
  - INSTALL CURB RAMP (SEE DETAIL 2418)
  - INSTALL EV CHARGING STATION
  - INSTALL "SPEED BUMPS AHEAD" SIGN
  - INSTALL "MOTORCYCLE PARKING" SIGN
  - INSTALL "HUB CUSTOMER PARKING" SIGN
  - INSTALL "VISITOR" SIGN
  - INSTALL "NO TRUCK" SIGN
  - INSTALL "BUMP" AND "5 MPH" SIGNS
  - INSTALL STANDARD HEADER CURB
  - INSTALL CURB TRANSITION
  - INSTALL FLUSH CURB

- SITE DATA:**
- LEGAL DESCRIPTION**  
ALL OF LOTS 11, 12 & 13 OF LOTS 11 THRU 23, MERIDIAN BUSINESS PARK, A SUBDIVISION IN ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO  
CONTAINING ± 363,308 SQ.FT. OR 8.34 ACRES
  - ZONING**  
THE SUBJECT PROPERTY IS CURRENTLY ZONED NR-BP, NON RESIDENTIAL BUSINESS PARK ZONE DISTRICT.  
ADDRESS  
7300 MERIDIAN PL.

**PAVING LEGEND**

[Symbol]	NEW CONCRETE SIDEWALK (SEE DETAIL SHEET C007)
[Symbol]	NEW STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C008)
[Symbol]	NEW HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C008)
[Symbol]	MILL & OVERLAY EXISTING ASPHALT PAVEMENT
[Symbol]	NEW CONCRETE PAVEMENT (SEE DETAIL SHEET C008)
[Symbol]	NEW HEADER CURB (SEE DETAIL 2415B)
[Symbol]	TRANSITION CURB (0'-6")
[Symbol]	FLUSH CURB (0") (SEE DETAIL 2415A)
[Symbol]	CRENELLATED CURB (SEE DETAIL SHEET C006)



Ford E450  
Overall Length 25.290ft  
Overall Width 9.750ft  
Overall Body Height 9.941ft  
Min Body Ground Clearance 1.312ft  
Track Width 8.750ft  
Lock-to-lock time 6.00s  
Wall to Wall Turning Radius 34.300ft

THE ABOVE VEHICLE WILL BE THE LARGEST VEHICLE TO ENTER AND EXIT THE SITE THROUGH THE BLUEWATER DR. ENTRANCE.  
THE AIRPORT DR. ENTRANCE HAS BEEN DESIGNED TO ALLOW A FIRE TRUCK TO ENTER PER THE FIRE 1 PLAN.  
THE EXISTING WESTERN ENTRANCE ON MERIDIAN PLACE IS DESIGNED FOR WB-67 ACCESS AND SHALL RETAIN THIS TRAFFIC SIZE.

**brr**  
ARCHITECT OF RECORD:

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**Revisions**

NO.	DATE	DESCRIPTION
5	12/9/2020	BUILDING EXT. & SITE

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
C.J.F.  
Checked By:  
MVE  
Drawn by:  
ELM  
Document date:  
09/28/2020

Project No.  
30000481 MEC# 191313-000

Professional Seal

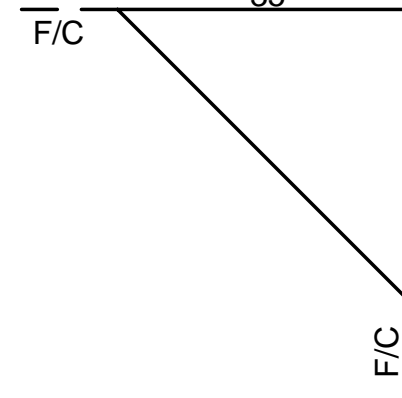
CALEB J. FLAKE  
NEW MEXICO  
24114  
REGISTERED PROFESSIONAL ENGINEER  
1/8/2021

Sheet Title  
SITE PLAN

Sheet No.  
**SPBP 001**

BY: ENCOQUEEN PLOT DATE: 1/8/2021 8:22 AM P:\191313-000\06-DRAWINGS\CIVIL\SITE PLAN SHEETS\191313-000 SITE.DWG

**SIGHT TRIANGLE (TYP)**



NOTE  
LANDSCAPING AND SIGNAGE WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS. THEREFORE, SIGNS, WALLS, TREES AND SHRUBBERY BETWEEN 3' AND 8' TALL (AS MEASURED FROM GUTTER PAN) WILL NOT BE ACCEPTABLE IN THE CLEAR SIGHT TRIANGLE.

LANDSCAPING AND SIGNAGE WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS

PROPERTY LINE

LANDSCAPING AND SIGNAGE WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS

LANDSCAPING AND SIGNAGE WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS

EXISTING LANDSCAPE TO REMAIN  
EXISTING IRRIGATION METER TO REMAIN

EXISTING 45,000 S.F. BUILDING TO BE RETROFITTED  
ZONED NR-BP LOT 13  
UPC: 101005722646320107  
OWNER: BRUNACINI DEVELOPMENT LTD. CO.

2,9185 ALICE  
(SEE GENERAL NOTE 13)  
4' AMERISTAR MONTAGE MAJESTIC FENCE  
OR APPROVED EQUAL RE: 6/LAND\_003

EXISTING LANDSCAPE TO REMAIN

EXISTING 41,293 S.F. BUILDING TO REMAIN  
ZONED NR-BP LOT 14  
UPC: 101005722646320107  
OWNER: BRUNACINI DEVELOPMENT LTD. CO.  
(SEE GENERAL NOTE 13)

1/L003

**LANDSCAPE REQUIREMENTS**

PER THE ALBUQUERQUE, NEW MEXICO INTEGRATED DEVELOPMENT ORDINANCE:

AREA CALCULATION	REQUIRED	PROVIDED
NET LOT AREA (IMPACTED LOTS 11 & 12 ONLY)	N/A	235,855 SF
(EXISTING LANDSCAPE TO REMAIN FOR LOT 13 & NOT INCLUDED IN CALCUS)		
REQUIRED LANDSCAPE (50% OF NET LOT AREA)	35,348 SF	39,956 SF
VEGETATIVE COVER (75% OF REQUIRED LANDSCAPE)	26,511 SF	53,856 SF
GROUND COVER (25% OF REQUIRED VEGETATIVE)	6,627 SF	38,929 SF (CRUSHER FINE)
		4,028 SF (SHRUBS/GRASSES)

PER SECTION 5-6(D)(1)

STREET TREES	LENGTH	REQUIRED	PROVIDED
AIRPORT DR.	764 LF	ONE TREE PER 25 LF FRONTAGE (31 TREES)	31 NEW TREES
MERIDIAN PL.	389 LF	ONE TREE PER 25 LF FRONTAGE (16 TREES)	16 NEW TREES
BLUEWATER RD.	296 LF	ONE TREE PER 25 LF FRONTAGE (12 TREES)	12 NEW TREES

PER SECTION 5-6(F)(2)

INTERIOR PARKING LANDSCAPE	STALLS	REQUIRED	PROVIDED
PARKING LOT	367	ONE TREE PER 10 STALLS (37 TREES)	37 NEW TREES

PER ATRISCO BUSINESS PARK MASTER PLAN

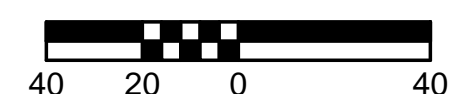
LANDSCAPE STANDARDS	LF	REQUIRED	PROVIDED
PERIMETER PARKING LANDSCAPE	350	ONE TREE PER 40 LF (9 TREES)	9 NEW TREES
PARKING LOT PERIMETER NOT ADJACENT TO ROAD			

STREET TREES

STREET TREES	LENGTH	REQUIRED	PROVIDED
AIRPORT DR.	764 LF	ONE TREE PER 25 LF FRONTAGE (31 TREES)	31 NEW TREES
MERIDIAN PL.	389 LF	ONE TREE PER 25 LF FRONTAGE (16 TREES)	16 NEW TREES
BLUEWATER RD.	296 LF	ONE TREE PER 25 LF FRONTAGE (12 TREES)	12 NEW TREES

DECIDUOUS-EVERGREEN TREE RATIO	TREES	REQUIRED	PROVIDED
	89 TOTAL TREES	30% TREES TO BE EVERGREEN (27 TREES)	27 NEW EVERGREEN TREES 62 NEW DECIDUOUS TREES

\* PER THE ATRISCO BUSINESS PARK MASTER DEVELOPMENT PLAN, SHEET 4 OF 10 "DEVELOPMENT SKETCHES" AND DATED OCTOBER 28, 1992, UNDER THE SECTIONS TITLED "SCREENING WALLS AND FENCE", THIS DEVELOPMENT HAS ELECTED TO UTILIZE EXISTING LANDSCAPE MATERIAL TO PROVIDE THE MINIMUM SCREENING HEIGHT OF 4'. PER THIS SCREENING SECTION, "IF WALLS ARE NOT REQUIRED FOR A SPECIFIC SCREENING OR SECURITY PURPOSE, THEY SHOULD NOT BE UTILIZED."



**1 OVERALL LANDSCAPE PLANTING PLAN**

1" = 40'

BY: DANNY MITCHELL  
P: 191313-0003-CORRESPONDENCE/OUTSIDE DOCUMENTS/MITCHELL ASSOCIATES (LA)/2020-12-03 FINAL PERMIT/191313-000 LDRP.DWG  
PLOT DATE: 12/3/2020 10:31 AM



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Revisions

NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE

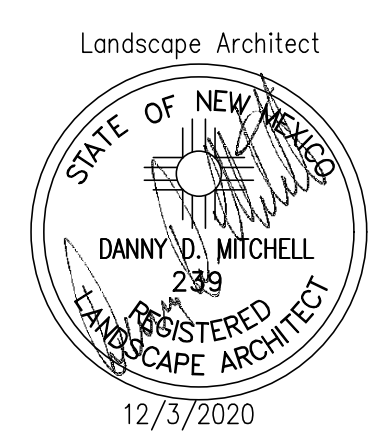
WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
CJF  
Checked By:  
GMP  
Drawn by:  
AJD  
Document date:  
06/18/2020

Project No.  
30000481 MEC# 191313-000

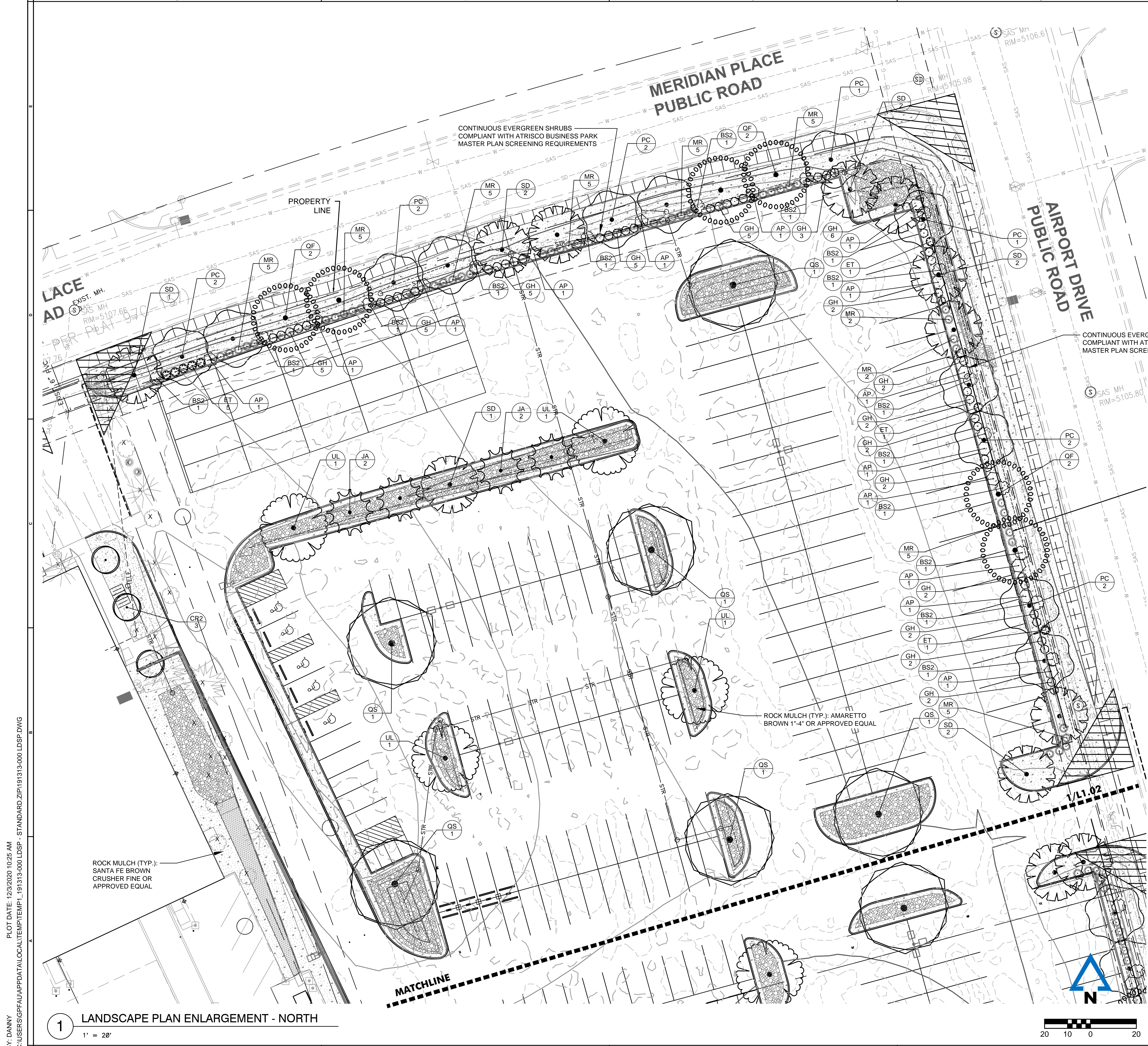
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Sheet Title  
OVERALL LANDSCAPE PLAN

Sheet No.

**L1.00**



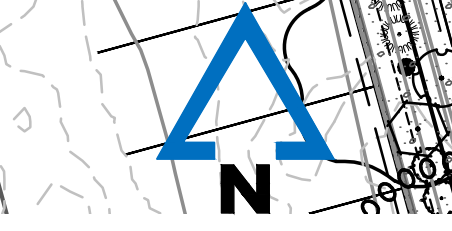
BY: DANNY  
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 PLOT DATE: 12/3/2020 10:25 AM

**1** LANDSCAPE PLAN ENLARGEMENT - NORTH  
1" = 20'

**PLANT LEGEND**

<b>TREES</b>	<b>BOTANICAL / COMMON NAME</b>
CR2	Cercis reniformis / Oklahoma Red Bud
JA	Juniperus deppeana / Alligator Juniper
PE	Pinus eldarica / Afghan Pine
PC	Pistacia chinensis / Chinese Pistache
QF	Quercus fusiformis / Texas Live Oak
QS	Quercus shumardii / Shumard Red Oak
SD	Sapindus drummondii / Western Soapberry
UL	Ulmus parvifolia / Chinese Lacebark Elm
<b>SHRUBS</b>	<b>BOTANICAL / COMMON NAME</b>
AP	Arctostaphylos pungens / Point Leaf Manzanita
BS2	Baccharis sarothroides / Desertbroom
ET	Ericameria laricifolia / Turpentine Bush
GH	Genista hispanica / Spanish Broom
<b>GRASSES</b>	<b>BOTANICAL / COMMON NAME</b>
MR	Muhlenbergia rigens / Deer Grass
<b>GROUND COVERS</b>	<b>BOTANICAL / COMMON NAME</b>
	Rock Mulch / Santa Fe Brown Crusher Fine/Approved Equal 3" Depth Min.
	Rock Mulch / Amaretto Brown 1'-4" / Approved Equal 4" Depth Min.

**2** PLANT LEGEND (SEE FULL SCHEDULE ON L2.00)  
NTS



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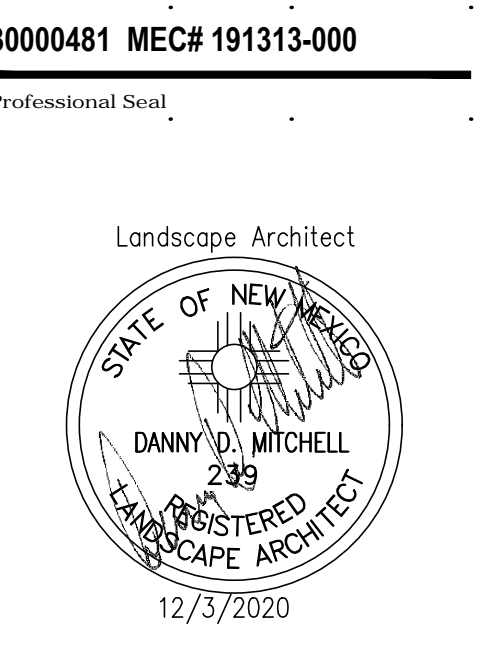
**Revisions**

NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE

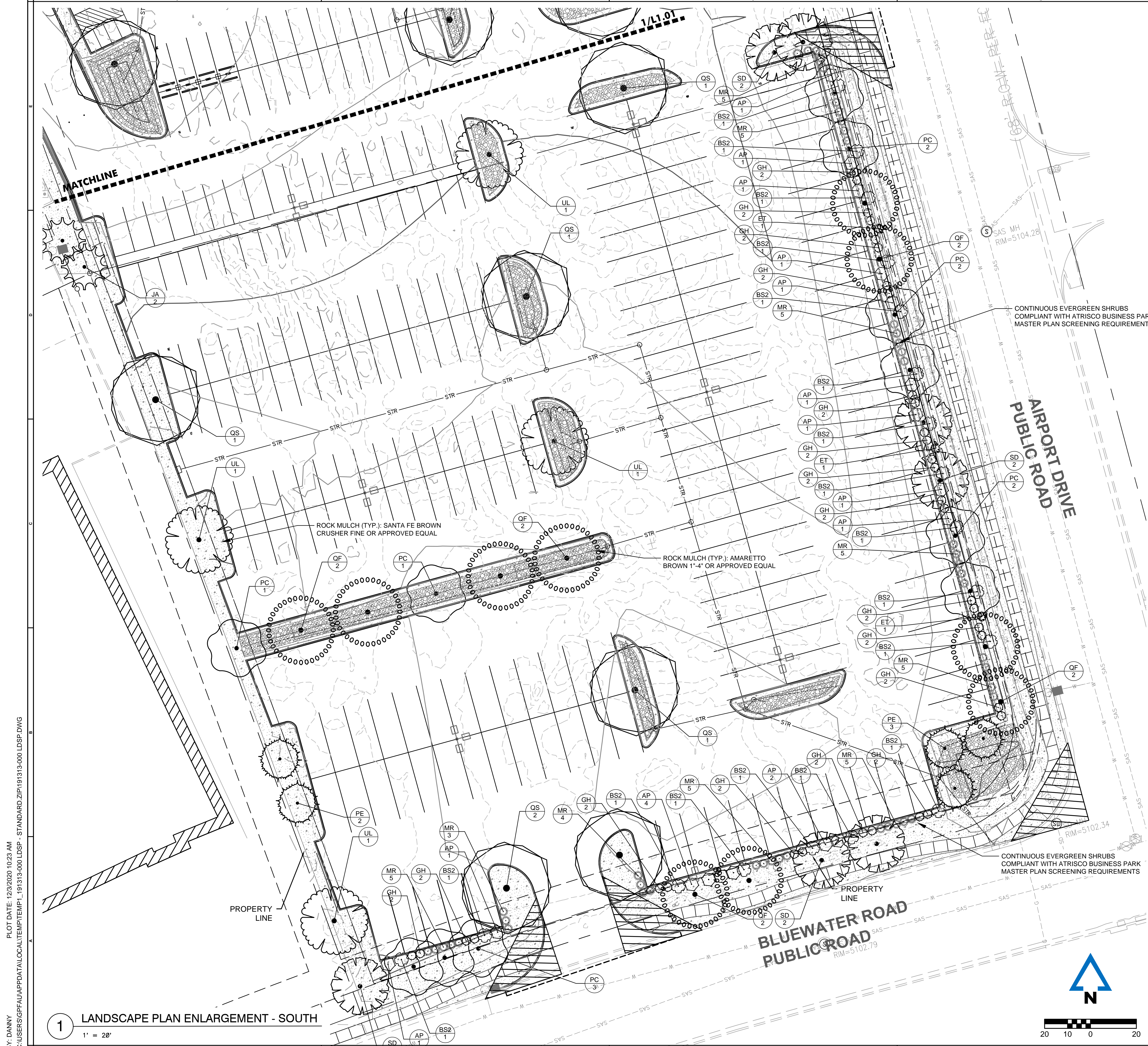
WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 CJF  
 Checked By:  
 GMP  
 Drawn by:  
 AJD  
 Document date:  
 04/17/2020  
 Project No.  
 30000481 MEC# 191313-000



Sheet Title  
**LANDSCAPE PLAN ENLARGEMENT - NORTH**  
 Sheet No.  
**L1.01**

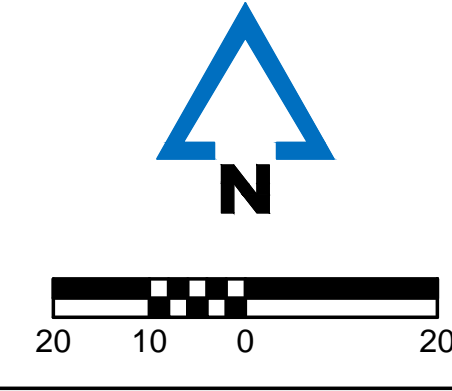


1 LANDSCAPE PLAN ENLARGEMENT - SOUTH  
1" = 20'

**PLANT SCHEDULE**

TREES	BOTANICAL / COMMON NAME
CR2	Cercis reniformis / Oklahoma Red Bud
JA	Juniperus deppeana / Alligator Juniper
PE	Pinus eldarica / Afghan Pine
PC	Pistacia chinensis / Chinese Pistache
QF	Quercus fusiformis / Texas Live Oak
QS	Quercus shumardii / Shumard Red Oak
SD	Sapindus drummondii / Western Soapberry
UL	Ulmus parvifolia / Chinese Lacebark Elm
SHRUBS	BOTANICAL / COMMON NAME
AP	Arctostaphylos pungens / Point Leaf Manzanita
BS2	Baccharis sarothroides / Desertbroom
ET	Ericameria laricina / Turpentine Bush
GH	Genista hispanica / Spanish Broom
GRASSES	BOTANICAL / COMMON NAME
MR	Muhlenbergia rigens / Deer Grass
GROUND COVERS	BOTANICAL / COMMON NAME
	Rock Mulch / Santa Fe Brown Crusher Fine/Approved Equal 3" Depth Min.
	Rock Mulch / Amaretto Brown 1"-4" / Approved Equal 4" Depth Min.

2 PLANT LEGEND (SEE FULL SCHEDULE ON L2.00)  
NTS



BY: DANNY  
 C:\USERS\GFF\APPDATA\LOCAL\TEMP\TEMP1\_191313-000.LDSP - STANDARD.ZIP\191313-000.LDSP.DWG  
 PLOT DATE: 12/3/2020 10:23 AM

**brr**  
ARCHITECT OF RECORD

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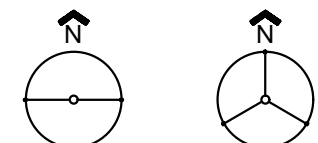
**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
CJF  
Checked By:  
GMP  
Drawn by:  
AJD  
Document date:  
04/17/2020  
Project No.  
30000481 MEC# 191313-000  
Professional Seal

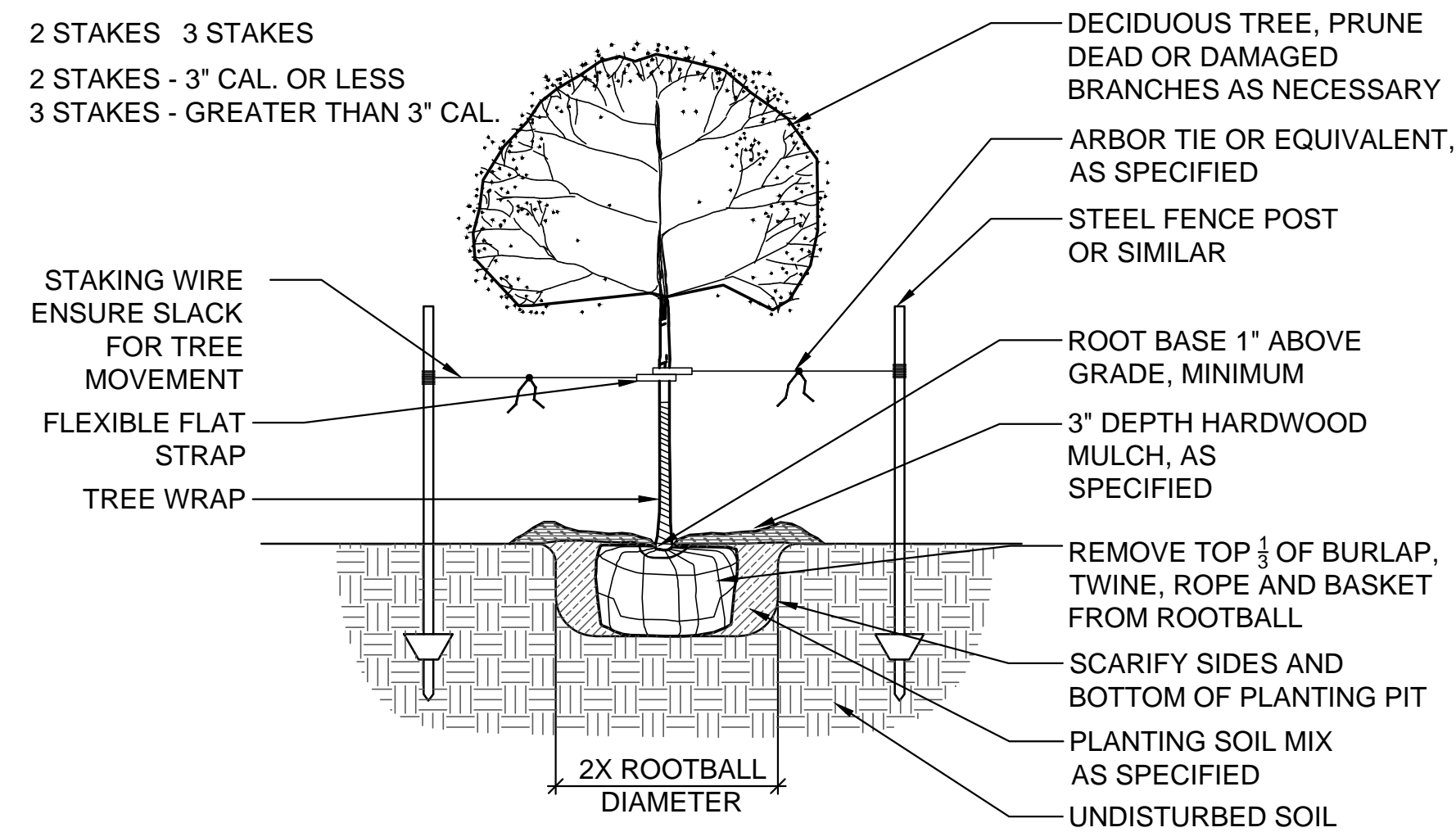
Landscape Architect  
STATE OF NEW MEXICO  
DANNY D. MITCHELL  
239  
REGISTERED  
LANDSCAPE ARCHITECT  
12/3/2020

Sheet Title  
**LANDSCAPE PLAN ENLARGEMENT - SOUTH**  
Sheet No.  
**L1.02**

STAKING ORIENTATION

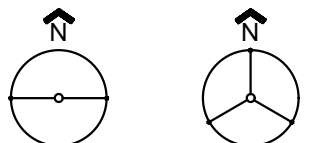


2 STAKES 3 STAKES  
2 STAKES - 3" CAL. OR LESS  
3 STAKES - GREATER THAN 3" CAL.

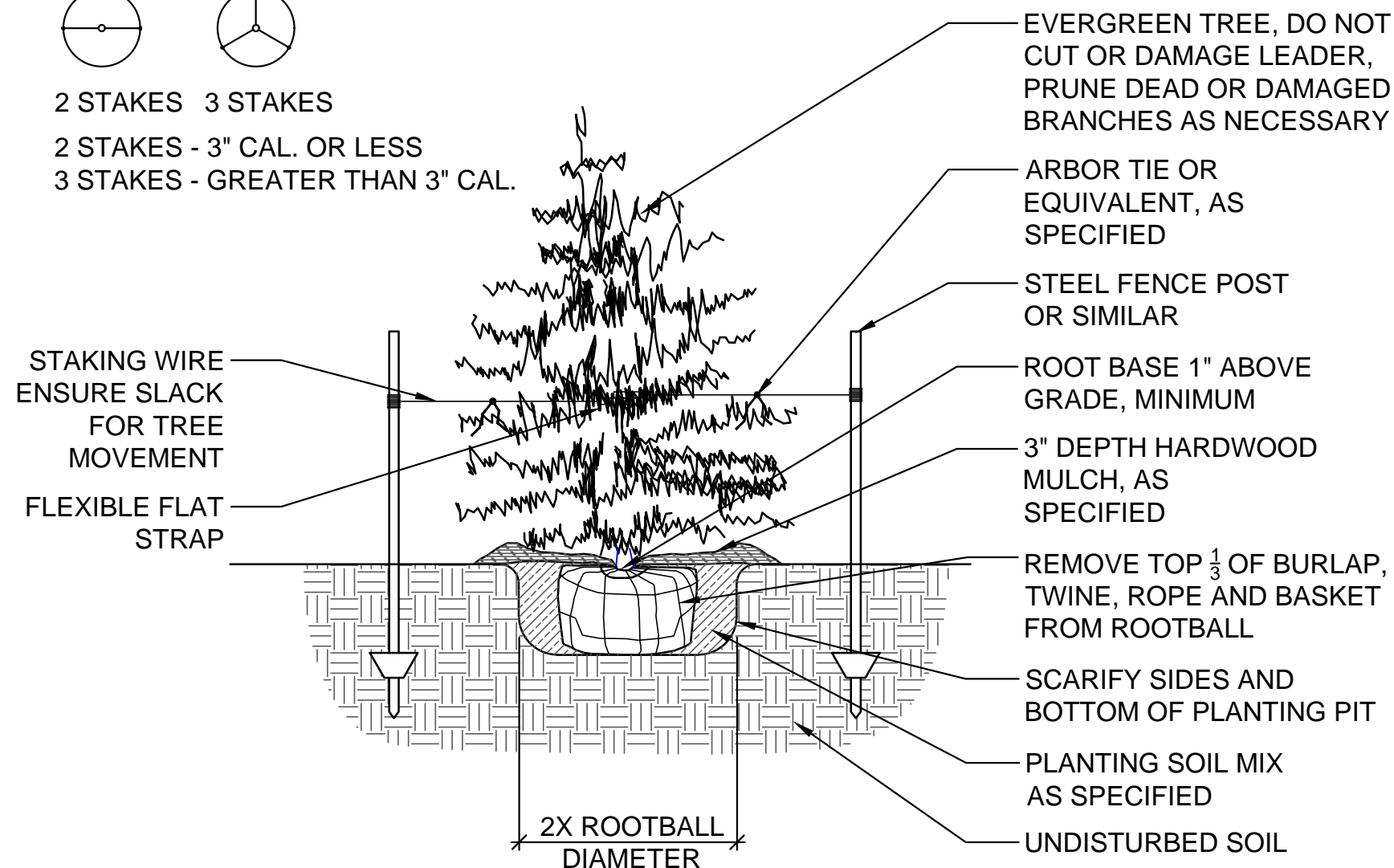


4 DECIDUOUS TREE PLANTING  
1/2" = 1'-0"

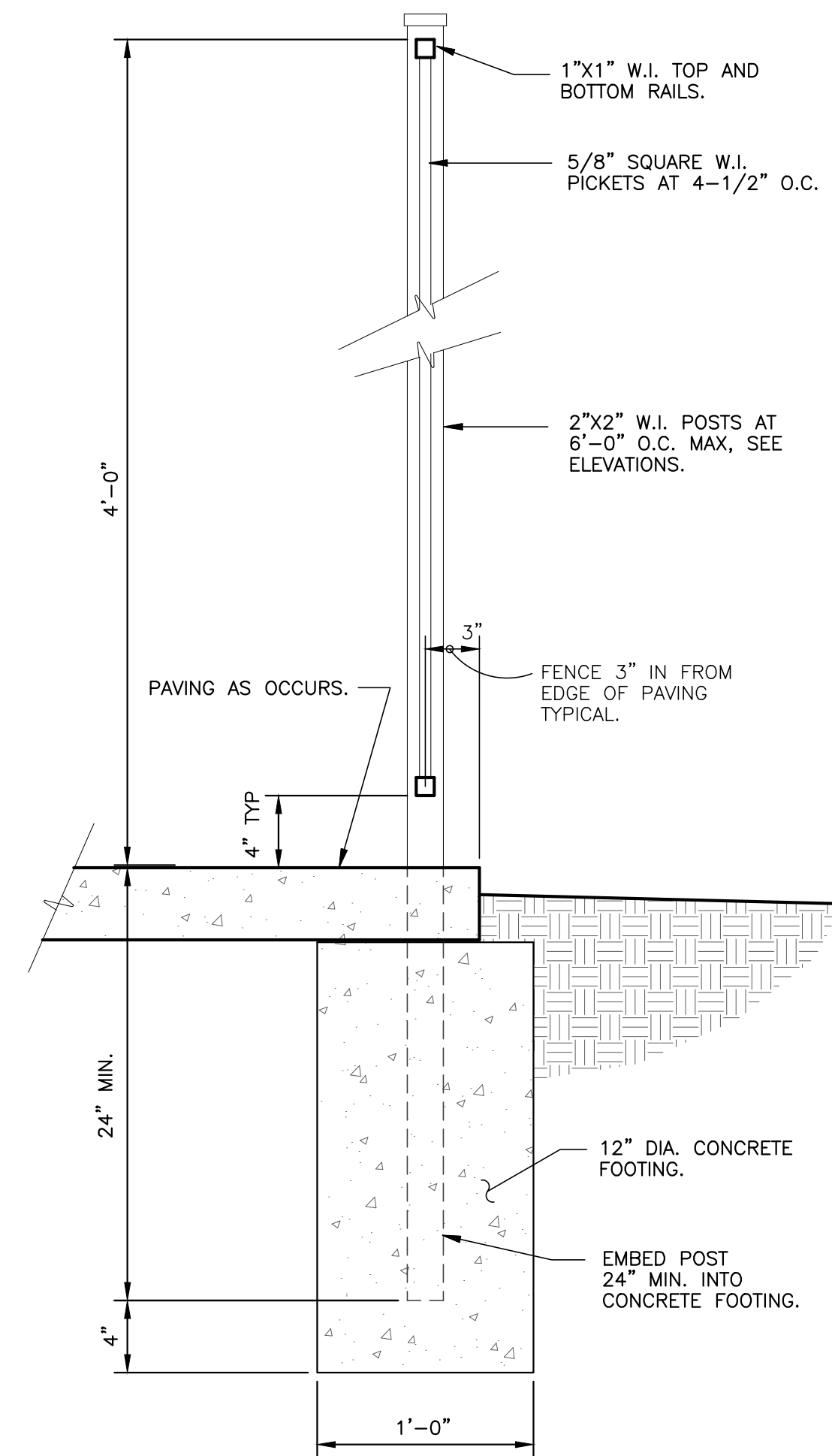
STAKING ORIENTATION



2 STAKES 3 STAKES  
2 STAKES - 3" CAL. OR LESS  
3 STAKES - GREATER THAN 3" CAL.



5 CONIFEROUS TREE PLANTING  
1/2" = 1'-0"



6 4FT WROUGHT IRON FENCE  
1/2" = 1'-0"

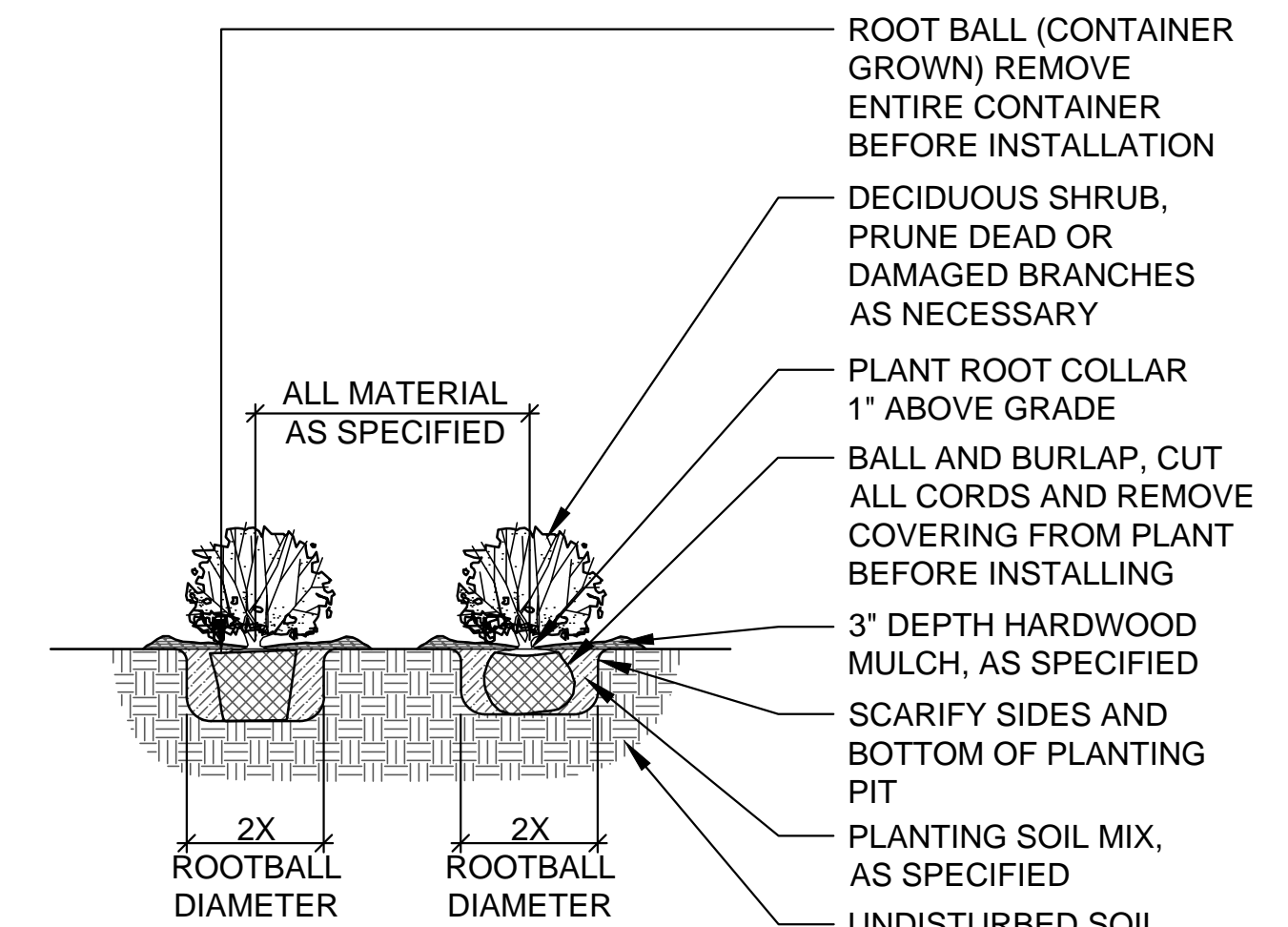
PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
	CR2	3	Cercis reniformis 'Oklahoma' / Oklahoma Red Bud	B & B	1.5" Cal	
	JA	6	Juniperus deppeana / Alligator Juniper	B & B		6' Ht
	PE	5	Pinus eldarica / Afghan Pine	B & B		6' Ht
	PC	23	Pistacia chinensis / Chinese Pistache	B & B	2" Cal	
	QF	16	Quercus fusiformis / Texas Live Oak	B & B		6' Ht
	QS	12	Quercus shumardii / Shumard Red Oak	B & B	2" Cal	
	SD	17	Sapindus drummondii / Western Soapberry	B & B	2" Cal	
	UL	8	Ulmus parvifolia / Chinese Lacebark Elm	B & B	2" Cal	
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT		
	AP	31	Arctostaphylos pungens / Point Leaf Manzanita	1 gal		
	BS2	33	Baccharis sarothroides / Desertbroom	1 gal		
	ET	11	Ericameria laricifolia / Turpentine Bush	1 gal		
	GH	86	Genista hispanica / Spanish Broom	1 gal		
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	CONT		
	MR	91	Muhlenbergia rigens / Deer Grass	1 gal		
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT		
	RS	38,333 sf	Rock Mulch / Santa Fe Brown Crusher Fine/Approved Equal 3" Depth Min.	SF		
	RA	10,126 sf	Rock Mulch / Amaretto Brown 1"-4" Approved Equal 4" Depth Min.	SF		

1 PLANT SCHEDULE  
NTS

2 GENERAL NOTES  
NTS

- LANDSCAPE PLAN NOTES:
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES, IRRIGATION PIPING AND DRAINAGE STRUCTURES BEFORE COMMENCING WORK. INFORMATION SHOWN ON PLAN IS FROM AVAILABLE INFORMATION AND ALL LOCATIONS SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO ANY OF THE PREVIOUSLY LISTED ITEMS.
  - CONTRACTOR SHALL VERIFY ALL PLANT MATERIAL QUANTITIES PRIOR TO PLANTING. ANY DISCREPANCIES WITH THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE PLAN QUANTITIES SHALL SUPERCEDE SCHEDULED QUANTITIES.
  - CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES SHOWN PRIOR TO PLANTING. QUANTITIES PROVIDED ARE FOR CONVENIENCE ONLY AND CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND INSTALLING THE QUANTITY OF PLANT MATERIALS SHOWN ON THE PLANS. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL TO BE SPACED AS SHOWN, UNLESS OTHERWISE NOTED.
  - LOCATION AND PLACEMENT OF ALL PLANT MATERIAL SHALL BE STAKED OR LAID OUT IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
  - NO SUBSTITUTION (INCL. CULTIVARS) SHALL BE ACCEPTED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
  - ALL PLANT MATERIAL SHALL BE OF EXCELLENT QUALITY, FREE OF DISEASE & INFESTATION TRUE TO TYPE, VARIETY, SIZE SPECIFIED, & FORM PER ANSA STANDARDS.
  - ALL TREES & MULCH BEDS (UNLESS ROCK MULCH) SHALL RECEIVE 3" MIN. OF SHREDDED DARK BROWN PREMIUM HARDWOOD MULCH, AS DETAILED. ADD PREEN OR SNAPSHOT TO BEDS BEFORE & AFTER MULCHING FROM MARCH 1 TO OCTOBER 1. IF WINTER INSTALLATION, RETURN NEXT SPRING & INSTALL PREEN/SNAPSHOT WITH NEW MULCH.
  - TREE TIES SHALL BE DEWITT 20' STRAPS FOR TREE STAKING. USE 10 GAUGE ELECTRIC WIRE. TREES AND STAKES SHALL BE STRAIGHT, PLUMB AND TIGHT. TREE STAKES TO BE REMOVED WINTER OF YEAR 2 AFTER INSTALLATION.
  - CONTRACTOR SHALL THOROUGHLY WATER IN EACH PLANT IMMEDIATELY FOLLOWING INSTALLATION AND CONTINUE WATERING UNTIL SUBSTANTIAL COMPLETION. CONTRACTOR REQUIRED TO COORDINATE WATERING WITH THE OWNER AFTER SUBSTANTIAL COMPLETION.
  - ALL AREAS OF THE SITE DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS BEDS / PAVEMENT AREAS SHALL BE SODDED WITH 90% TURF-TYPE TALL FESCUE AND 10% BLUEGRASS MIX SOD.
  - ALL LANDSCAPED AND TURF AREAS SHALL BE IRRIGATED WITH AN AUTOMATED SYSTEM. THE CONTRACTOR SHALL PROVIDE A DESIGN TO COVER THE NEW LANDSCAPE AREAS WITH HEAD TO HEAD COVERAGE. ONLY RAINBIRD OR HUNTER IRRIGATION PARTS & EQUIPMENT ARE TO BE USED. DRIP IS PERMITTED. THE DESIGN SHALL PROVIDE ALL PIPES, HEADS, VALVES, CONTROLLER, WIRE, AND SLEEVES. SLEEVES SHALL BE INSTALLED BY THE GENERAL CONTRACTOR AND COORDINATED WITH THE LANDSCAPE / IRRIGATION CONTRACTOR. 4" PVC SLEEVES RECOMMENDED. PLACE SLEEVES AND MARK CLEARLY ABOVE GROUND FOR EASE OF FINDING. COORDINATE BACKFLOW, TAP & METER WITH THE GENERAL CONTRACTOR (GC) AND THE GC'S LICENSED PLUMBER. THE IRRIGATION DESIGN / SUBMITTALS SHALL BE SUBMITTED TO THE OWNER AND THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING OR INSTALLING ANY MATERIALS FOR THE IRRIGATION SYSTEM. GC SHALL MAKE SURE THAT THE METER & BACKFLOW ARE COVERED IN THE BID, AS THE IRRIGATION CONTRACTOR IS LIKELY TO EXCLUDE THESE ITEMS FROM THE IRRIGATION BED. COORDINATE THESE ITEMS AND SLEEVES.
  - NO TREES SHALL BE PLANTED OVER TOP OF ANY UTILITY LINES OR PIPES. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO PLANTING AND ANY MODIFICATIONS TO TREE LOCATIONS SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT AND APPROVED BY THE CITY PRIOR TO PLANTING.
  - ALL PLANT MATERIALS AND IRRIGATION SYSTEM SHALL BE GUARANTEED FOR 1 YEAR FROM DATE OF SUBSTANTIAL COMPLETION, UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS. PLANT MATERIALS WILL BE ONE TIME REPLACEMENT AND RECORDS KEPT BY THE LANDSCAPE CONTRACTOR FOR ALL REPLACEMENTS.
  - CONTRACTOR SHALL REPORT SUBSURFACE SOIL OR DRAINAGE PROBLEMS TO THE LANDSCAPE ARCHITECT.
  - THIS LANDSCAPE PLAN IS DESIGNED TO BE IN CONFORMANCE WITH THE CITY OF ALBUQUERQUE, NEW MEXICO. THE LANDSCAPE ARCHITECT WILL COORDINATE CLOSELY WITH THE CITY OF ALBUQUERQUE, NEW MEXICO TO MAKE SURE FINAL DEVELOPMENT AND PERMIT PLANS ARE IN CONFORMANCE WITH THIS CODE.



3 SHRUB AND PERENNIAL PLANTING  
1/2" = 1'-0"



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Revisions

NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
CJF  
Checked By:  
GMP  
Drawn by:  
AJD  
Document date:  
04/17/2020  
Project No.  
3000481 MEC# 191313-000

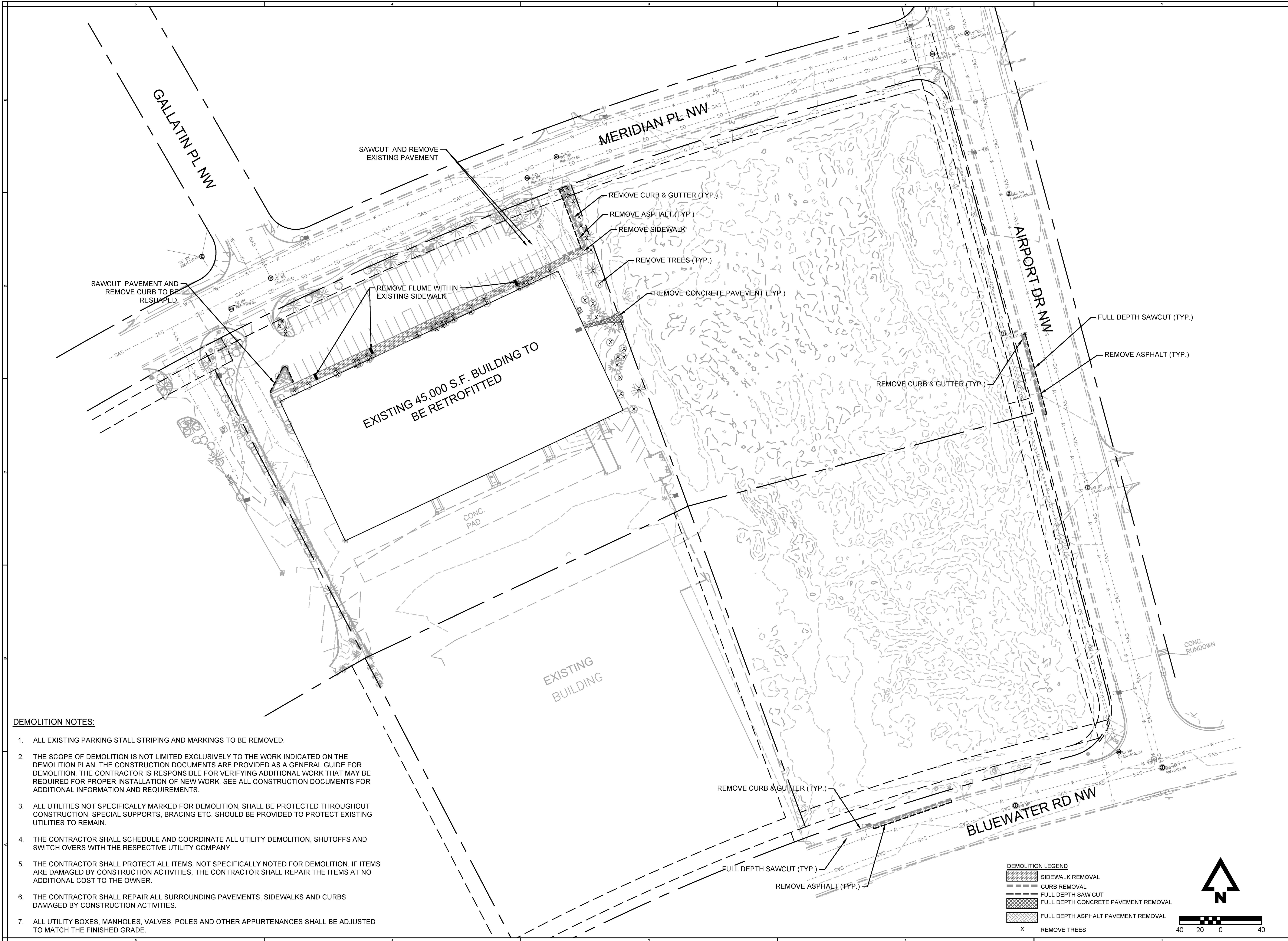


Sheet Title  
LANDSCAPE NOTES AND DETAILS

Sheet No.  
**L2.00**

PLOT DATE: 12/3/2020 10:21 AM  
C:\USERS\GFFAL\APPDATA\LOCAL\TEMP\TEMP\_191313-000\LDSP - STANDARD\_ZIP\191313-000 LDSP.DWG

BY: EMCQUEEN PLOT DATE: 1/20/2021 1:01 PM P:\191313-000\06-DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\191313-000 DEMO.DWG



**DEMOLITION NOTES:**

1. ALL EXISTING PARKING STALL STRIPING AND MARKINGS TO BE REMOVED.
2. THE SCOPE OF DEMOLITION IS NOT LIMITED EXCLUSIVELY TO THE WORK INDICATED ON THE DEMOLITION PLAN. THE CONSTRUCTION DOCUMENTS ARE PROVIDED AS A GENERAL GUIDE FOR DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ADDITIONAL WORK THAT MAY BE REQUIRED FOR PROPER INSTALLATION OF NEW WORK. SEE ALL CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. ALL UTILITIES NOT SPECIFICALLY MARKED FOR DEMOLITION, SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. SPECIAL SUPPORTS, BRACING ETC. SHOULD BE PROVIDED TO PROTECT EXISTING UTILITIES TO REMAIN.
4. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL UTILITY DEMOLITION, SHUTOFFS AND SWITCH OVERS WITH THE RESPECTIVE UTILITY COMPANY.
5. THE CONTRACTOR SHALL PROTECT ALL ITEMS, NOT SPECIFICALLY NOTED FOR DEMOLITION. IF ITEMS ARE DAMAGED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REPAIR THE ITEMS AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL REPAIR ALL SURROUNDING PAVEMENTS, SIDEWALKS AND CURBS DAMAGED BY CONSTRUCTION ACTIVITIES.
7. ALL UTILITY BOXES, MANHOLES, VALVES, POLES AND OTHER APPURTENANCES SHALL BE ADJUSTED TO MATCH THE FINISHED GRADE.



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**Revisions**

NO	DATE	DESCRIPTION
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6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 C/JF  
 Checked By:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 04/17/2020

Project No.  
 30000481 MEC# 191313-000

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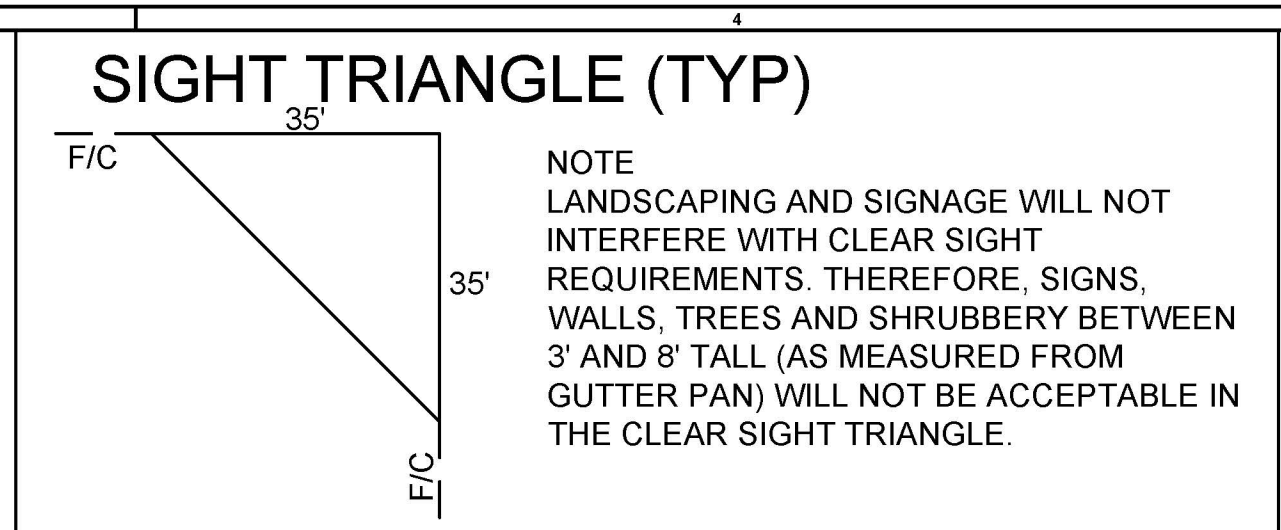
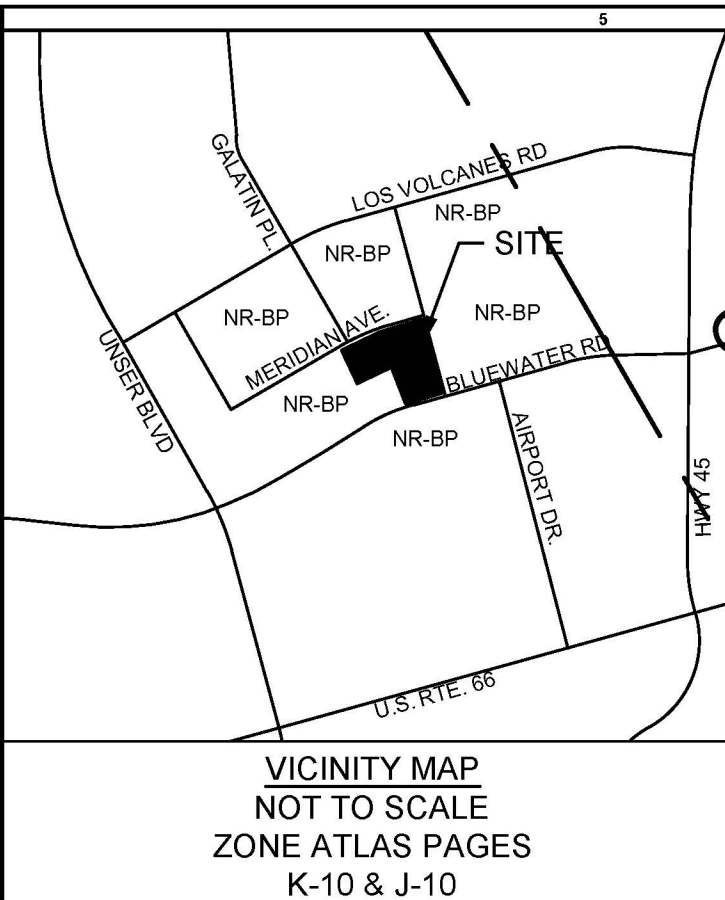


1-19-2021

Sheet Title  
 DEMOLITION PLAN

Sheet No.

**C0.02**



- NOTES:**
- ALL WORK SHALL BE PER THE CITY OF ALBUQUERQUE STANDARDS UNLESS NOTED OTHERWISE
  - ALL CAR STALLS ARE 9' WIDE BY 20' LONG UNLESS NOTED OTHERWISE
  - ALL VAN STALLS ARE 11' WIDE BY 27' LONG UNLESS NOTED OTHERWISE
  - PARKING LOT LIGHTING MAXIMUM HEIGHT = 30 FT.
  - CROSS LOT ACCESS / DRAINAGE EASEMENT FOR LOTS 13 & 14 RECORDED 10/06/2003 AS DOCUMENT # 2003184378 BK. A66 PG. 3998
  - CROSS LOT PARKING AGREEMENT (IN PROCESS)
  - PROJECT PHASING:
    - TENANT IMPROVEMENTS INSIDE BUILDING (BP-2020-15681)
    - IMPROVEMENTS EXTERIOR TO BUILDING

**PARKING DATA:**

SITE AREA: 8.34 ACRES  
 TOTAL BUILDING AREA: 45,000 SF  
 TOTAL DISTRIBUTION SPACE: 38,696 SF  
 TOTAL OFFICE SPACE: 6,304 SF

**PARKING:**

REQUIRED: (19.33)	19 SPACES
(DISTRIBUTION CENTER 1/2,000 SF)	
REQUIRED: (22.06)	22 SPACES
(OFFICE SPACE 3.5/1,000 SF)	
TOTAL REQUIRED:	41 SPACES
TOTAL PROVIDED:	169 STANDARD SPACES
	18 COMPACT SPACES
	180 VAN SPACES

**MOTORCYCLE PARKING:**

REQUIRED:	2 SPACES
PROVIDED:	4 SPACES

**ELECTRIC VEHICLE PARKING:**

REQUIRED: (7.34)	8 SPACES
(2% OF PROVIDED SPACES)	
PROVIDED:	8 SPACES

**BICYCLE PARKING:**

REQUIRED: (4.9)	5 SPACES
10% OF REQUIRED CAR SPACES	
PROVIDED:	6 SPACES

PARKING REQUIREMENTS PER SECTION 5-5 OF CITY OF ALBUQUERQUE IDO (REV MAY 2018)

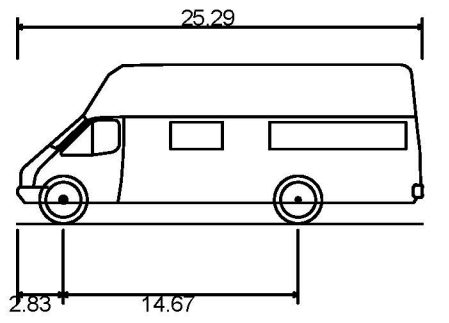
- KEYNOTES:**
- INSTALL SPEED BUMP W/STRIPING (SEE SHEET 6)
  - INSTALL REMOVABLE BOLLARDS (SEE DETAIL 2250)
  - INSTALL TRAFFIC CONTROL ARMS
  - INSTALL CANOPY SEE STRUCTURAL
  - INSTALL LOADING PLATFORM SEE ARCHITECTURAL
  - INSTALL "MEANDERING" 5' WIDE CONCRETE WALK (SEE DETAIL 2430)
  - INSTALL 5' WIDE CONCRETE WALK (SEE DETAIL 2430)
  - INSTALL 4" FENCE
  - INSTALL NEW CURB CUT AND ENTRANCE (SEE DETAIL 2426)
  - INSTALL PAINTED CROSSWALK
  - PROVIDE AND INSTALL 5' WIDE PAINTED WALKWAY
  - PAINT DELIVERY VAN QUEUING (TYP)
  - PAINT DELIVERY VAN LAUNCHPAD (TYP)
  - PAINT DOCK PARKING STRIPES (TYP)
  - PAINT MOTORCYCLE PARKING STRIPES (TYP)
  - PAINT EV PARKING STRIPES (TYP)
  - CONSTRUCT RETAINING WALL
  - PAINT STOP BAR
  - INSTALL STOP SIGN
  - INSTALL DO NOT ENTER SIGN
  - INSTALL BIKE RACK (SEE DETAIL SHEET 11)
  - 2" WIDE CURB CUT (SEE DETAIL SHEET 11)
  - CRENELLATED CURB
  - INSTALL 30" L.E.D. PARKING LIGHT
  - EXISTING 5' CONCRETE WALK (SEE DETAIL 2430)
  - INSTALL CURB RAMP (SEE DETAIL 2418)
  - INSTALL EV CHARGING STATION
  - INSTALL "SPEED BUMPS AHEAD" SIGN
  - INSTALL "MOTORCYCLE PARKING" SIGN
  - INSTALL "HUB CUSTOMER PARKING" SIGN
  - INSTALL "VISITOR" SIGN
  - INSTALL "NO TRUCK" SIGN
  - INSTALL "BUMP" AND "5 MPH" SIGNS
  - INSTALL STANDARD HEADER CURB
  - INSTALL CURB TRANSITION
  - INSTALL FLUSH CURB

- SITE DATA:**
- LEGAL DESCRIPTION**  
 ALL OF LOTS 11, 12 & 13 OF LOTS 11 THRU 23, MERIDIAN BUSINESS PARK, A SUBDIVISION IN ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO CONTAINING ± 363,308 SQ.FT. OR 8.34 ACRES
  - ZONING**  
 THE SUBJECT PROPERTY IS CURRENTLY ZONED NR-BP, NON RESIDENTIAL BUSINESS PARK ZONE DISTRICT. ADDRESS 7300 MERIDIAN PL.

**NOTE:** WORK IN THE RIGHT-OF-WAY IS NOTED, BUT DESIGN ELEMENTS FOR WORK IN THE RIGHT-OF-WAY WILL BE SHOWN VIA WORK ORDER.

**PAVING LEGEND**

[Symbol]	NEW CONCRETE SIDEWALK (SEE DETAIL SHEET C007)
[Symbol]	NEW STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C008)
[Symbol]	NEW HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C008)
[Symbol]	MILL & OVERLAY EXISTING ASPHALT PAVEMENT
[Symbol]	NEW CONCRETE PAVEMENT (SEE DETAIL SHEET C008)
[Symbol]	NEW HEADER CURB (SEE DETAIL 2415B)
[Symbol]	TRANSITION CURB (0'-6")
[Symbol]	FLUSH CURB (0") (SEE DETAIL 2415A)
[Symbol]	CRENELLATED CURB (SEE DETAIL SHEET C006)



Ford E450  
 Overall Length 25.290ft  
 Overall Width 9.750ft  
 Overall Body Height 9.941ft  
 Min Body Ground Clearance 1.312ft  
 Track Width 8.750ft  
 Lock-to-lock time 6.00s  
 Wall to Wall Turning Radius 34.300ft

THE ABOVE VEHICLE WILL BE THE LARGEST VEHICLE TO ENTER AND EXIT THE SITE THROUGH THE BLUEWATER DR. ENTRANCE.  
 THE AIRPORT DR. ENTRANCE HAS BEEN DESIGNED TO ALLOW A FIRE TRUCK TO ENTER PER THE FIRE 1 PLAN.  
 THE EXISTING WESTERN ENTRANCE ON MERIDIAN PLACE IS DESIGNED FOR WB-67 ACCESS AND SHALL RETAIN THIS TRAFFIC SIZE.

PROJECT NO. \_\_\_\_\_  
 APPLICATION NO. \_\_\_\_\_

THIS PLAN IS CONSISTENT WITH THE SPECIFIC SITE DEVELOPMENT PLAN APPROVED BY THE EPC, DATED \_\_\_\_\_ AND THE FINDINGS AND CONDITIONS IN THE OFFICIAL NOTIFICATION OF DECISION ARE SATISFIED.

IS AN INFRASTRUCTURE LIST REQUIRED ( ) YES ( ) NO  
 IF YES THEN A SET OF APPROVED DRG PLANS WITH A WORK ORDER IS REQUIRED FOR ANY CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY OR FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS.

DRB SITE DEVELOPMENT PLAN FOR BUILDING PERMIT:

TRAFFIC ENGINEER, TRANSPORTATION DIVISION	DATE
ABCWUA	DATE
PARKS AND RECREATION DEPARTMENT	DATE
CITY ENGINEER/HYDROLOGY	DATE
CODE ENFORCEMENT	DATE
ENVIRONMENTAL HEALTH DEPARTMENT (CONDITIONAL)	DATE
SOLID WASTE	DATE
DRB CHAIRPERSON, ALBUQUERQUE PLANNING DEPARTMENT	DATE
ENVIRONMENTAL HEALTH, IF NECESSARY	DATE

**brr**  
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**Revisions**

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6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 C.J.F.  
 Checked By:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 09/28/2020

Project No.  
 30000481 MEC# 191313-000

Professional Seal

CALEB J. FLAKE  
 REGISTERED PROFESSIONAL ENGINEER  
 24114  
 NEW MEXICO

1-19-2021

Sheet Title  
 DIMENSION PLAN

Sheet No.  
**C1.02**

**CITY OF ALBUQUERQUE EROSION CONTROL PLAN  
STANDARD NOTES (2020-07-16)**

- ALL EROSION AND SEDIMENT CONTROL (ESC) WORK ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON SHALL BE PERMITTED, CONSTRUCTED, INSPECTED, AND MAINTAINED IN ACCORDANCE WITH:
  - THE CITY ORDINANCE § 14-5-2-11, THE ESC ORDINANCE,
  - THE EPA'S 2017 CONSTRUCTION GENERAL PERMIT (CGP), AND
  - THE CITY OF ALBUQUERQUE CONSTRUCTION BMP MANUAL.
- ALL BMP'S MUST BE INSTALLED PRIOR TO BEGINNING ANY EARTH MOVING ACTIVITIES EXCEPT AS SPECIFIED HEREON IN THE PHASING PLAN. CONSTRUCTION OF EARTHEN BASINS, SUCH AS SEDIMENT TRAPS, SEDIMENT BARRIERS, AND DIVERSION BERMS SHALL BE COMPLETED AND INSPECTED PRIOR TO ANY OTHER CONSTRUCTION OR EARTHWORK. SELF-INSPECTION IS REQUIRED AFTER INSTALLATION OF THE BMP'S AND PRIOR TO BEGINNING CONSTRUCTION.
- SELF-INSPECTIONS - AT A MINIMUM A ROUTINE COMPLIANCE SELF-INSPECTION IS REQUIRED TO REVIEW THE PROJECT FOR COMPLIANCE WITH THE CONSTRUCTION GENERAL PERMIT ONCE EVERY 14 DAYS AND AFTER ANY PRECIPITATION EVENT OF 1/4 INCH OR GREATER. UNTIL THE SITE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE DETERMINED AS STABILIZED BY THE CITY, REPORTS OF THESE INSPECTIONS SHALL BE KEPT BY THE PERSON OR ENTITY AUTHORIZED TO DIRECT THE CONSTRUCTION ACTIVITIES ON THE SITE.
- BMP'S SHALL BE INSPECTED AND MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED IN ACCORDANCE WITH THE FINAL STABILIZATION CRITERIA (CGP 2.2.14.B). GENERALLY, ALL DISTURBED AREAS, OTHER THAN STRUCTURES, MUST HAVE UNIFORM PERENNIAL VEGETATION THAT PROVIDES 70 PERCENT OR MORE OF THE COVER PROVIDED BY NATIVE VEGETATION OR SEED THE DISTURBED AREA AND PROVIDE NON-VEGETATIVE MULCH THAT PROVIDES COVER FOR AT LEAST THREE YEARS WITHOUT ACTIVE MAINTENANCE. FINAL STABILIZATION MUST BE DOCUMENTED ON SELF-INSPECTION REPORTS AND APPROVED BY THE CITY OF ALBUQUERQUE PRIOR TO REMOVAL OF BMP'S AND DISCONTINUATION OF INSPECTIONS.

- CONSTRUCTION SEQUENCE**
1. INSTALL PERIMETER SILT FENCE
  2. INSTALL SEDIMENTATION BASIN
  3. INSTALL INLET PROTECTION ALONG ADJACENT STREET ROW
  4. GRADING
  5. STORM SEWER CONSTRUCTION
  6. INSTALL INLET PROTECTION WITHIN THE SITE
  7. PARKING LOT CONSTRUCTION
  8. LANDSCAPING
  9. REMOVAL OF EROSION CONTROL DEVICES

TOTAL DISTURBED AREA = 5.82 ACRES  
(INCLUDES WORK IN R.O.W)

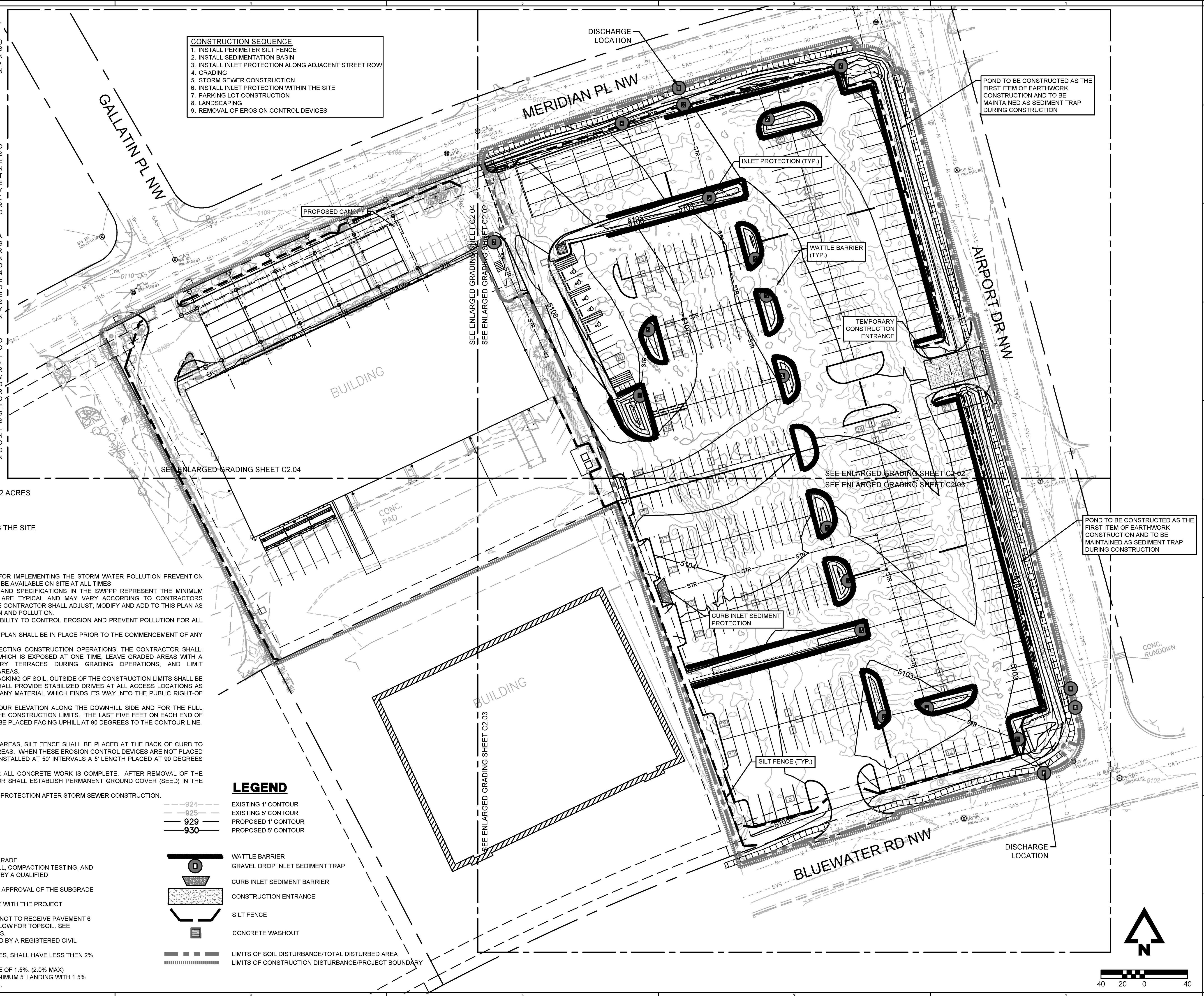
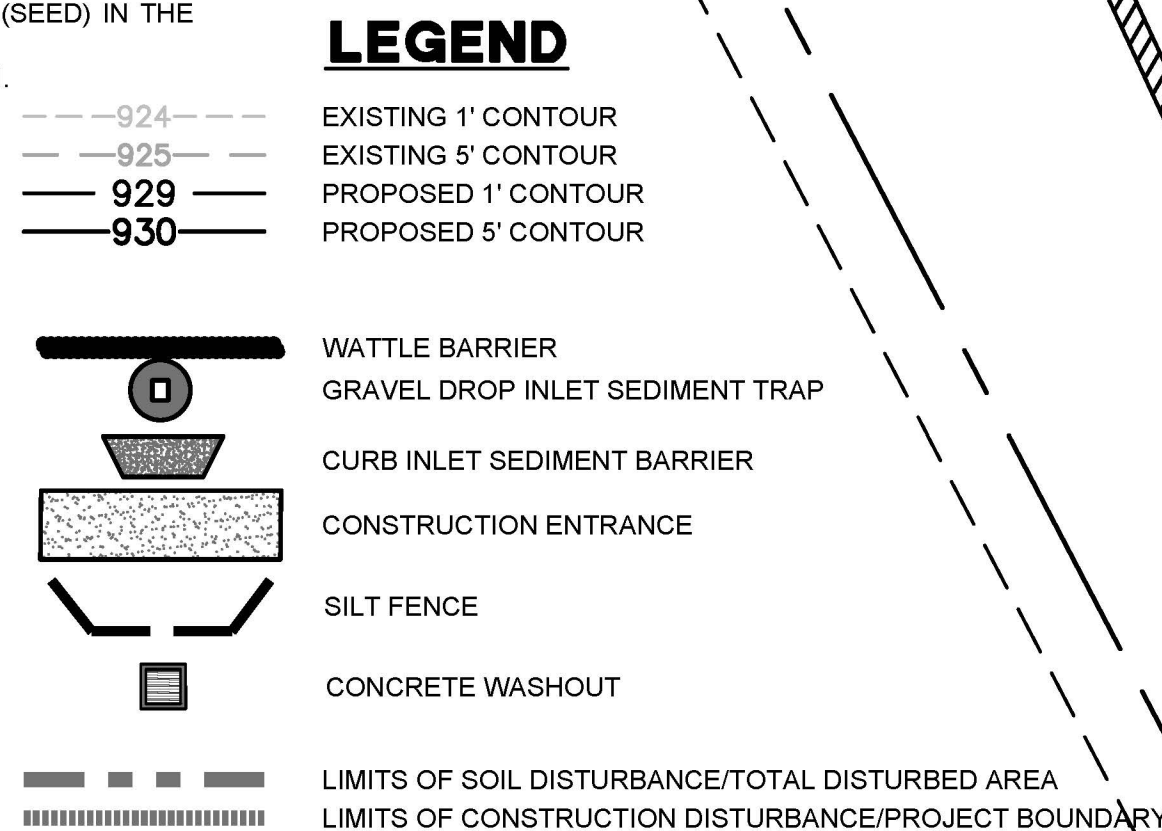
NOTE:  
NO OFF-SITE RUNOFF ENTERS THE SITE

**EROSION CONTROL NOTES:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). A COPY OF THE SWPPP SHALL BE AVAILABLE ON SITE AT ALL TIMES.
- THE EROSION CONTROL FEATURES, NOTES AND SPECIFICATIONS IN THE SWPPP REPRESENT THE MINIMUM REQUIREMENTS ACCEPTABLE. LOCATIONS ARE TYPICAL AND MAY VARY ACCORDING TO CONTRACTORS STAGING AND LIMITS OF CONSTRUCTION. THE CONTRACTOR SHALL ADJUST, MODIFY AND ADD TO THIS PLAN AS NECESSARY TO CONTROL EROSION, SILTATION AND POLLUTION.
- IT SHALL BE EACH CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION AND PREVENT POLLUTION FOR ALL WORK WHICH THEY ARE DIRECTLY INVOLVED.
- EROSION CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION OR GRADING WORK.
- WHEN POSSIBLE, WITHOUT ADVERSELY AFFECTING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF SURFACE AREA WHICH IS EXPOSED AT ONE TIME, LEAVE GRADED AREAS WITH A ROUGH TEXTURE, CONSTRUCT TEMPORARY TERRACES DURING GRADING OPERATIONS, AND LIMIT UNNECESSARY VEHICLE TRAFFIC IN GRADED AREAS.
- THE SPILLAGE OF DEBRIS, INCLUDING THE TRACKING OF SOIL, OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE AVOIDED. THEREFORE THE CONTRACTOR SHALL PROVIDE STABILIZED DRIVES AT ALL ACCESS LOCATIONS AS NECESSARY AND SHALL REMOVE PROMPTLY ANY MATERIAL WHICH FINDS ITS WAY INTO THE PUBLIC RIGHT-OF-WAY.
- SILT FENCES SHALL BE PLACED ON A CONTOUR ELEVATION ALONG THE DOWNHILL SIDE AND FOR THE FULL EXTENT OF THE DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS. THE LAST FIVE FEET ON EACH END OF RUN OF SILT FENCE/STRAW BALE DIKE SHALL BE PLACED FACING UPHILL AT 90 DEGREES TO THE CONTOUR LINE.
- NOT USED.
- NOT USED.
- WHERE GRADED AREAS DRAIN ONTO PAVED AREAS, SILT FENCE SHALL BE PLACED AT THE BACK OF CURB TO PREVENT SILT FROM ENTERING THE PAVED AREAS. WHEN THESE EROSION CONTROL DEVICES ARE NOT PLACED ON THE CONTOUR, THEN THEY SHALL HAVE INSTALLED AT 50' INTERVALS A 5' LENGTH PLACED AT 90 DEGREES TO THE MAIN LENGTH.
- REMOVE CONCRETE WASH OUT AREA AFTER ALL CONCRETE WORK IS COMPLETE. AFTER REMOVAL OF THE CONCRETE WASHOUT AREA THE CONTRACTOR SHALL ESTABLISH PERMANENT GROUND COVER (SEED) IN THE AREA WHERE THE WASH OUT WAS LOCATED.
- ALL STORM SEWER INLETS SHALL HAVE INLET PROTECTION AFTER STORM SEWER CONSTRUCTION.

**SITE GRADING GENERAL NOTES**

- ALL ELEVATIONS SHOWN ARE TO FINISHED GRADE.
- ALL GRADING OPERATIONS, EXCAVATION, FILL, COMPACTION TESTING, AND BACKFILL SHALL BE OBSERVED AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER.
- NO PAVEMENTS SHALL BE PLACED PRIOR TO APPROVAL OF THE SUBGRADE BY THE GEOTECHNICAL ENGINEER.
- ALL FILL MATERIAL SHALL BE IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL LEAVE ALL AREAS NOT TO RECEIVE PAVEMENT 6 INCHES BELOW THE FINISHED GRADE, TO ALLOW FOR TOPSOIL. SEE LANDSCAPE FOR ADDITIONAL REQUIREMENTS.
- ALL GRADING OPERATIONS SHALL BE STAKED BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR.
- ALL ADA PARKING STALLS AND ACCESS AISLES, SHALL HAVE LESS THEN 2% IN ANY DIRECTION.
- ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5% (2.0% MAX)
- ALL BUILDING ENTRANCES SHALL HAVE A MINIMUM 5' LANDING WITH 1.5% SLOPE AWAY FROM THE BUILDING (2% MAX).



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**Revisions**

NO	DATE	DESCRIPTION
5	12/9/2020	BUILDING EXT & SITE

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
CJF  
Checked By:  
MVE  
Drawn by:  
ELM  
Document date:  
04/17/2020

Project No.  
30000481 MEC# 191313-000

Professional Seal



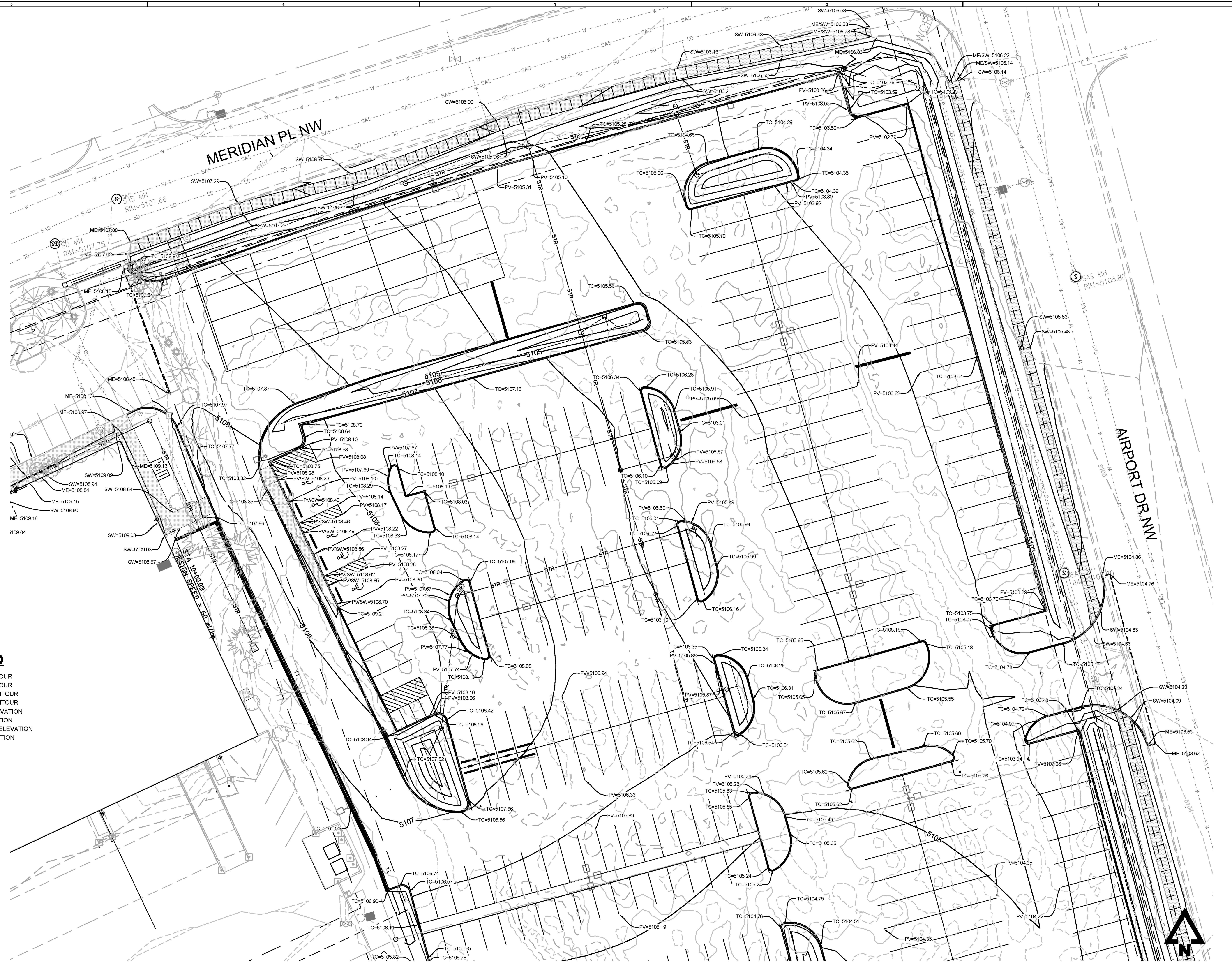
Sheet Title  
GRADING & EROSION CONTROL PLAN

Sheet No.

**C2.01**

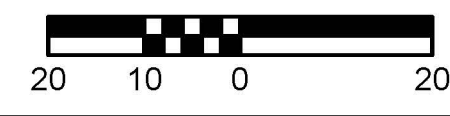


BY: EMCQUEEN PLOT DATE: 1/20/2021 1:05 PM  
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**LEGEND**

924	EXISTING 1' CONTOUR
925	EXISTING 5' CONTOUR
929	PROPOSED 1' CONTOUR
930	PROPOSED 5' CONTOUR
TC	TOP OF CURB ELEVATION
SW	SIDEWALK ELEVATION
ME	MATCH EXISTING ELEVATION
PV	PAVEMENT ELEVATION



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Revisions

NO	DATE	DESCRIPTION
5	12/30/20	BUILDING EXT. & SITE
6	1/19/21	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 CJF  
 Checked by:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 04/17/2020

Project No.  
 30000481 MEC# 191313-000

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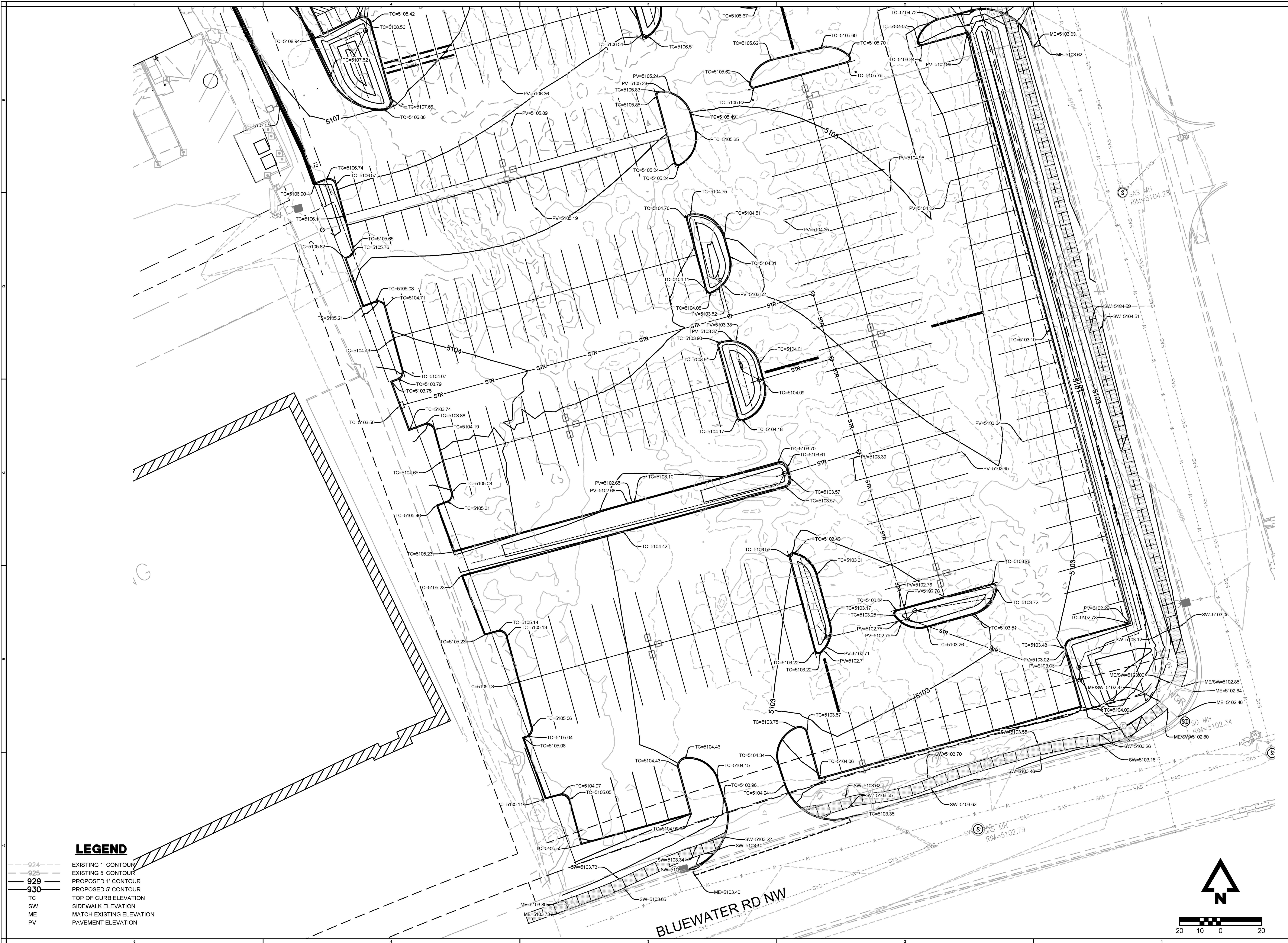
1-19-2021

Sheet Title  
 ENLARGED GRADING PLAN 1

Sheet No.

**C2.02**

BY: EMCQUEEN PLOT DATE: 1/20/2021 1:05 PM  
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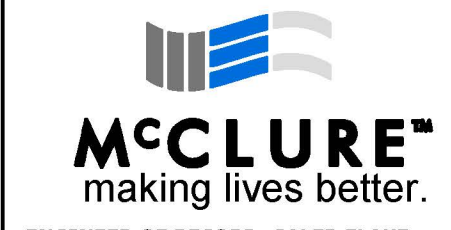


**LEGEND**

- 924- - - - EXISTING 1' CONTOUR
- 925- - - - EXISTING 5' CONTOUR
- 929- - - - PROPOSED 1' CONTOUR
- 930- - - - PROPOSED 5' CONTOUR
- TC TOP OF CURB ELEVATION
- SW SIDEWALK ELEVATION
- ME MATCH EXISTING ELEVATION
- PV PAVEMENT ELEVATION



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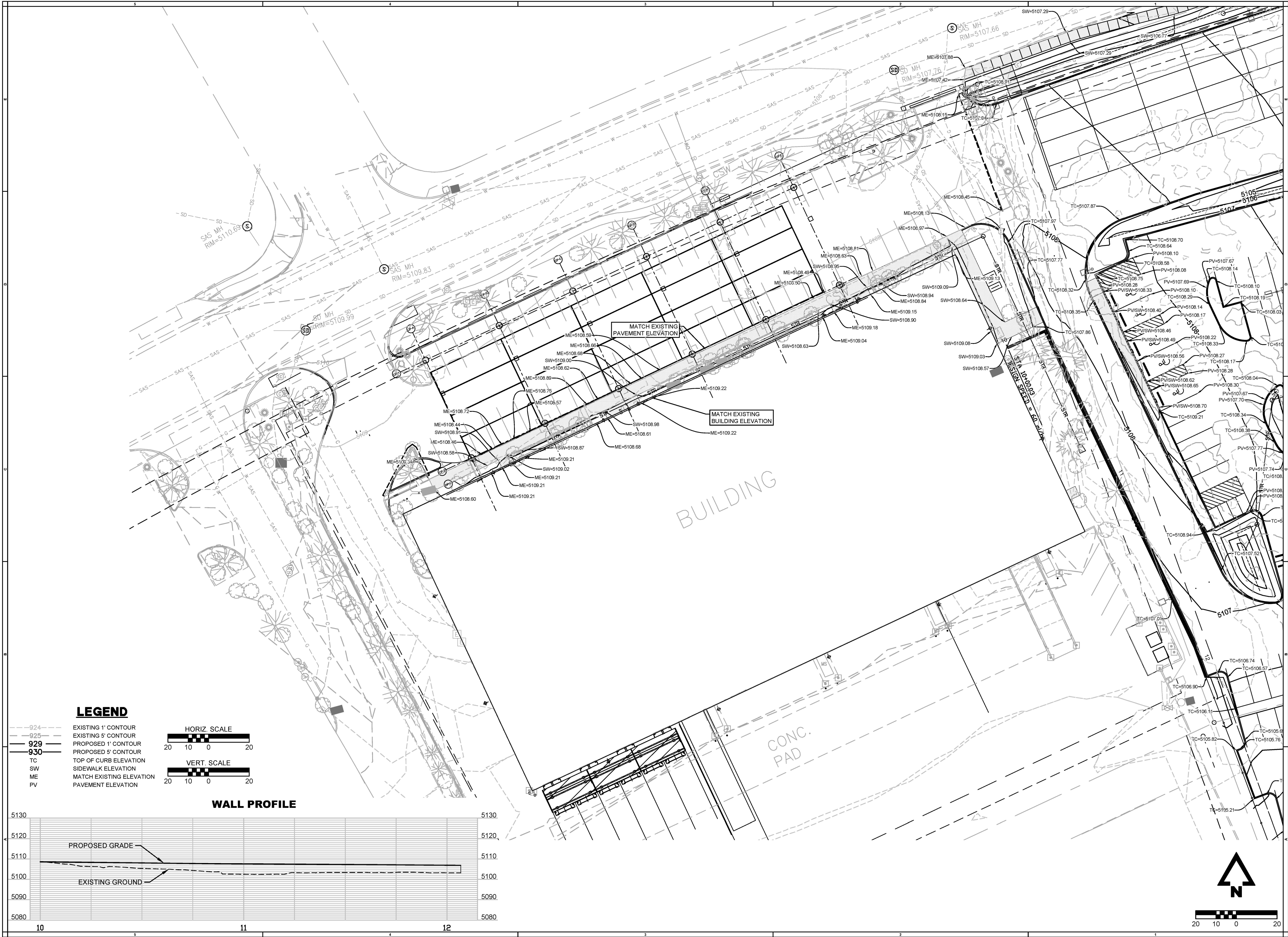
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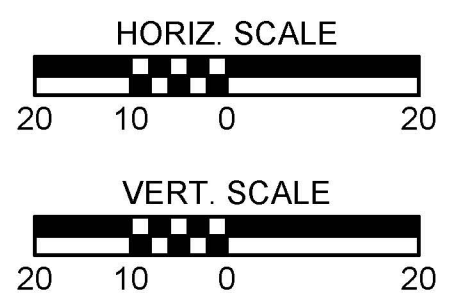
Sheet Title  
 ENLARGED GRADING PLAN 2

Sheet No.  
**C2.03**

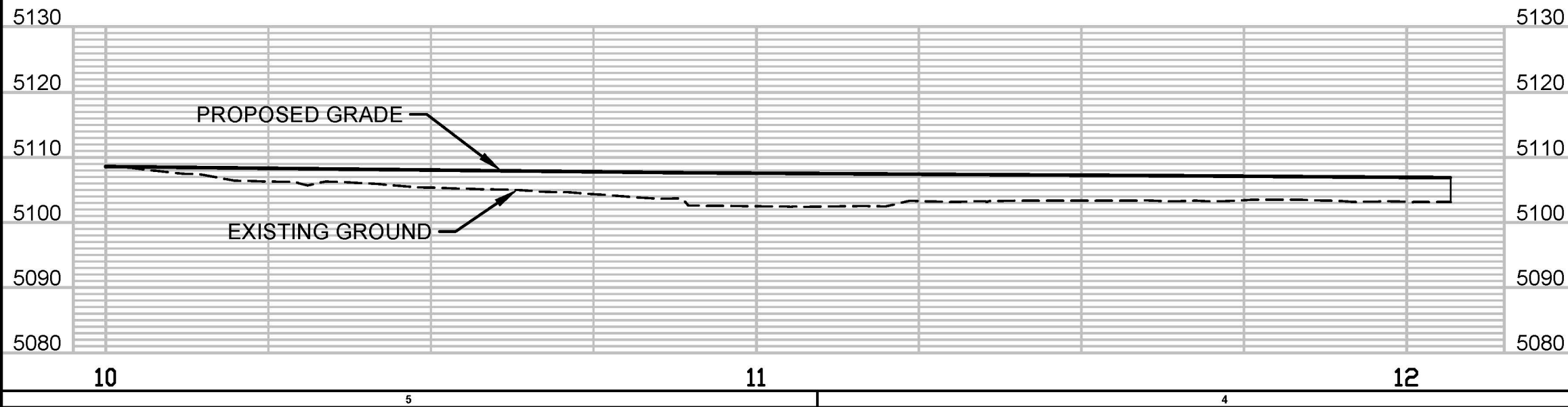
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- LEGEND**
- 924- EXISTING 1' CONTOUR
  - 925- EXISTING 5' CONTOUR
  - 929- PROPOSED 1' CONTOUR
  - 930- PROPOSED 5' CONTOUR
  - TC TOP OF CURB ELEVATION
  - SW SIDEWALK ELEVATION
  - ME MATCH EXISTING ELEVATION
  - PV PAVEMENT ELEVATION



**WALL PROFILE**



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WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 CJF  
 Checked By:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 04/17/2020

Project No.  
 30000481 MEC# 191313-000

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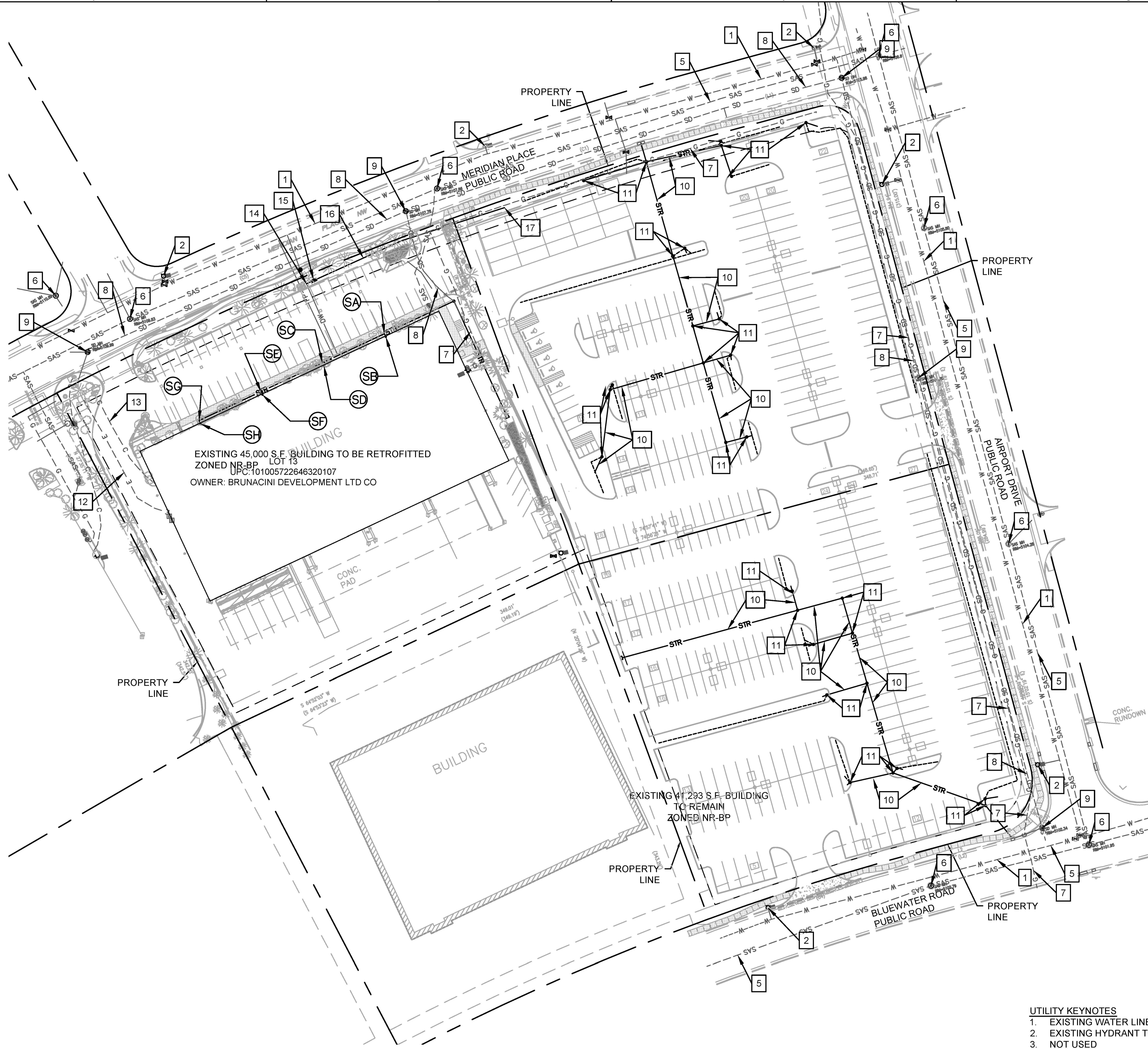


1-19-2021

Sheet Title  
 ENLARGED GRADING PLAN 3

Sheet No.

**C2.04**



EXISTING 45,000 S.F. BUILDING TO BE RETROFITTED  
 ZONED NR-BP  
 UPC: 101005722646320107  
 OWNER: BRUNACINI DEVELOPMENT LTD CO

EXISTING 41,293 S.F. BUILDING TO REMAIN  
 ZONED NR-BP

NODE	PIPE DIA. OUT	FLOWLINE	TOP OF PIPE	FINISH GRADE	COVER
SA	12" HDPE	5104.50	5105.50	5109.01	3.51
SB	2-4" HDPE	5104.52	5105.52	5109.16	3.64
SC	12" HDPE	5105.00	5106.00	5108.90	2.90
SD	2-4" HDPE	5105.20	5106.02	5109.13	3.11
SE	12" HDPE	5105.50	5106.50	5109.08	2.58
SF	2-4" HDPE	5105.52	5106.52	5108.91	2.39
SG	12" HDPE	5106.00	5107.00	5109.03	2.03
SH	2-4" HDPE	5106.02	5107.02	5109.21	2.16

NOTE:  
 ADD TEES AND BENDS AS NECESSARY

**UTILITY GENERAL NOTES**

- PRIOR TO BEGINNING CONSTRUCTION, LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTACTING THE PROPER UTILITY COMPANY PROVIDING SERVICE, BY CONTACTING THE LOCAL ONE-CALL SERVICE OR BY CALLING 811.
- UTILITY CONTRACTOR SHALL PROVIDE 2'x 2'x 8" THICK CONCRETE APRON AT ALL CLEANOUTS OUTSIDE OF BUILDING.
- UTILITY CONTRACTOR WILL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED, AS WELL AS COST OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.
- ELECTRICAL SERVICE FROM PAD MOUNTED TRANSFORMER TO THE BUILDING SHALL BE RUN UNDERGROUND. ASSOCIATED COST BY UTILITY CONTRACTOR. ALL SITE ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF ELECTRICAL COMPANY'S STANDARDS.
- DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
- ALL WATER AND SANITARY SEWER LEADS TO BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS.
- ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS AND THE SPECIFICATIONS.
- UTILITY CONTRACTOR SHALL HAVE APPROVAL OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER UTILITIES SHOWN HEREON PRIOR TO INSTALLATION.
- ALL WORK SHOWN ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS.
- REFER TO PLUMBING SHEETS FOR LOCATION OF SEWER AND DOMESTIC WATER CONNECTIONS.
- CONNECTION TO THE GAS MAIN AND INSTALLATION OF THE GAS METER SHALL BE DONE BY THE GAS SERVICE PROVIDER. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION.
- CONNECTION TO THE EXISTING WATER MAIN SHALL BE DONE BY THE CITY WATER DEPARTMENT. CONTRACTOR SHALL CONTACT THE CITY TO COORDINATE AND SCHEDULE THE CONNECTIONS.

**UTILITY KEYNOTES**

- EXISTING WATER LINE TO REMAIN
- EXISTING HYDRANT TO REMAIN
- NOT USED
- NOT USED
- EXISTING SANITARY LINE TO REMAIN
- EXISTING SANITARY MANHOLE TO REMAIN
- EXISTING GAS LINE TO REMAIN
- EXISTING STORM LINE TO REMAIN
- EXISTING STORM STRUCTURE TO REMAIN
- PROPOSED STORM LINE
- PROPOSED STORM STRUCTURE
- EXISTING ELECTRICAL LINE TO REMAIN
- EXISTING COMMUNICATION LINE TO REMAIN
- CONNECT NEW IRRIGATION LINE TO EXISTING IRRIGATION LINE SOUTH OF WATER METER.
- INSTALL BACK FLOW PREVENTER
- INSTALL NEW IRRIGATION LINE.
- INSTALL TEMPORARY CAP. (IRRIGATION CONTRACTOR TO DESIGN AND INSTALL IRRIGATION BY SEPARATE PLANS.)

THERE ARE NO PROPOSED PUBLIC WATER OR SANITARY SEWER UTILITIES IN THE SCOPE OF THIS WORK. ALL PROPOSED UTILITIES ARE PRIVATE.

**LEGEND**

- W — APPROX. LOCATION EXISTING WATER MAIN
- FP — APPROX. LOCATION EXISTING FIRE PROTECTION LINE
- DW — APPROX. LOCATION EXISTING DOMESTIC WATER LINE
- SD -SD- APPROX. LOCATION EXISTING STORM SEWER
- SAS -SAS- APPROX. LOCATION EXISTING SANITARY SEWER
- C -C- APPROX. LOCATION EXISTING TELEPHONE LINE
- E -E- APPROX. LOCATION EXISTING ELECTRIC LINE
- G -G- APPROX. LOCATION EXISTING GAS LINE
- STR — PROPOSED STORM SEWER

BY: ADEGONIA PLOT DATE: 1/20/2021 1:07 PM P:\19131-000\06-DRAWINGS\CIVIL\SITE PLAN SHEETS\19131-000 UTIL.DWG



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 1700 SWIFT STREET SUITE 100 NORTH KANSAS CITY, MO 64116  
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NO.	DATE	DESCRIPTION
5	12/30/20	BUILDING EXT. & SITE
6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 C.J.F.  
 Checked By:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 04/17/2020

Project No.  
 30000481 MEC# 191313-000

Professional Seal

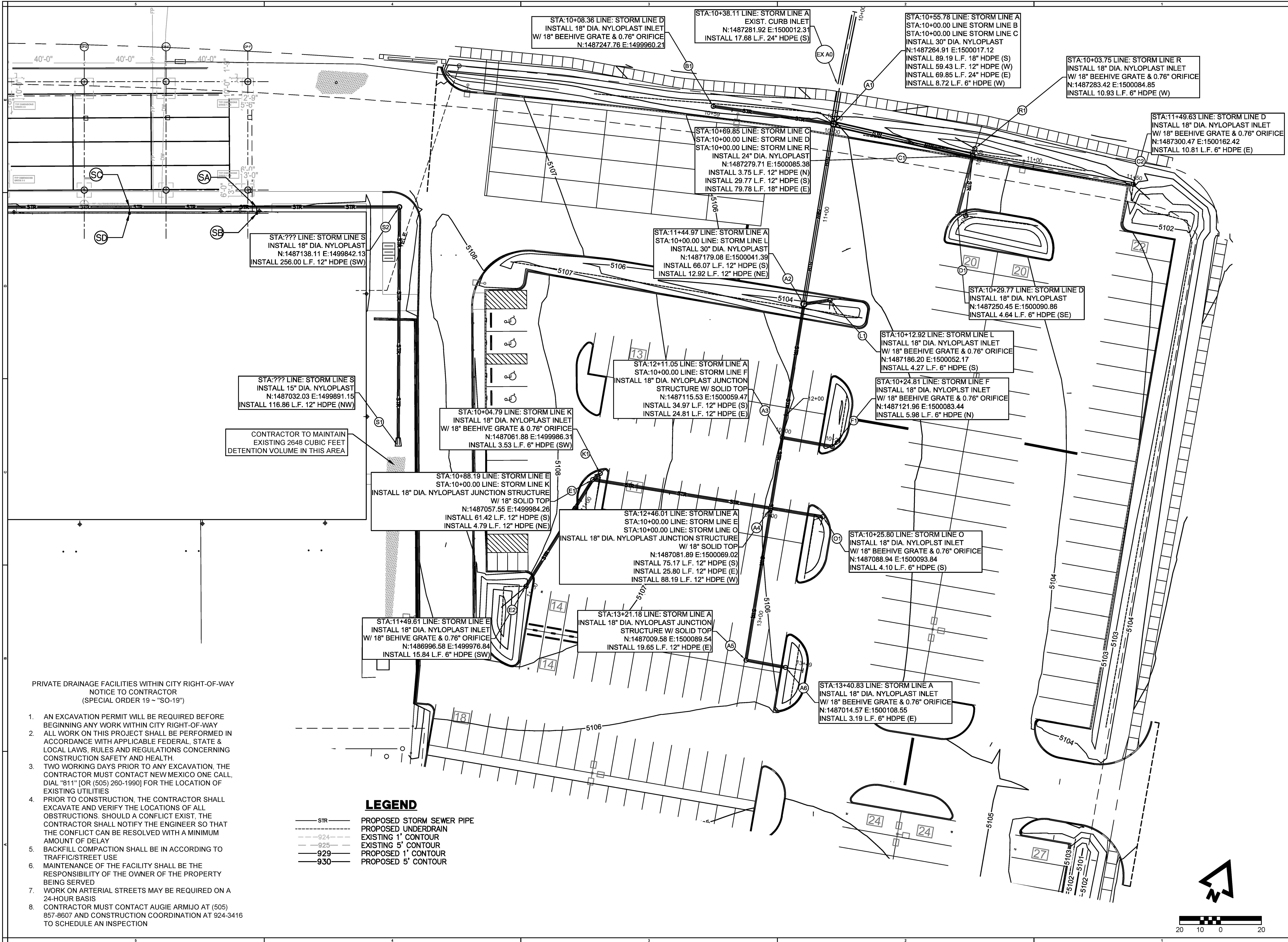


1-19-2021

Sheet Title  
 UTILITY PLAN OVERALL

Sheet No.  
**C3.00**

BY: ADEGONIA PLOT DATE: 1/20/2021 1:08 PM  
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STA:??? LINE: STORM LINE S  
 INSTALL 18" DIA. NYLOPLAST  
 N:1487138.11 E:1499842.13  
 INSTALL 256.00 L.F. 12" HDPE (SW)

STA:??? LINE: STORM LINE S  
 INSTALL 15" DIA. NYLOPLAST  
 N:1487032.03 E:1499891.15  
 INSTALL 116.86 L.F. 12" HDPE (NW)

CONTRACTOR TO MAINTAIN  
 EXISTING 2648 CUBIC FEET  
 DETENTION VOLUME IN THIS AREA

STA:10+04.79 LINE: STORM LINE K  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487061.88 E:1499986.31  
 INSTALL 3.53 L.F. 6" HDPE (SW)

STA:10+88.19 LINE: STORM LINE E  
 STA:10+00.00 LINE: STORM LINE K  
 INSTALL 18" DIA. NYLOPLAST JUNCTION STRUCTURE  
 W/ 18" SOLID TOP  
 N:1487057.55 E:1499984.26  
 INSTALL 61.42 L.F. 12" HDPE (S)  
 INSTALL 4.79 L.F. 12" HDPE (NE)

STA:12+46.01 LINE: STORM LINE A  
 STA:10+00.00 LINE: STORM LINE E  
 STA:10+00.00 LINE: STORM LINE O  
 INSTALL 18" DIA. NYLOPLAST JUNCTION STRUCTURE  
 W/ 18" SOLID TOP  
 N:1487081.89 E:1500069.02  
 INSTALL 75.17 L.F. 12" HDPE (S)  
 INSTALL 25.80 L.F. 12" HDPE (E)  
 INSTALL 88.19 L.F. 12" HDPE (W)

STA:11+49.61 LINE: STORM LINE E  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1486996.58 E:1499976.84  
 INSTALL 15.84 L.F. 6" HDPE (SW)

STA:13+21.18 LINE: STORM LINE A  
 INSTALL 18" DIA. NYLOPLAST JUNCTION STRUCTURE  
 W/ SOLID TOP  
 N:1487009.58 E:1500089.54  
 INSTALL 19.65 L.F. 12" HDPE (E)

STA:13+40.83 LINE: STORM LINE A  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487014.57 E:1500108.55  
 INSTALL 3.19 L.F. 6" HDPE (E)

STA:10+08.36 LINE: STORM LINE D  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487247.76 E:1499960.21

STA:10+38.11 LINE: STORM LINE A  
 EXIST. CURB INLET  
 N:1487281.92 E:1500012.31  
 INSTALL 17.68 L.F. 24" HDPE (S)

STA:10+55.78 LINE: STORM LINE A  
 STA:10+00.00 LINE STORM LINE B  
 STA:10+00.00 LINE STORM LINE C  
 INSTALL 30" DIA. NYLOPLAST  
 N:1487264.91 E:1500017.12  
 INSTALL 89.19 L.F. 18" HDPE (S)  
 INSTALL 59.43 L.F. 12" HDPE (W)  
 INSTALL 69.85 L.F. 24" HDPE (E)  
 INSTALL 8.72 L.F. 6" HDPE (W)

STA:10+03.75 LINE: STORM LINE R  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487283.42 E:1500084.85  
 INSTALL 10.93 L.F. 6" HDPE (W)

STA:11+49.63 LINE: STORM LINE D  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487300.47 E:1500162.42  
 INSTALL 10.81 L.F. 6" HDPE (E)

STA:10+69.85 LINE: STORM LINE C  
 STA:10+00.00 LINE: STORM LINE D  
 STA:10+00.00 LINE: STORM LINE R  
 INSTALL 24" DIA. NYLOPLAST  
 N:1487279.71 E:1500085.38  
 INSTALL 3.75 L.F. 12" HDPE (N)  
 INSTALL 29.77 L.F. 12" HDPE (S)  
 INSTALL 79.78 L.F. 18" HDPE (E)

STA:11+44.97 LINE: STORM LINE A  
 STA:10+00.00 LINE: STORM LINE L  
 INSTALL 30" DIA. NYLOPLAST  
 N:1487179.08 E:1500041.39  
 INSTALL 66.07 L.F. 12" HDPE (S)  
 INSTALL 12.92 L.F. 12" HDPE (NE)

STA:10+29.77 LINE: STORM LINE D  
 INSTALL 18" DIA. NYLOPLAST  
 N:1487250.45 E:1500090.86  
 INSTALL 4.64 L.F. 6" HDPE (SE)

STA:10+12.92 LINE: STORM LINE L  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487186.20 E:1500052.17  
 INSTALL 4.27 L.F. 6" HDPE (S)

STA:10+24.81 LINE: STORM LINE F  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487121.96 E:1500083.44  
 INSTALL 5.98 L.F. 6" HDPE (N)

STA:12+11.05 LINE: STORM LINE A  
 STA:10+00.00 LINE: STORM LINE F  
 INSTALL 18" DIA. NYLOPLAST JUNCTION STRUCTURE  
 W/ SOLID TOP  
 N:1487115.53 E:1500059.47  
 INSTALL 34.97 L.F. 12" HDPE (S)  
 INSTALL 24.81 L.F. 12" HDPE (E)

STA:10+25.80 LINE: STORM LINE O  
 INSTALL 18" DIA. NYLOPLAST INLET  
 W/ 18" BEEHIVE GRATE & 0.76" ORIFICE  
 N:1487088.94 E:1500093.84  
 INSTALL 4.10 L.F. 6" HDPE (S)

**LEGEND**  
 STR PROPOSED STORM SEWER PIPE  
 --- PROPOSED UNDERDRAIN  
 -924- EXISTING 1' CONTOUR  
 -925- EXISTING 5' CONTOUR  
 -929- PROPOSED 1' CONTOUR  
 -930- PROPOSED 5' CONTOUR

PRIVATE DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY  
 NOTICE TO CONTRACTOR  
 (SPECIAL ORDER 19 ~ "SO-19")

1. AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE & LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL, DIAL "811" [OR (505) 260-1990] FOR THE LOCATION OF EXISTING UTILITIES
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY
5. BACKFILL COMPACTION SHALL BE IN ACCORDING TO TRAFFIC/STREET USE
6. MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED
7. WORK ON ARTERIAL STREETS MAY BE REQUIRED ON A 24-HOUR BASIS
8. CONTRACTOR MUST CONTACT AUGIE ARMIJO AT (505) 857-8607 AND CONSTRUCTION COORDINATION AT 924-3416 TO SCHEDULE AN INSPECTION



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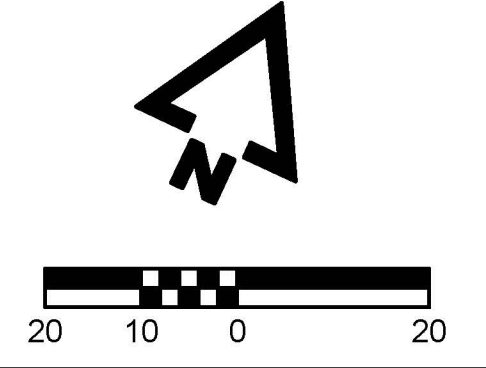


1-19-2021

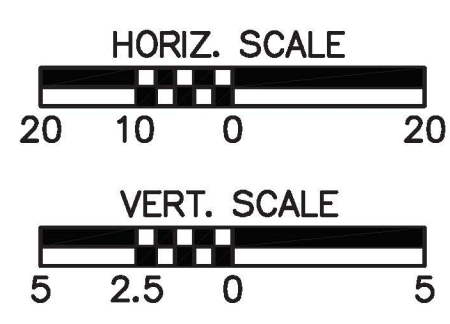
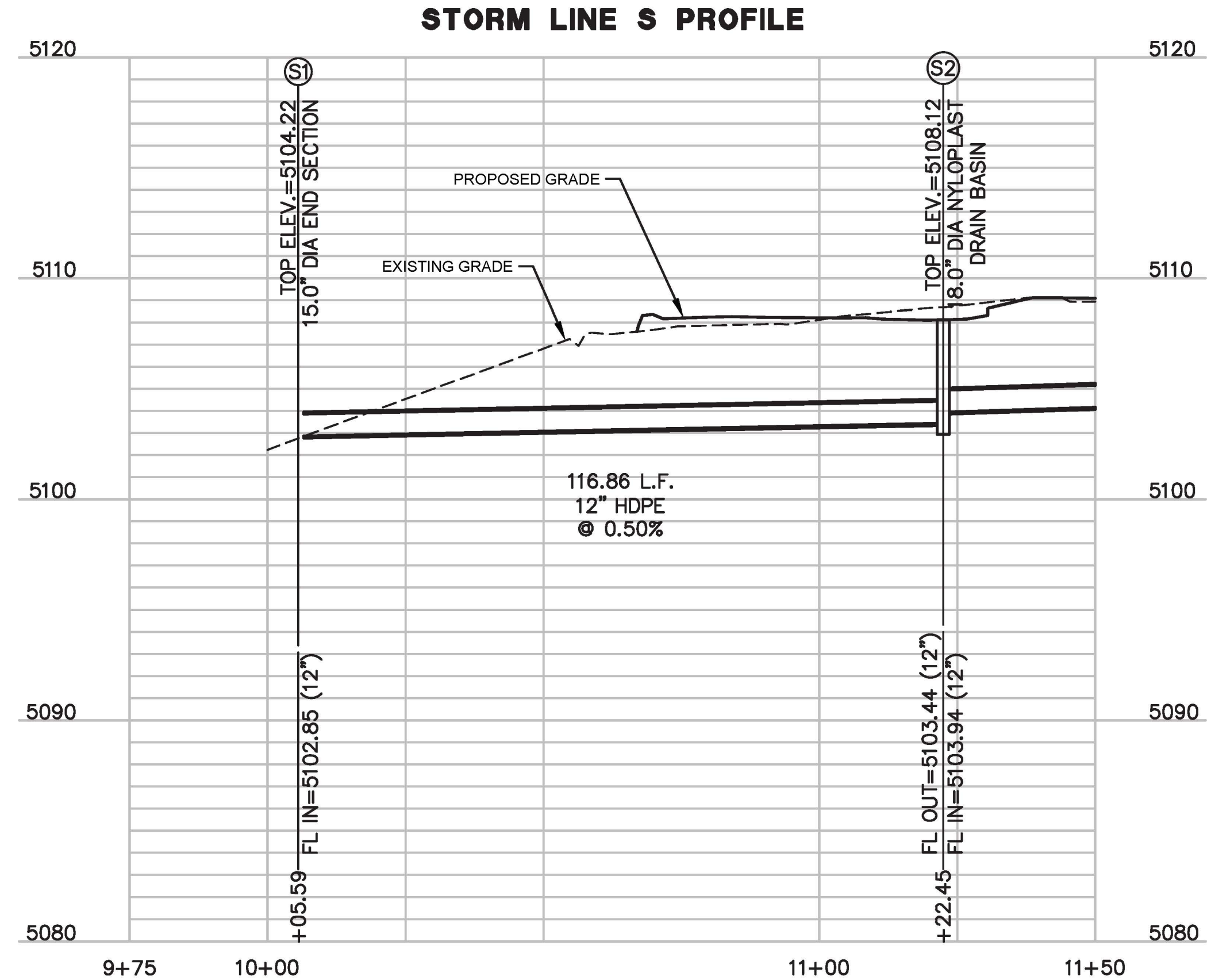
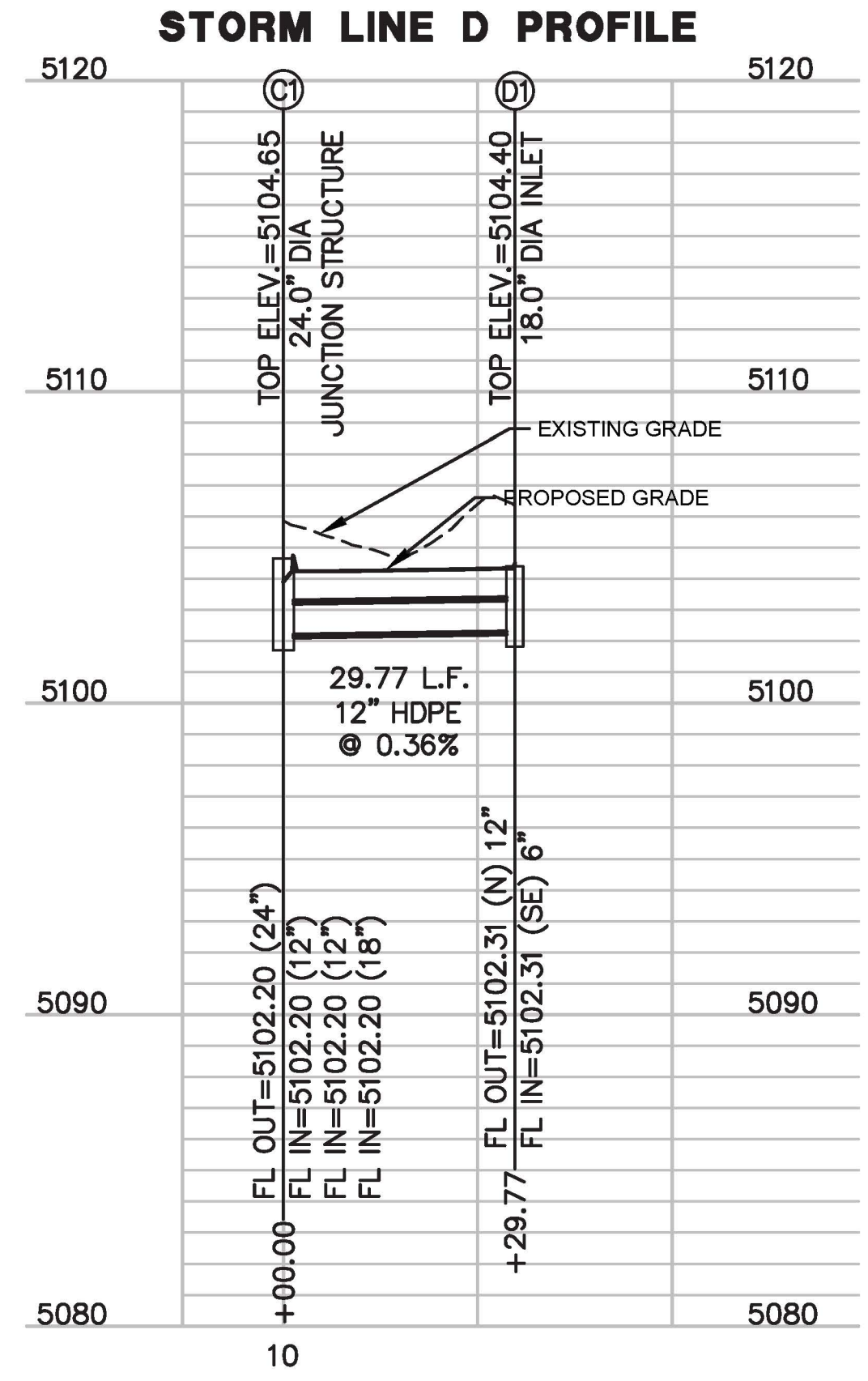
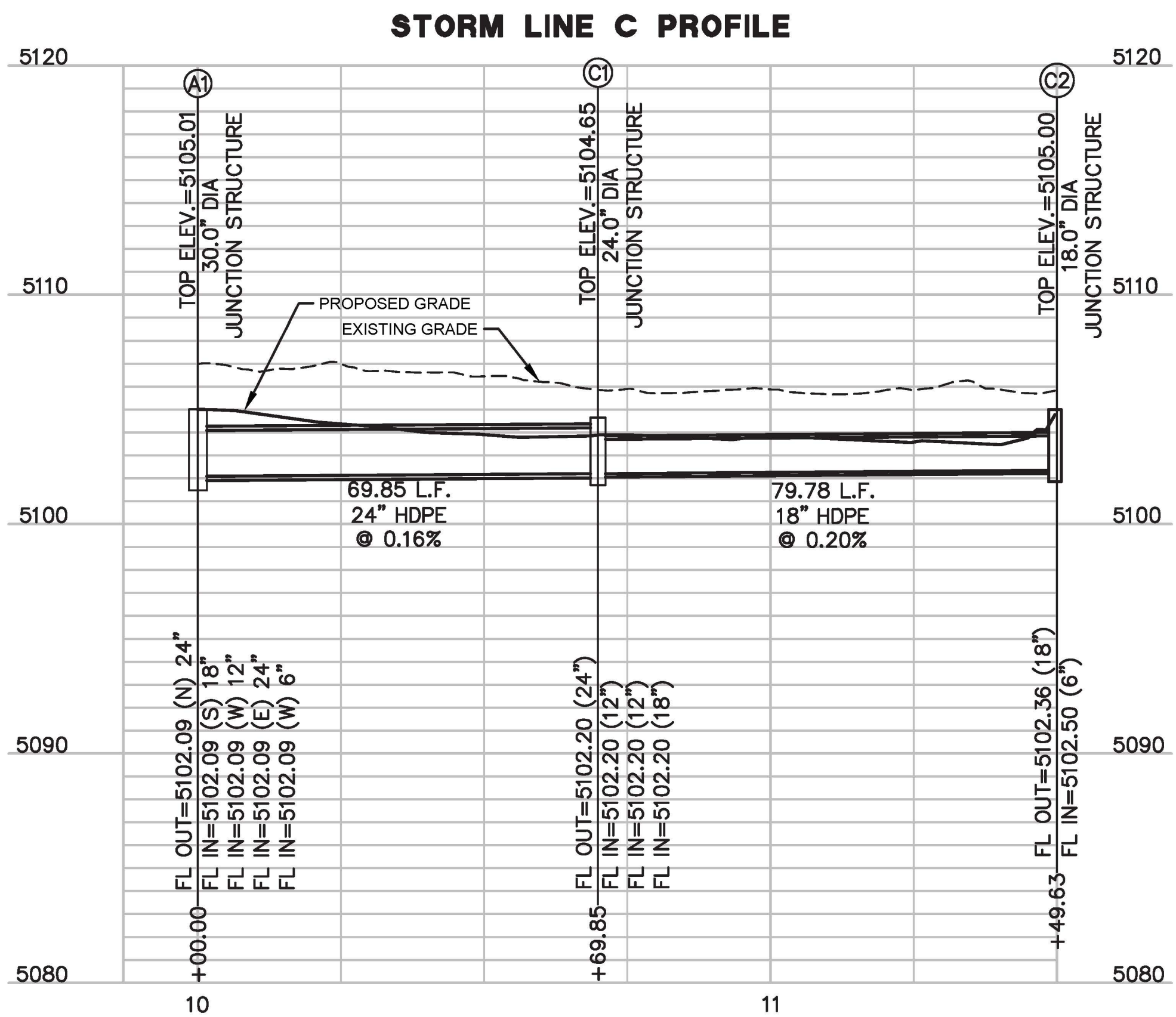
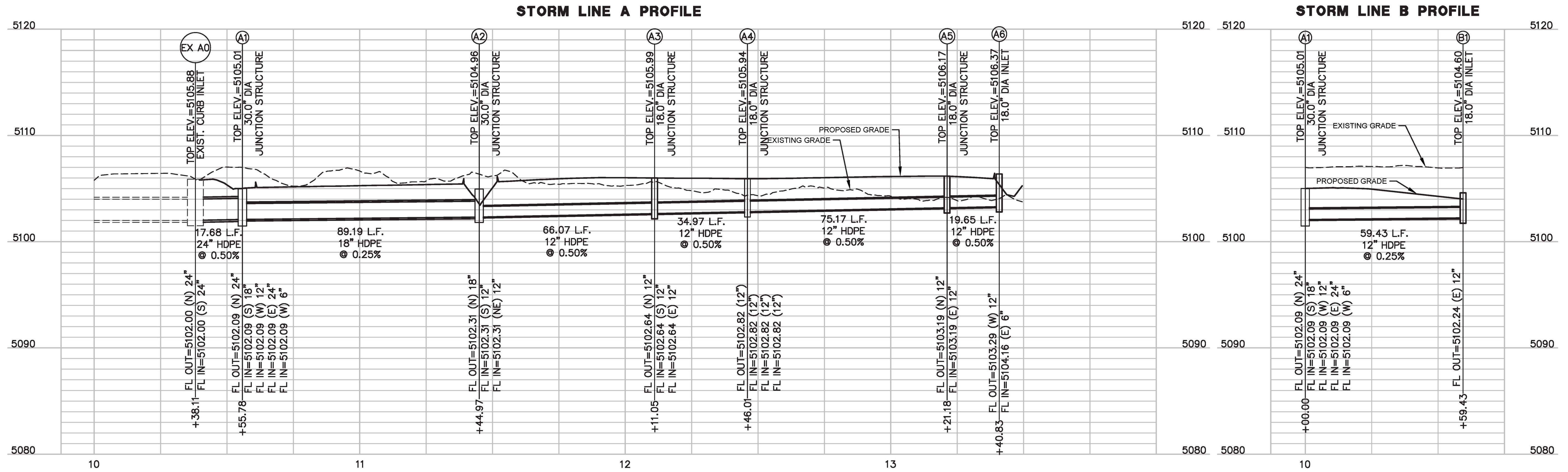
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 UTILITY PLAN (NORTH)

Sheet No.

C3.01



BY: ADEGONIA PLOT DATE: 1/20/2021 1:10 PM P:\191313-000\6-DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\191313-000 UTIL-PROF.DWG



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NO	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE
6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager: CJF  
Checked By: MVE  
Drawn By: ELM  
Document date: 04/17/2020  
Project No. 30000481 MEC# 191313-000

Professional Seal



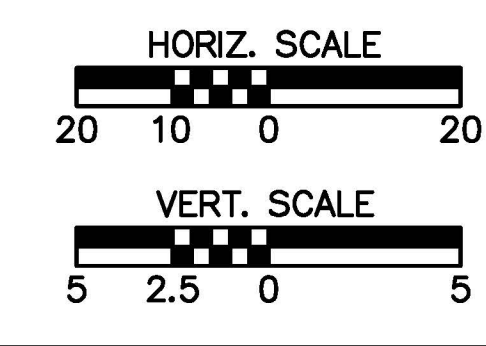
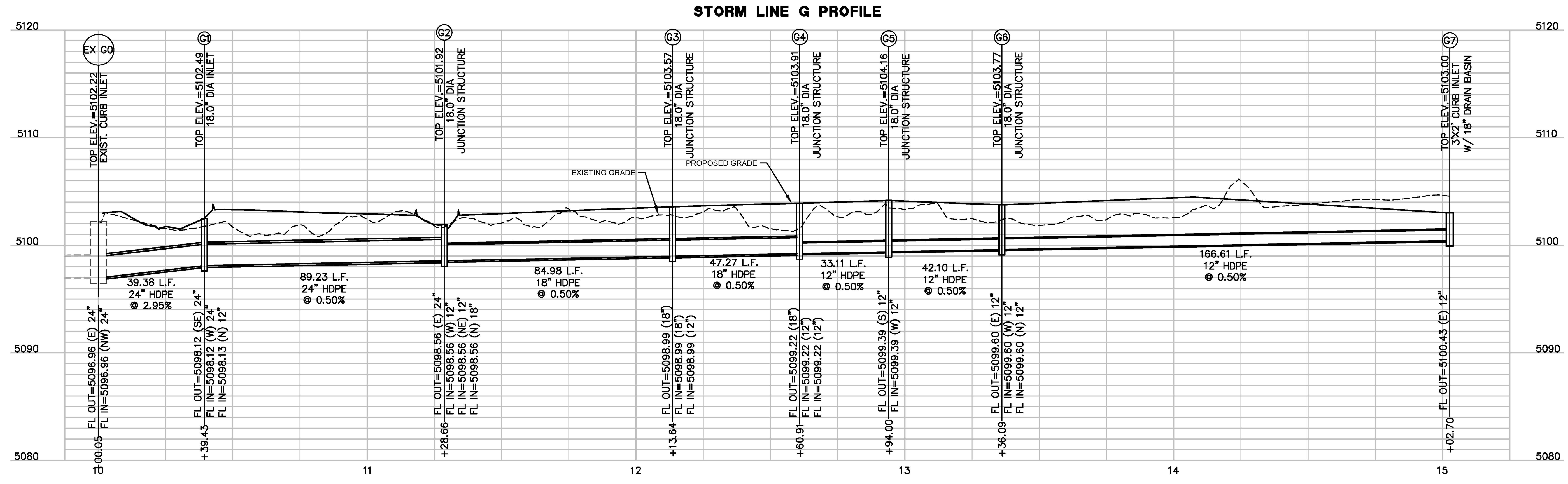
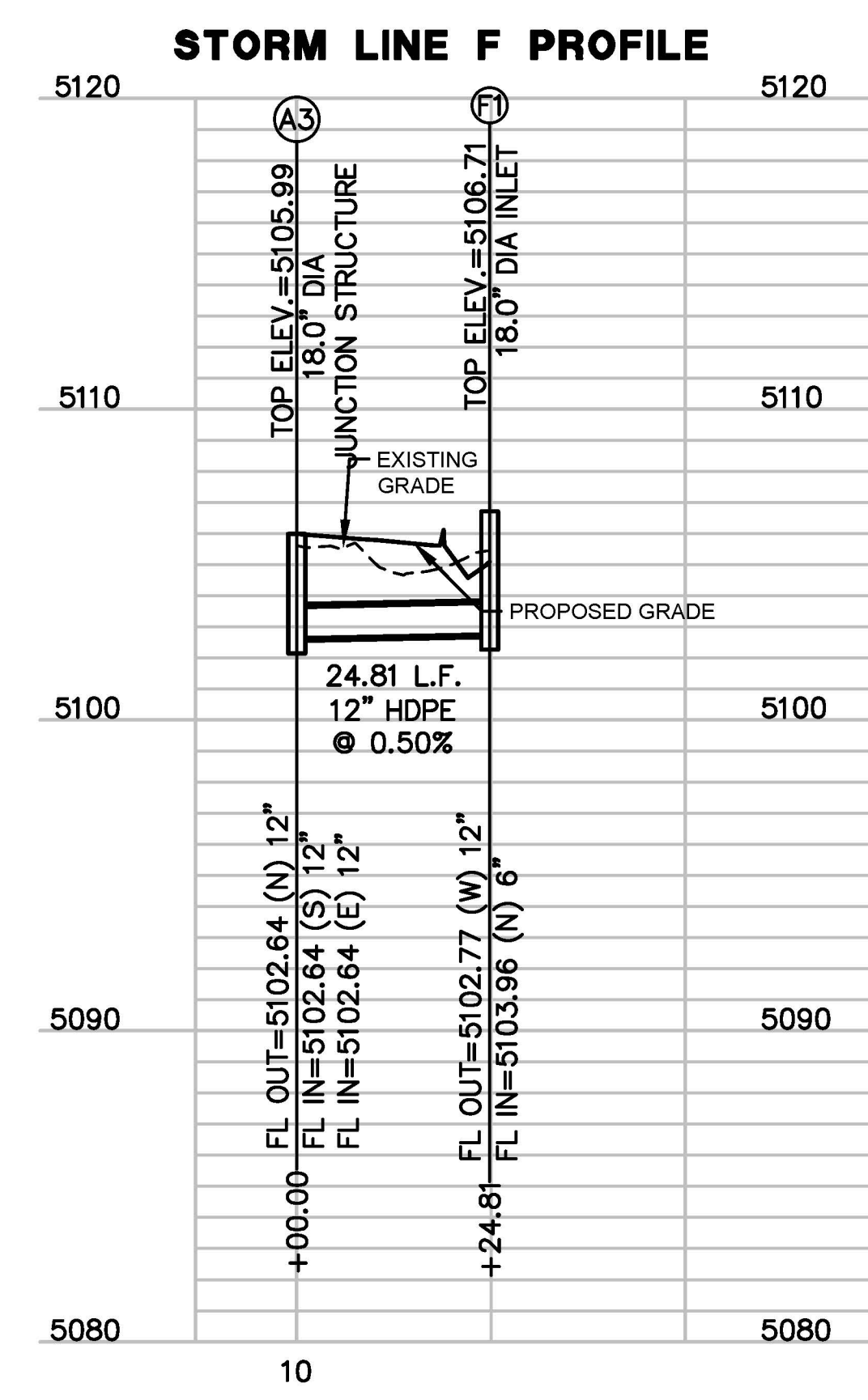
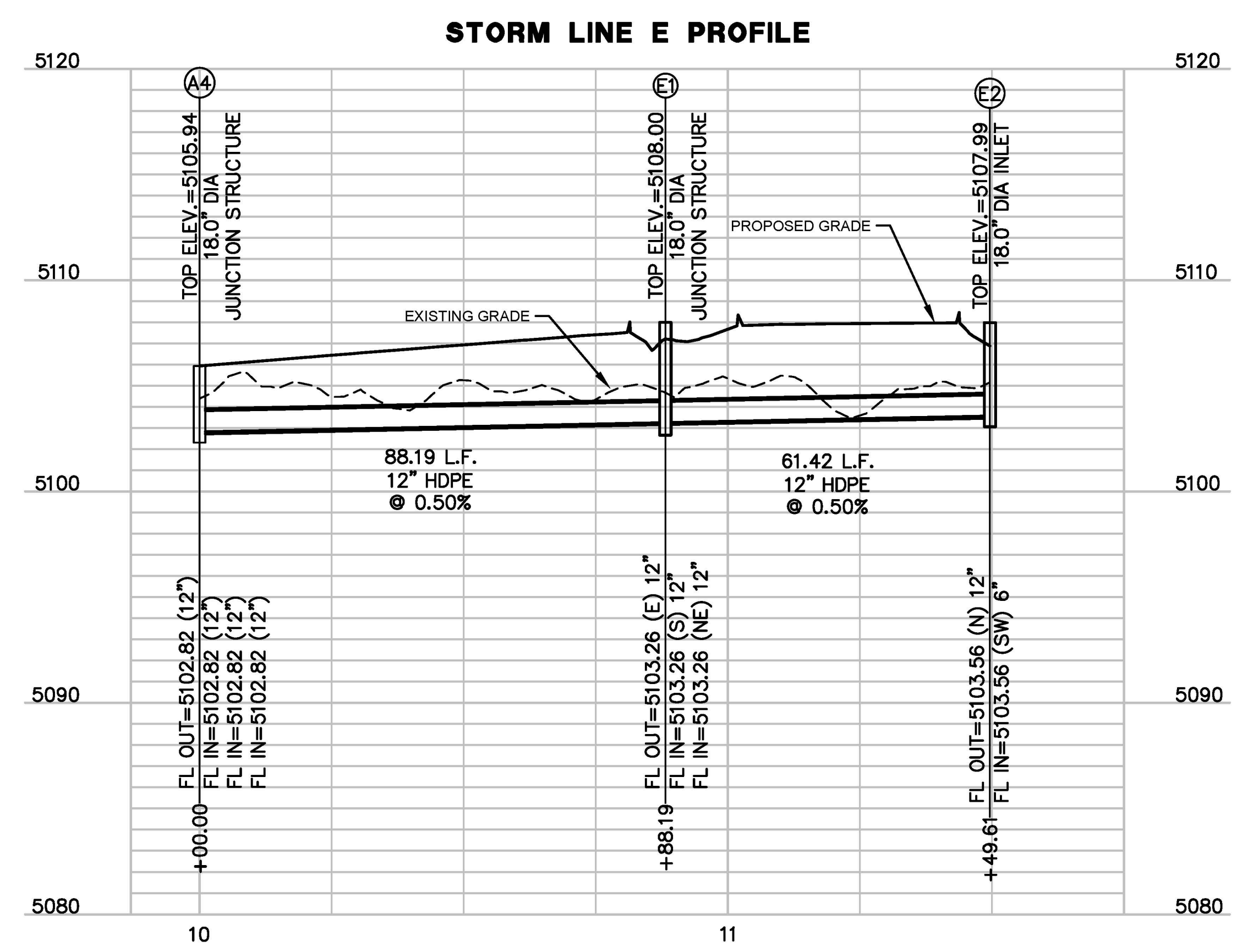
1-19-2021

Sheet Title  
UTILITY PROFILES-1

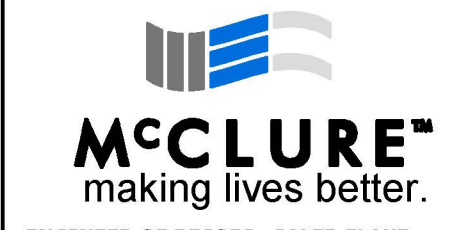
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**C3.03**

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Revisions

NO	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE
6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
CJF  
Checked By:  
MVE  
Drawn by:  
ELM  
Document date:  
04/17/2020  
Project No.  
30000481 MEC# 191313-000  
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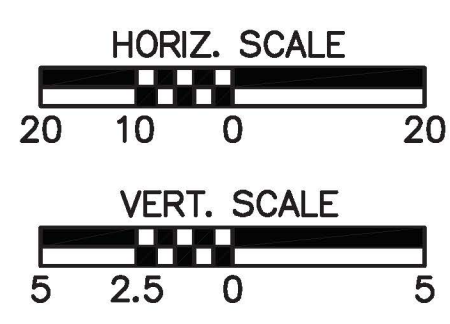
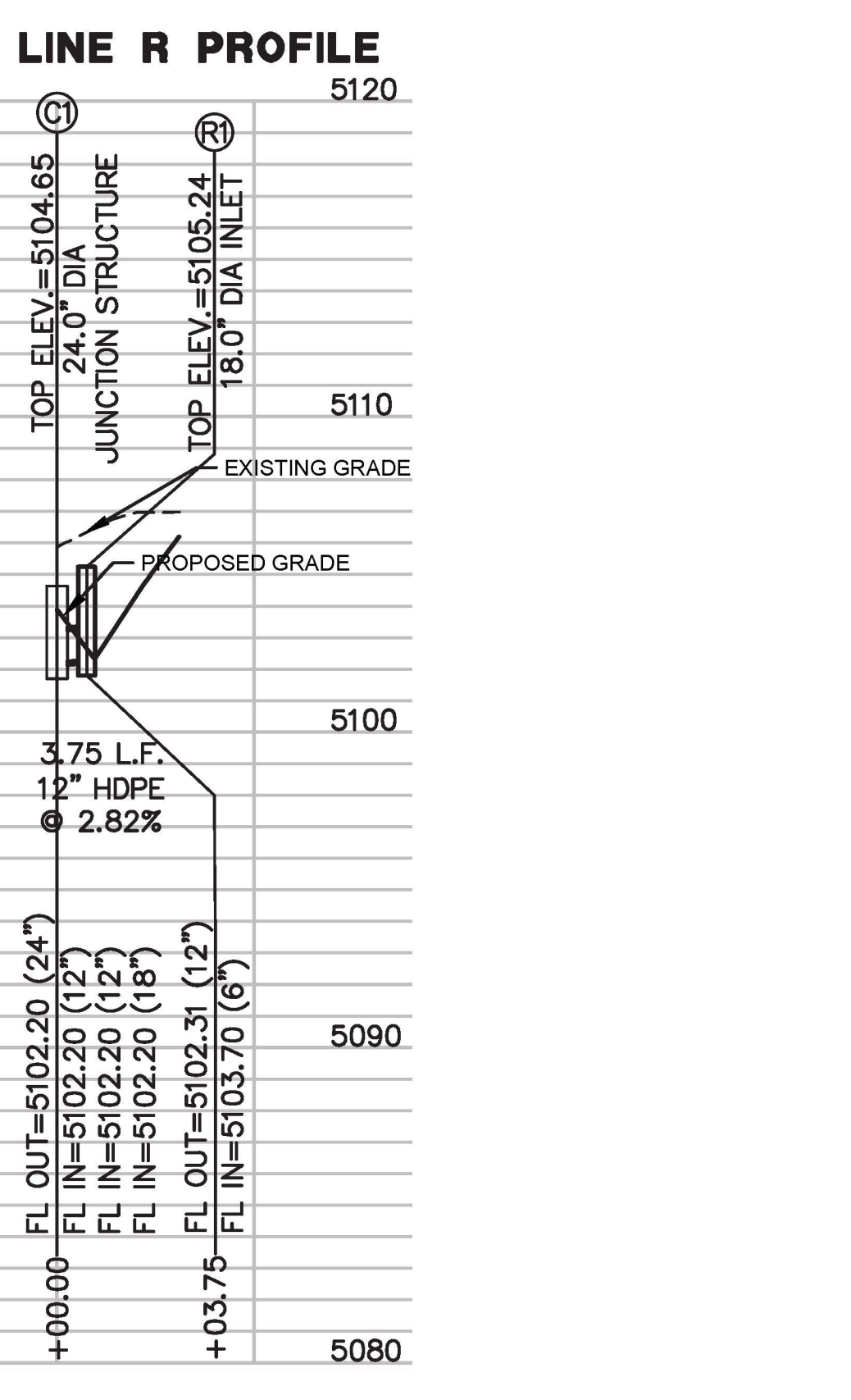
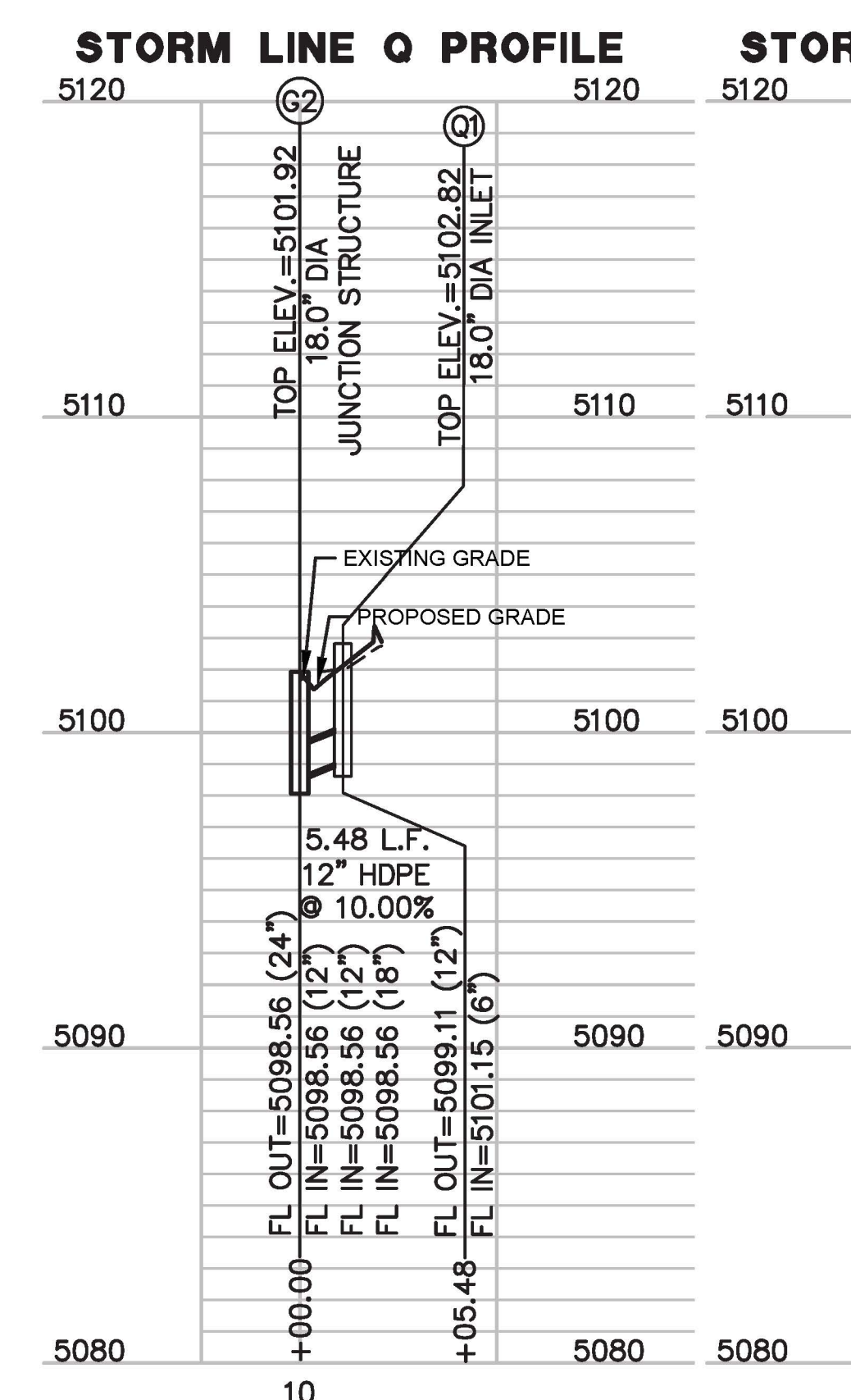
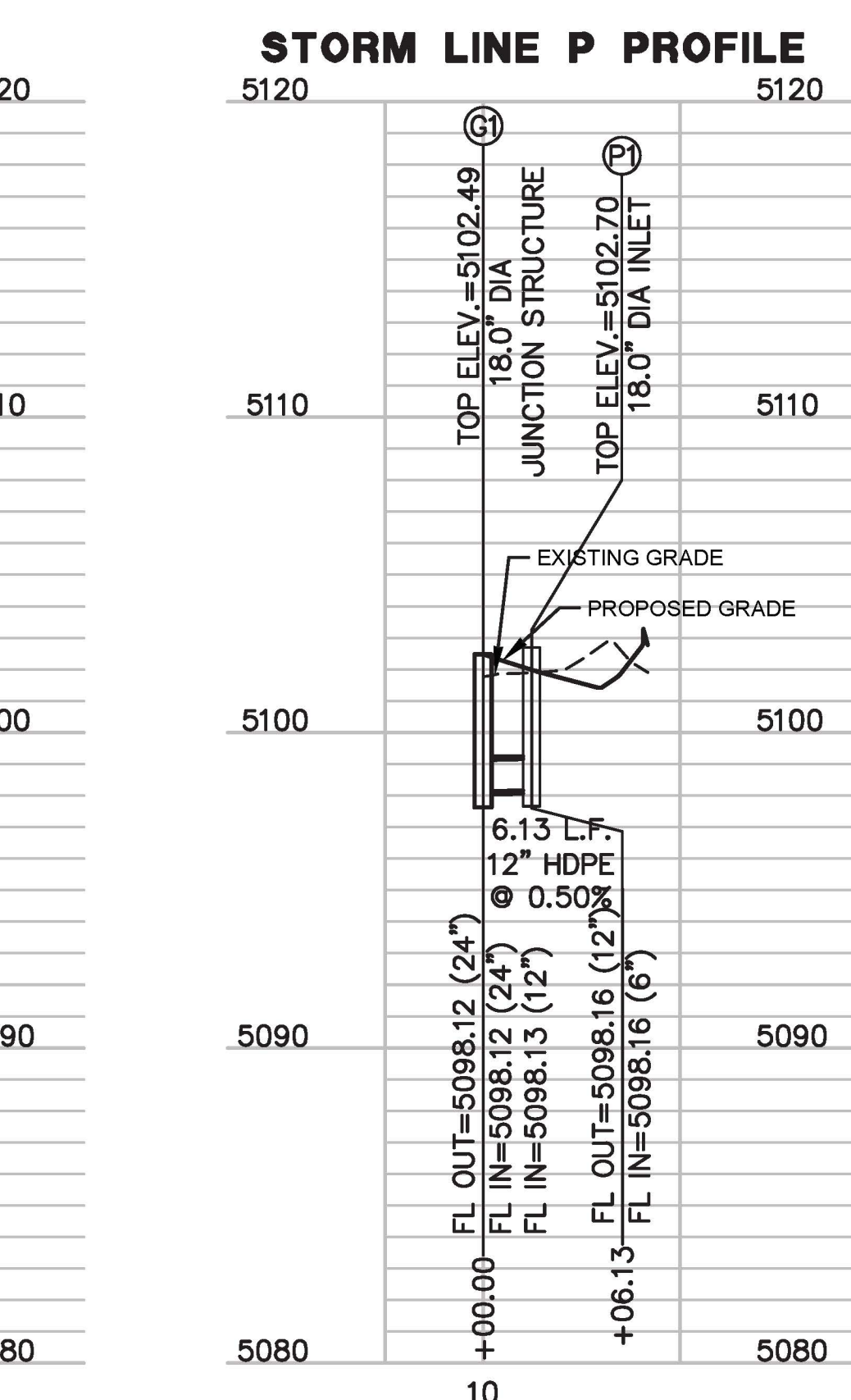
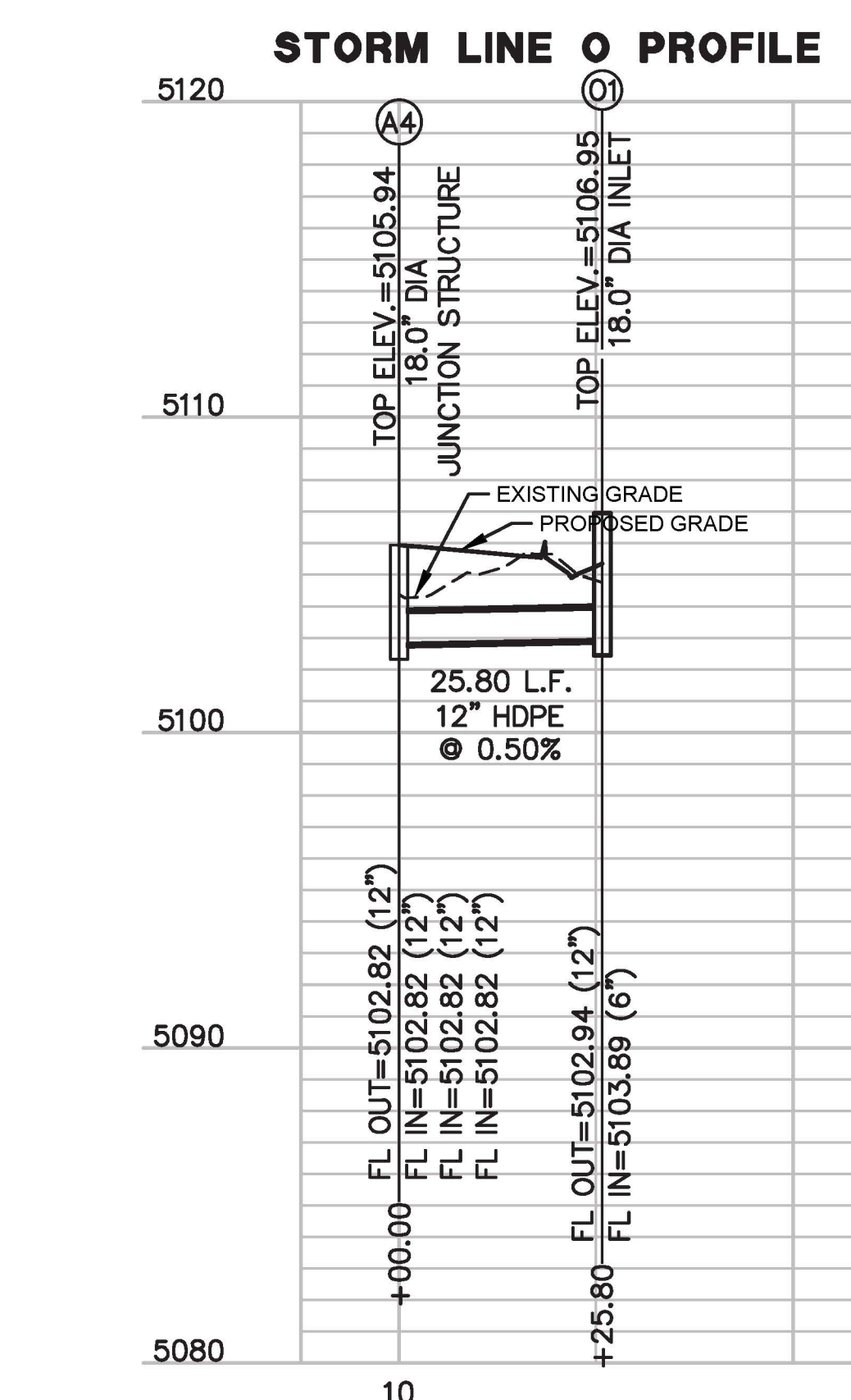
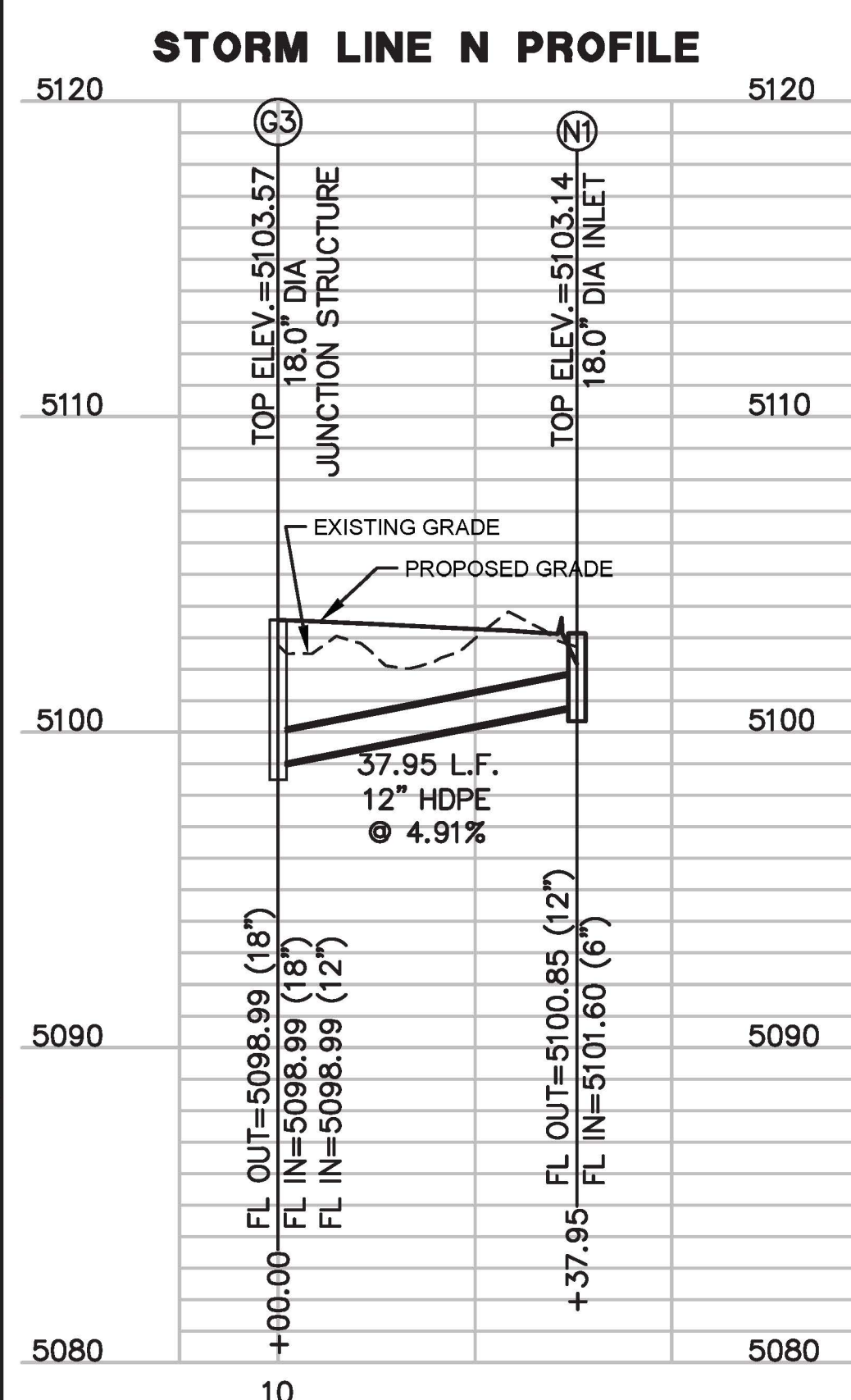
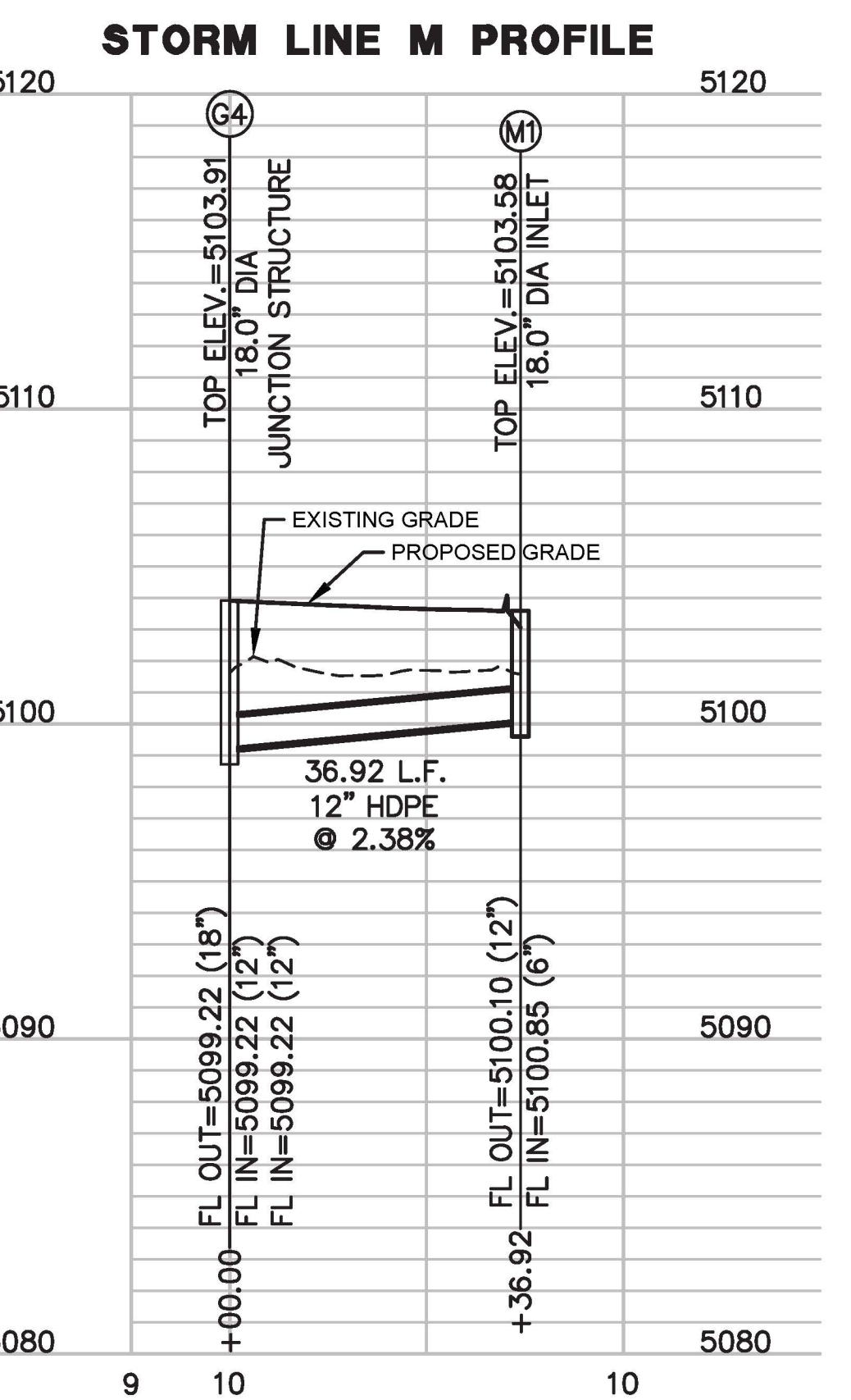
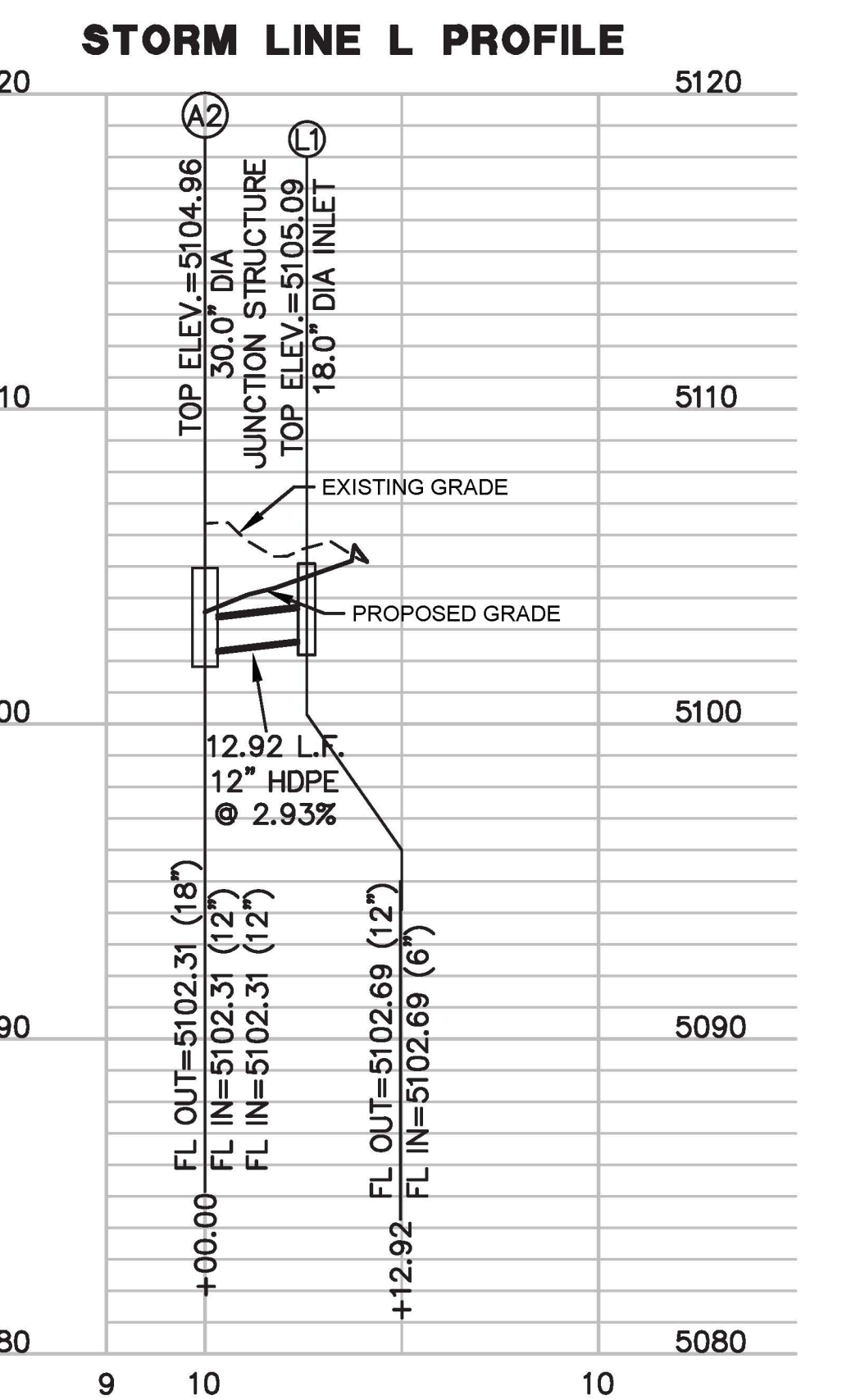
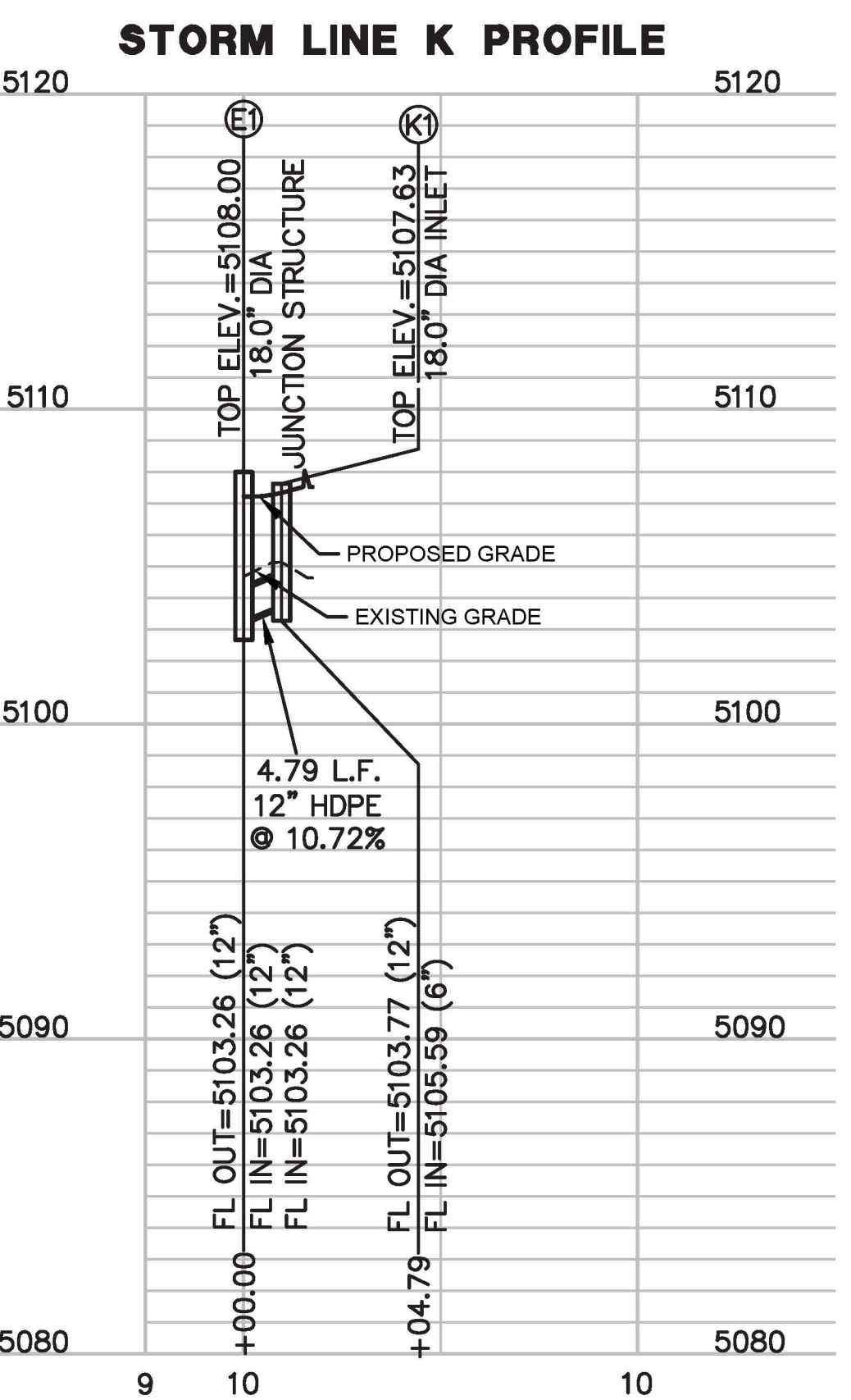
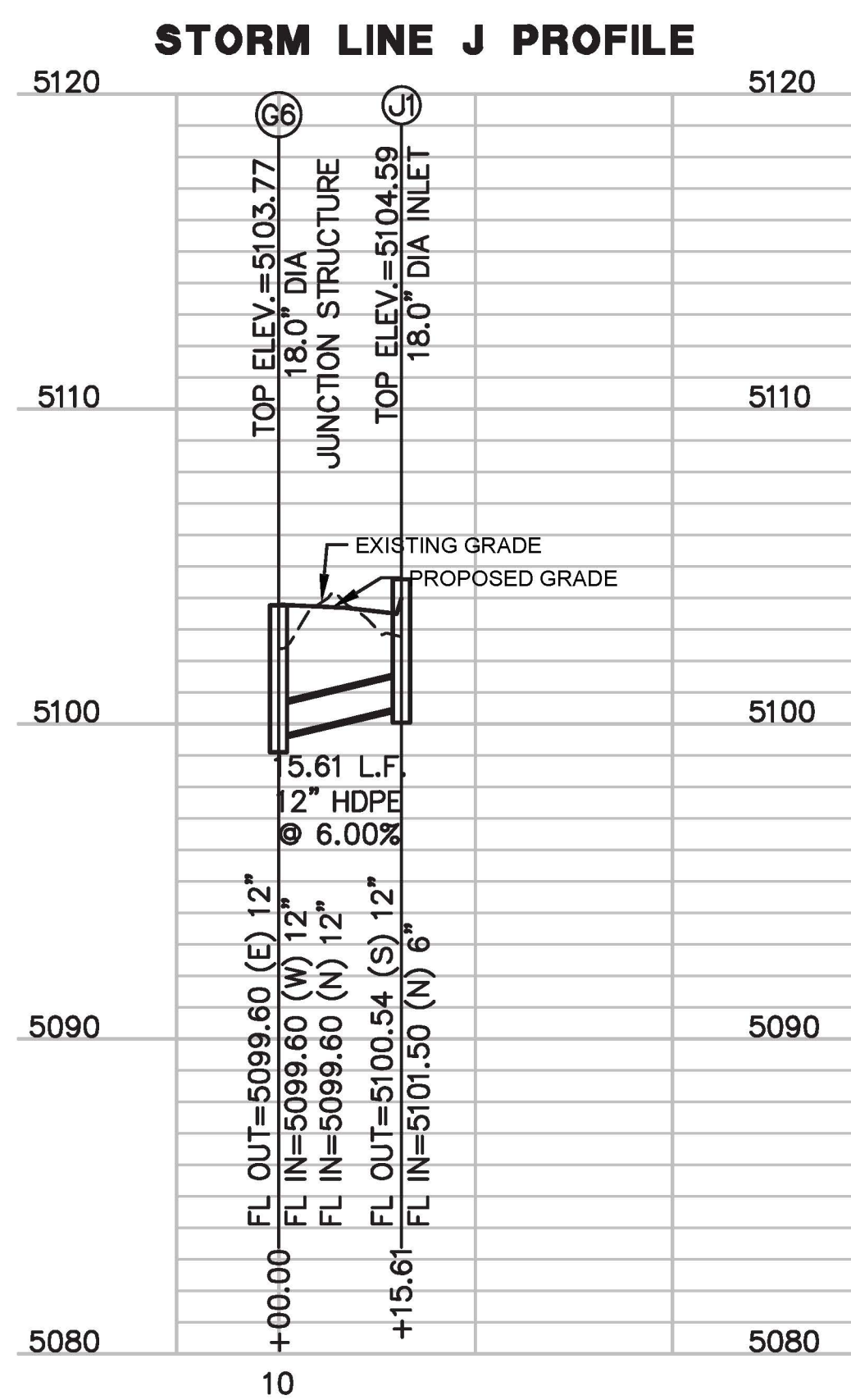
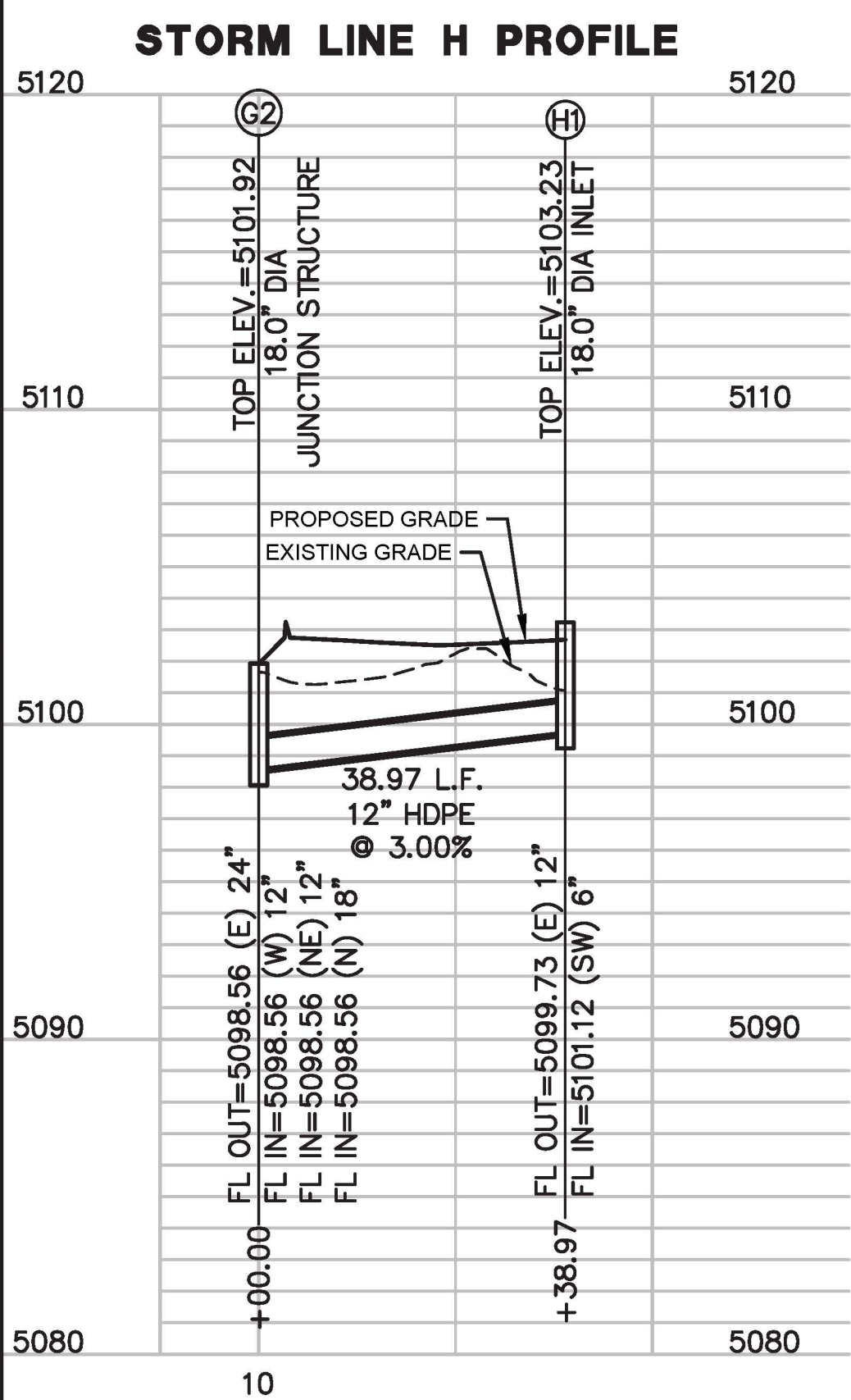
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Sheet Title  
UTILITY PROFILES-2

Sheet No.

**C3.04**

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6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 C.J.F.  
 Checked By:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 04/17/2020

Project No.  
 30000481 MEC# 191313-000

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CALEB J. FLAKE  
 REGISTERED PROFESSIONAL ENGINEER  
 NEW MEXICO  
 24114

1-19-2021

Sheet Title  
 UTILITY PROFILES-3

Sheet No.  
**C3.05**



**SITE GRADING GENERAL NOTES**

1. ALL ELEVATIONS SHOWN ARE TO FINISHED GRADE.
2. ALL GRADING OPERATIONS, EXCAVATION, FILL, COMPACTION TESTING, AND BACKFILL SHALL BE OBSERVED AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER.
3. NO PAVEMENTS SHALL BE PLACED PRIOR TO APPROVAL OF THE SUBGRADE BY THE GEOTECHNICAL ENGINEER.
4. ALL FILL MATERIAL SHALL BE IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS.
5. THE CONTRACTOR SHALL LEAVE ALL AREAS NOT TO RECEIVE PAVEMENT 6 INCHES BELOW THE FINISHED GRADE, TO ALLOW FOR TOPSOIL. SEE LANDSCAPE FOR ADDITIONAL REQUIREMENTS.
6. ALL GRADING OPERATIONS SHALL BE STAKED BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR.
7. ALL ADA PARKING STALLS AND ACCESS AISLES, SHALL HAVE LESS THAN 2% IN ANY DIRECTION.
8. ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5%. (2.0% MAX)
9. ALL BUILDING ENTRANCES SHALL HAVE A MINIMUM 5' LANDING WITH 1.5% SLOPE AWAY FROM THE BUILDING (2% MAX).

**DRAINAGE PLAN**

THE FOLLOWING ITEMS CONCERNING THE LOT 11 & LOT 12 MERIDIAN BUSINESS PARK GRADING AND DRAINAGE PLAN ARE CONTAINED BELOW:

1. VICINITY MAP
2. GRADING PLAN
3. CALCULATIONS

THE PROPOSED IMPROVEMENTS, AS SHOWN BY THE VICINITY MAP, ARE LOCATED ON THE SOUTH SIDE OF MERIDIAN PLACE NW, ON THE WEST SIDE OF AIRPORT DRIVE NW AND ON THE NORTH SIDE OF BLUEWATER ROAD NW. THE SITE IS UNDEVELOPED AND SLOPES FROM NORTH TO SOUTH AT AN APPROXIMATE SLOPE OF 0.5%. THE SITE IS NOT LOCATED WITHIN A FLOOD HAZARD ZONE ACCORDING TO EFFECTIVE MAPPING FROM F.E.M.A.

THE MASTER DRAINAGE PLAN FOR THIS SUBDIVISION WAS PREPARED BY EASTERLING AND ASSOCIATES. THIS PLAN ESTABLISHED A MAXIMUM SITE DISCHARGE RATE OF 0.10 CFS/ACRE AND REQUIRES TEMPORARY DIVERSION DITCHES AND PONDS TO CONTROL THE RUNOFF GENERATED FROM EACH LOT.

THE SITE IS BOUNDED ON THREE (3) SIDES BY PUBLIC RIGHT-OF-WAY, AND ON THE FOURTH SIDE BY PREVIOUSLY DEVELOPED SITES (INCLUDING LOT 13, FOR WHICH THE PARKING LOT IMPROVEMENTS ARE BEING DEVELOPED). THEREFORE, OFF-SITE FLOWS ARE NOT CONSIDERED SIGNIFICANT.

THE GRADING PLAN SHOWS:

1. THE EXISTING AND PROPOSED GRADES, INDICATED BY CONTOURS AT 0.2' INTERVALS (REFERENCE GENERAL NOTE ON THIS SHEET REGARDING STATE OF SURVEY AT THE TIME OF SUBMITTAL).
2. CONTINUITY BETWEEN EXISTING AND PROPOSED ELEVATIONS.
3. THE LIMIT AND CHARACTER OF EXISTING IMPROVEMENTS, AND
4. THE LIMIT AND CHARACTER OF PROPOSED IMPROVEMENTS.

THE PROPOSED IMPROVEMENTS CONSIST OF PARKING AND ASSOCIATED LANDSCAPING ON LOTS 11 & 12 AS WELL AS TENANT IMPROVEMENTS TO LOT 13 (INCLUDING CANOPIES ON THE NORTH AND SOUTH SIDE OF THE EXISTING BUILDING). THE RUNOFF FROM LOTS 11 & 12 INTO THE NORTHERN AND SOUTHERN PONDS. THE NORTHERN PONDS ARE DIVIDED INTO SUB-PONDS (N-1, N-2, N-3, N-4 & N-5) AND THE SOUTHERN PONDS ARE DIVIDED INTO SUB-PONDS (S-1, S-2, S-3 & S-4). EACH POND IS LOCATED WITHIN DEPRESSED ISLANDS WITHIN THE PARKING AREAS, AND WILL EVENTUALLY DISCHARGE INTO PUBLIC STORM SEWERS ALONG MERIDIAN PLACE NW (NORTHERN PONDS) AND BLUEWATER ROAD NW (SOUTHERN PONDS). THE RESPECTIVE RATES OF DISCHARGE FOR THE ACCUMULATED NORTHERN AND SOUTHERN PONDS ARE 0.26 AND 0.26 (BOTH OF WHICH ARE LESS THAN THE 0.1 CFS/ACRE REQUIREMENT PER THE MASTER PLAN).

THE CALCULATIONS ANALYZE THE EXISTING AND PROPOSED CONDITIONS FOR THE 6-HOUR, 100 YEAR RAINFALL EVENT. PER DISCUSSIONS WITH CITY, THE ANALYSIS IS IN ACCORDANCE WITH CHAPTER 6-"DRAINAGE, FLOOD CONTROL AND EROSION CONTROL" DEVELOPMENT PROCESS MANUAL, AS SHOWN BY THESE CALCULATIONS, THE RATE AND VOLUME OF RUNOFF WILL INCREASE BUT THE POND(S) WITH CONTROLLED OUTLETS WILL MITIGATE THE INCREASE. THIS PLAN IS IN CONFORMANCE WITH THE MASTER DRAINAGE PLAN.

**PRECIPITATION ZONE 1**  
 TOTAL SITE AREA (NORTHERN) = 2.65 ACRES, TOTAL SITE AREA (SOUTHERN) = 2.76 ACRES

**NORTHERN BASIN** AREA = 2.65 ACRES

EXISTING CONDITIONS  
 LAND TREATMENT A = 100%  
 EQN 6.1: E = (0.55\*2.65)/2.65 = 0.55 INCHES  
 EQN 6.2: V360 = (0.55\*2.65)/12 = 0.122 ACRE FEET  
 EQN 6.6: Qp = (1.54\*2.65) = 4.08 CFS

PROPOSED CONDITIONS  
 LAND TREATMENT B = 82.8% (2.19 ACRES), D = 17.2% (0.46 ACRES)  
 EQN 6.1: E = (0.93\*0.46) + (2.24\*2.19)/2.65 = 2.01 INCHES  
 EQN 6.2: V360 = (2.01\*2.65)/12 = 0.444 ACRE FEET  
 EQN 6.6: Qp = (2.16\*0.46) + (4.12\*2.19) = 10.02 CFS

INCREASE IN VOLUME OF RUNOFF = 0.322 ACRE FEET  
 INCREASE IN RATE OF RUNOFF = 5.94 CFS

**POND VOLUME (NORTHERN BASINS)**  
 Tc = 0.2 HR, Ad = 2.43 ACRES, At = 2.65 ACRES, 0.25(Ad/At) = 0.229 HR  
 Tb = 2.107"E/(Av/Qp) - 0.25(Ad/At) = 0.891 HR  
 Tp = (0.7\*Tc) + ((1.6\*(Ad/At))/12) = 0.197 HR  
 Vrequired = 19,776 CF

**POND VOLUME AND DISCHARGES**  
 POND 1 VOLUME = 1,631.26 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*3.23)] = 0.0273 CFS  
 POND 2 VOLUME = 1,872.21 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*3.24)] = 0.0285 CFS  
 POND 3 VOLUME = 780.51 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*2.73)] = 0.0251 CFS  
 POND 4 VOLUME = 665.13 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*3.16)] = 0.0270 CFS  
 POND 5 VOLUME = 794.46 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*2.69)] = 0.0249 CFS  
 POND 6 VOLUME = 702.28 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*2.74)] = 0.0251 CFS  
 POND 7 VOLUME = 1,960.70 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*3.06)] = 0.0285 CFS  
 POND 14 VOLUME = 4,851.20 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*3.23)] = 0.0272 CFS  
 POND 15 VOLUME = 1,641.11 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*3.36)] = 0.0233 CFS  
 POND 16 VOLUME = 808.30 CF, 0.76" ORIFICE (AREA = 0.0032 SF), OUTFLOW = 0.6 (0.0032) [SQ(2\*32.2\*2.55)] = 0.0242 CFS

TOTAL OUTFLOW = 0.2561 CFS, ALLOWABLE OUTFLOW = 2.65\*0.1 = 0.265 CFS

**SOUTHERN BASIN** AREA = 2.76 ACRES

EXISTING CONDITIONS  
 LAND TREATMENT A = 100%  
 EQN 6.1: E = (0.55\*2.76)/2.76 = 0.55 INCHES  
 EQN 6.2: V360 = (0.55\*2.76)/12 = 0.127 ACRE FEET  
 EQN 6.6: Qp = (1.54\*2.76) = 4.25 CFS

PROPOSED CONDITIONS  
 LAND TREATMENT B = 82.8% (2.29 ACRES), D = 17.2% (0.47 ACRES)  
 EQN 6.1: E = (0.93\*0.47) + (2.24\*2.29)/2.76 = 2.02 INCHES  
 EQN 6.2: V360 = (2.02\*2.76)/12 = 0.465 ACRE FEET  
 EQN 6.6: Qp = (2.16\*0.47) + (4.12\*2.29) = 10.45 CFS

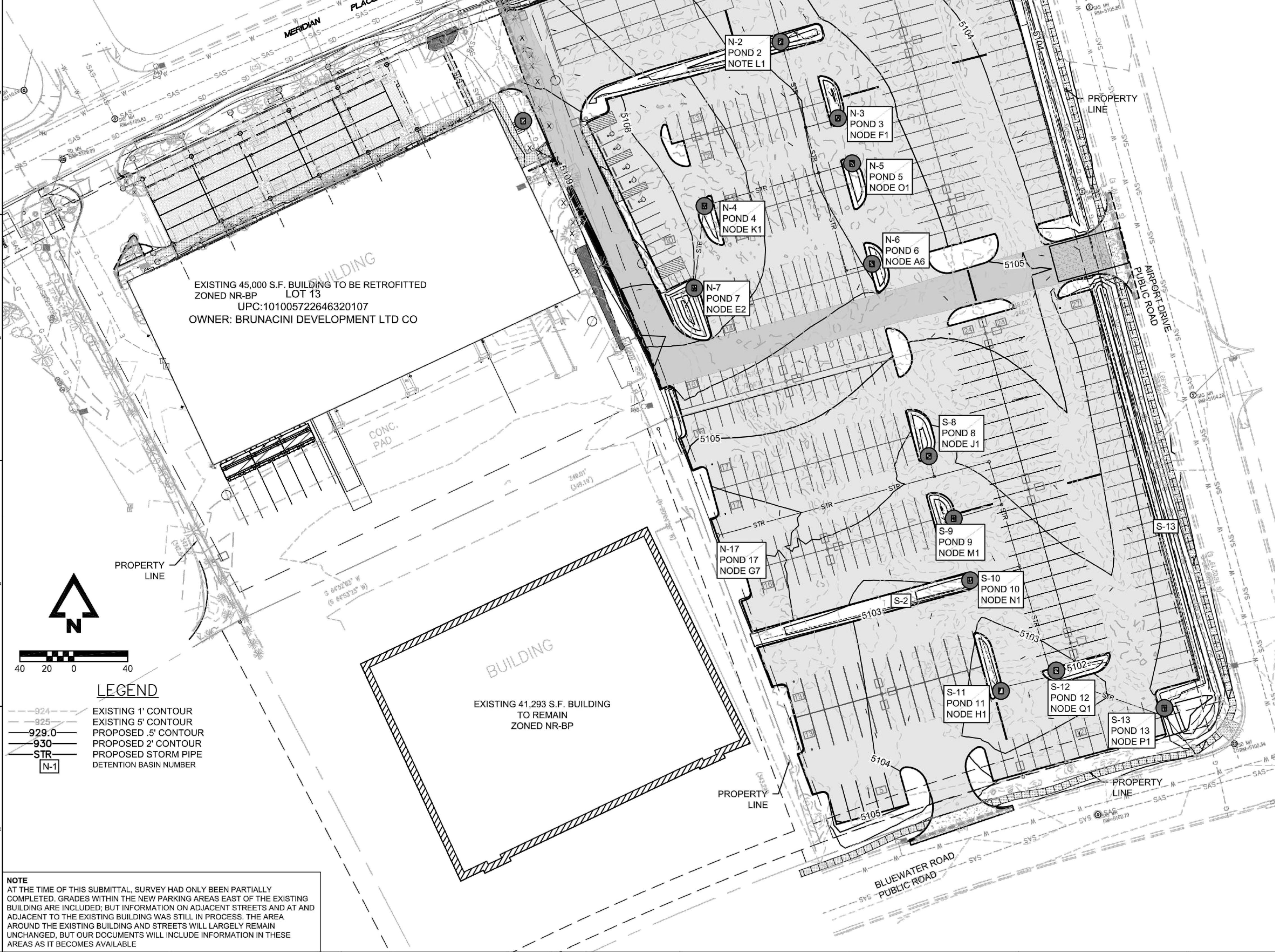
INCREASE IN VOLUME OF RUNOFF = 0.338 ACRE FEET  
 INCREASE IN RATE OF RUNOFF = 6.20 CFS

**POND VOLUME (SOUTHERN BASINS)**  
 Tc = 0.2 HR, Ad = 2.53 ACRES, At = 2.76 ACRES, 0.25(Ad/At) = 0.229 HR  
 Tb = 2.107"E/(Av/Qp) - 0.25(Ad/At) = 0.895 HR  
 Tp = (0.7\*Tc) + ((1.6\*(Ad/At))/12) = 0.197 HR  
 Vrequired = 20,700 CF

**POND VOLUME AND DISCHARGES**  
 POND 8 VOLUME = 1,352.11 CF, 0.95" ORIFICE (AREA = 0.0049 SF), OUTFLOW = 0.6 (0.0049) [SQ(2\*32.2\*3.42)] = 0.0438 CFS  
 POND 9 VOLUME = 1,171.28 CF, 0.95" ORIFICE (AREA = 0.0049 SF), OUTFLOW = 0.6 (0.0049) [SQ(2\*32.2\*3.92)] = 0.0469 CFS  
 POND 10 VOLUME = 2,524.64 CF, 0.95" ORIFICE (AREA = 0.0049 SF), OUTFLOW = 0.6 (0.0049) [SQ(2\*32.2\*2.47)] = 0.0372 CFS  
 POND 11 VOLUME = 4,354.06 CF, 0.95" ORIFICE (AREA = 0.0049 SF), OUTFLOW = 0.6 (0.0049) [SQ(2\*32.2\*2.90)] = 0.0404 CFS  
 POND 12 VOLUME = 4,460.13 CF, 0.95" ORIFICE (AREA = 0.0049 SF), OUTFLOW = 0.6 (0.0049) [SQ(2\*32.2\*2.87)] = 0.0402 CFS  
 POND 13 VOLUME = 10,915.17 CF, 0.72" ORIFICE (AREA = 0.0028 SF), OUTFLOW = 0.6 (0.0028) [SQ(2\*32.2\*4.52)] = 0.0289 CFS  
 POND 17 VOLUME = 1,860.71 CF, 0.95" ORIFICE (AREA = 0.0049 SF), OUTFLOW = 0.6 (0.0049) [SQ(2\*32.2\*2.57)] = 0.0380 CFS

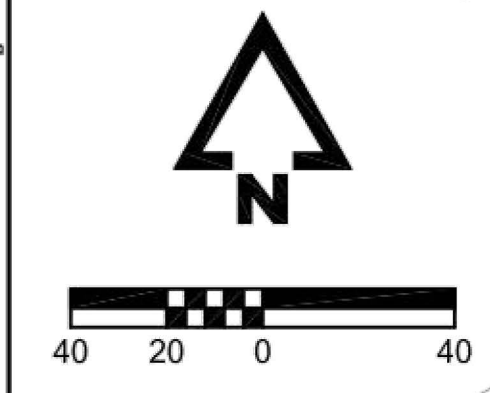
TOTAL OUTFLOW = 0.2755 CFS, ALLOWABLE OUTFLOW = 2.76\*0.1 = 0.276 CFS

**TOTAL VOLUME**  
 TOTAL VOLUME PROVIDED (NORTH AND SOUTH BASINS) = 42,345.28 CF  
 TOTAL VOLUME REQUIRED (NORTH AND SOUTH BASINS) = 40,446.00 CF



EXISTING 45,000 S.F. BUILDING TO BE RETROFITTED  
 ZONED NR-BP LOT 13  
 UPC:101005722646320107  
 OWNER: BRUNACINI DEVELOPMENT LTD CO

EXISTING 41,293 S.F. BUILDING TO REMAIN  
 ZONED NR-BP



**LEGEND**

924	EXISTING 1' CONTOUR
925	EXISTING 5' CONTOUR
929.0	PROPOSED .5' CONTOUR
930	PROPOSED 2' CONTOUR
STR	PROPOSED STORM PIPE
N-1	DETENTION BASIN NUMBER

**NOTE**  
 AT THE TIME OF THIS SUBMITTAL, SURVEY HAD ONLY BEEN PARTIALLY COMPLETED. GRADES WITHIN THE NEW PARKING AREAS EAST OF THE EXISTING BUILDING ARE INCLUDED, BUT INFORMATION ON ADJACENT STREETS AND AT ADJACENT TO THE EXISTING BUILDING WAS STILL IN PROCESS. THE AREA AROUND THE EXISTING BUILDING AND STREETS WILL LARGELY REMAIN UNCHANGED, BUT OUR DOCUMENTS WILL INCLUDE INFORMATION IN THESE AREAS AS IT BECOMES AVAILABLE.

**brr**  
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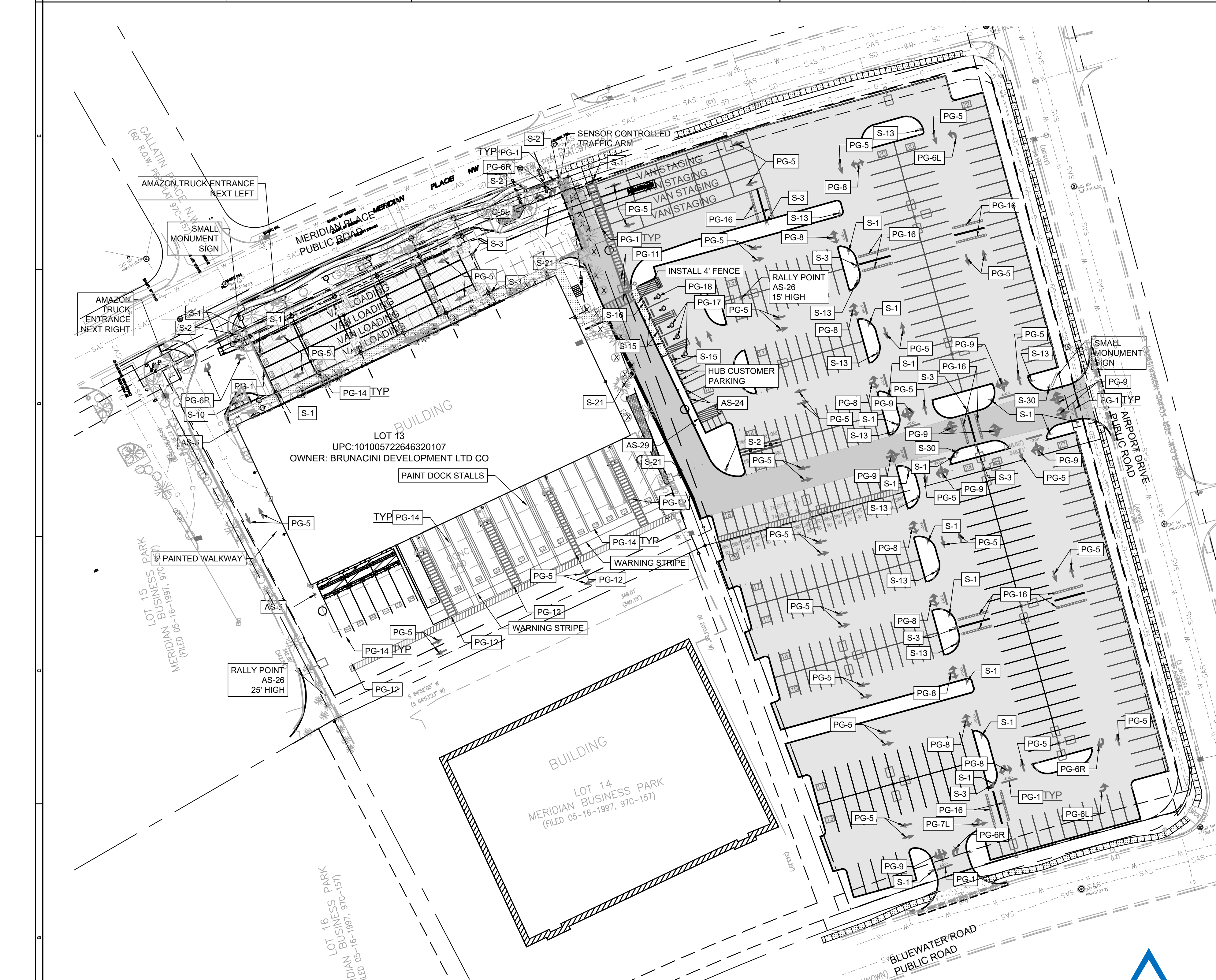
Revisions

NO.	DATE	DESCRIPTION

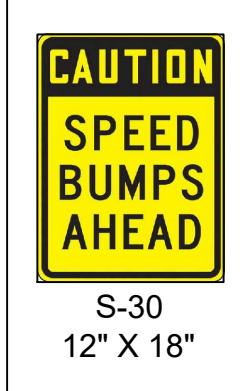
WAQ1 - Albuquerque, NM  
**WAQ1 - Albuquerque, NM**  
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Project Manager:  
 C/JF  
 Checked By:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 08/16/2020  
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BY: KHANSON IMCECMICR01PROJECTS\191313-000\06-DRAWINGS\CIVIL\SITE PLAN SHEETS\191313-000 GRAD.DWG PLOT DATE: 11/10/2020 11:47 AM



NOTE: ALL "S" SIGNS ARE TO BE PER MUTCD STANDARDS.



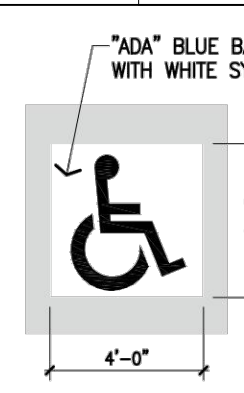
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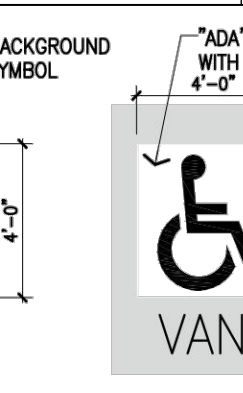
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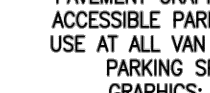
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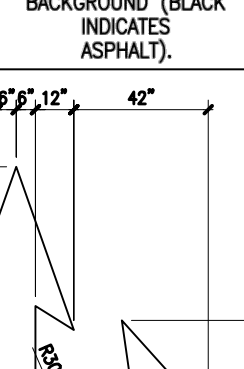
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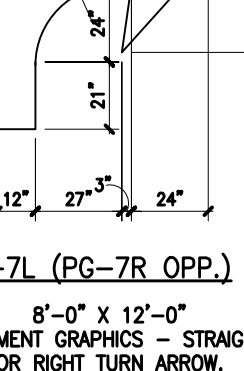
PG-18



S-1



PG-11



PG-12



PG-14



PG-5



PG-6L (PG-6R OPP.)



PG-7L (PG-7R OPP.)



PG-8



PG-9

**VINYL GRAPHICS GENERAL NOTES**

DOOR SIGNS: SEE DOOR SIGN PLACEMENT DETAIL ON THIS SHEET FOR MOUNTING HEIGHTS.

DESCRIPTION: CUSTOM CUT VINYL GRAPHICS, ATTACHED TO FIRST SURFACE OF EXTERIOR GLASS.

GRAPHICS AND TYPOGRAPHY: SIGN GRAPHICS ARE HEAVY DUTY 1/4" VINYL. LOGO IS A HIGH RESOLUTION DIGITAL PRINT ON PERMANENT ADHESIVE PRESSURE SENSITIVE VINYL. SUBSTRATE WITH LUSTER OVER LAMINATE, CUT TO SHAPE FROM VECTOR FILE. COPY IS WHITE WHITE VINYL.

INSTALLATION: LOCATIONS ARE GENERALLY NOTED ON THE ATTACHED LOCATION PLANS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL INSTALLATION CONDITIONS PRIOR TO FABRICATION. THE INSTALLATION METHODS AND DETAILS FOR EACH LOCATION SHALL BE ILLUSTRATED IN THE SUBMITTED SHOP DRAWINGS. FINAL LOCATION WILL BE APPROVED ON SITE BY THE TENANT REPRESENTATIVE.

SUBMITTALS: THE FOLLOWING SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION - (3) SETS OF SHOP DRAWINGS AND (3) 6" X 6" VINYL SAMPLES OF EACH SIGN FACE COLOR. SEE GENERAL CONSTRUCTION AND INSTALLATION SPECIFICATIONS FOR ADDITIONAL SUBMITTALS.

**SIGNAGE GENERAL NOTES**

- FINAL QUANTITIES SHALL BE COORDINATED AND VERIFIED IN FIELD.
- ADDITIONAL SIGNAGE NOT SHOWN ON GRAPHICS PLAN MAY BE REQUIRED PER LOCAL CODE AND/OR A.H.J. SUB-CONTRACTOR SHALL COORDINATE WITH LOCAL A.H.J. AND PROVIDE AS REQUIRED.
- MOUNT SIGNAGE ACCORDING TO LOCAL CODES.
- ALL PERMANENT SIGNAGE TO ACCESSIBLE AREAS TO HAVE RAISED BRAILLE CHARACTERS PER ANSI 111.7-2009
- TYPICAL SIGN FONT IS SET IN ARIAL.
- SEE DOOR SCHEDULE FOR DOOR SIGNAGE REQUIRED TEXT.
- NOT ALL SIGNAGE SHOWN IS REQUIRED. COORDINATE W/ CONSTRUCTION MANAGER AT SCHEDULED SITE WALK FOR FINAL DETERMINATION.

**PAVEMENT GRAPHIC NOTES:**

- TWO COAT APPLICATION REQUIRED FOR ALL PAVEMENT GRAPHICS. REFER TO CIVIL FOR PAINTED GRAPHIC ARROWS AND ADDITIONAL PAVEMENT GRAPHIC CRITERIA. SEE SITE DETAILS FOR MORE PAVEMENT GRAPHICS AT TRAILER PARKING.

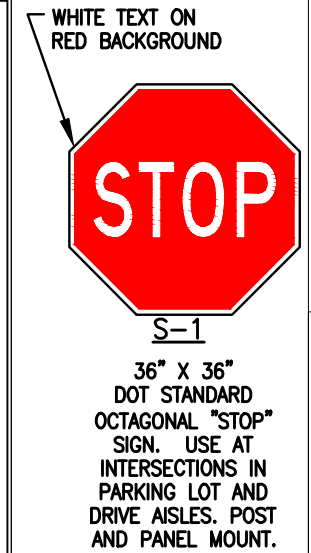
**GRAPHICS / PAVEMENT PAINT**

1/PP1	WHITE	(PANTONE 485C)
2/PP2	RED	(PANTONE 294)
3/PP3	BLUE	(PANTONE 342)
4/PP4	GREEN	(PANTONE 116)
5/PP5	YELLOW	

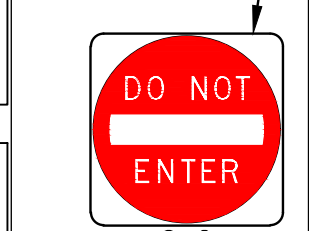
NOTE: TWO COAT APPLICATION REQUIRED FOR ALL PAVEMENT GRAPHICS.

**CUSTOM SIGNAGE COLORS**

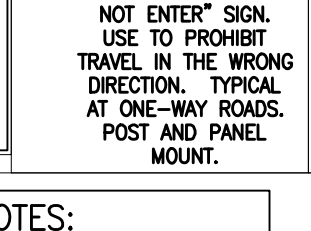
	Gloss Vinyl	Reflective Vinyl	Paint
C1 White	Scottical White 230-20	Scottical 280 White 280-10	Glass White Two part catalyst hardened acrylic enamel
C2 Black	Scottical Black 230-20 (Pantone Black)	Scottical Black 280-05	
C3 Yellow	Oracal GRAFQUE 001 GOLDEN YELLOW	Scottical TRANSLUCENT 013 YELLOW ORANGE (Color to match Amazon branding guidelines. Amazon orange: Pantone 137 U, Pantone 1373 C)	
C4 Gray	Scottical Medium Gray 230-31		Satin Finish Two part catalyst hardened acrylic enamel
C5 Red	Scottical Red 230-33 (Pantone 485C2X)	Scottical Red 280-72	
C6 Blue	Scottical Cobalt Blue (Pantone 288C)	Scottical Blue 230-75	



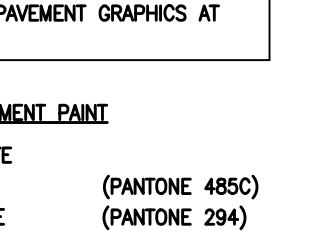
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S-2



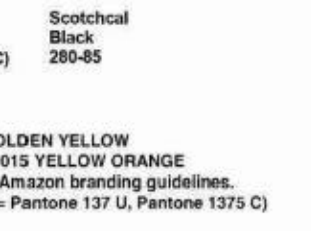
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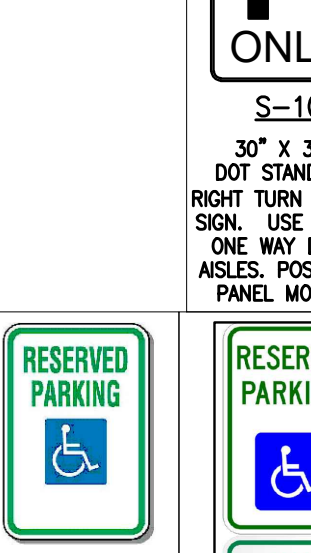
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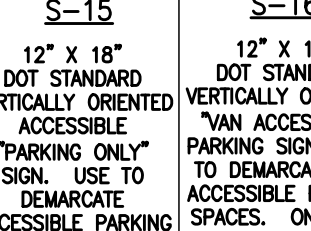
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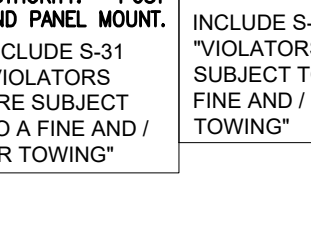
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S-10



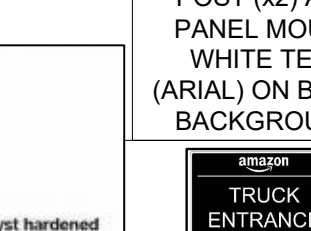
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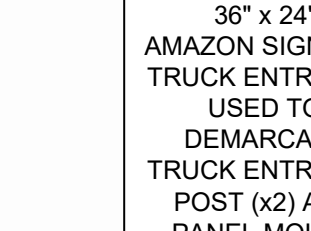
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S-31



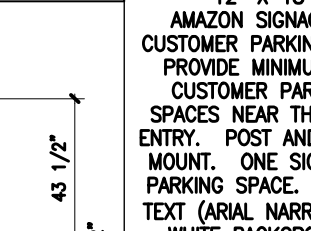
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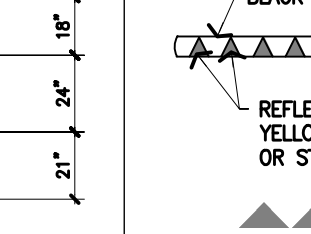
AS-5



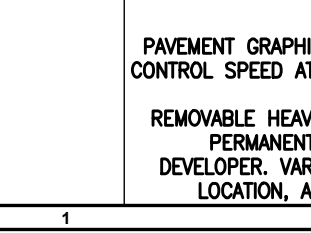
AS-6



AS-24



PG-16



AS-26

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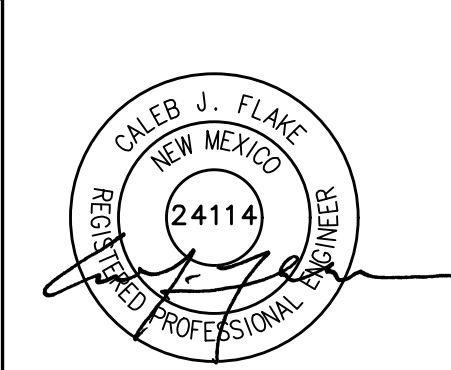
**Revisions**

NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE
6	11/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager: CJF  
Checked by: MVE  
Drawn by: ELM  
Document date: 04/17/2020  
Project No. 30000481 MEC# 191313-000  
Professional Seal



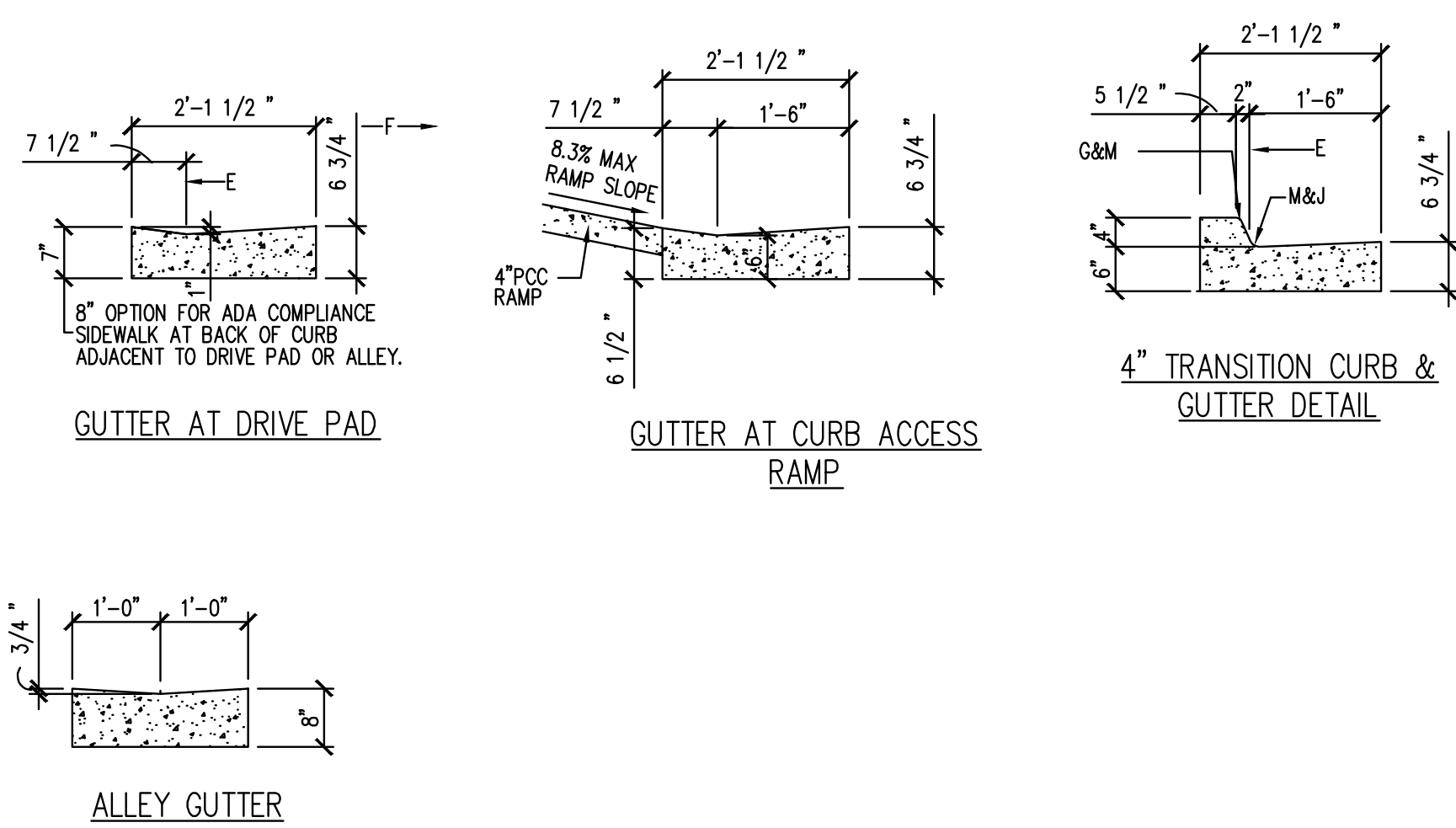
1-19-2021

Sheet Title  
**SIGNAGE & MARKING PLAN**

Sheet No. **C4.01**

BY: ENICQUEEN PLOT DATE: 1/20/2021 1:15 PM P:\191313-000\06-DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\191313-000 MARK.DWG

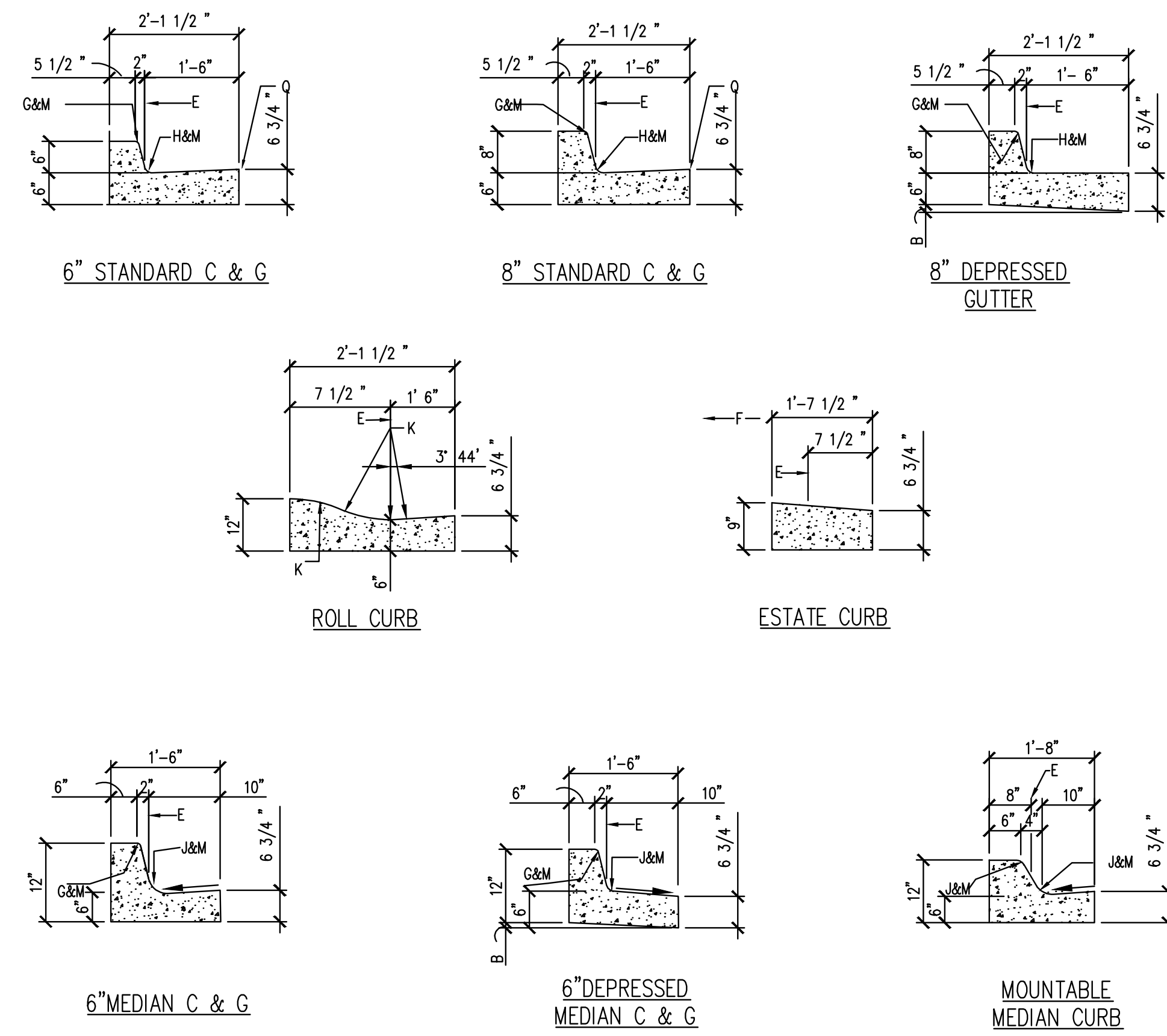
BY: ENCOQUEEN PLOT DATE: 2/9/2021 8:15 AM P:\191313-0006-DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\191313-000 DETL.DWG



**GENERAL NOTES**  
SEE COA DRAWING 2415A

**CONSTRUCTION NOTES**

- REQ. CONC. CHANNEL LINING, OR CUT-OFF WALL, PROVIDE 1/4" EXP JOINT BETWEEN BACK OF CURB & CHANNEL LINING AND/OR WALL.
- VARIABLE, DEPRESS AS NEEDED.
- DRIVE NO. 4 PINS 18" DEEP IN HOLES DRILLED @ 2" O.C. IN EXISTING PAVEMENT, SEAL WITH EPOXY.
- EXISTING ASPHALT CONCRETE (AC) OR PORTLAND CEMENT CONCRETE (PCC) PAVEMENT.
- FACE OF CURB/FLOW LINE.
- TRAFFIC SIDE.
- 3/4" RADIUS.
- 1-1/2" RADIUS.
- 2" RADIUS.
- 24" RADIUS.
- TACK COAT.
- DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
- NOT USED.
- 8" SCARIFIED AND COMPACTED SUBGRADE. 95% MINIMUM COMPACTION PER SECTION 301.
- AC PAVEMENT.
- #4 CONT. BETWEEN JOINTS 3" COVER AT JOINTS.
- #3 PINS @ 3'-0" O.C. W/STD. HOOK.

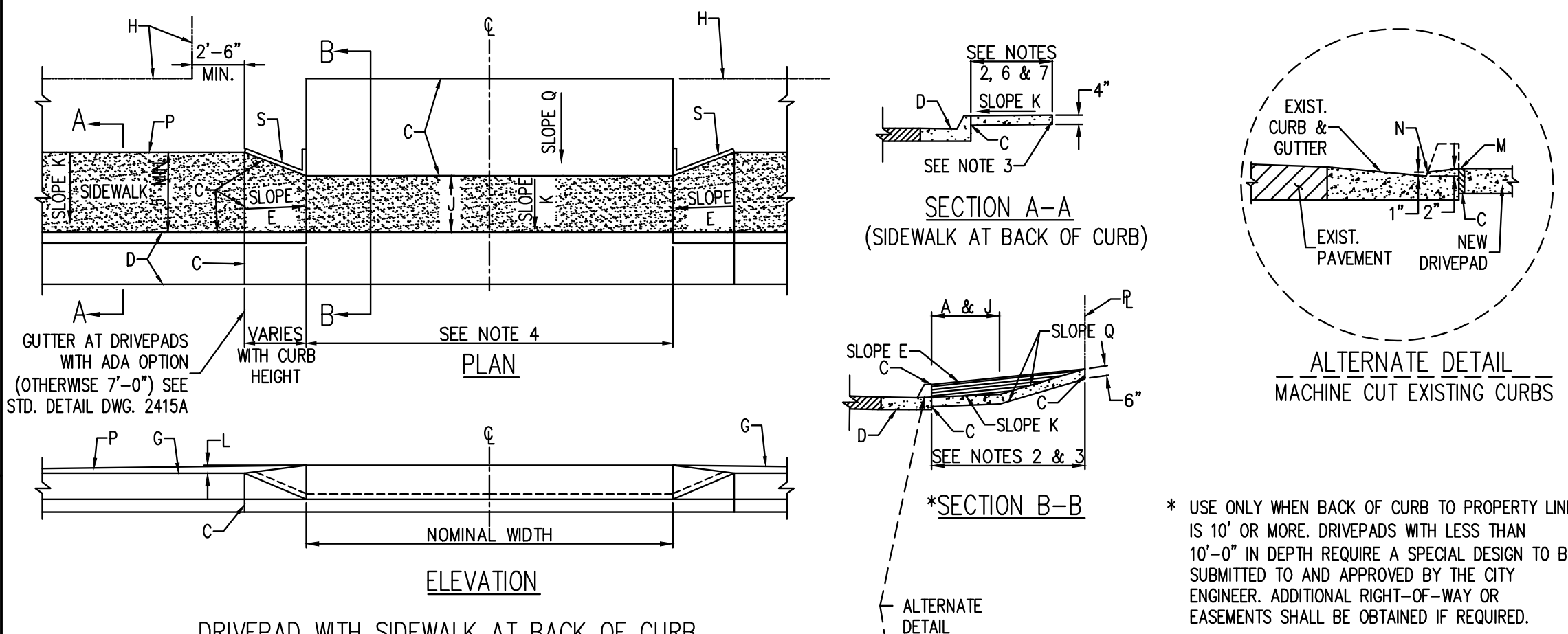


**GENERAL NOTES**

- CURB, GUTTER AND CUT-OFF WALL WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PCC).
- FOR STANDARD AND MEDIAN C & G ADJACENT TO ASPHALT CONCRETE (AC) PAVEMENT, PROVIDE CONTRACTION JOINTS AT 12' MAX. SPACING. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES. 1/2" EXPANSION JOINTS TO BE INSTALLED AT CURB RETURNS AND AT A MAXIMUM SPACING OF 200' BETWEEN CURB RETURNS AND SEPARATELY CONSTRUCTED DRIVEWAYS.
- FOR ALL OTHER C & G AND CUT-OFF WALL PROVIDE CONTRACTION JOINTS AT 10' MAX SPACING, 1/2" EXPANSION JOINTS AT CURB RETURNS & AT A MAXIMUM SPACING OF 100' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT ALL FINISHED FACES. REINFORCEMENT SHALL NOT BE USED IN CUT-OFF WALLS.
- FOR C & G CONSTRUCTED WITH PCC PAVEMENT, CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE THE SAME AS THE PAVEMENT JOINTS.
- ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
- REMOVE & REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING AC PAVEMENT.
- 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.
- ADA = AMERICANS WITH DISABILITY ACT.

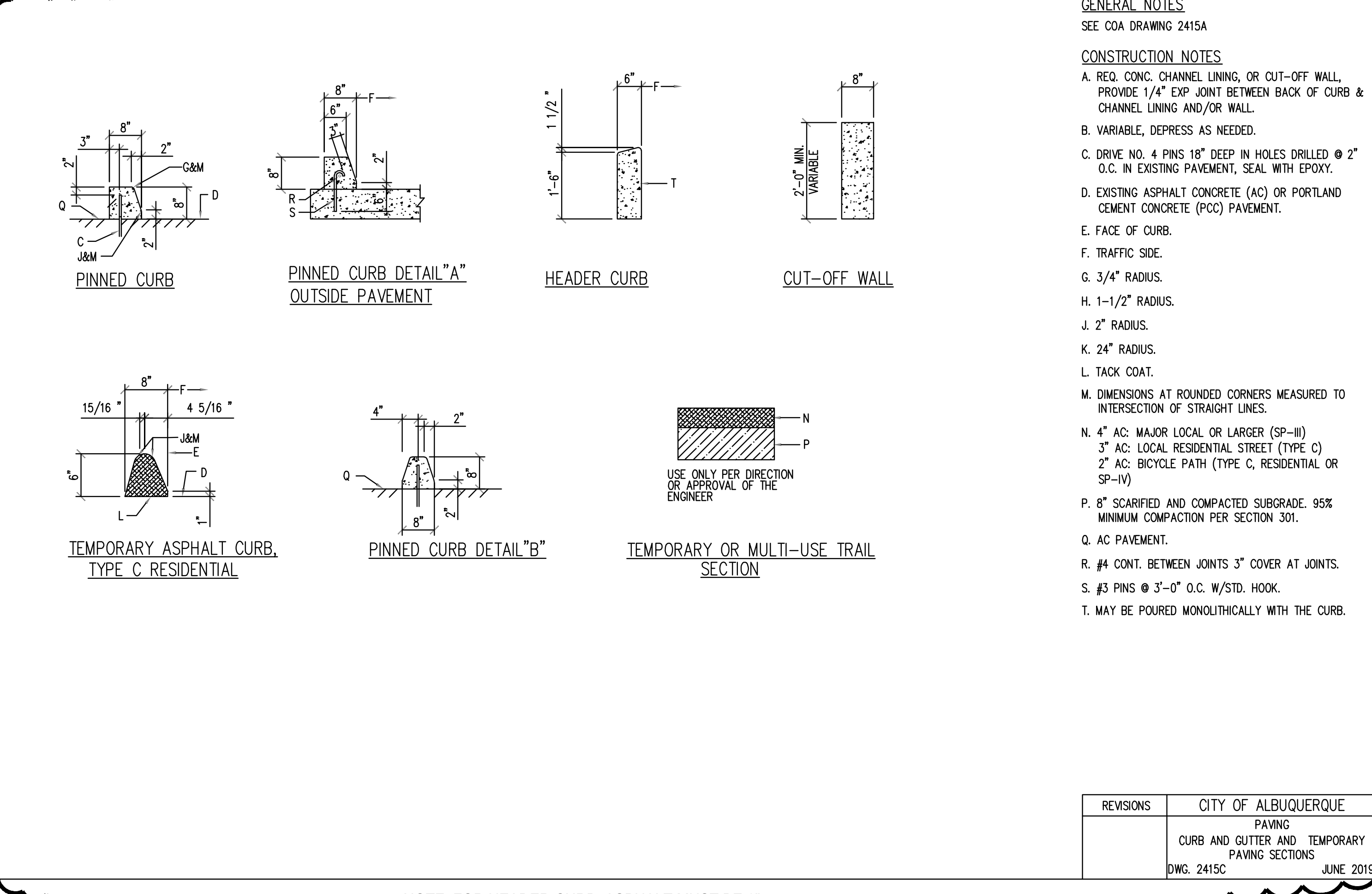
REVISIONS	CITY OF ALBUQUERQUE
	PAVING CURB AND GUTTER DETAILS DWG. 2415B JANUARY 2019

REVISIONS	CITY OF ALBUQUERQUE
	PAVING CURB AND GUTTER DETAILS DWG. 2415B JANUARY 2019



**GENERAL NOTES**

- DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE CITY ENGINEER AND/OR TRAFFIC ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
- REQUEST FOR SIDEWALK VARIANCES SHALL BE SUBMITTED TO THE DEVELOPMENT REVIEW BOARD.
- USE 1/2" EXP. JT. WHERE SIDEWALK OR DRIVEPAD ABUTS BLDGS, FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
- ALL DRIVEPADS SHALL BE A MIN. THICKNESS OF 6" AND SHALL BE CONSTRUCTED FROM BACK OF CURB TO P/L. FOR DRIVEWAY WIDTHS, CONSULT CHAPTER 7 OF THE DEVELOPMENT PROCESS MANUAL.
- DRIVEPADS WIDER THAN 18" (NOMINAL) SHALL HAVE A 1/2" EXP. JT. AT MIDPOINT. DRIVEPADS WIDER THAN 36" SHALL HAVE 2 OR MORE 1/2" EXP. JTS. EQUALLY SPACED, MAX. SPACING IS 18' APART.
- SIDEWALK AT THE BACK OF CURB SHALL BE USED ONLY WHEN VARIANCE IS APPROVED.
- FOR SIDEWALK WIDTH, CONSULT CHAPTER 7 OF THE DEVELOPMENT PROCESS MANUAL (4' MIN. WIDTH ON ACCESSIBLE ROUTE).
- SUBGRADE UNDER SIDEWALK & DRIVEPAD SHALL BE COMPACTED AS PER SECTION 301.
- ADA - AMERICANS WITH DISABILITIES ACT.



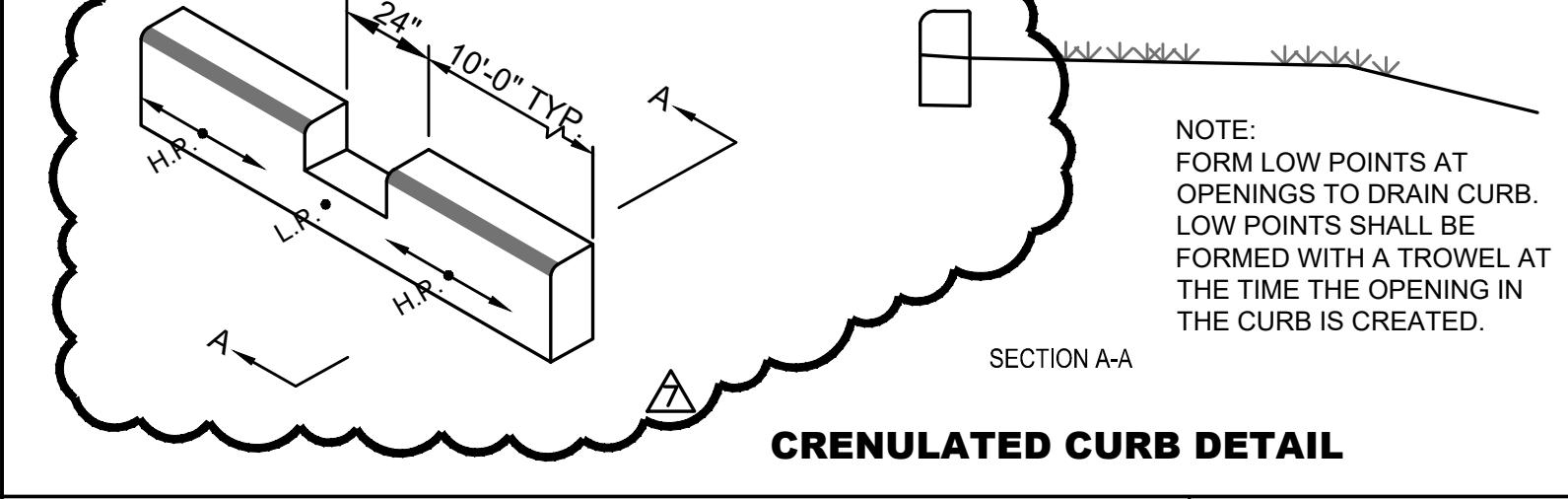
**GENERAL NOTES**  
SEE COA DRAWING 2415A

**CONSTRUCTION NOTES**

- REQ. CONC. CHANNEL LINING, OR CUT-OFF WALL, PROVIDE 1/4" EXP JOINT BETWEEN BACK OF CURB & CHANNEL LINING AND/OR WALL.
- VARIABLE, DEPRESS AS NEEDED.
- DRIVE NO. 4 PINS 18" DEEP IN HOLES DRILLED @ 2" O.C. IN EXISTING PAVEMENT, SEAL WITH EPOXY.
- EXISTING ASPHALT CONCRETE (AC) OR PORTLAND CEMENT CONCRETE (PCC) PAVEMENT.
- FACE OF CURB.
- TRAFFIC SIDE.
- 3/4" RADIUS.
- 1-1/2" RADIUS.
- 2" RADIUS.
- 24" RADIUS.
- TACK COAT.
- DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
- 4" AC: MAJOR LOCAL OR LARGER (SP-II)  
3" AC: LOCAL RESIDENTIAL STREET (TYPE C)  
2" AC: BICYCLE PATH (TYPE C, RESIDENTIAL OR SP-IV)
- 8" SCARIFIED AND COMPACTED SUBGRADE. 95% MINIMUM COMPACTION PER SECTION 301.
- AC PAVEMENT.
- #4 CONT. BETWEEN JOINTS 3" COVER AT JOINTS.
- #3 PINS @ 3'-0" O.C. W/STD. HOOK.
- MAY BE POURED MONOLITHICALLY WITH THE CURB.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING DRIVEPADS DWG. 2425A JUNE 2019

REVISIONS	CITY OF ALBUQUERQUE
	PAVING CURB AND GUTTER AND TEMPORARY PAVING SECTIONS DWG. 2415C JUNE 2019



NOTE: FORM LOW POINTS AT OPENINGS TO DRAIN CURB. LOW POINTS SHALL BE FORMED WITH A TROWEL AT THE TIME THE OPENING IN THE CURB IS CREATED.

NOTE: FOR HEADER CURB, ASPHALT MUST BE 6" BELOW TOP OF CURB.

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NO.	DATE	DESCRIPTION
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6	11/9/2021	EXTERIOR SITE REVISIONS
7	2/9/2021	RFI 27

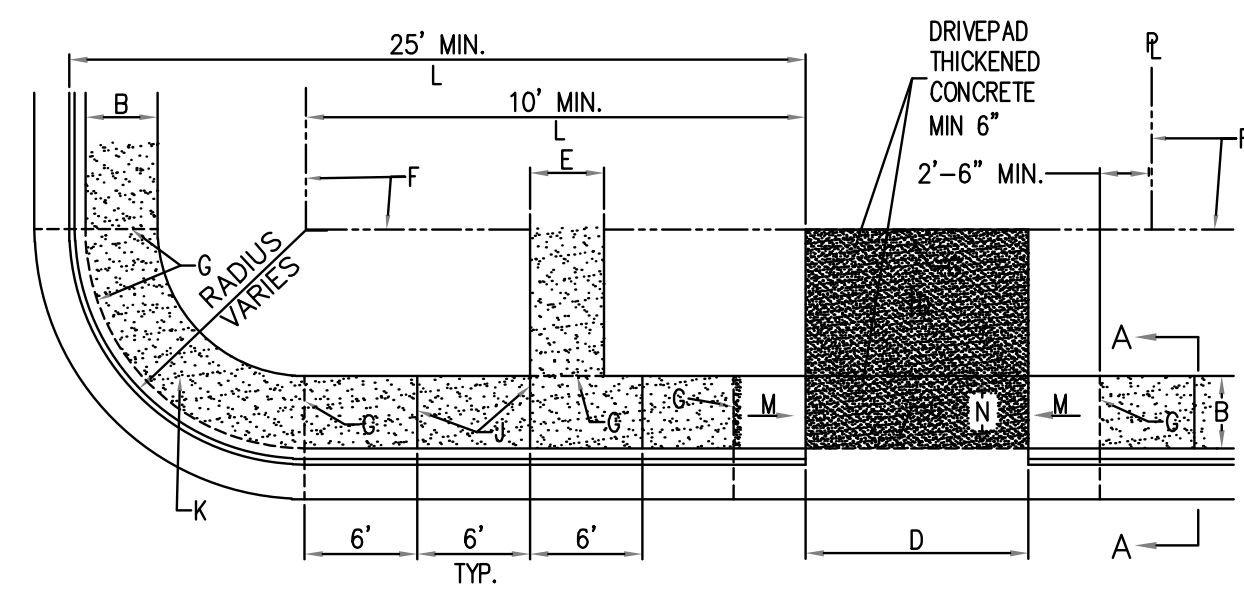
WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

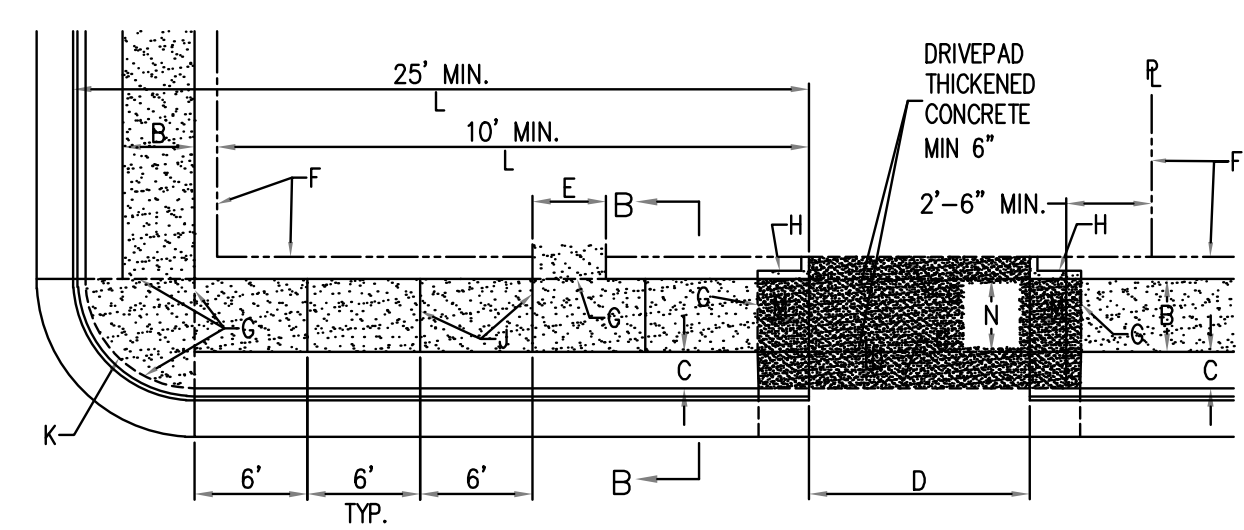
Project Manager:  
CJF  
Checked by:  
MVE  
Drawn by:  
ELM  
Document date:  
04/17/2020  
Project No.  
30000481 MEC# 191313-000  
Professional Seal

CALEB J. FLAKE  
NEW MEXICO  
24114  
REGISTERED PROFESSIONAL ENGINEER  
2/9/2021

Sheet Title  
DETAILS  
Sheet No.  
**C5.01**



SECTION A-A



SECTION B-B

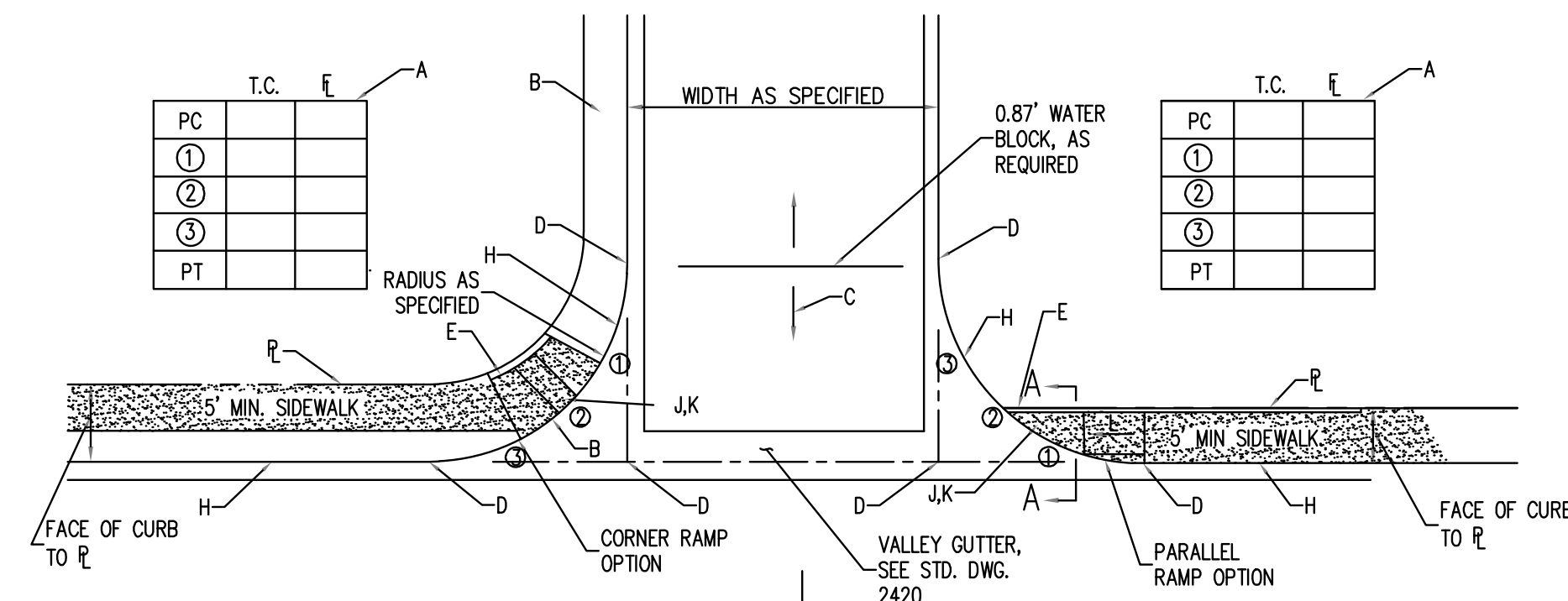
GENERAL NOTES

1. DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE CITY ENGINEER AND/OR CITY TRAFFIC ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. SUBGRADE UNDER SIDEWALKS AND DRIVEPADS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 301.
3. FOR SIDEWALKS LESS THAN 60" WIDE ON ACCESSIBLE ROUTE, PASSING SPACE AT LEAST 60" X 60" SHALL BE PROVIDED AT LEAST EVERY 200 FT.
4. GRATINGS LOCATED IN WALKING SURFACE SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN DIRECTION OF TRAVEL. IF OPENINGS ARE ELONGATED, LONG DIMENSION SHALL BE PLACED PERPENDICULAR TO DIRECTION OF TRAVEL.
5. ALONG THE ACCESSIBLE ROUTE, CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 2H:1V. CHANGES IN LEVEL GREATER THAN 1/2" REQUIRE A RAMP.
6. PROVIDE A MINIMUM SIDEWALK WIDTH OF 4' AROUND OBSTACLES FOR ADA ACCESS.
7. SEE COA STD DWG 2425A AND 2425B FOR DRIVEPAD DETAILS.

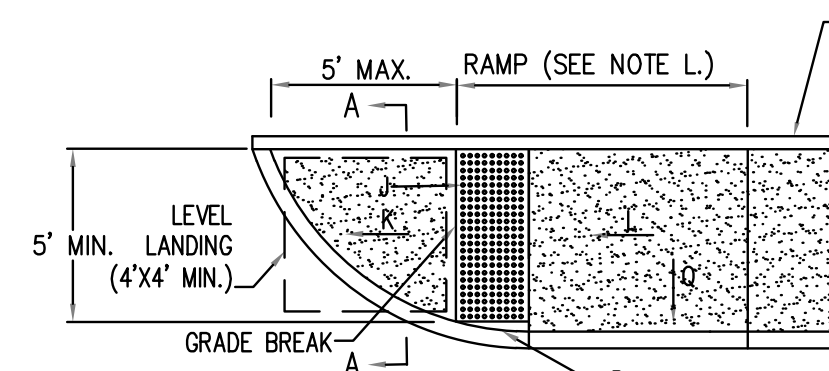
CONSTRUCTION NOTES

- A. SLOPE 2% MAX. 1.5% PREFERRED SLOPE.
- B. 5' MIN. SIDEWALK WIDTH. SIDEWALK WIDTH SHALL BE IN ACCORDANCE WITH CHAPTER 23 OF DEVELOPMENT PROCESS MANUAL.
- C. SETBACK TO BE DETERMINED BY AVAILABLE RIGHT-OF-WAY. SEE CHAPTER 7 OF DEVELOPMENT PROCESS MANUAL. ALSO SEE COA STD. DWG. 2414 FOR LANDSCAPE BUFFER.
- D. SEE DRIVEPAD DETAILS, DWG. 2425A AND 2425B.
- E. WALKWAY VARIABLE (4' MINIMUM).
- F. PROPERTY LINE.
- G. 1/2" EXPANSION JOINTS WHERE SIDEWALK OR DRIVEPAD ABUTS BUILDINGS, FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
- H. HEADER CURB OR INTEGRAL CURB AS REQUIRED TO MEET GRADE AT BACK OF SIDEWALK. SEE STD. DWG. 2415.
- J. CONTRACTION JOINTS.
- K. FOR CURB ACCESS RAMPS, SEE DWGS. 2440 THROUGH 2445.
- L. CHECK DIMENSION FROM BOTH PROPERTY LINE AND FLOW LINE. USE IN AREAS WHERE DRIVEPAD IS FARTHEST FROM INTERSECTION.
- M. RAMP AS REQUIRED TO MEET DRIVEPAD GRADE. 8.3% MAX. SLOPE, 7% PREFERRED SLOPE.
- N. ADA ACCESSIBLE PATHWAY. 2% MAX. CROSS-SLOPE. 1.5% PREFERABLE CROSS-SLOPE.

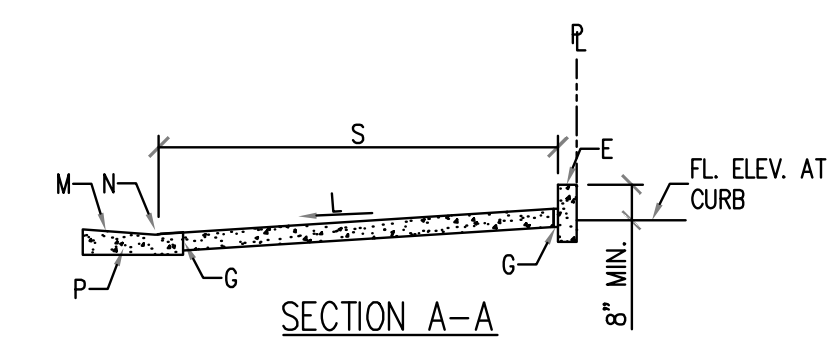
REVISIONS	CITY OF ALBUQUERQUE
	PAVING SIDEWALK DETAILS DWG. 2430 JUNE 2019



PRIVATE ENTRANCE



MINIMAL R.O.W. FOR SIDEWALK AT BACK OF CURB PARALLEL RAMP

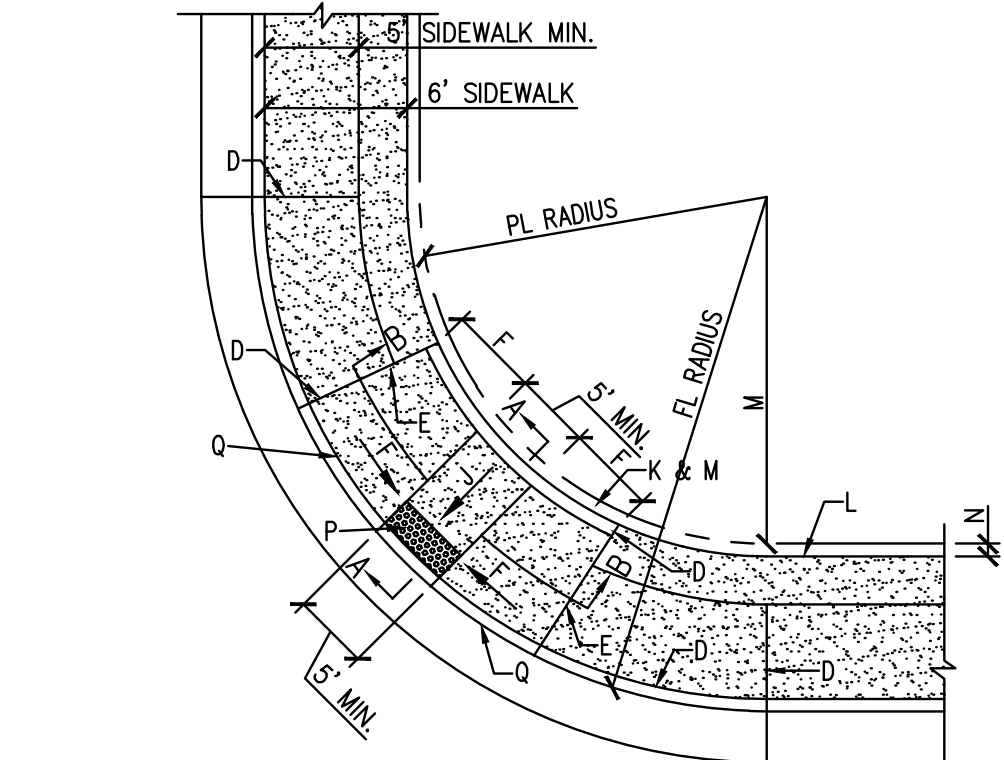


SECTION A-A

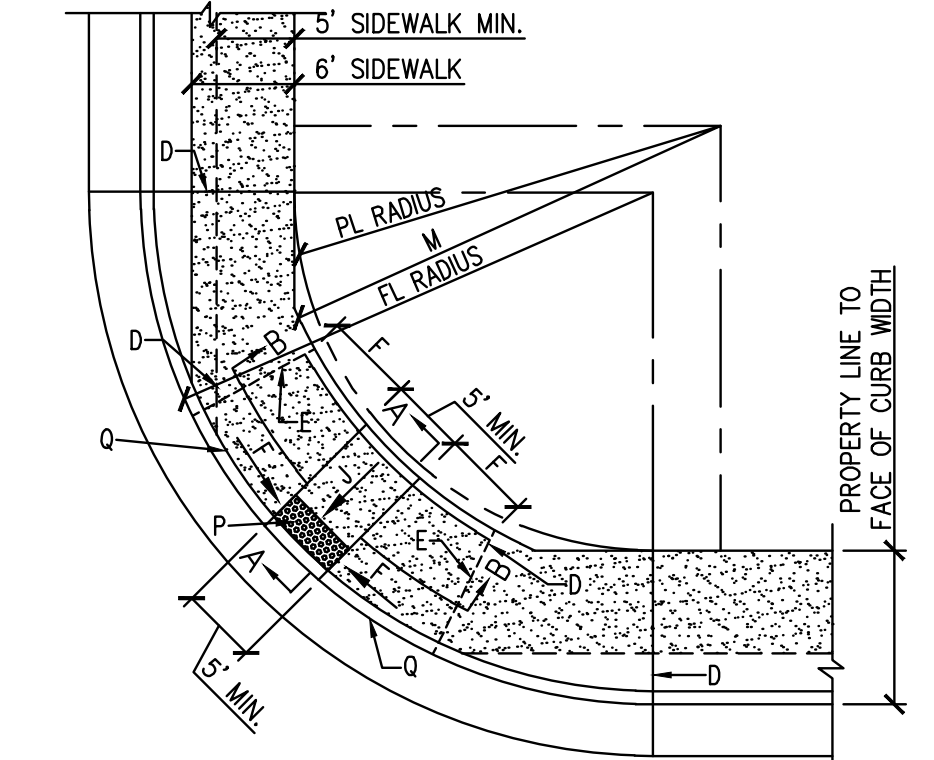
GENERAL NOTES

1. THESE DETAILS ARE PROVIDED FOR HIGH TRAFFIC VOLUME PRIVATE ENTRANCES SUCH AS ENTRANCES TO COMMERCIAL SITES, IN LIEU OF STANDARD DRIVE PAD PER CHAPTER 7 OF THE DEVELOPMENT PROCESS MANUAL.
  2. SEE STD. DWGS. 2441 TO 2445 FOR ALTERNATE CURB ACCESS RAMP DETAILS. SEE DETAIL 2446 FOR DETECTABLE WARNING DEVICE DETAILS.
- CONSTRUCTION NOTES
- A. INCLUDE QUARTER POINT ELEVATIONS. SEE STD. DETAIL DWG. 2420. SEE LOCATION FOR QUARTER POINTS ON PLAN VIEW BELOW.
  - B. WHERE INTERIOR SIDEWALK CONNECTION IS TO BE PROVIDED - CONSTRUCT CURB ACCESS RAMPS PER STD. DETAIL DWGS. 2440 - 2445.
  - C. INITIAL GRADE TO BE 4% OR LESS WHEN CONNECTING TO COLLECTOR OR ARTERIAL STREETS. 6% OR LESS WHEN CONNECTING TO LOCAL STREETS. INCLUDE A 4-FOOT WIDE ADA ACCESSIBLE PATHWAY ACROSS ENTIRE WIDTH OF PRIVATE ENTRANCE.
  - D. INCLUDE ELEVATIONS AT EACH END OF CURB RETURN AND INTERSECTIONS OF PROJECTED FLOWLINES. SEE STD. DWG. 2420.
  - E. AT PROPERTY LINE, CONSTRUCT HEADER CURB. SEE STD. DWG. 2415B AND SECTION A-A, THIS SHEET.
  - F. IF SIDEWALK IS AGAINST CURB, THE SIDEWALK SHOULD BE TRANSDITIONED TO KEEP THE CURB ACCESS RAMP IN THE LOCATION SHOWN.
  - G. 1/2" EXPANSION JOINT.
  - H. THEORETICAL FACE OF CURB OR FLOWLINE.
  - J. DETECTABLE WARNING DEVICES FOR DRIVE ENTRANCES ≥30 FEET BETWEEN FACES OF CURB (SEE STD. DWG. 2446 FOR PLACEMENT DETAILS).
  - K. LEVEL LANDING (2% MAXIMUM SLOPE).
  - L. 8.3% MAXIMUM SLOPE, 7% PREFERRED SLOPE.
  - M. SLOPE OF GUTTER NOT TO EXCEED 2% ADJACENT TO RAMP.
  - N. FLUSH WITH RAMP AND GUTTER.
  - P. CURB AND GUTTER (SEE STD. DWG. 2415 - GUTTER AT CURB ACCESS RAMP).
  - Q. 2% MAXIMUM CROSS-SLOPE. 1.5% PREFERRED CROSS-SLOPE.
  - R. NOT USED.
  - S. VARIES WITH AVAILABLE RIGHT-OF-WAY.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING PRIVATE ENTRANCE DETAILS- ILLUSTRATING TWO R/W CONDITIONS DWG. 2426 JUNE 2019



DETAIL A MINIMAL R.O.W. FOR SIDEWALK AT BACK OF CURB PERPENDICULAR RAMP



DETAIL B ADEQUATE R.O.W. FOR SETBACK SIDEWALK ADJACENT TO P PERPENDICULAR RAMP

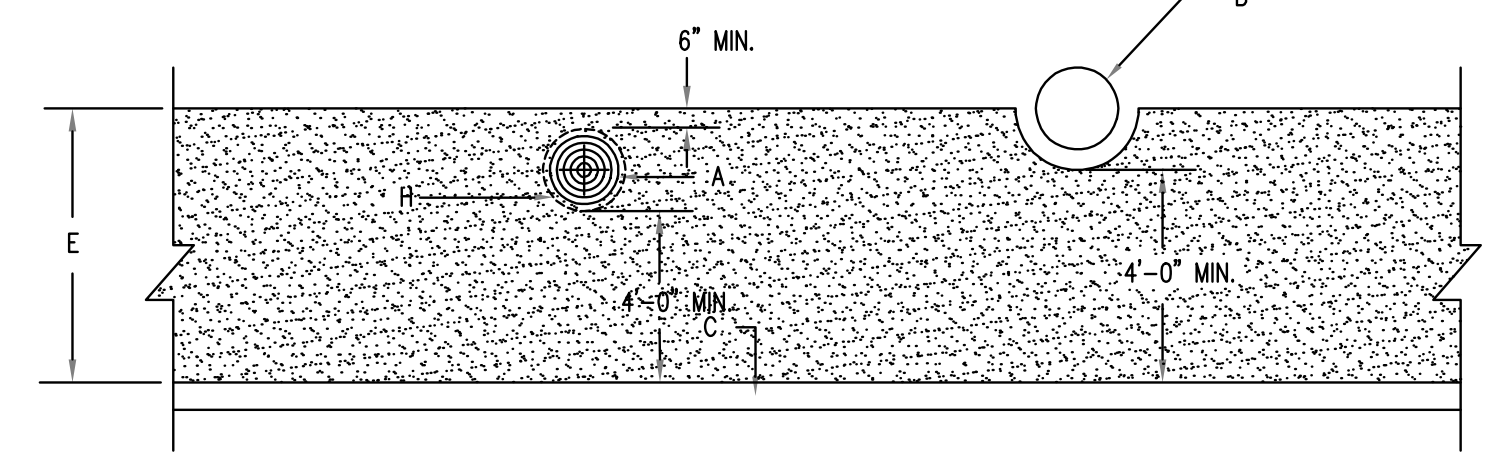
GENERAL NOTES

1. CURB ACCESS RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF THE RETURN OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
2. WHEN MODIFYING ONE QUADRANT OF AN INTERSECTION TO IMPROVE ACCESSIBILITY, MODIFY THE REMAINING QUADRANTS SO THAT ALL QUADRANTS OF THE INTERSECTION COMPLY WITH ADA (PROWAG) REGULATIONS AS SHOWN ON PLANS.
3. SURFACE TEXTURE OF CURB ACCESS RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH .0625"), TRANSVERSE TO THE SLOPE OF THE RAMP.
4. GUTTER FLOW-LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP. DRAINAGE CATCH BASIN STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS.
5. WIDTH OF SIDEWALK AND RAMP MUST BE MAINTAINED AT A MINIMUM OF 5'-0" THROUGH ENTIRE RAMP LENGTH.

CONSTRUCTION NOTES

- A. SLOPE OF GUTTER NOT TO EXCEED 2% ADJACENT TO RAMP. 1.5% PREFERRED.
- B. FLUSH WITH RAMP AND GUTTER.
- C. CURB AND GUTTER (SEE STD. DWG. 2415 - GUTTER AT CURB ACCESS RAMP).
- D. 1/2" EXPANSION JOINT.
- E. RADIAL LINES - TOP AND BOTTOM OF RAMP.
- F. 8.3% MAX. SLOPE OF RAMP, 7% PREFERRED SLOPE OF RAMP.
- G. CONTRACTION JOINT.
- H. VARIES WITH AVAILABLE R.O.W.
- J. 2% MAXIMUM CROSS-SLOPE. 1.5% PREFERRED CROSS-SLOPE.
- K. HEADER CURB, SEE DWG. 2415C.
- L. BACK OF SIDEWALK.
- M. BACK OF SIDEWALK RADIUS TO BE ESTABLISHED SO AS TO MAINTAIN A 5'-0" RAMP WIDTH (MINIMUM) THROUGHOUT. SEE STD. DWG. 2440 (NOTE 6) IF LESS THAN 5'-0" IS AVAILABLE DUE TO UNRESOLVABLE CONSTRAINTS.
- N. 4-1/2" MAX.
- P. DETECTABLE WARNINGS (SEE STD. DWG. 2446).
- Q. CURB TO MATCH SLOPE OF SIDEWALK.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING CORNER ACCESS RAMP DWG. 2441 JUNE 2019



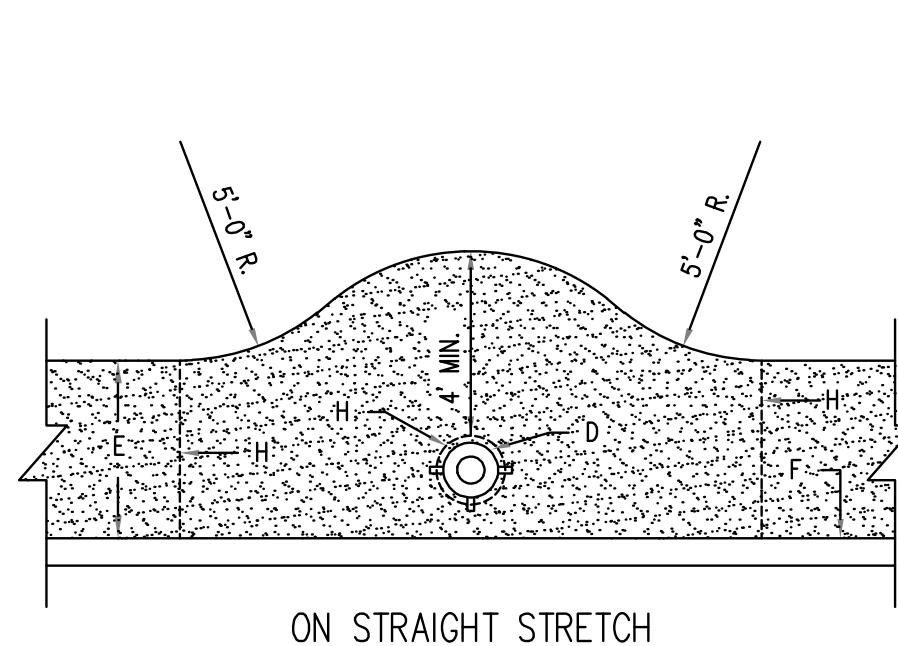
UTILITY POLE OR TREE OBSTRUCTION

GENERAL NOTES

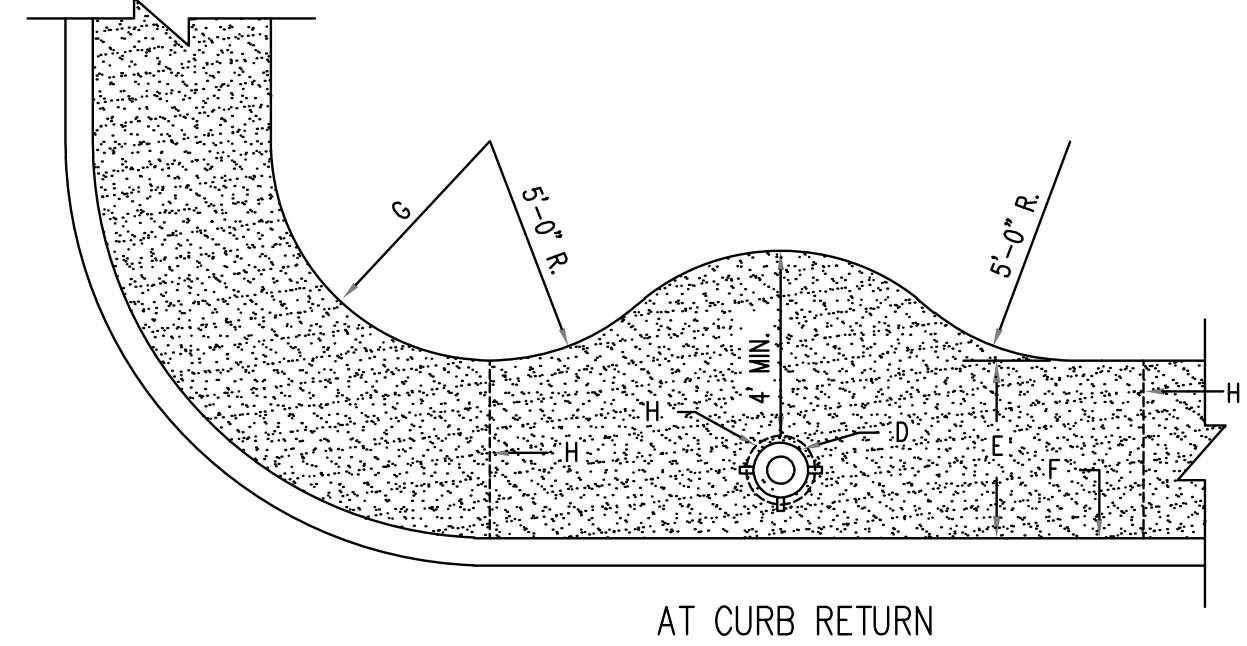
1. FOR SIDEWALK CONSTRUCTION DETAILS, SEE CONSTRUCTION NOTE B, DWG. 2430.
2. USE WHERE AVAILABLE R/W EXISTS, TO BE DETERMINED BY THE ENGINEER.
3. PROVIDE 1/2" PREFORMED EXPANSION JOINT MATERIAL AROUND ALL POWER POLES AND FIRE HYDRANTS WITHIN THE SIDEWALK AREA.
4. PUBLIC SIDEWALK EASEMENT MAY BE REQUIRED IN RESTRICTED ROW SITUATIONS.

CONSTRUCTION NOTES

- A. UTILITY POLE OR OTHER OBSTRUCTION.
- B. LEAVE 6" CLEARANCE ALL AROUND TREE TRUNK.
- C. TOP OF CURB.
- D. FIRE HYDRANT.
- E. 5' MIN. SIDEWALK WIDTH.
- F. BACK OF CURB.
- G. EXTERIOR EDGE OF SIDEWALK TO BE TANGENT TO ARCS.
- H. 1/2" EXPANSION JOINT MATERIAL.



ON STRAIGHT STRETCH



AT CURB RETURN

4'-0" SIDEWALK ENCLOSING A FIRE HYDRANT

REVISIONS	CITY OF ALBUQUERQUE
	PAVING SIDEWALK OBSTRUCTIONS DWG. 2431 JUNE 2019

BY: ENCOQUEEN PLOT DATE: 1/20/2021 1:16 PM P:\191313-0006-DRAWINGS\CIVIL\CONSTRUCTION DOCUMENTS\191313-000 DETL.DWG



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NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE
6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
CJF  
Checked By:  
MVE  
Drawn by:  
ELM  
Document date:  
04/17/2020  
Project No.  
3000481 MEC# 191313-000  
Professional Seal



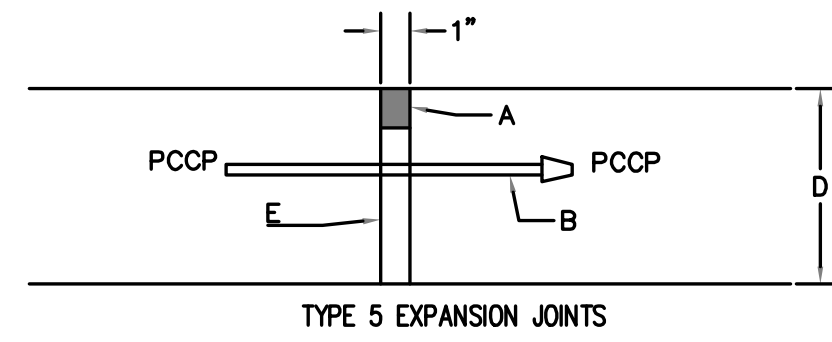
1-19-2021

Sheet Title  
DETAILS

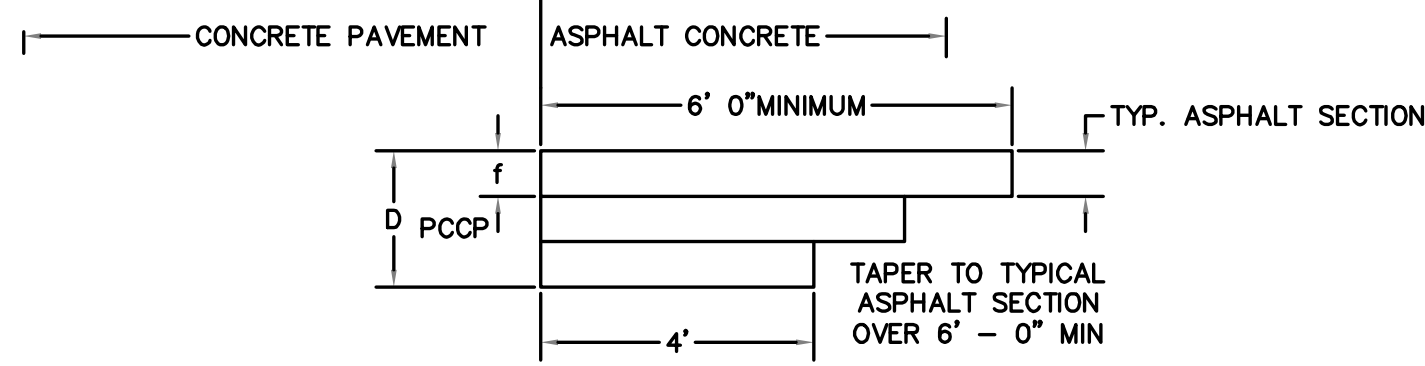
Sheet No.

C5.02

JOINT DIMENSION								
D	a	b	c	d	e	TRANS. JOINT		g
						f-min	f-min	
5"	1"	1 - 3/4"	1 - 1/2"	1"	2"	1/4 D	1/3 D	1/2 D
6"	1"	2 - 1/4"	1 - 1/2"	1"	2 - 1/2"	1/4 D	1/3 D	1/2 D
8"	1"	3"	2"	1 - 1/2"	3 - 1/4"	1/4 D	1/3 D	1/2 D



TYPE 5 EXPANSION JOINTS

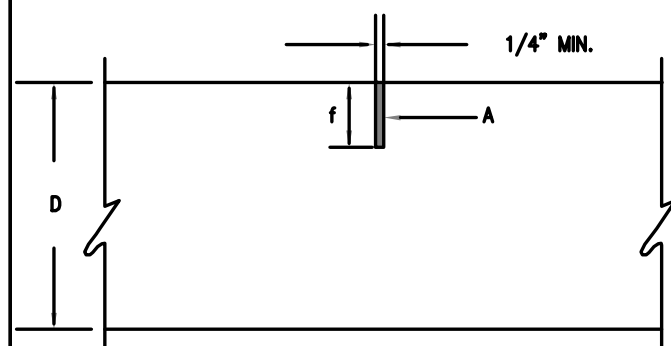


TYPE 6 TRANSITION JOINT  
CONCRETE TO ASPHALT

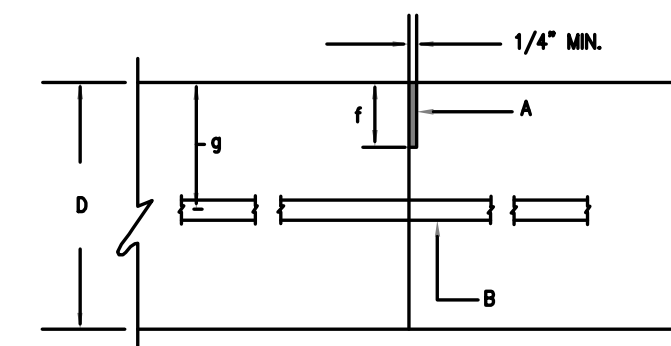
**GENERAL NOTES**  
1. THICKNESS OF SLAB SHALL BE AS INDICATED ON DRAWINGS. SEE TABLE ABOVE.  
2. DAILY CONCRETE PLACEMENT SHALL TERMINATE AT A JOINT.

**CONSTRUCTION NOTES**  
A. JOINT FILLER, INSTALL PER MANF. INSTR. OVER BACK ROD OR JOINT TAPE.  
B. 3/4" DIA 16" SMOOTH DOWEL BAR @ 12" O.C., 1/2 GREASED 1/2 PAINTED.  
C. NO.4 DEFORMED BARS, 3' - 0" LONG AT 2' - 0" O.C.  
D. THICKNESS OF SLABS.  
E. COMPRESSIBLE FILLER FULL HEIGHT.

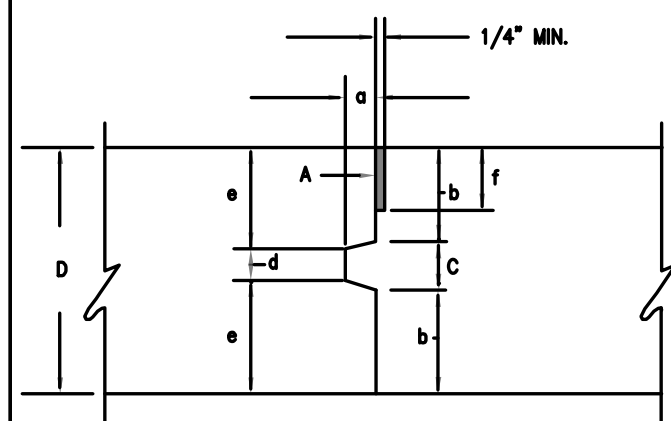
REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	CONCRETE JOINTS TYPES 5& 6
	DWG. 2451 JUNE 20



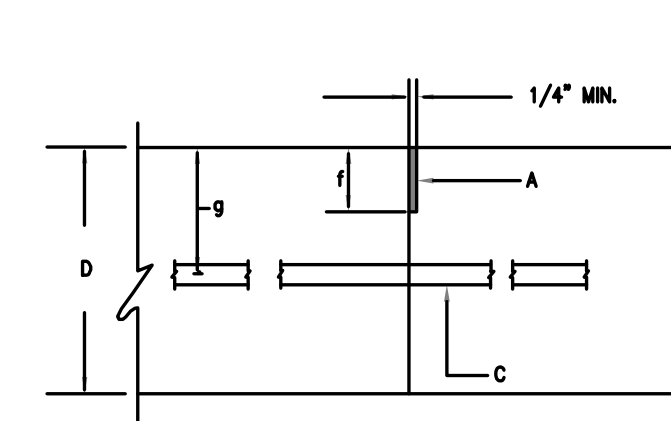
TYPE 1  
SAWED JOINT  
(LONGITUDINAL OR TRANSVERSE)



TYPE 2  
CONSTRUCTION JOINT  
(TRANSVERSE)



TYPE 3  
CONSTRUCTION JOINT  
(LONGITUDINAL)



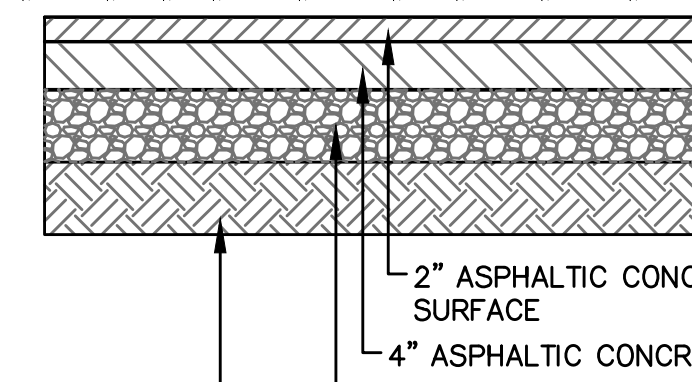
TYPE 3 ALTERNATE  
CONSTRUCTION JOINT  
(LONGITUDINAL)

**GENERAL NOTES:**  
1. THICKNESS OF SLAB SHALL BE AS INDICATED ON DRAWINGS.

JOINT DIMENSIONS								
D	a	b	c	d	e	f		g
						min.	min.	
5"	1"	1 3/4"	1 1/2"	1"	2"	1/4 D	1/3 D	1/2 D
6"	1"	2 1/4"	1 1/2"	1"	2 1/2"	1/4 D	1/3 D	1/2 D
8"	1"	3"	2"	1 1/2"	3 1/4"	1/4 D	1/3 D	1/2 D

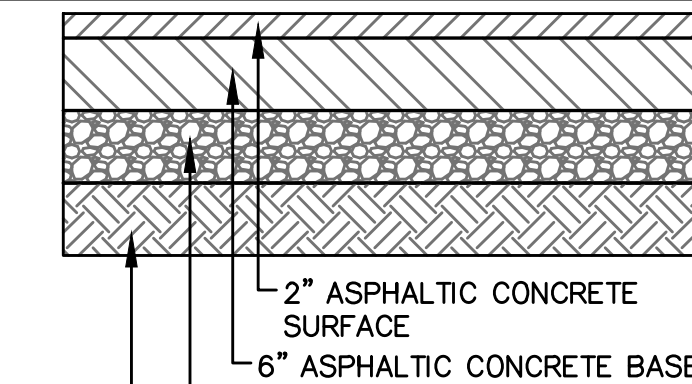
**CONSTRUCTION NOTES:**  
A. JOINT FILLER, INSTALL PER MANF. INSTR.  
B. NO.4 DEFORMED BARS, 3'-0" LONG AT 2'-0" O.C.  
C. NO.4 DEFORMED BARS, 3'-0" LONG AT 5'-0" O.C.  
D. THICKNESS OF SLAB.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	CONCRETE JOINTS
	DWG 2450 JUNE 2019



ALL ASPHALT, AGGREGATE BASE AND COMPACTION REQUIREMENT SHALL ADHERE TO THE CITY OF ALBUQUERQUE REQUIREMENTS.

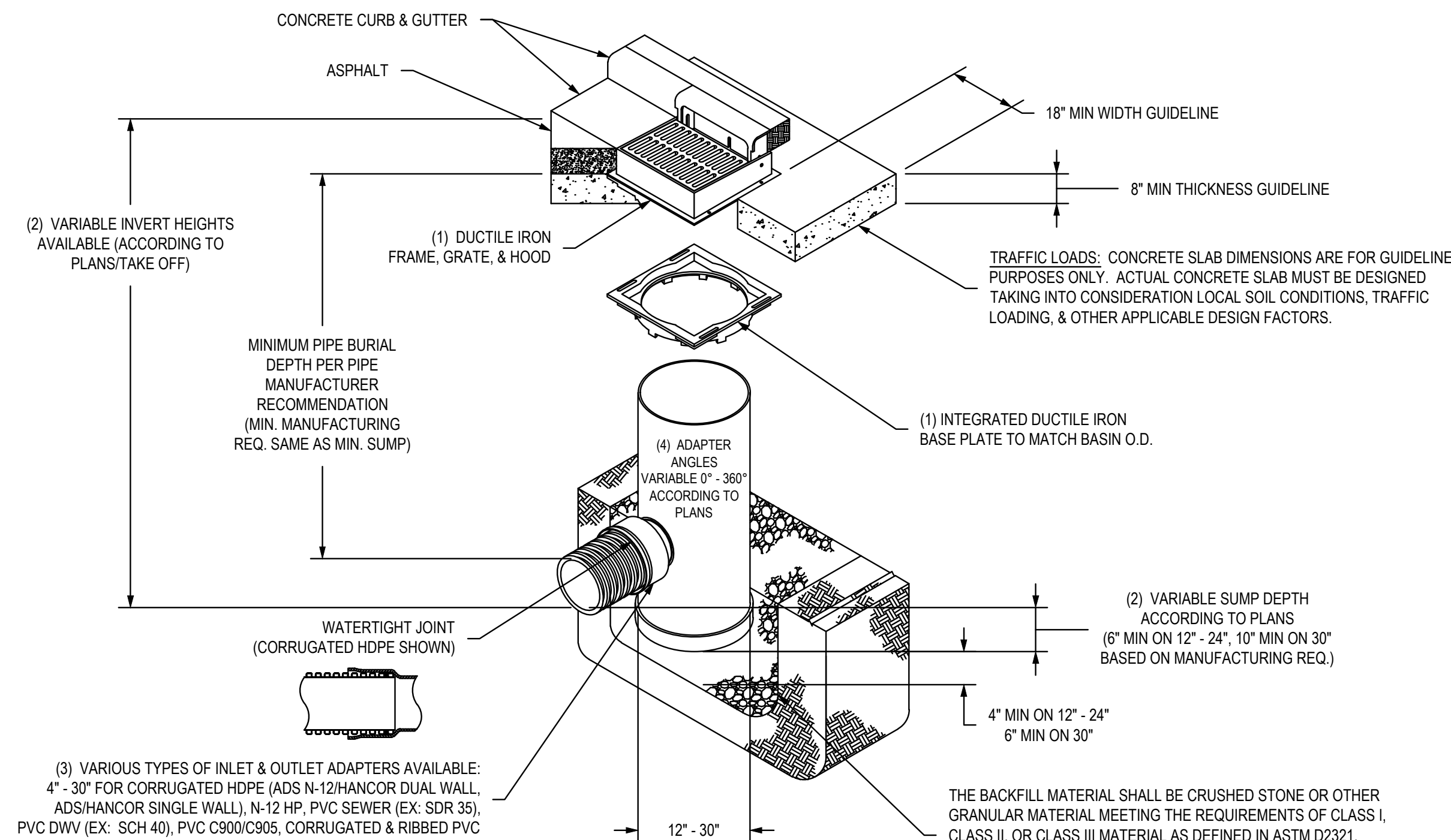
**LIGHT DUTY  
ASPHALT  
PAVEMENT DETAIL**



ALL ASPHALT, AGGREGATE BASE AND COMPACTION REQUIREMENT SHALL ADHERE TO THE CITY OF ALBUQUERQUE REQUIREMENTS.

**HEAVY DUTY  
ASPHALT  
PAVEMENT DETAIL**

**NYLOPLAST 2 FT X 2 FT CURB INLET STRUCTURE: 30 \_\_ AGS \_\_ X**



- 12" - 30" FRAMES, GRATES, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
- DRAINAGE CONNECTION SUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, N-12 HP, & PVC SEWER (4" - 24").
- ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
- ALL CURB INLET GRATE OPTIONS (STANDARD & DIAGONAL) SHALL MEET H-20 LOAD RATING.

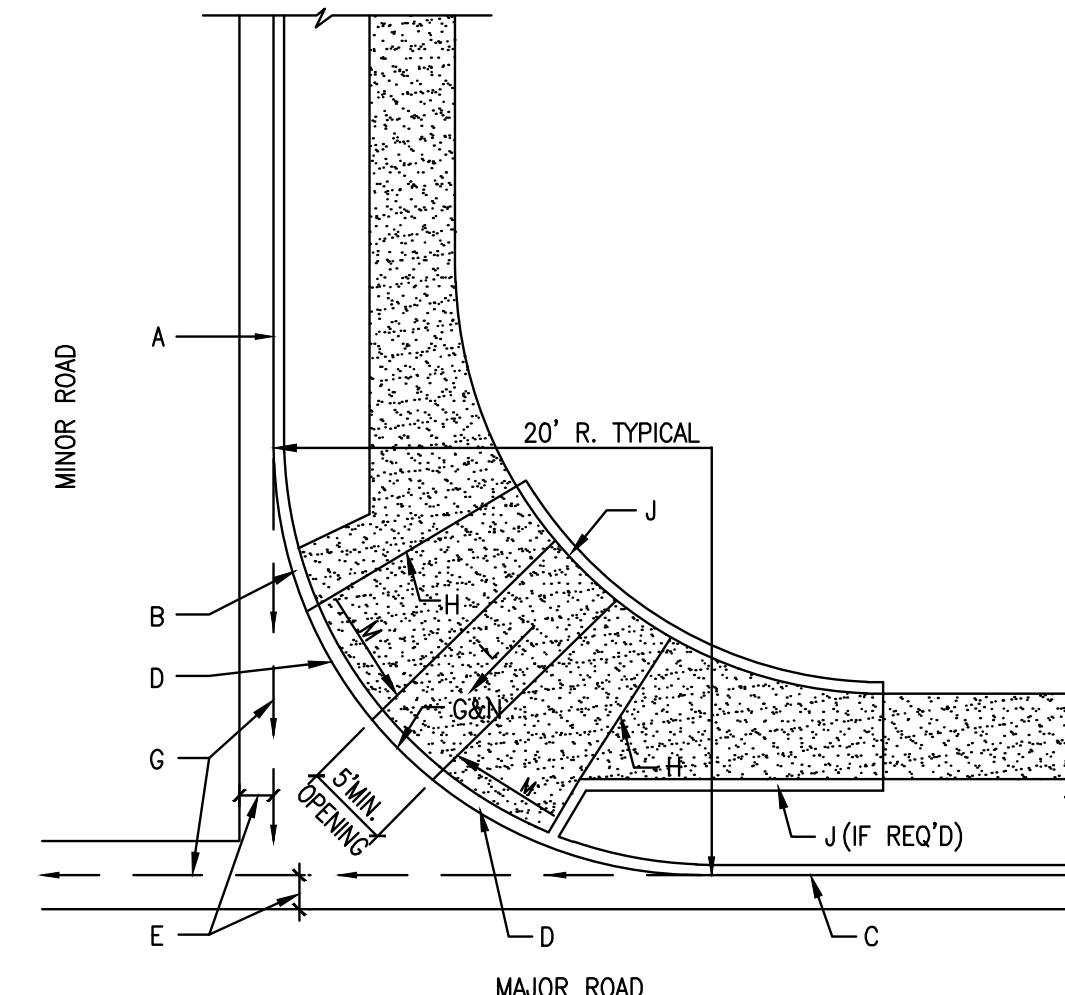
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DRAWN BY	EBC	MATERIAL
DATE	01-23-06	
REVISED BY	NMH	PROJECT NO./NAME
DATE	03-10-16	
DWG SIZE	A	SCALE 1:50 SHEET 1 OF 1

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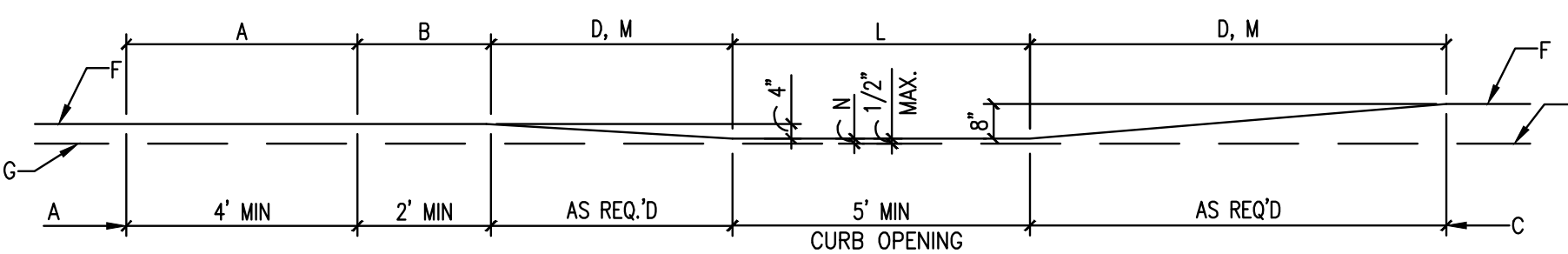
TITLE  
DRAIN BASIN WITH 2 FT X 2 FT CURB INLET  
QUICK SPEC INSTALLATION DETAIL

DWG NO. 7002-110-032 REV H



RESIDENTIAL SUBDIVISIONS TRANSITION FROM  
STANDARD CURB TO MOUNTABLE CURB

(SEE NOTE 5 - DWG. 2440)



PROFILE AT BACK OF CURB

**GENERAL NOTES**  
1. SEE SHEET 2415B FOR 4" CURB AND GUTTER DETAIL.  
2. ENGINEER SHALL PROVIDE ADDITIONAL DETAIL AND DESIGN FOR SITE SPECIFIC CONDITIONS AS NEEDED.

**CONSTRUCTION NOTES**

- ROLL CURB & GUTTER.
- END OF SLOPED CURB BEFORE TRANSITION.
- STANDARD CURB & GUTTER.
- SLOPED CURB FLUSH WITH RAMP (12:1 MAX. SLOPE).
- PER PLAN OR DETAIL.
- TOP OF CURB PROFILE (AT BACK OF CURB).
- FLOWLINE.
- 1/2" EXPANSION JOINT.
- HEADER CURB, SEE STD. DWG. 2441 & 2415, MAY BE INTEGRAL CURB WITH RAMP.
- (SEE ALTERNATE SECTION A-A ON STD. DWG. 2441.)
- 50:1 MAX SLOPE ALL DIRECTIONS.
- 12:1 MAX SLOPE.
- ACCESS RAMP FLUSH WITH FILLET PER ADA STANDARDS. (1/4" VERTICAL MAX. OR 1/2" WITH 1/4" SLOPED AT 45°)
- 3/4" RADIUS.
- 2" RADIUS.
- DIMENSION AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	MOUNTABLE TO STANDARD CURB TRANSITION
	DWG. 2418 JUNE 2019



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Consultants



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NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE
6	11/9/2021	EXTERIOR SITE REVISIONS
7	2/9/2021	RFI 27

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
7300 Meridian Pl NW  
Albuquerque, NM 87121

Project Manager:  
CJF  
Checked by:  
MVE  
Drawn by:  
ELM  
Document date:  
04/17/2020

Project No.  
30000481 MEC# 191313-000

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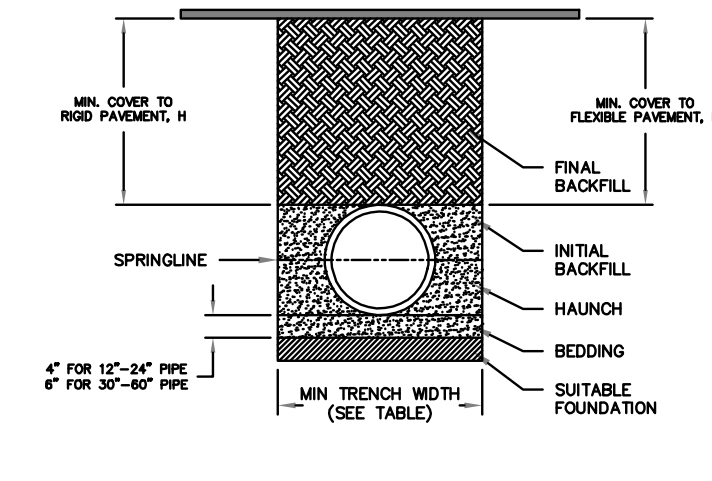
2/9/2021

Sheet Title  
DETAILS

Sheet No.

C5.03

**HP STORM TRENCH INSTALLATION DETAIL**



- NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2221. STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST EDITION, WITH THE EXCEPTION THAT THE INITIAL BACKFILL MAY EXTEND TO THE CROWN OF THE PIPE. SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2221. CLASS III MATERIALS (IN CASES OF PREVIOUS VERSIONS OF ASTM D2221) ARE NOT APPROPRIATE BACKFILL MATERIALS.
  2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
  3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
  4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. CONSTRUCTION SHALL BE WITH OR MAXIMUM DENSITY PER ASTM D1557 OR AS SHOWN ON THE PLAN. USES OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12" (300mm) DIAMETER PIPE, 6" (150mm) FOR 18" (450mm) DIAMETER PIPE, AND 8" (200mm) FOR 24" (600mm) DIAMETER PIPE.
  5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF THE PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 90% OF MAXIMUM DENSITY PER ASTM D1557. CLASS IV MATERIALS AS DEFINED IN ASTM D2221 ARE NOT APPROPRIATE BACKFILL MATERIALS.
  6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) 12" (300mm) ABOVE FINISH GRADE. CLASS III MATERIALS COMPACTED TO 90% SFC AND CLASS II COMPACTED TO 90% SFC IS REQUIRED. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" (300mm) UP TO 10" (250mm) DIAMETER PIPE AND 12" (300mm) FOR 12" (300mm) DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO BOTTOM OF RIGID PAVEMENT.
  7. FOR ADDITIONAL INFORMATION SEE TECHNICAL NOTE 2.04.

TABLE 1. RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA. (IN)	MIN. TRENCH WIDTH (IN)
4"	30"
6"	36"
8"	42"
10"	48"
12"	54"
15"	66"
18"	78"
24"	96"
30"	120"
36"	144"
42"	168"
48"	192"
60"	240"
72"	288"
96"	384"

TABLE 2. MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

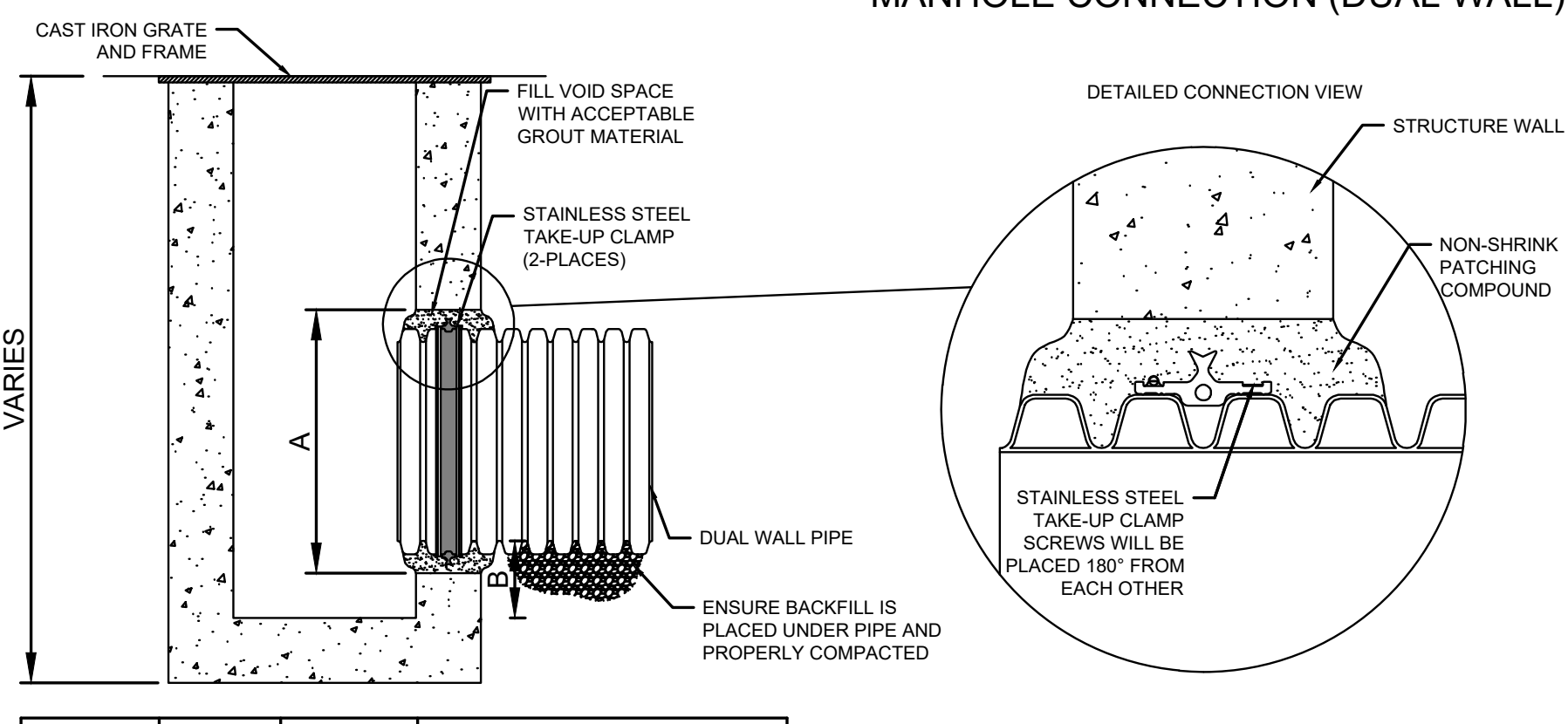
PIPE DIA. (IN)	H-25 SURFACE LIVE LOADING CONDITION (75% AXLE LOAD) *	HEAVY CONSTRUCTION (75% AXLE LOAD) *
12"	12"	18"
15"	15"	22"
18"	18"	27"
24"	24"	36"
30"	30"	45"
36"	36"	54"
42"	42"	63"
48"	48"	72"
60"	60"	90"
72"	72"	108"
96"	96"	144"

TABLE 3. MAXIMUM COVER FOR PIPE BOTTOMS

PIPE DIA. (IN)	CLASS I			CLASS II			CLASS III		
	COMPACTED	DUMPED	95% SFC	COMPACTED	DUMPED	95% SFC	COMPACTED	DUMPED	95% SFC
4"	37	18	25	18	18	18	18	18	18
6"	44	20	29	20	20	20	20	20	20
8"	51	22	34	22	22	22	22	22	22
10"	58	24	39	24	24	24	24	24	24
12"	65	26	44	26	26	26	26	26	26
15"	79	31	53	31	31	31	31	31	31
18"	93	36	62	36	36	36	36	36	36
24"	111	42	75	42	42	42	42	42	42
30"	129	48	88	48	48	48	48	48	48
36"	147	54	101	54	54	54	54	54	54
42"	165	60	114	60	60	60	60	60	60
48"	183	66	127	66	66	66	66	66	66
60"	221	78	156	78	78	78	78	78	78
72"	259	90	185	90	90	90	90	90	90
96"	311	108	228	108	108	108	108	108	108

FULL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS: NO HYDROSTATIC PRESSURE. UNIT WEIGHT OF SOIL (γ) = 120 PCF.

**12'-60" WATERSTOP GROUDED MANHOLE CONNECTION (DUAL WALL)**



PIPE SIZE (IN)	PIPE OD (IN)	1/4" MIN. HOLE DIA. (IN)	1/4" MIN. DISTANCE PIPE INVERT TO STRUCTURE INVERT (IN)
12	14.5	19.50	3.7
15	17.8	23.00	4.0
18	21.2	26.50	4.2
24	27.8	33.25	4.5
30	35.1	40.50	5.2
36	41.1	47.00	5.5
42	47.7	53.00	5.7
48	53.8	59.00	5.7
60	66.3	72.00	6.4

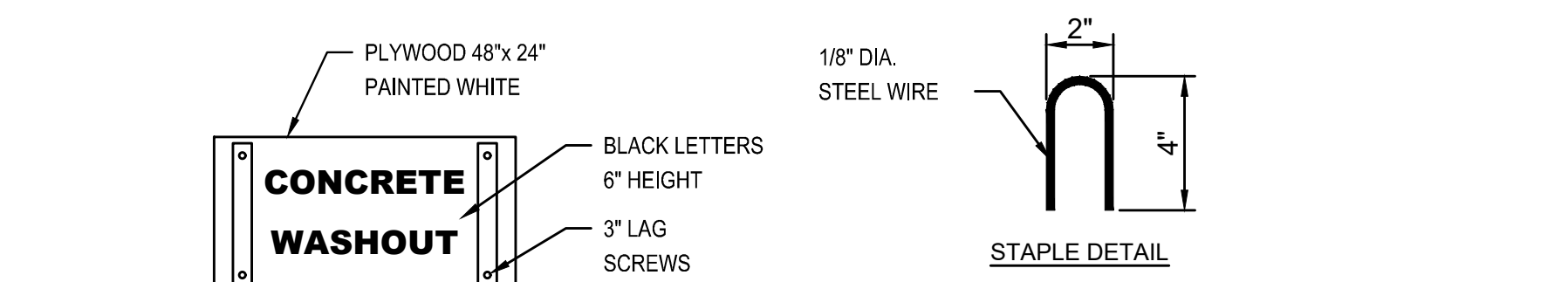
THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEED THE APPLICABLE NATIONAL, STATE OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

COA WATERSTOP GROUDED MANHOLE CONNECTION DETAIL

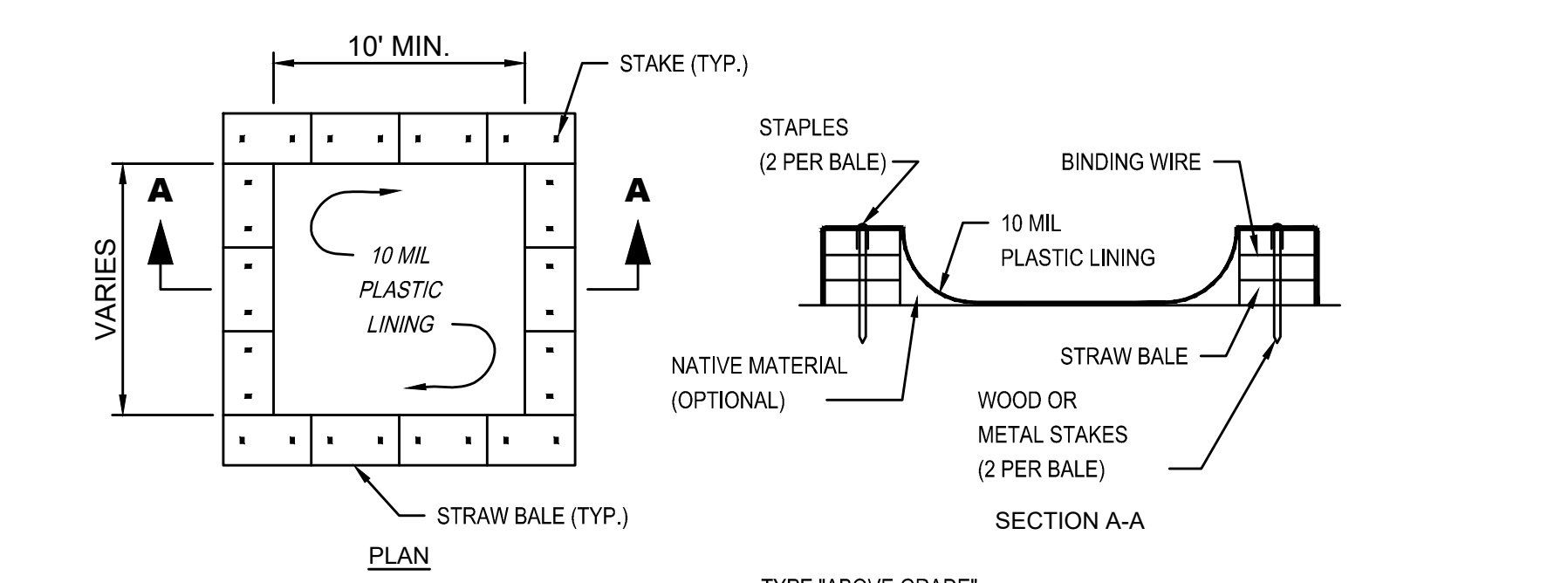
**ELEVATION TABLE (NYLOPLAST DRAIN BASINS)**

POND	OUTFLOW NODE	"A"	"B"	"C"	"A-C"	Orifice (in)
1	D1	5103.79	5101.31	5100.56	3.23	0.76
2	L1	5105.53	5103.44	5102.69	2.84	0.76
3	F1	5105.94	5103.96	5103.21	2.73	0.76
4	K1	5108.00	5105.59	5104.84	3.16	0.76
5	O1	5105.83	5103.89	5103.14	2.69	0.76
6	A6	5106.15	5104.16	5103.41	2.74	0.76
7	E2	5105.53	5103.22	5102.47	3.06	0.76
8	J1	5104.17	5101.50	5100.75	3.42	0.95
9	M1	5104.02	5100.85	5100.10	3.92	0.95
10	N1	5103.32	5101.60	5100.85	2.47	0.95
11	H1	5103.27	5101.12	5100.37	2.90	0.95
12	Q1	5103.27	5101.15	5100.40	2.87	0.95
13	P1	5102.90	5099.13	5098.38	4.52	0.72
14	C2	5103.46	5100.99	5100.24	3.22	0.76
15	R1	5104.75	5102.32	5101.57	3.18	0.76
16	B1	5104.60	5102.24	5102.09**	2.36	0.76
17	G5	5103.00	N/A	5100.43	2.57	0.95

\* - POND 17 IS A CURB INLET, BUT WILL HAVE AN ORIFICE AT THE ELEVATION NOTED IN THE TABLE  
 \*\* - ELEVATION "C" FOR OUTFLOW NODE B1 THES IN TO STRUCTURE A1.

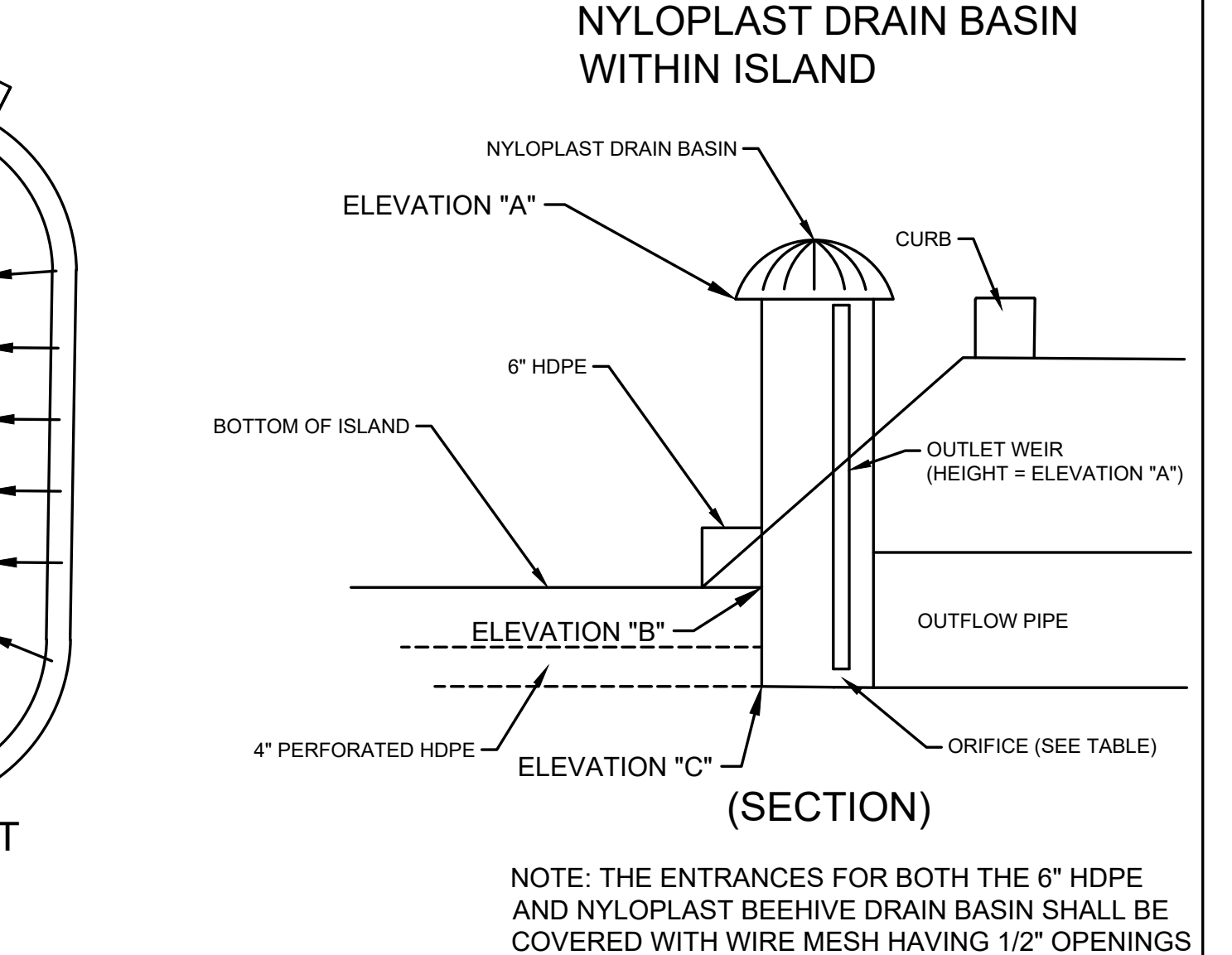
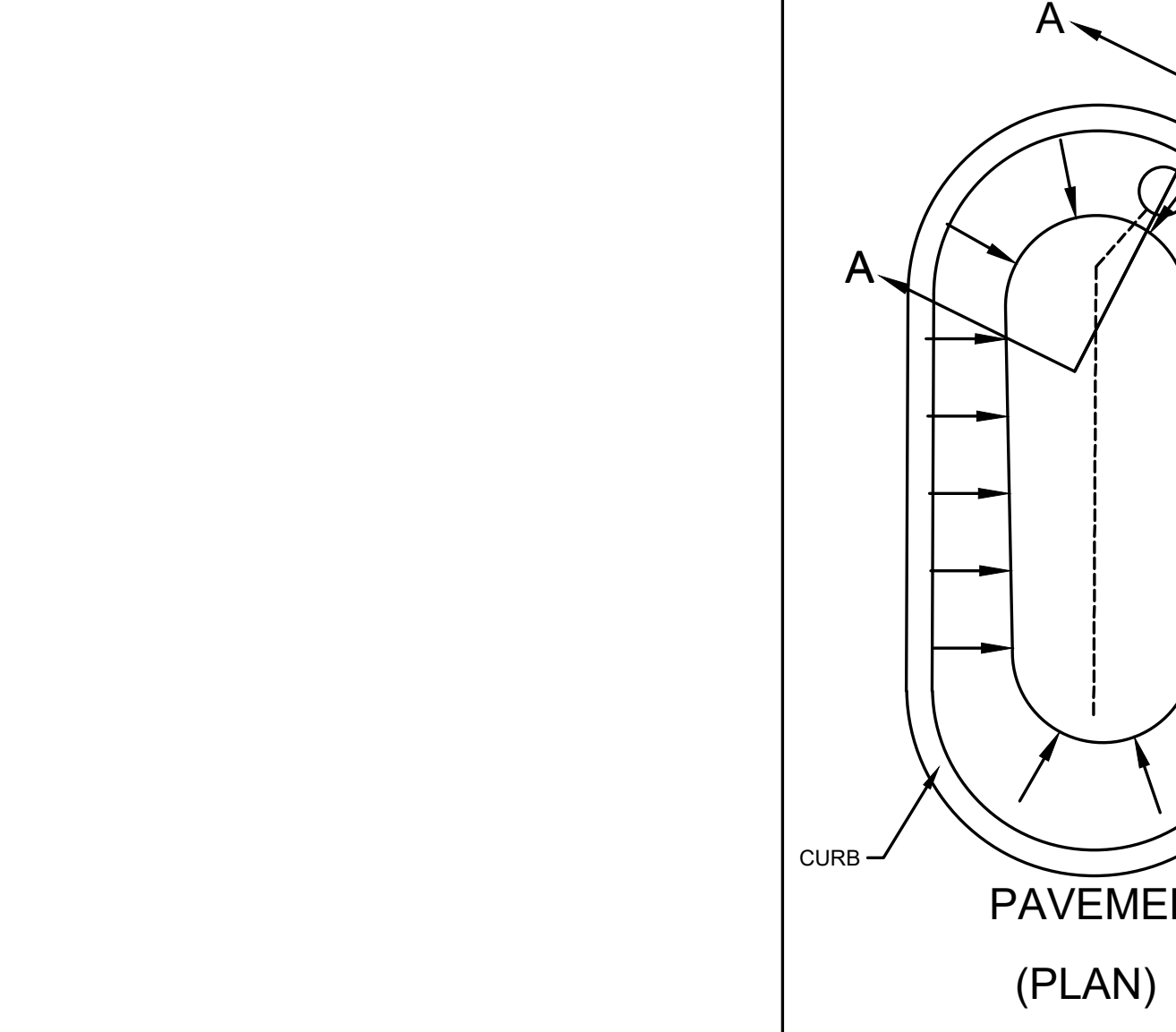


- NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
  2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.



CONCRETE WASHOUT DETAIL

**NYLOPLAST DRAIN BASIN WITHIN ISLAND**



NOTE: THE ENTRANCES FOR BOTH THE 6" HDPE AND NYLOPLAST BEEHIVE DRAIN BASIN SHALL BE COVERED WITH WIRE MESH HAVING 1/2" OPENINGS FOR TRASH PROTECTION.

**RECOMMENDED MINIMUM TRENCH WIDTHS**

PIPE DIA. (IN)	MIN. TRENCH WIDTH (IN)
4"	21"
6"	23"
8"	25"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	57"
36"	66"
42"	75"
48"	84"
60"	102"
72"	120"
96"	144"

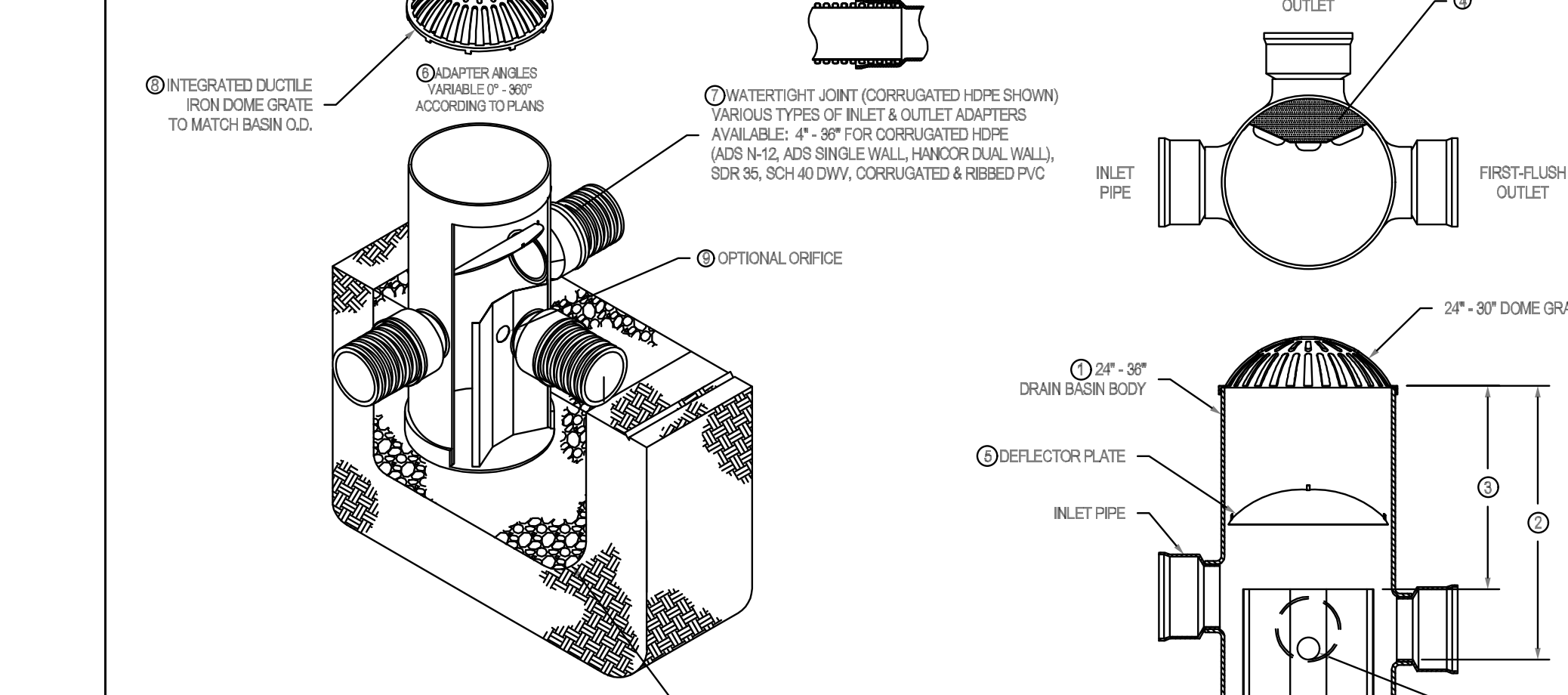
- NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2221. STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST EDITION.
  2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
  3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
  4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 12" (300mm) DIAMETER PIPE, 6" (150mm) FOR 18" (450mm) DIAMETER PIPE, AND 8" (200mm) FOR 24" (600mm) DIAMETER PIPE.
  5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II, OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2221, LATEST EDITION.
  6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 10" DIAMETER PIPE AND 24" OF COVER FOR 12" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

FULL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LOAD RESISTANCE FACTOR DESIGN (LRFD) PROCEDURE WITH THE FOLLOWING ASSUMPTIONS: NO HYDROSTATIC PRESSURE. UNIT WEIGHT OF SOIL (γ) = 120 PCF.

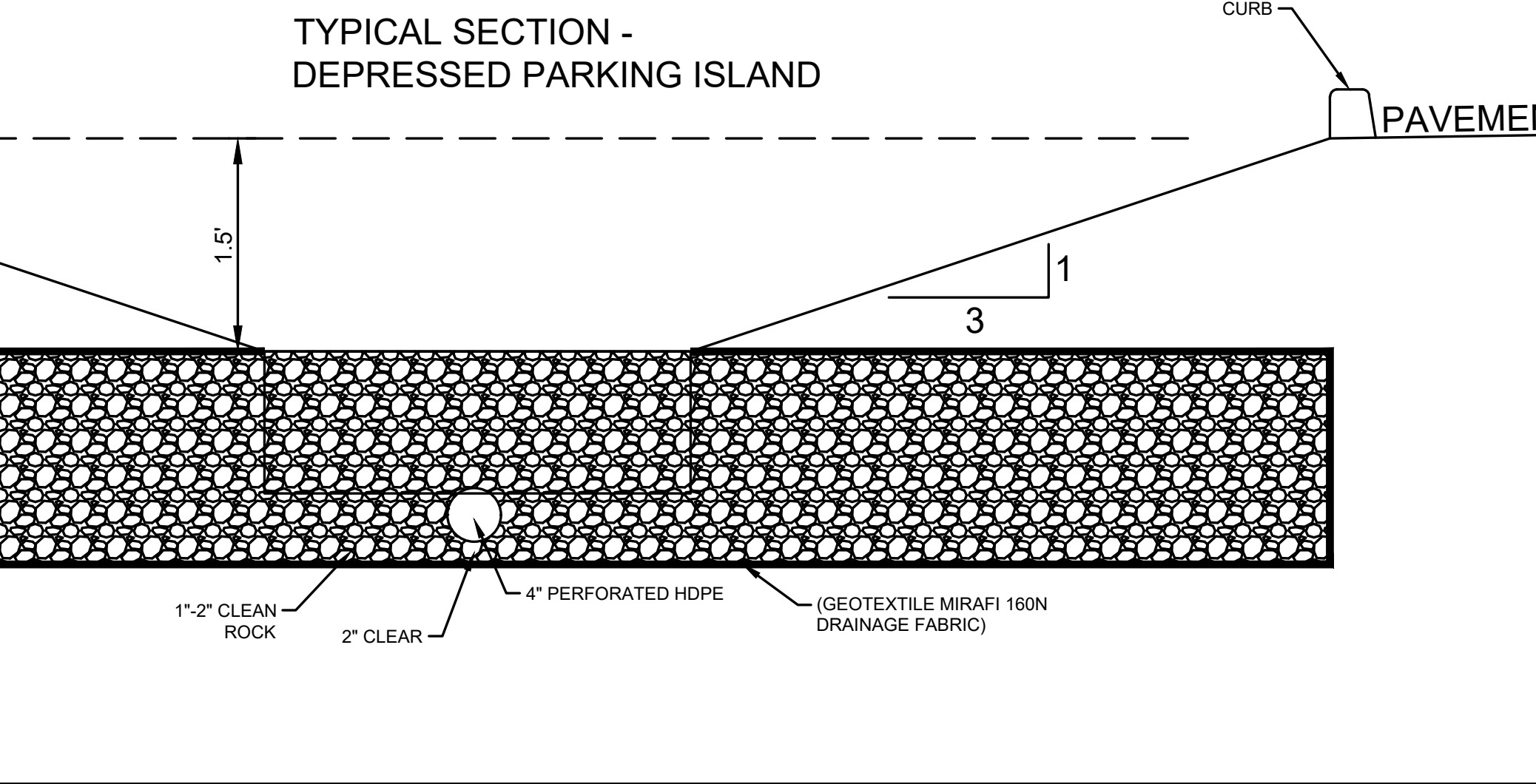
REV.	DESCRIPTION	BY	DATE	CHK'D
1	TRENCH INSTALLATION DETAIL (N-12 PER AASHTO)	ADS	09/28/17	ADS
2	REVISIONS			

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED AN ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION PROVIDED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEED THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

**NYLOPLAST DRAIN BASIN WITH WEIR, DEFLECTOR PLATE & DOME GRATE**



- NOTES:
1. WEIR AVAILABLE FOR ALL 24"-36" STRUCTURE OPTIONS
  2. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
  3. WEIR CUSTOM MANUFACTURED WITH STAINLESS STEEL TO MINIMIZE LOSS OF OUTLET PIPE OPEN AREA
  4. DEFLECTOR PLATE CUSTOM MANUFACTURED WITH STAINLESS STEEL PER ENGINEER'S DESIGN TO PROTECT WEIR OUTLET FROM GRATE INLET ABOVE
  5. ADAPTERS CAN BE MOUNTED ON ANY ANGLE OF 180° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS (SEE DRAWING NO. 7001-11-002)
  6. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2221 FOR CORRUGATED HDPE (ADS & HANCOCK DUAL WALL) & SFR-80 PVC
  7. DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-6
  8. ORIFICE HOLE OR NOTCH TO BE CUT DURING FABRICATION PROCESS. SIZE AND INVERT ELEVATION MUST BE PROVIDED BY ENGINEER



NOTE: 4" PERFORATED UNDERDRAINS SHALL BE AT THE BOTTOM OF ALL DEPRESSED ISLANDS



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ENGINEER OF RECORD: CALEB FLAKE

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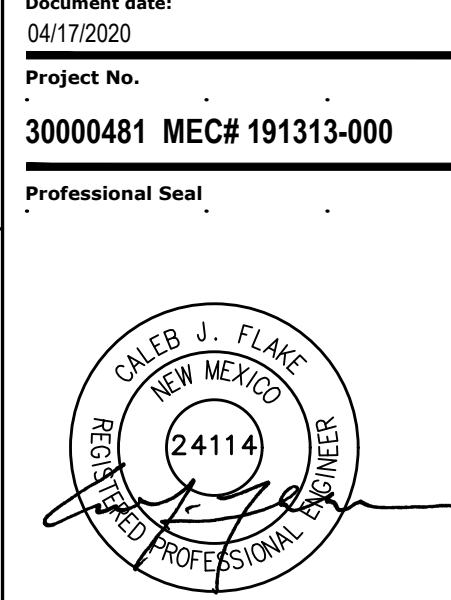
Revisions

NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE
6	11/9/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

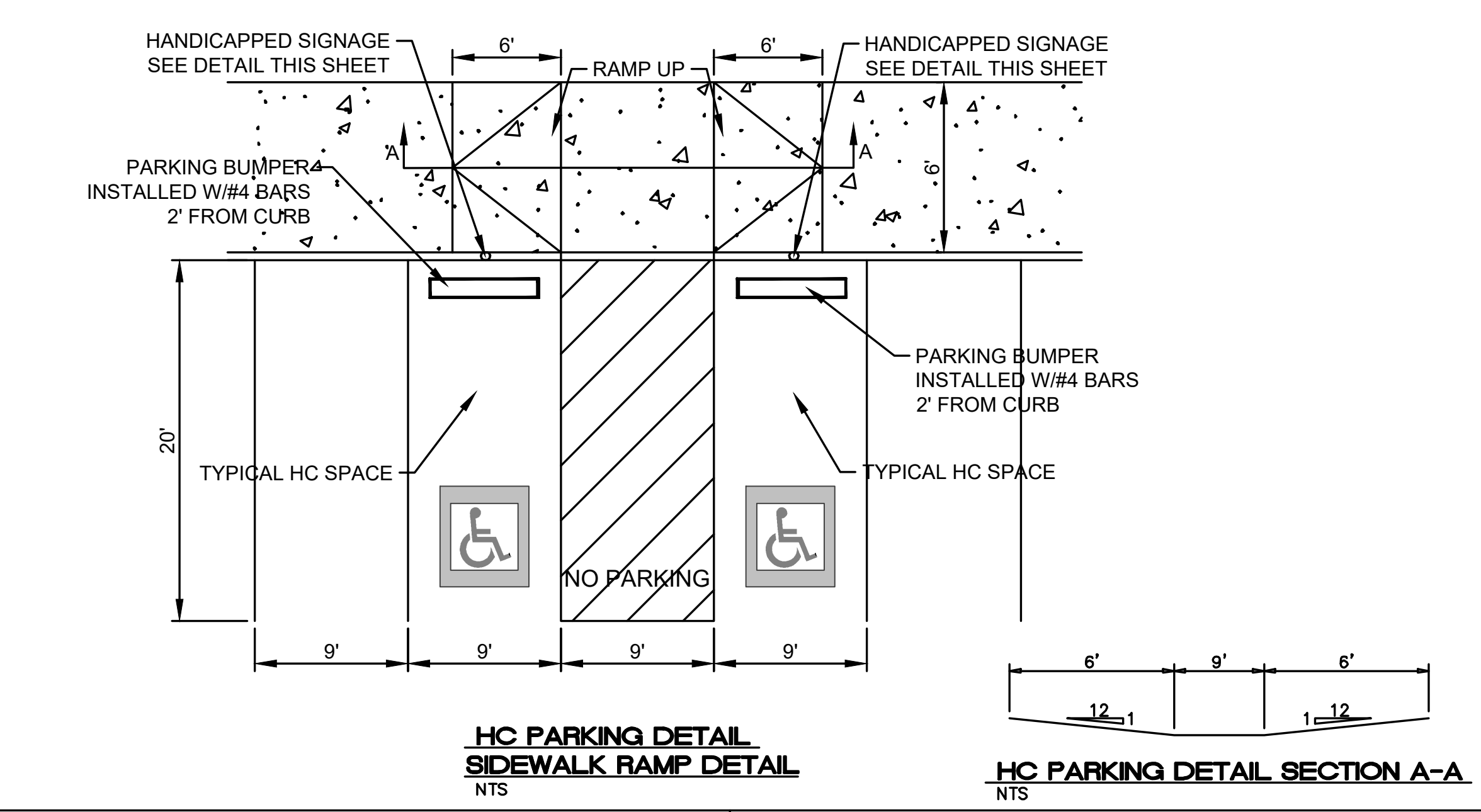
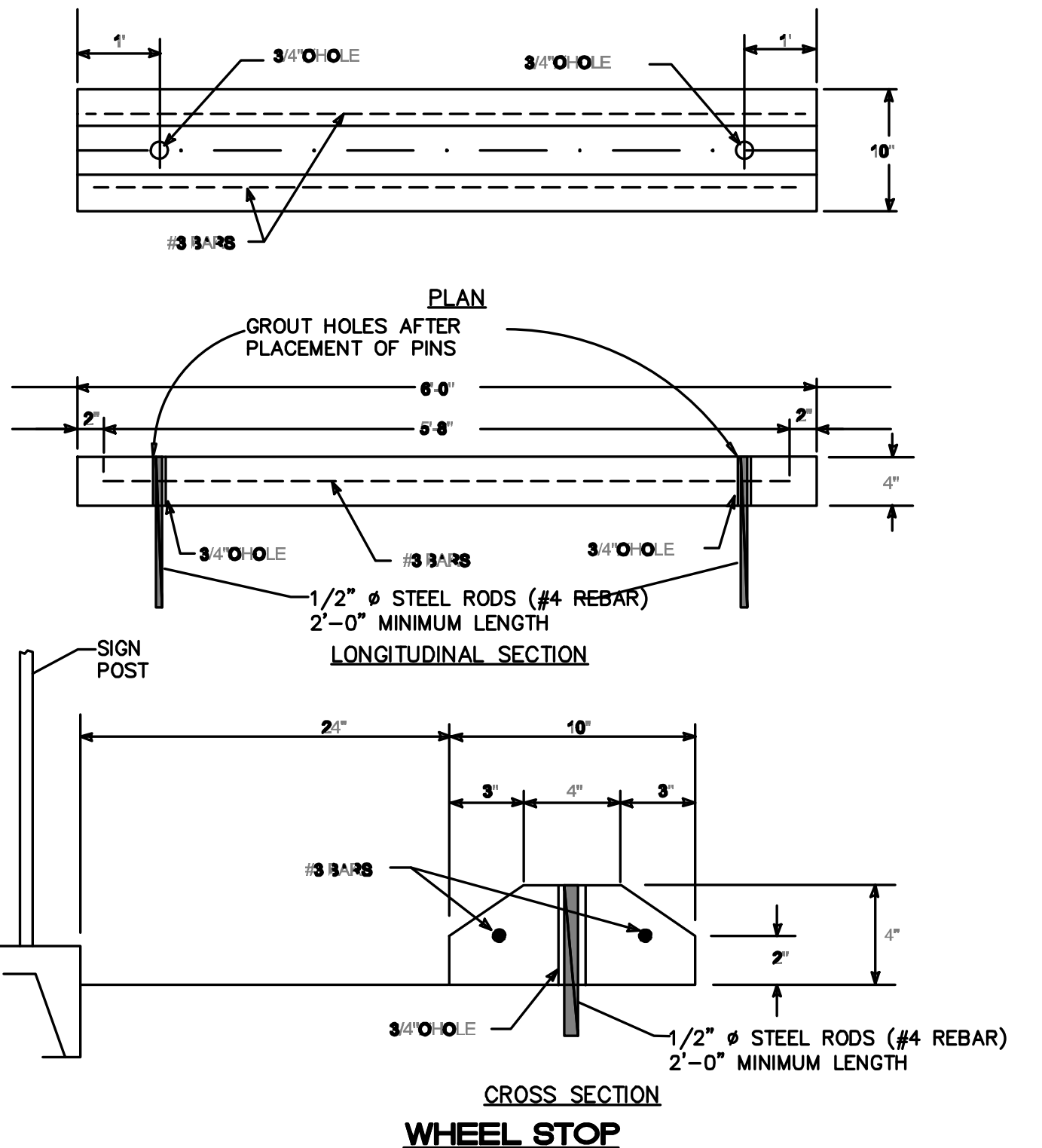
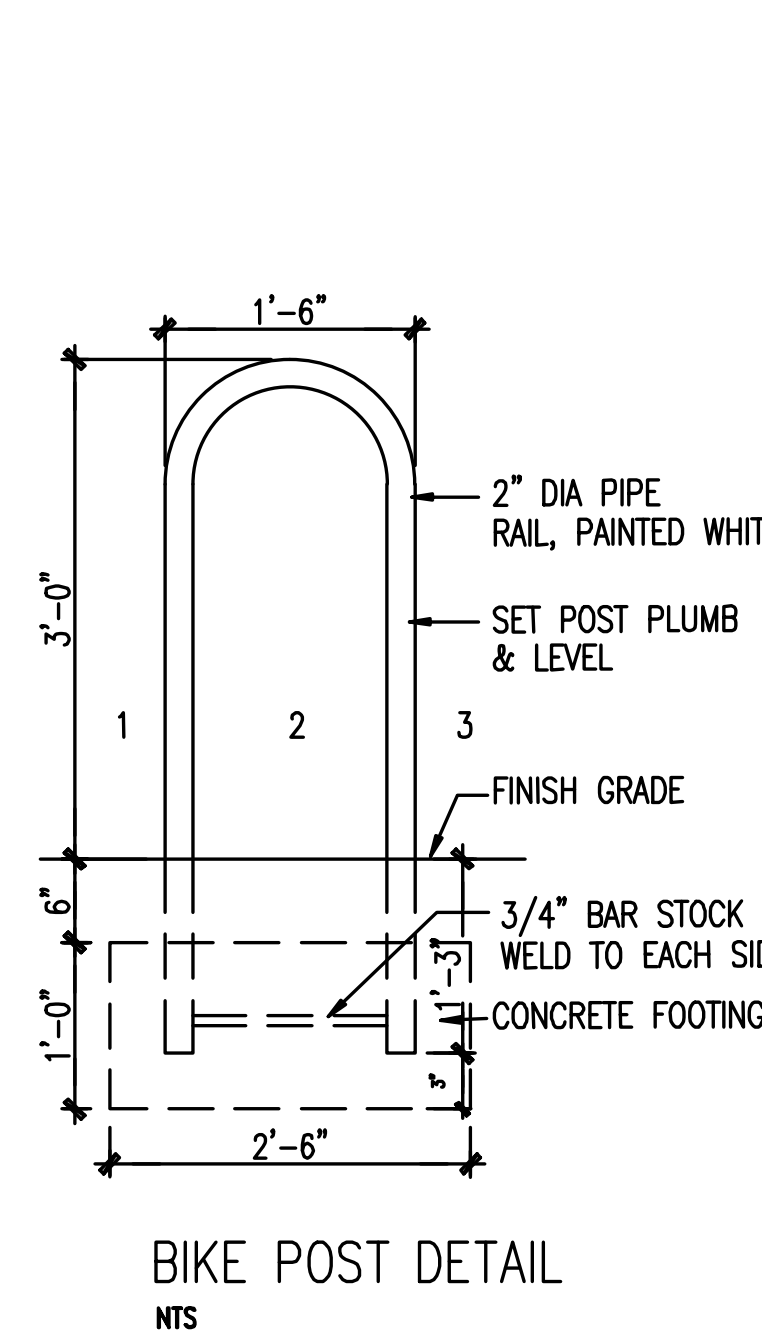
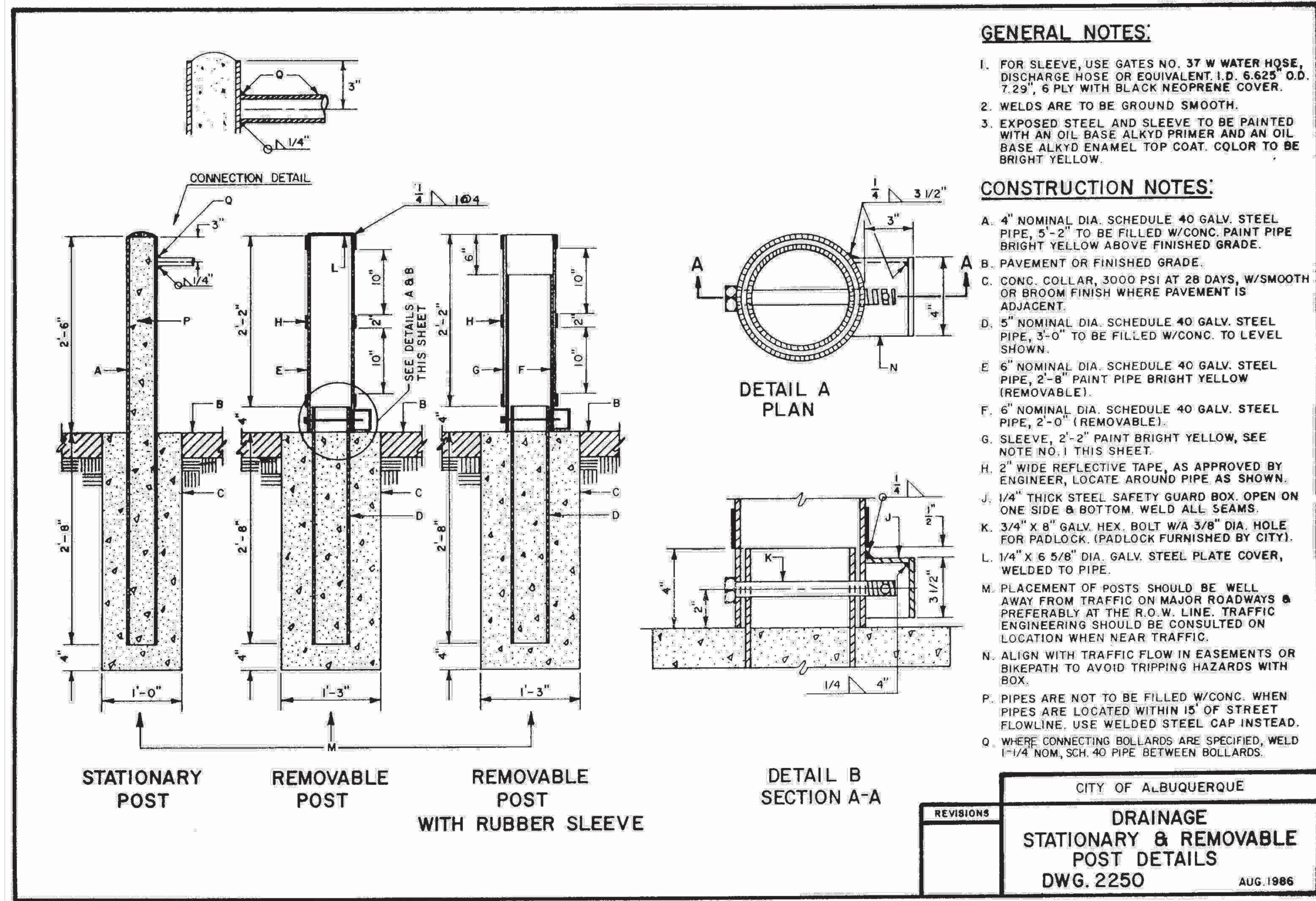
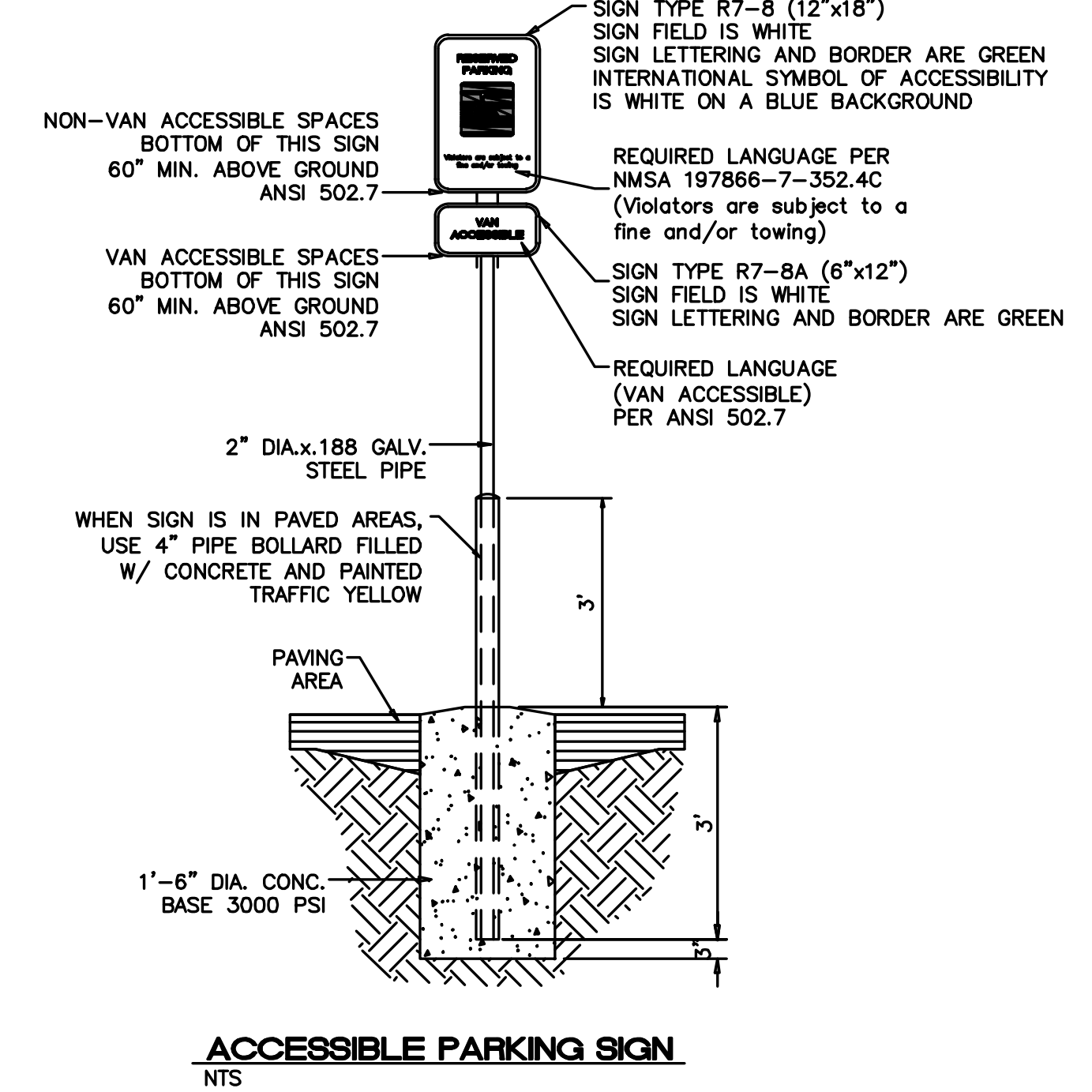
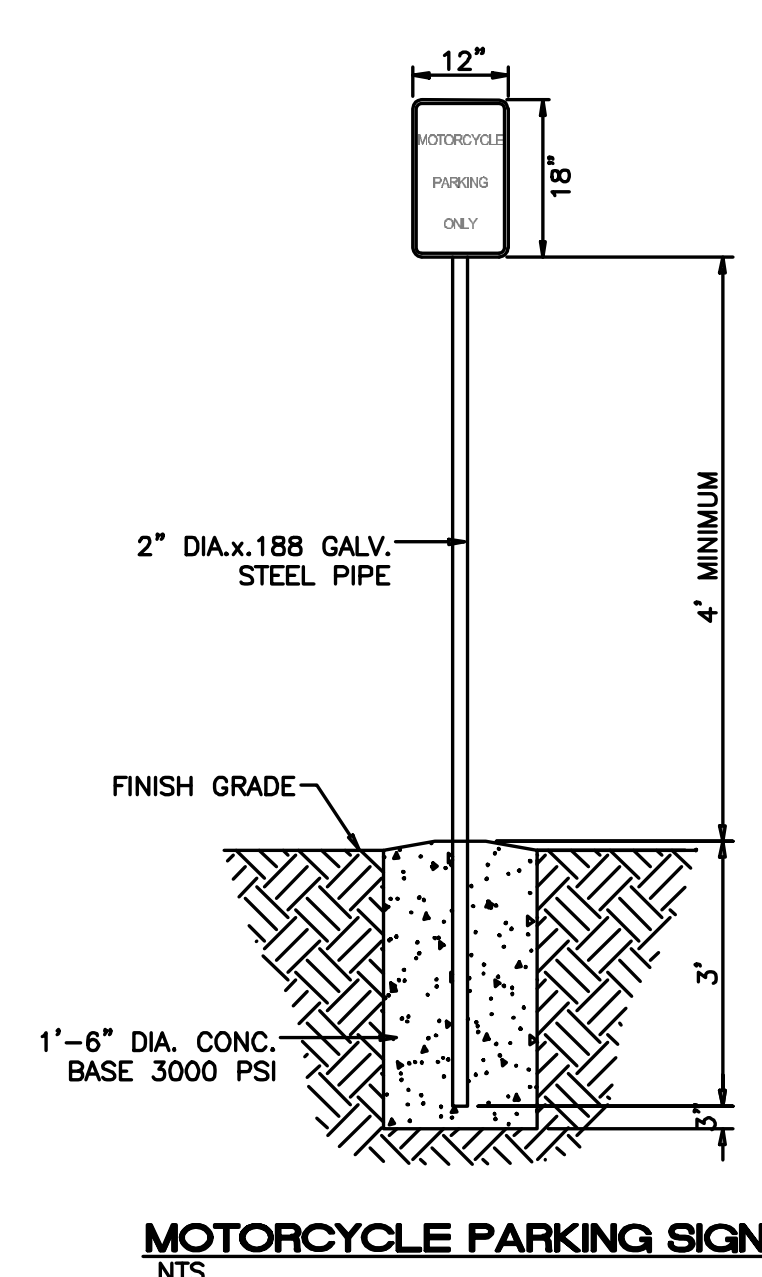
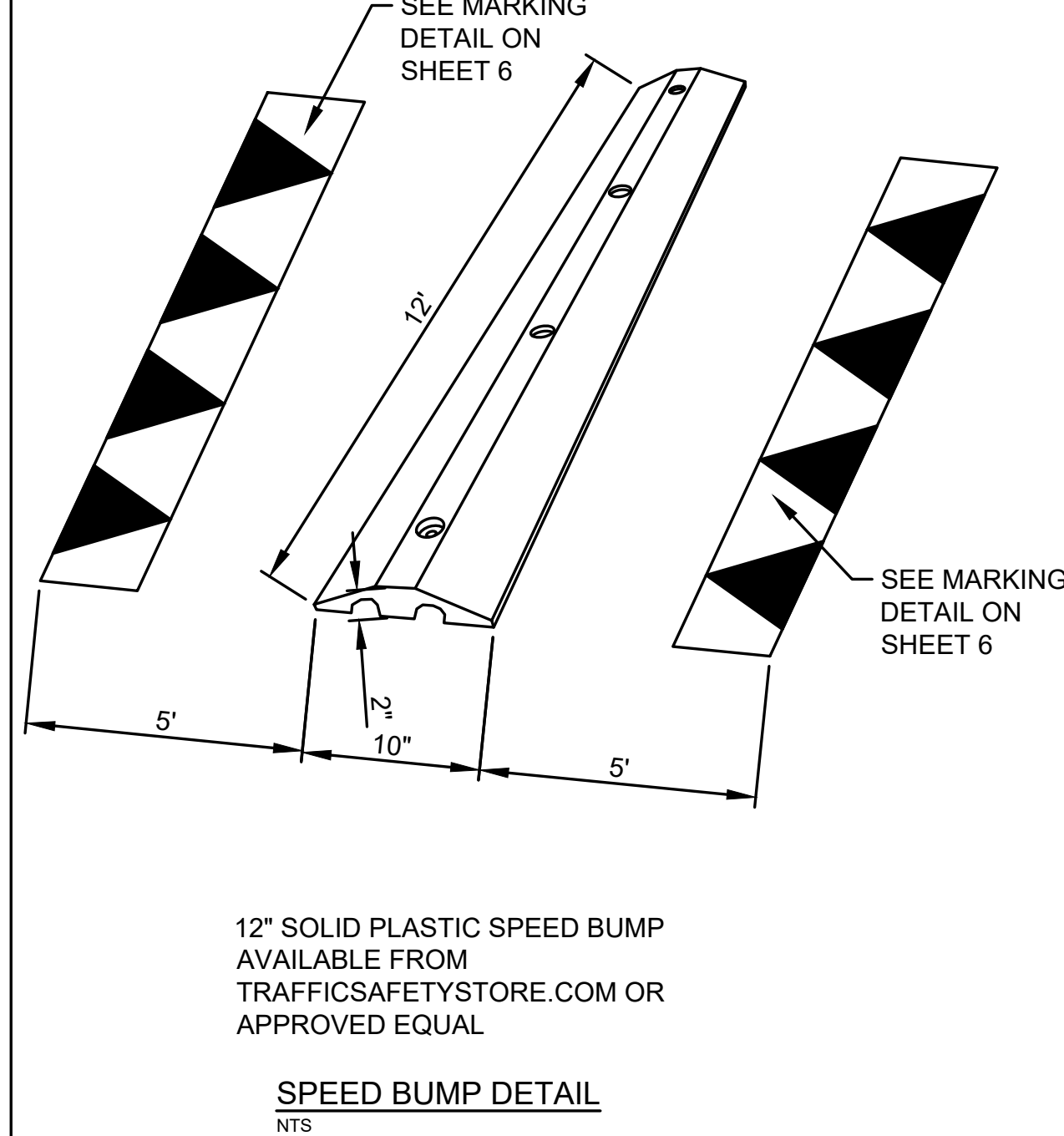
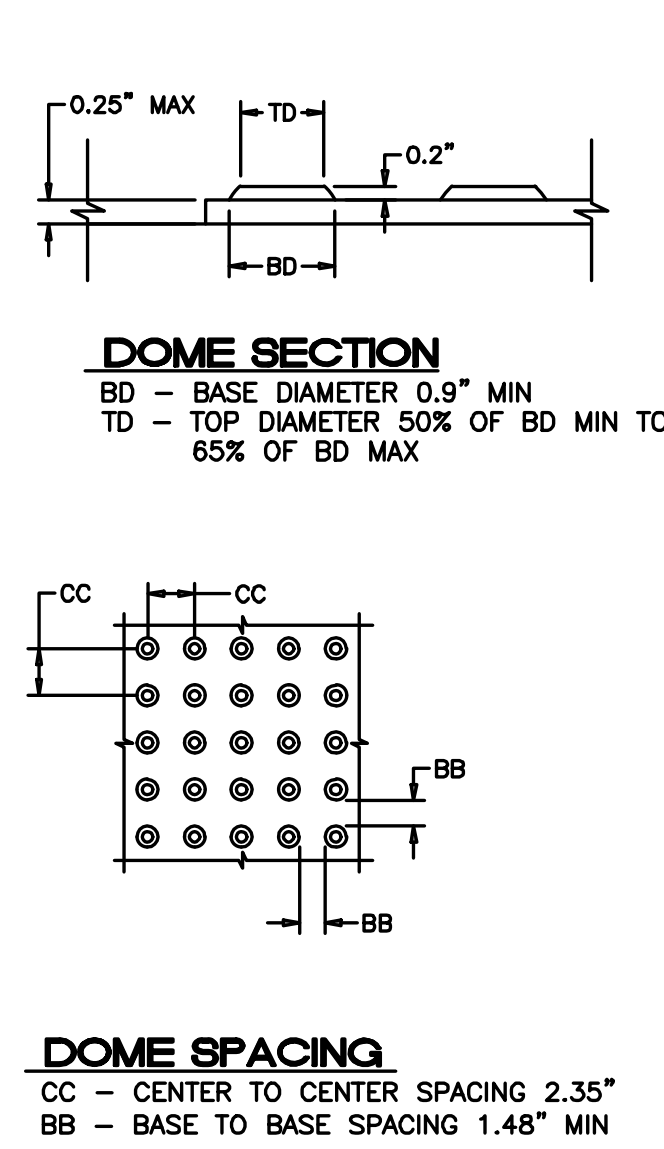
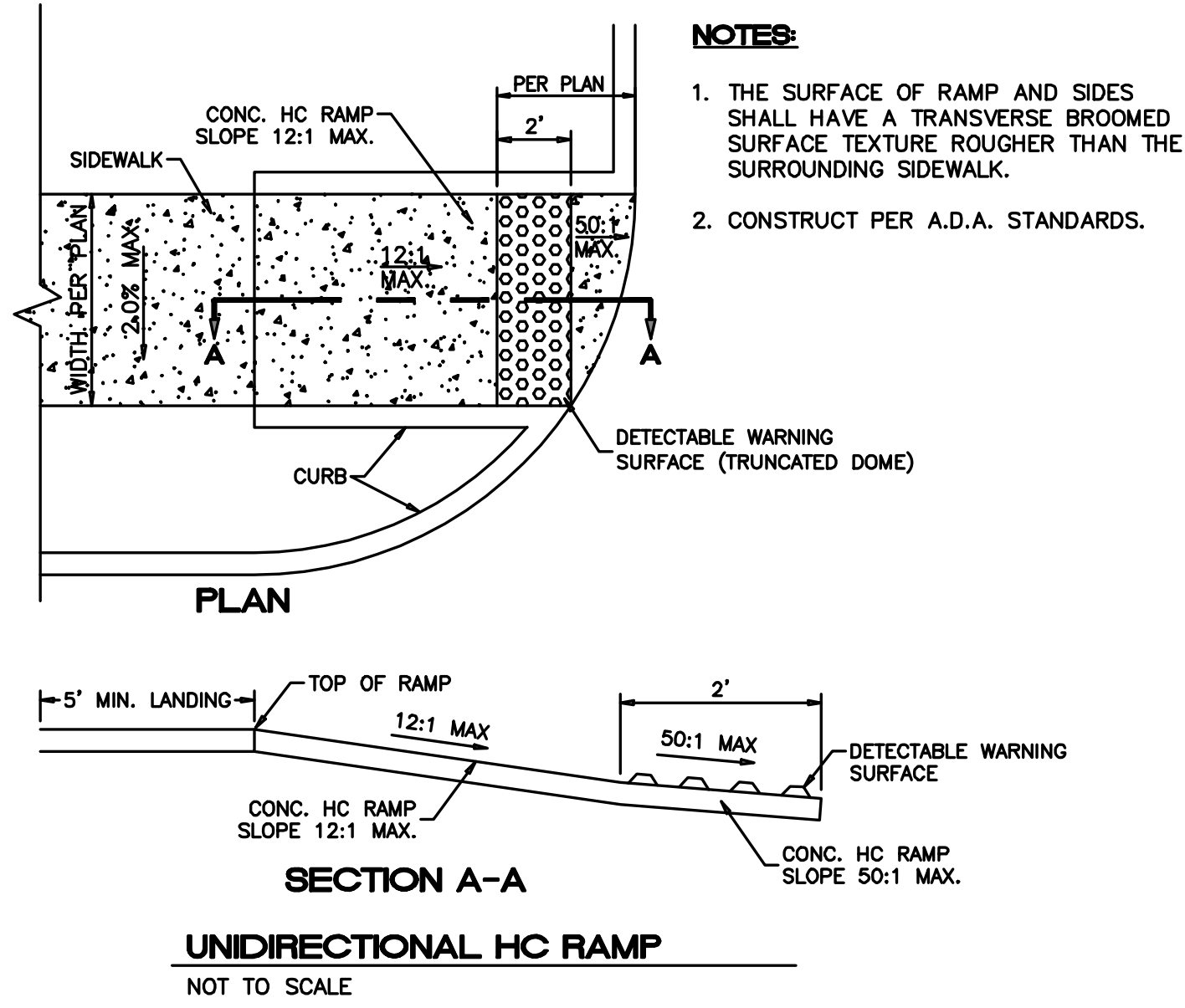
Project Manager: CJF  
 Checked by: MVE  
 Drawn by: ELM  
 Document date: 04/17/2020  
 Project No.: 30000481 MEC# 191313-000  
 Professional Seal:



1-19-2021

Sheet Title: DETAILS

Sheet No. C5.04



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WAQ1 - Albuquerque, NM

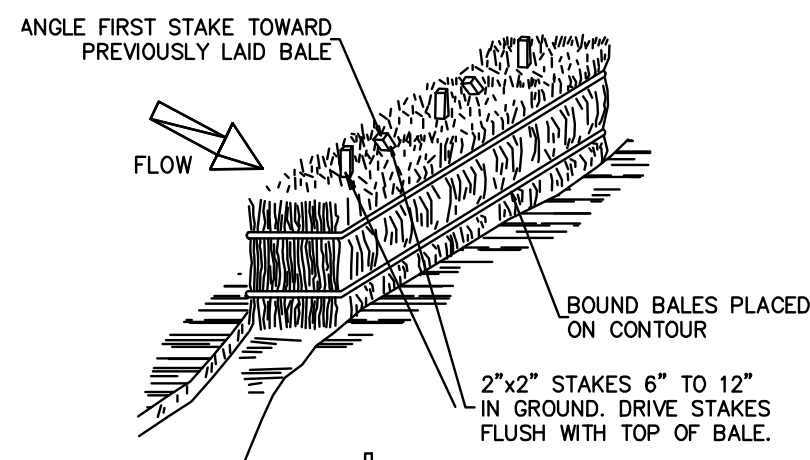
**WAQ1 - Albuquerque, NM**  
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Project Manager:  
 C.J.F.  
 Checked by:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 04/17/2020  
 Project No.  
 30000481 MEC# 191313-000  
 Professional Seal

CALEB J. FLAKE  
 REGISTERED PROFESSIONAL ENGINEER  
 24114  
 1-19-2021

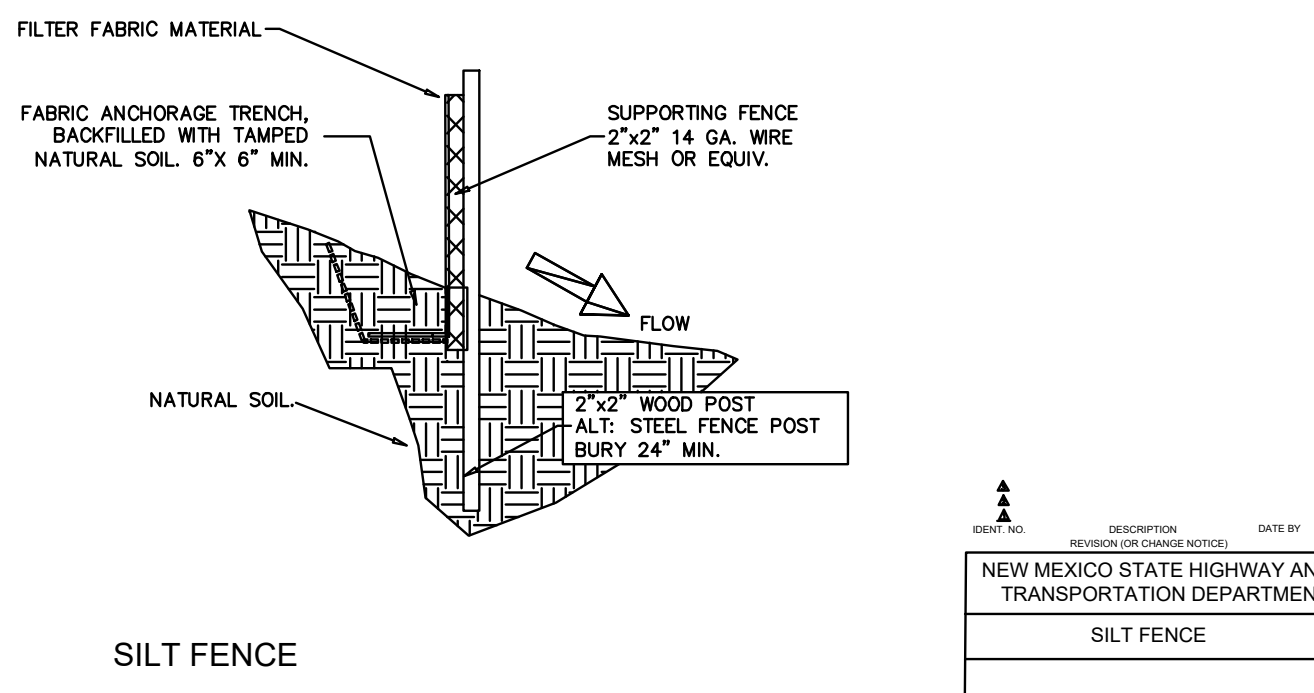
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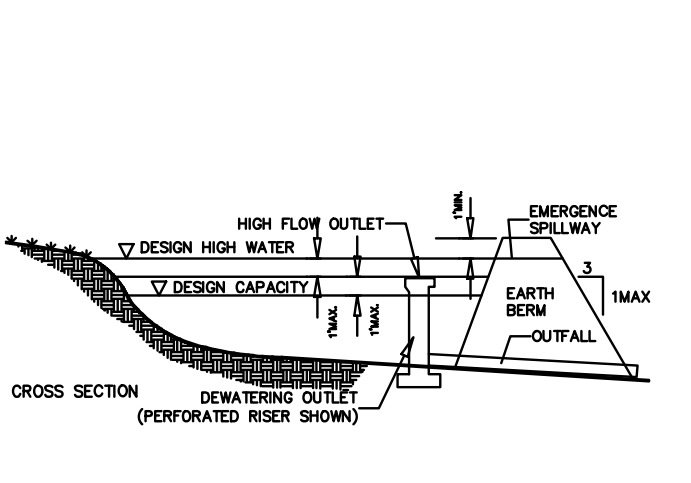
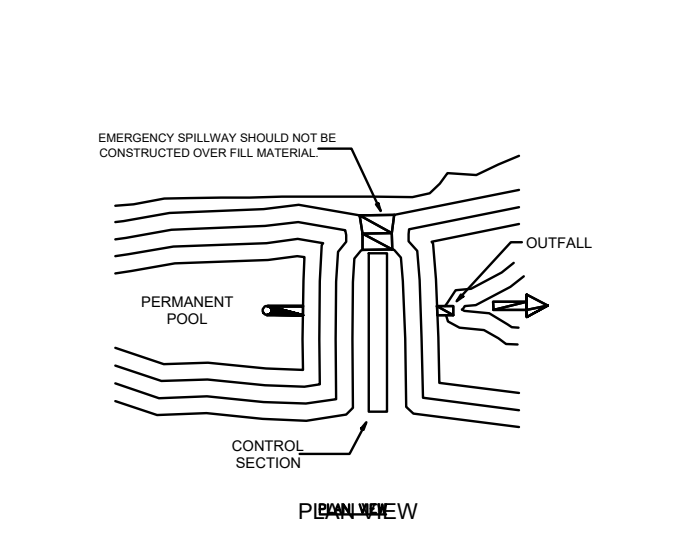


**NOTES: SILT FENCE**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POST SPACING FOR SILT FENCES TO MINIMIZE MAINTENANCE.

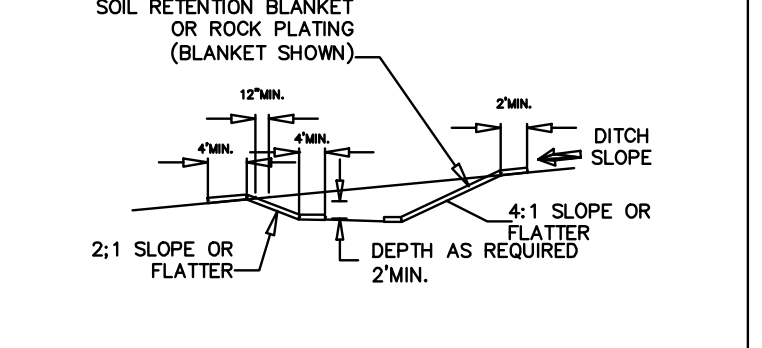
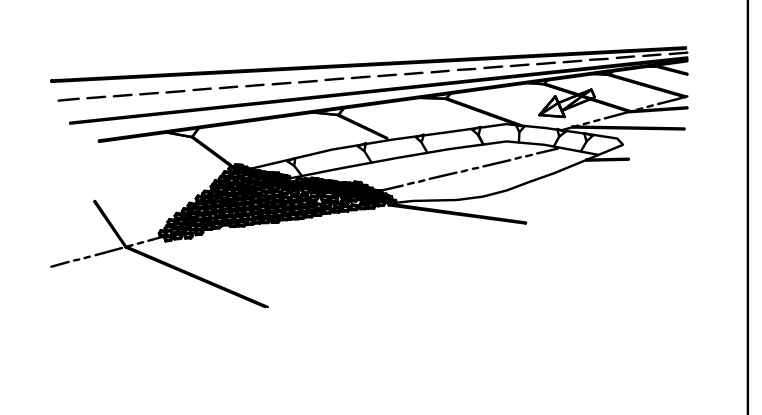
- POST SPACING SHALL BE 4 FT. MAXIMUM WITHOUT SUPPORTING FENCE, 10 FT. MAXIMUM WITH SUPPORTING FENCE.
- POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STANDARD 1" OR 1 1/2" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 LB. PER LINEAR FOOT.
- POSTS FOR 10 FT. MAXIMUM POST SPACING SHALL BE 4 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STEEL POSTS AS SPECIFIED ABOVE.
- SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 1 INCH MAX. MESH SPACING), SNOW FENCE, PLASTIC FENCE, OR APPROVED EQUAL.
- SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. FILTER FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 2 FT. CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, FILTER FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
- WHEN SILT FENCE IS USED FOR CHECK DAMS INSTALLED IN DITCHES, A SUPPORTING FENCE SHALL BE PROVIDED WITH MAXIMUM POST SPACING OF 10 FT.
- STANDARD 1" OR 1 1/2" SECTION STEEL POSTS SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.



NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 SILT FENCE

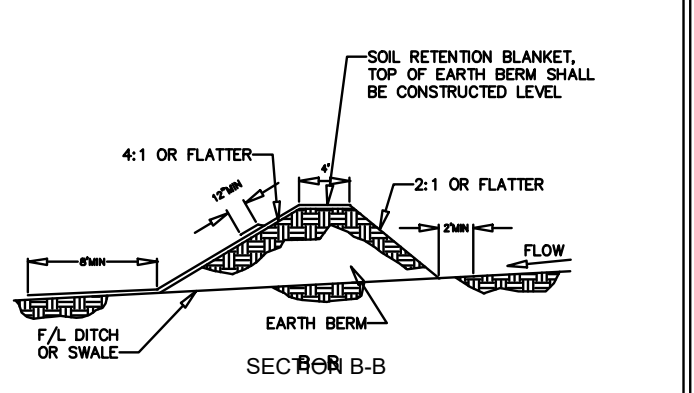
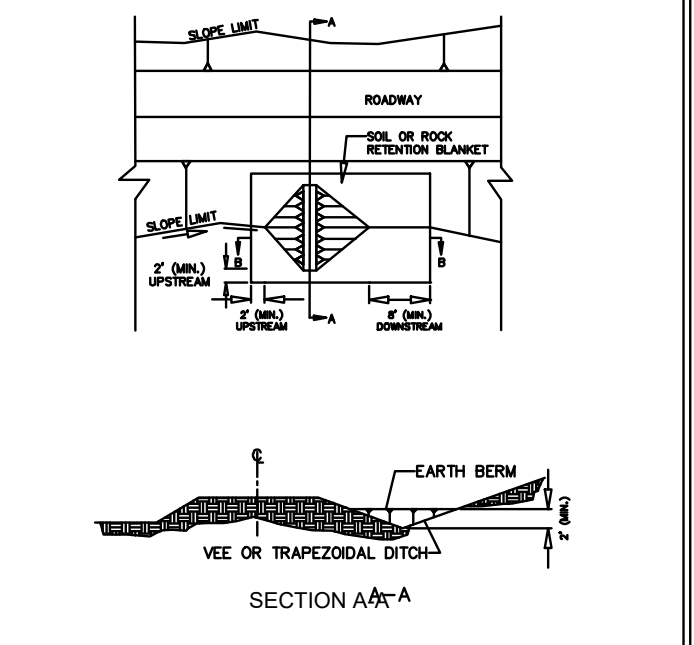


NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 SEDIMENT BASIN

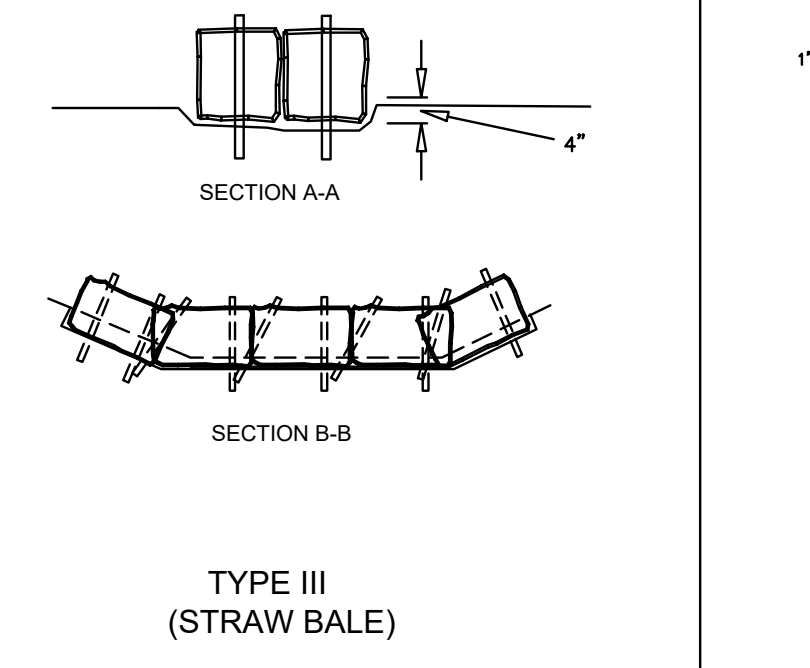
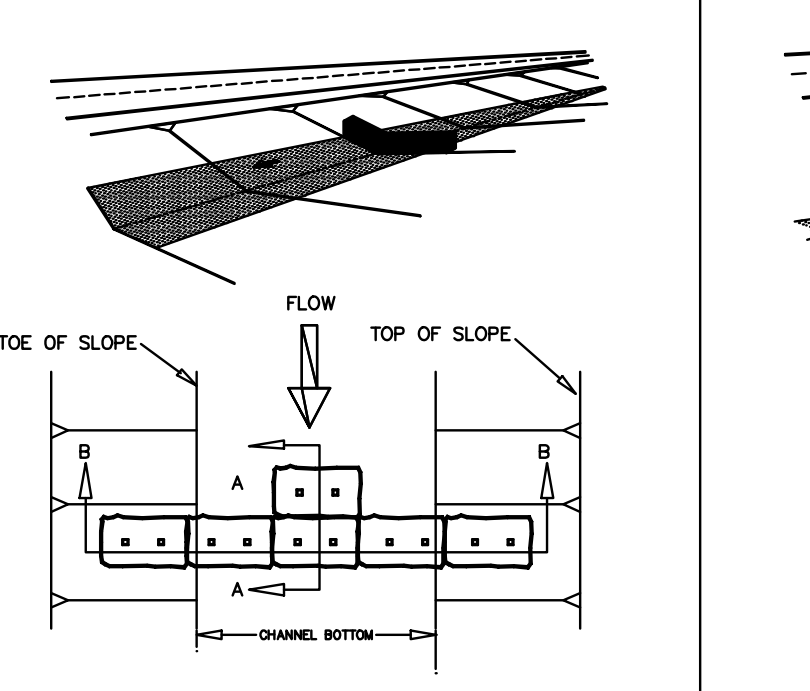


**NOTES: SEDIMENT TRAP**  
 1. TEMPORARY SEDIMENT TRAPS MAY BE CONSTRUCTED BY EXCAVATION ALONE OR BY EXCAVATION IN COMBINATION WITH AN EMBANKMENT.  
 2. TEMPORARY SEDIMENT TRAPS ARE OFTEN USED IN CONJUNCTION WITH A DIVERSION DIKE OR SWELL.  
 3. THE DRAINAGE AREA FOR THE SEDIMENT TRAP SHOULD NOT EXCEED 5 DISTURBED ACRES.  
 4. THE TRAP MUST BE ACCESSIBLE FOR EASE OF REGULAR MAINTENANCE, WHICH IS CRITICAL TO ITS PROPER FUNCTIONING.  
 5. SEDIMENT TRAPS ARE TEMPORARY MEASURES AND SHOULD NOT REMAIN IN PLACE LONGER THAN 18 TO 24 MONTHS.  
 6. THE EMBANKMENT MAY NOT EXCEED 5 FT. IN HEIGHT.  
 7. THE RECOMMENDED MINIMUM WIDTH AT THE TOP OF THE EMBANKMENT IS BETWEEN 8 FT. AND 9 FT.

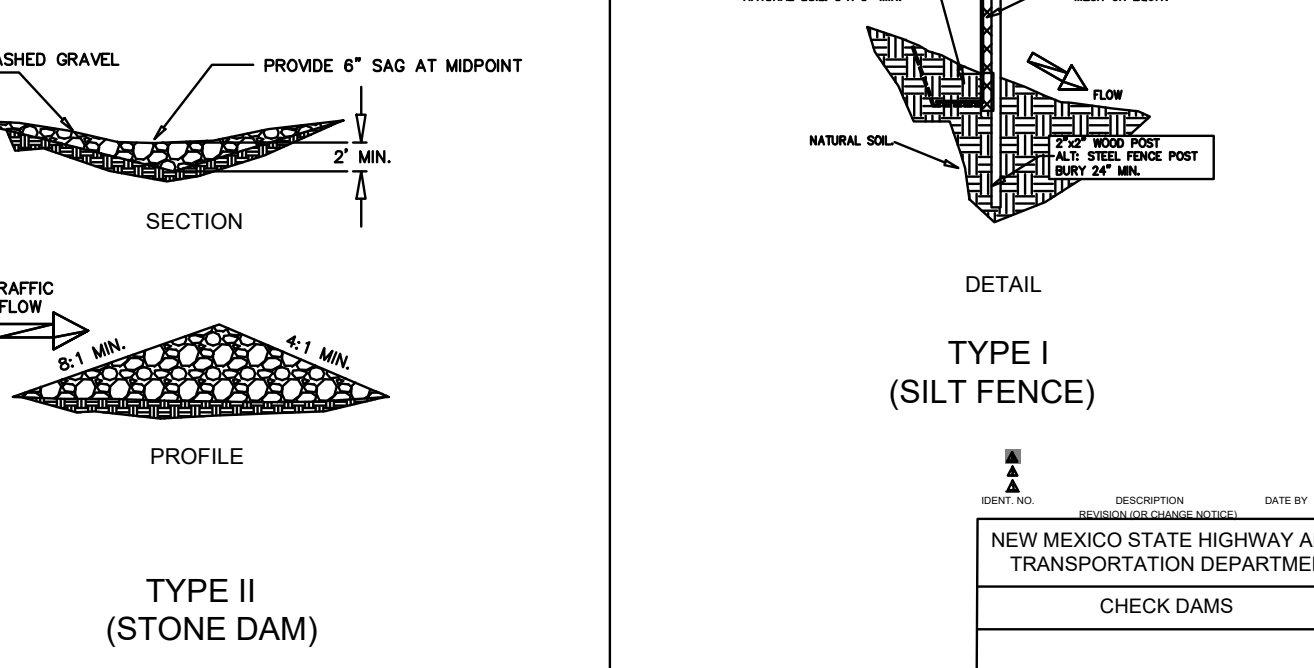
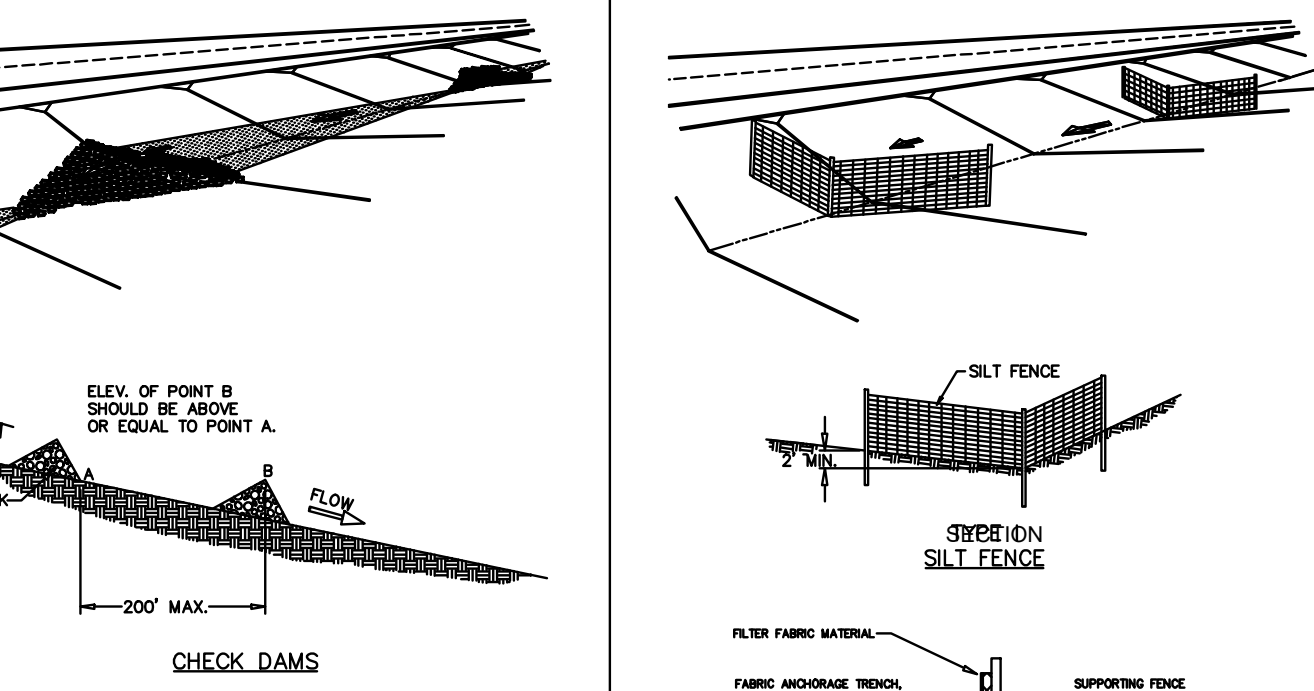
NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 SEDIMENT TRAP, & EARTH DIKE



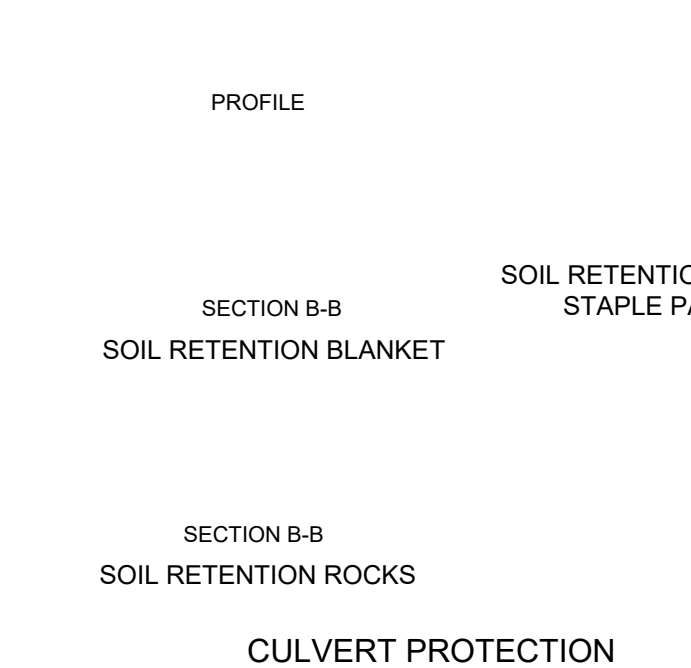
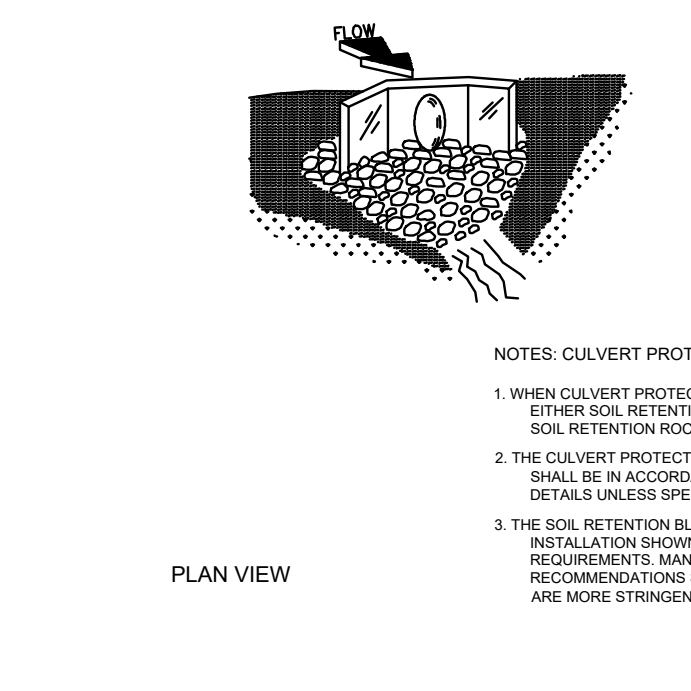
NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 SEDIMENT BASIN, SEDIMENT TRAP, & EARTH DIKE



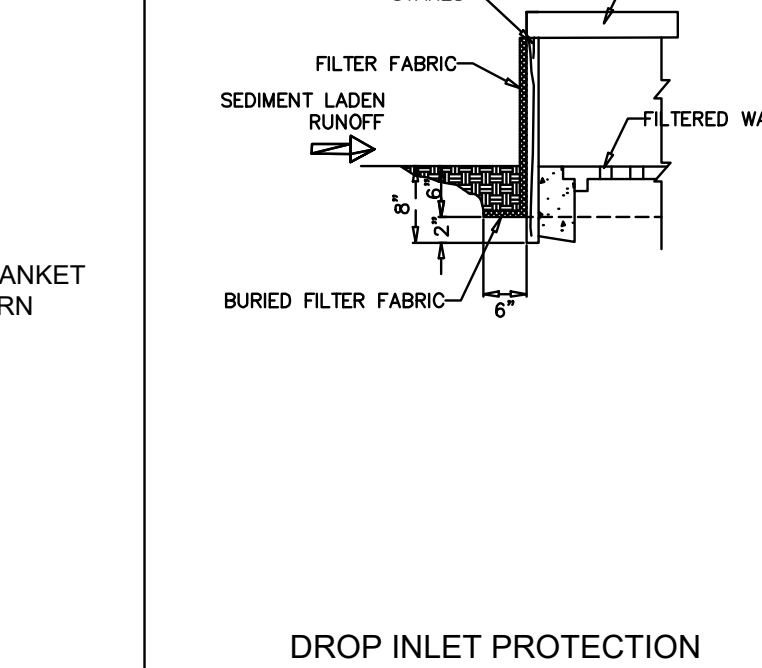
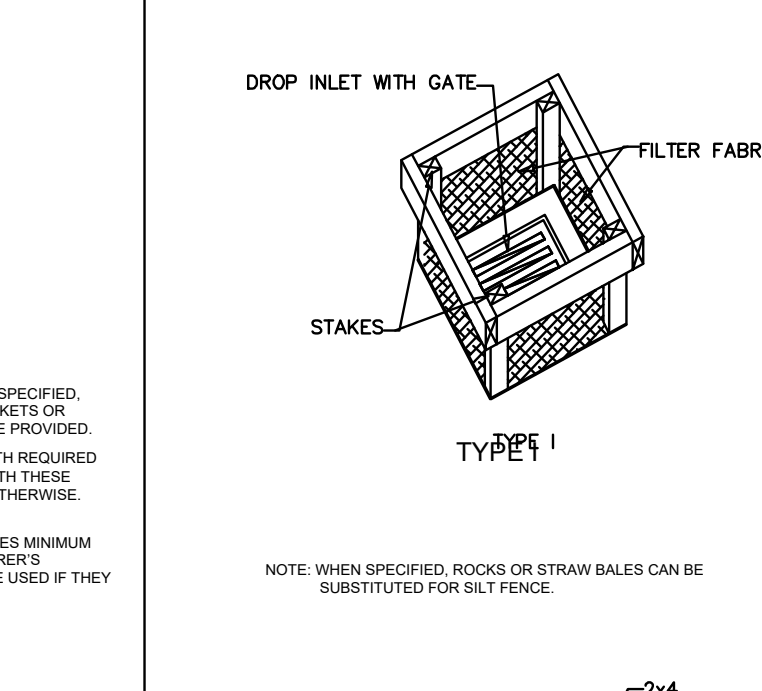
NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 CHECK DAMS



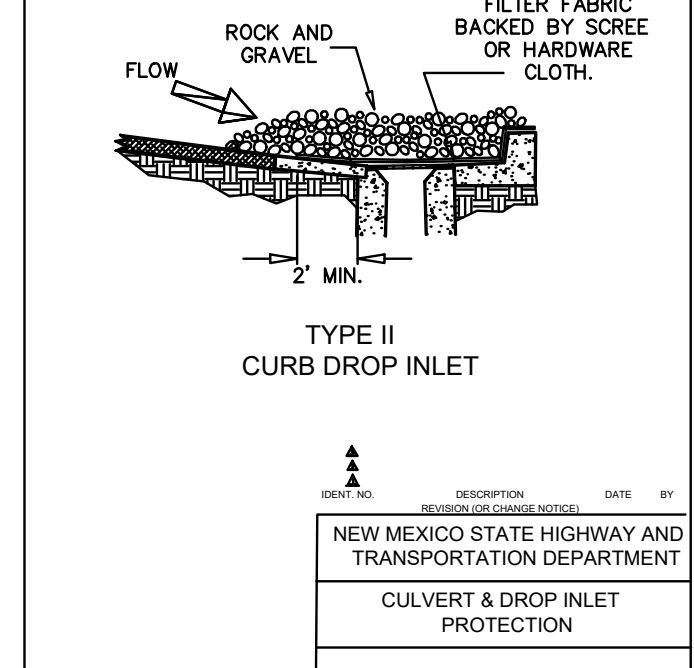
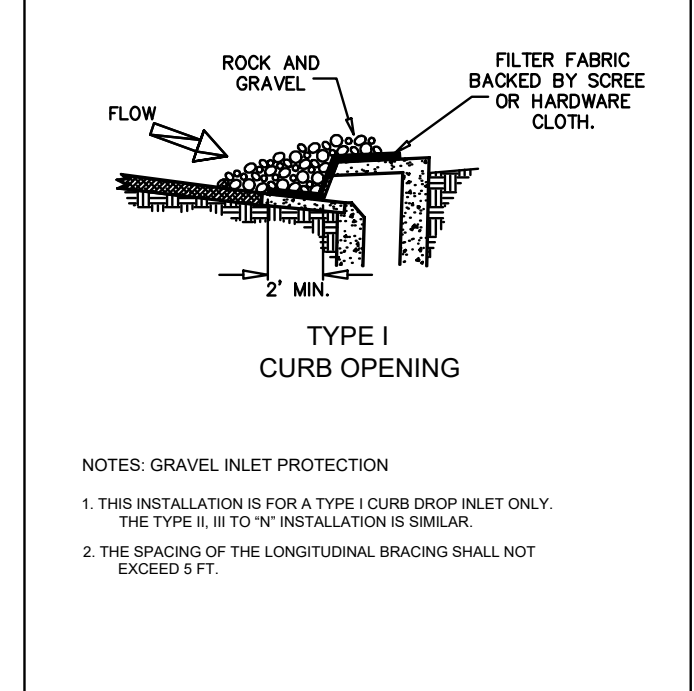
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 CHECK DAMS



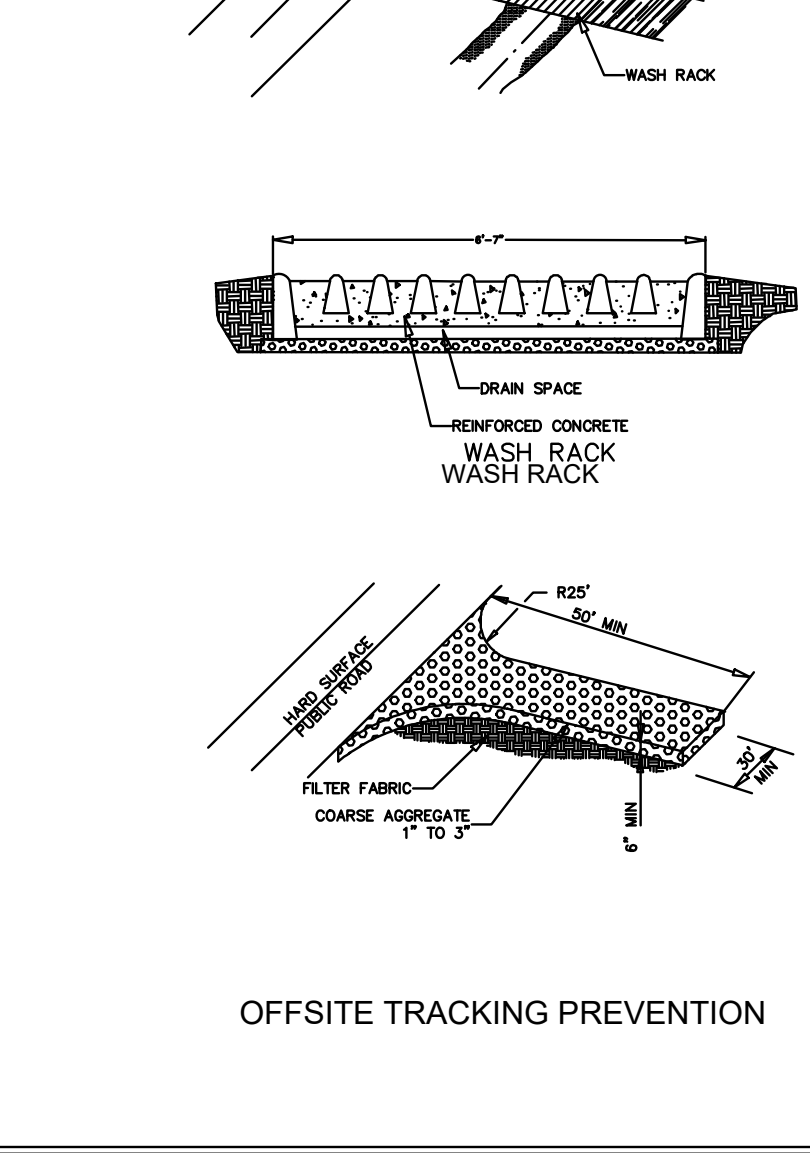
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 CHECK DAMS



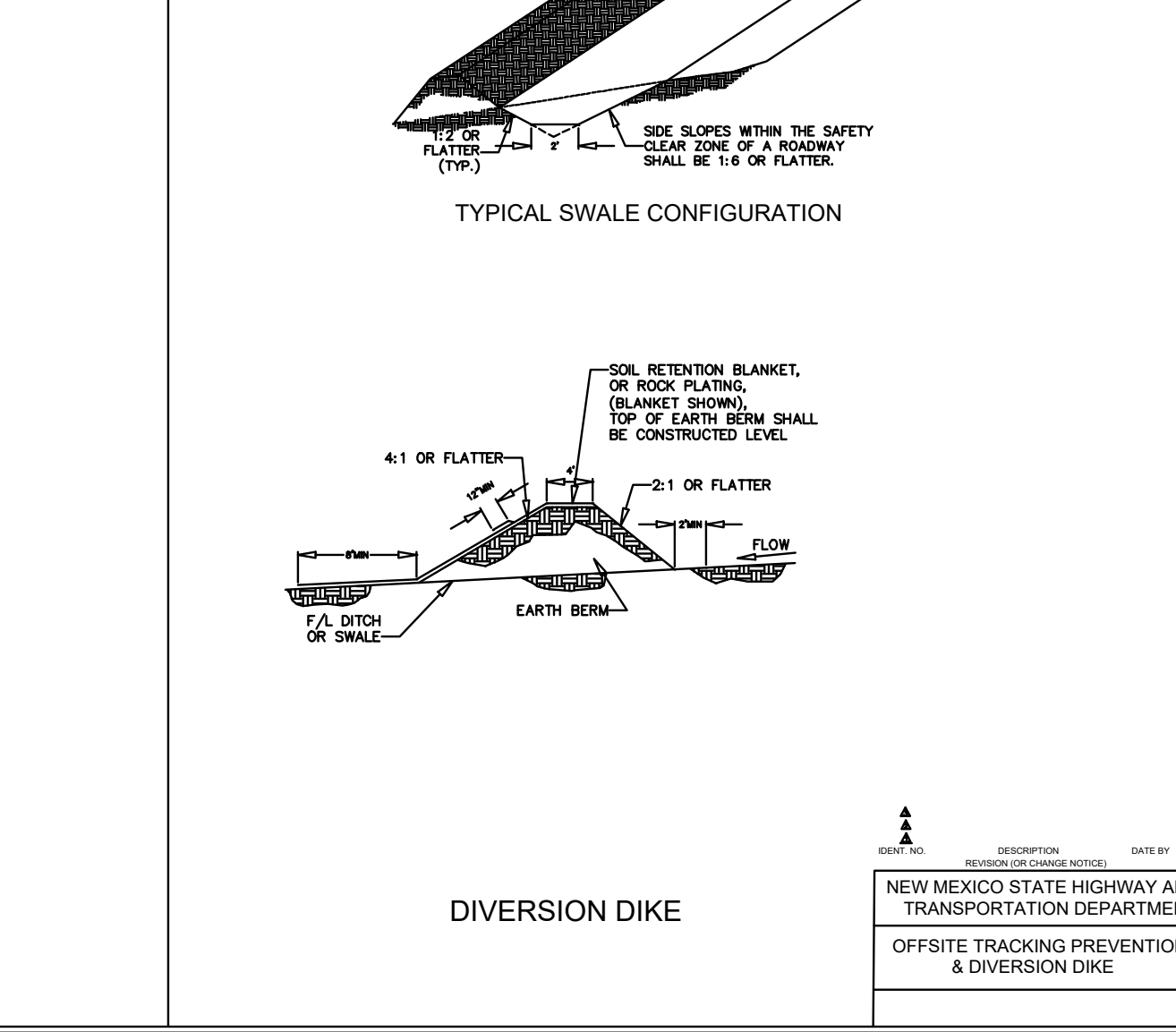
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 CULVERT & DROP INLET PROTECTION



NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 CULVERT & DROP INLET PROTECTION



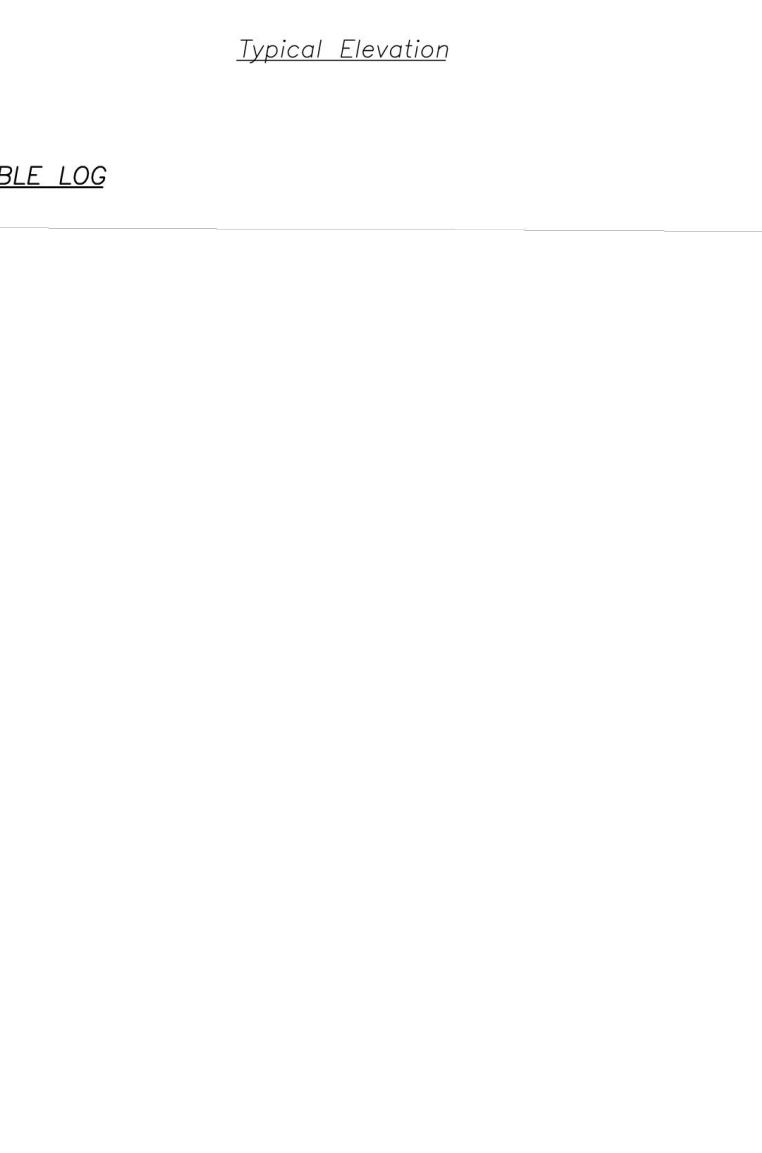
NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 OFFSITE TRACKING PREVENTION & DIVERSION DIKE



NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 OFFSITE TRACKING PREVENTION & DIVERSION DIKE



NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 OFFSITE TRACKING PREVENTION & DIVERSION DIKE



NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 OFFSITE TRACKING PREVENTION & DIVERSION DIKE

**Notes for Wattles and Biodegradable Log Slope Protection:**  
 1. The Slope barriers shall be placed along contour lines, with a short section turned up grade at each end of the barrier. The maximum length of the slope barrier shall not exceed 250 feet, and the barrier ends need to be staggered.  
 2. Install wattles and biodegradable logs per manufacturer's instructions.  
 3. Spacing of stakes per manufacturer's instructions with 4' min. spacing. Length of stakes shall be a minimum of 2 times the diameter of the log with minimum of 24".

NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT  
 OFFSITE TRACKING PREVENTION & DIVERSION DIKE

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**Revisions**

NO.	DATE	DESCRIPTION
5	12/3/2020	BUILDING EXT. & SITE
6	1/19/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**  
 7300 Meridian Pl NW  
 Albuquerque, NM 87121

Project Manager:  
 CJF  
 Checked by:  
 MVE  
 Drawn by:  
 ELM  
 Document date:  
 04/17/2020  
 Project No.  
 30000481 MEC# 191313-000  
 Professional Seal

CALEB J. FLAKE  
 REGISTERED PROFESSIONAL ENGINEER  
 24114  
 1-19-2021

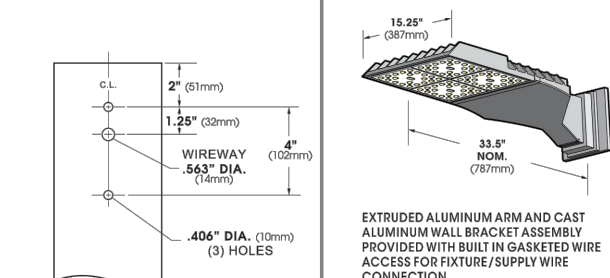
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**C5.06**

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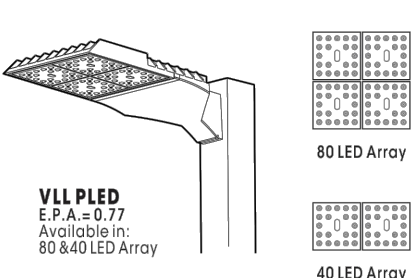


**VALULUME SERIES - PLED**

**POLE DRILLING TEMPLATE**



**WALL MOUNT**



No. of LEDs	Drive Current	System Watts	HID Equivalent
40	350mA	66	70-100
80	520mA	91	100-130
120	700mA	126	130-170
160	870mA	162	170-220
200	1040mA	198	210-280
240	1210mA	234	250-330
280	1380mA	270	290-380
320	1550mA	306	330-430
360	1720mA	342	370-480
400	1890mA	378	410-530

**SPEC/ORDERING INFORMATION**

MODEL	OPTICS	LED	MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> VLLD	<input type="checkbox"/> PLED DISTRIBUTION	<input type="checkbox"/> NO LED CURRENT	<input type="checkbox"/> 1-10' MOUNTING	<input type="checkbox"/> BLACK RAL9005	<input type="checkbox"/> HIGH GLOSS DRILLING FOR HIGH PRESSURE WASHING
<input type="checkbox"/> PLED-1	<input type="checkbox"/> PLED-1	<input type="checkbox"/> 1000mA	<input type="checkbox"/> 1-10'	<input type="checkbox"/> WHITE RAL9003	<input type="checkbox"/> INTERNAL HOUSING SHIELD - HSPUB
<input type="checkbox"/> PLED-2	<input type="checkbox"/> PLED-2	<input type="checkbox"/> 700mA	<input type="checkbox"/> 1-10'	<input type="checkbox"/> GREY RAL7004	<input type="checkbox"/> MOUNTING HEIGHT ADJUSTMENT
<input type="checkbox"/> PLED-3	<input type="checkbox"/> PLED-3	<input type="checkbox"/> 500mA	<input type="checkbox"/> 1-10'	<input type="checkbox"/> GREEN RAL6005	<input type="checkbox"/> UNIVERSAL POLE ADAPTOR - UPA
<input type="checkbox"/> PLED-4	<input type="checkbox"/> PLED-4	<input type="checkbox"/> 350mA	<input type="checkbox"/> 1-10'	<input type="checkbox"/> RED RAL3007	<input type="checkbox"/> REMOTE MOTION SENSOR - MS421
<input type="checkbox"/> PLED-5	<input type="checkbox"/> PLED-5	<input type="checkbox"/> 250mA	<input type="checkbox"/> 1-10'	<input type="checkbox"/> BLUE RAL5015	<input type="checkbox"/> REMOTE MOTION SENSOR - MS421
<input type="checkbox"/> PLED-6	<input type="checkbox"/> PLED-6	<input type="checkbox"/> 150mA	<input type="checkbox"/> 1-10'	<input type="checkbox"/> CLEAR RAL9001	<input type="checkbox"/> REMOTE MOTION SENSOR - MS421

**HOLOPHANE**



**FIXTURE TYPE: E**

Color	Temp
White	5000K
Black	3000K

The Mongoose LED fixture is a high quality, energy efficient lighting product. It offers the ultimate in application flexibility with a uniquely designed advanced optical system and attractive appearance. This combined with multiple lighting distribution, mounting options and the ability to fit the fixture offers unparalleled performance in a diverse set of applications ranging from interior and parking lots.

**Mechanical**

- 7.5mm thick aluminum (1% copper)
- Super grade A307 stainless steel fasteners
- Regroup 5-stage pre-treatment, epoxy basecoat and powder coat to ensure maximum durability
- Fresh yields a finish that achieves a color change rating of 10 after 1000 hours of salt spray
- Removable "power door" facilitates product installation and maintenance
- Corrosion resistant stainless steel fasteners ensure secure closure over the long term life
- Multiple mounting configurations allow for attachment to horizontal and vertical surfaces (H/V), architectural mounting to square poles (SP) and universal mounting to round and square poles (UR)
- All mounting options are tested per ANSI C136.31
- Adjustable fixture tilt from 0-45 degrees provides flexibility to optimize lighting performance

**Electrical**

- Standard surge protection is 20kV/100A "Surge Limit" per ANSI C136.2
- LED light engines are rated to 100,000+ hours
- Electronic driver has an expected life of > 100,000 hours at 25°C
- Rated for -40°C to 40°C minimum ambient
- Programmable electronic driver with 0-10V control leads
- Driver voltage options: 120V/277V/500V to 347V/500V and 480V/500V

**Optical**

- Performance is comparable to 400-1000 watt HID
- Pole rated bronze glass optics ensure longevity and minimize dirt deposition

**3000K, 4000K and 5000K CCT to 100**

- Distribution options: Narrow Roadway (NR), Medium Roadway (MR), Wide Roadway (WR), Forward Throw (FT), and Area Type (AT)
- Optional Light Skirt (LS) ensures no light above 90°
- House and shield (HS) option available

**Controls**

- 7.5mm thick photoconductive plastic
- Premium solid state locking right photoconductive (PCL) - 10 year rated life
- Extreme long life solid state locking style photoconductive (PCL) - 20 year rated life
- Field adjustable output
- Light for motion and daylight sensor
- Programmable motion and daylight sensor

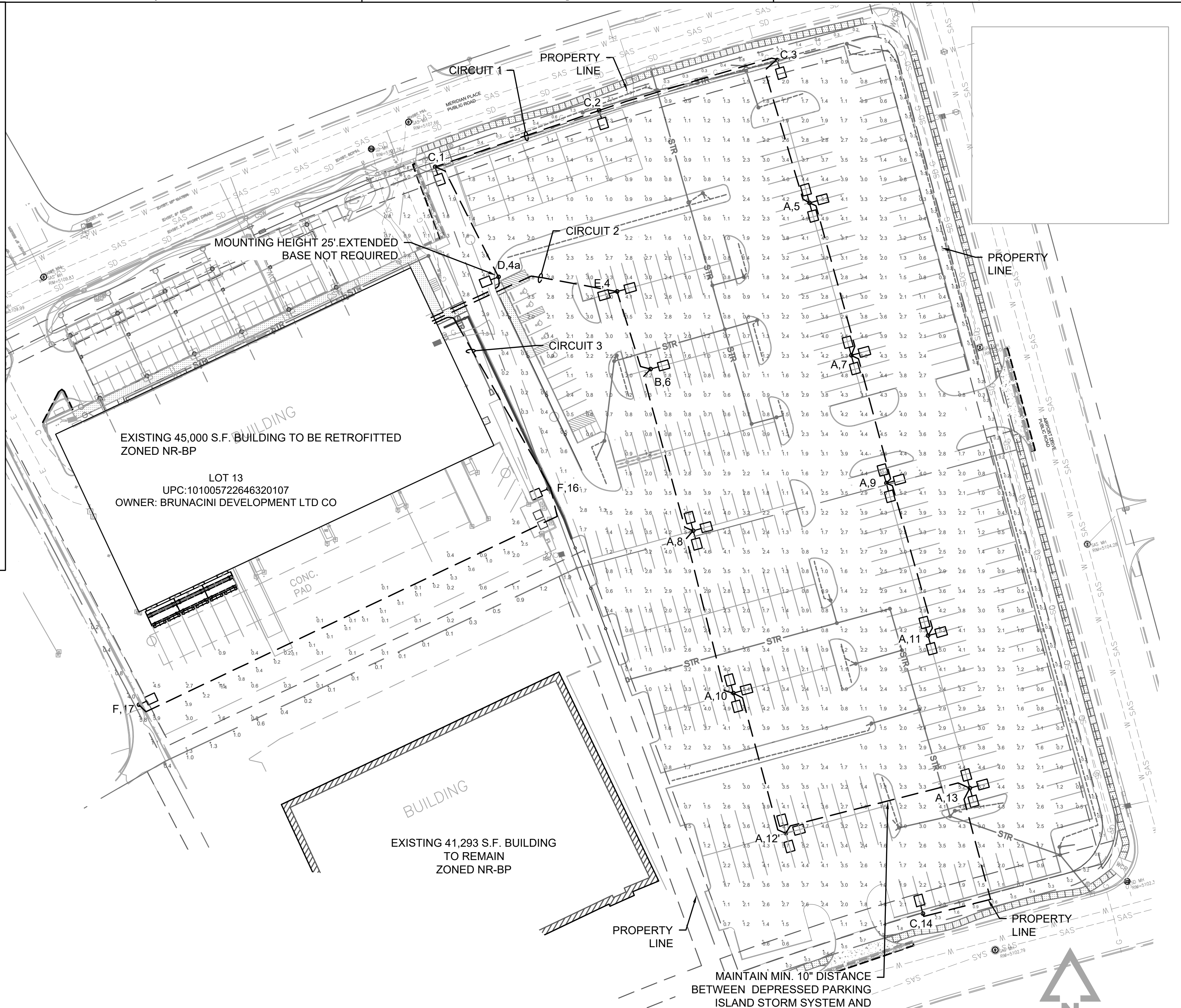
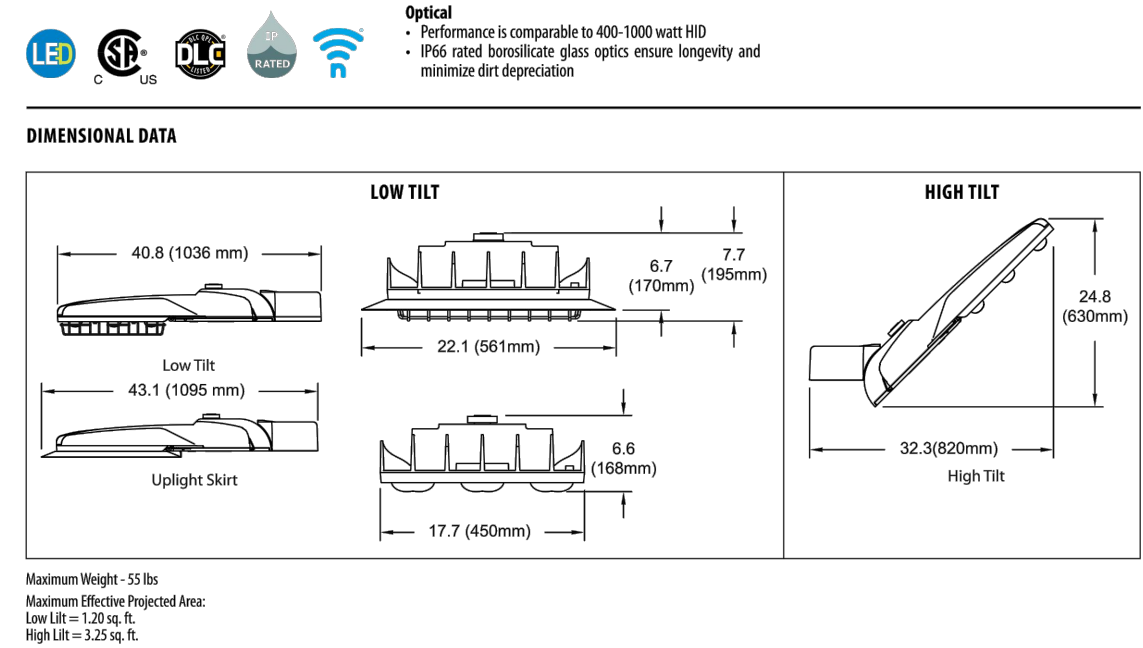
**Certification & Standards**

- UL Certified to US and Canadian standards
- UL Listed for operation in an ambient temperature up to 40°C / 104°F for standard product
- DesignLife Certified (DLC) qualified product. See all warranties of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlife.com
- UL 79 certified
- The proposed LED Lumen Maintenance shall be based only on E51-04-01 and E51-21

**Warranty**

- 5-year limited warranty. Complete warranty terms located at www.holophane.com

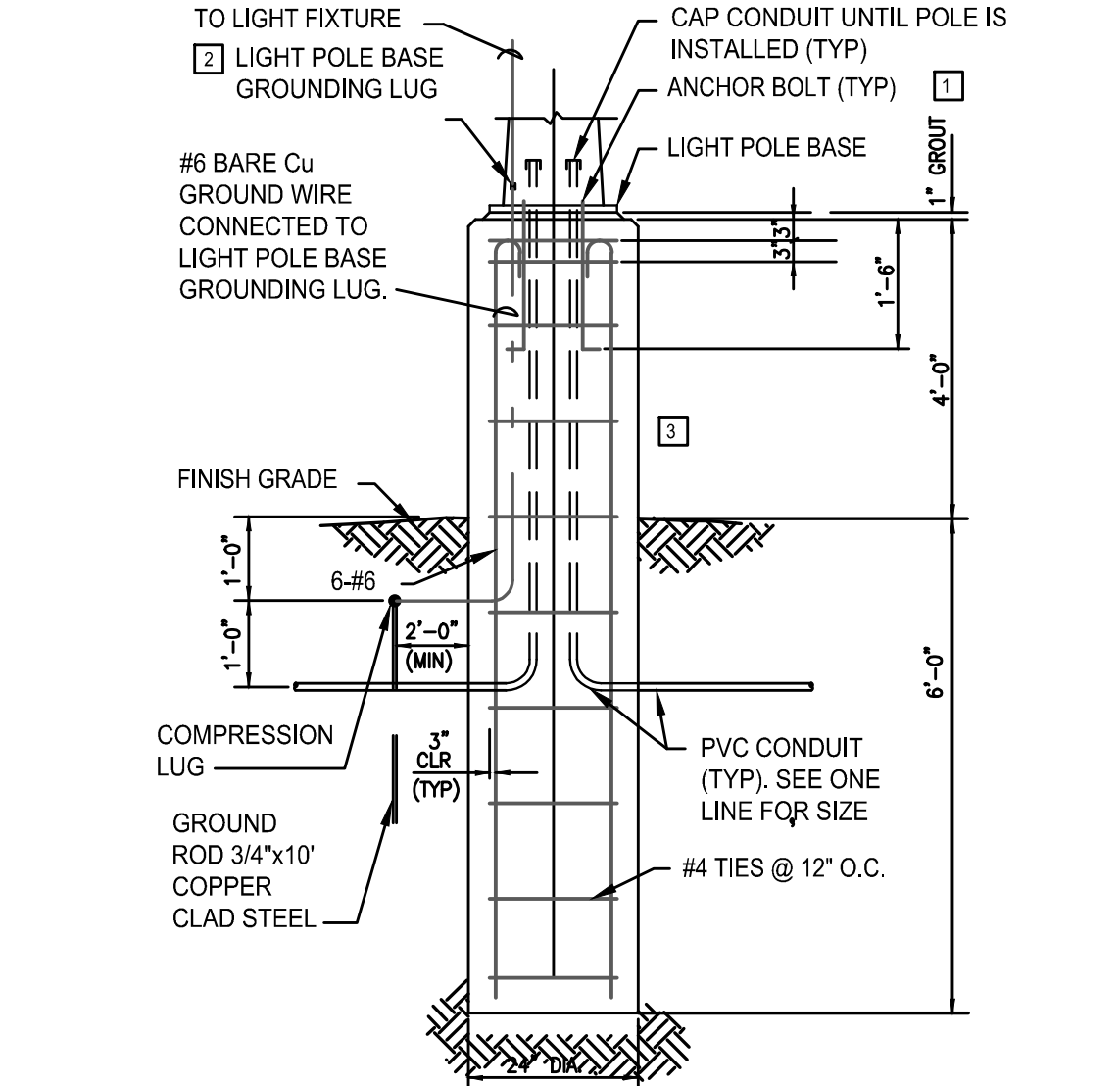
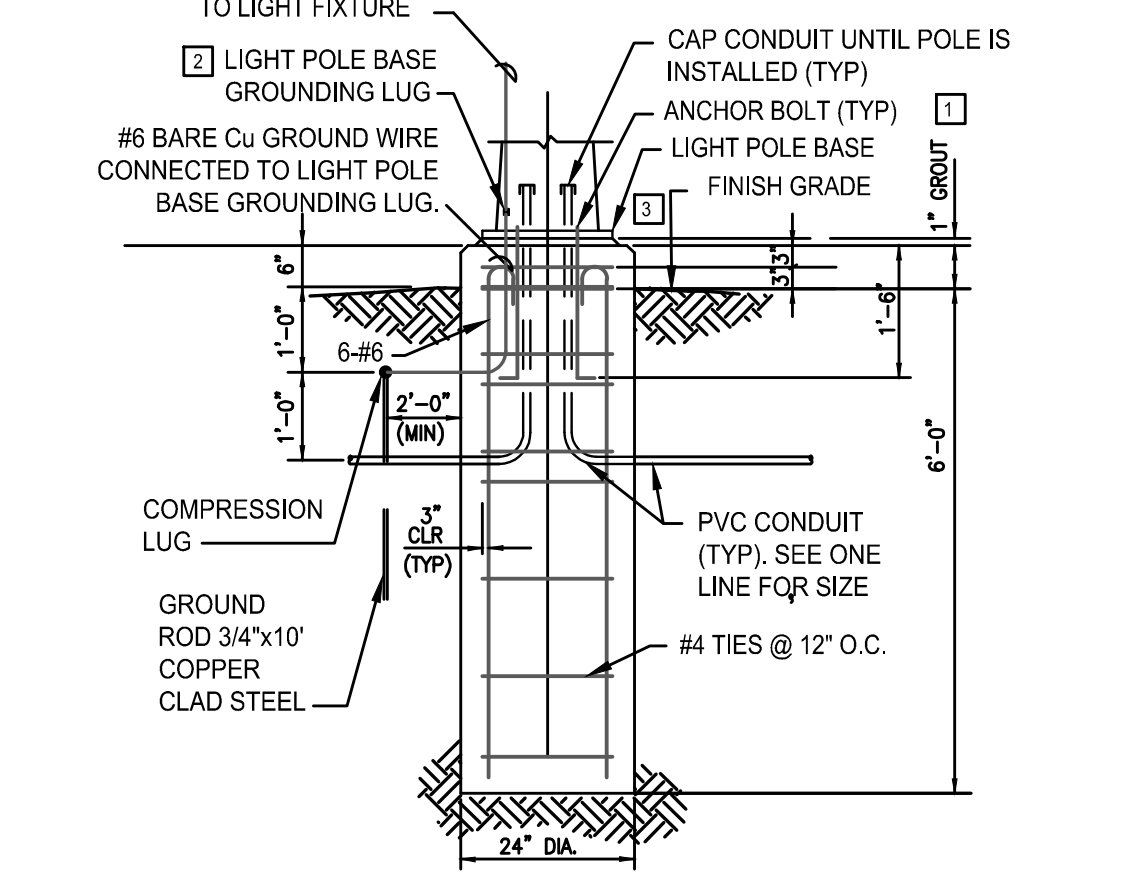
**Note:** Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C.



Symbol	Tag	Catalog Number	Qty	Lumens*	Watts*	LLF	NOTES
	A	LUM-V-SQ-M-80PLED-700mA-NW-277-RAL-9005-T	8 (24)	18139	184	0.90	1,2
	B	LUM-PLD-VSQ-W-80LED-700mA-NW-277RAL-9005-T	1	17704	183	0.90	1,2
	C	LUM-PLD-III-W-80LED-700mA-NW-277-RAL-9005-T	4	16195	183	0.90	1,2
	D	LUM-IV-FT-80PLED-700mA-NW-277-RAL-9005-T	1	16143	183	0.90	1,2
	E	LUM-V-SQ-M-80PLED-700mA-NW-277-RAL-9005-T	1 (2)	18139	184	0.90	1,2
	F	MGLD P1 40K MVOLT FT LT VT BKSD US	2	34396	246	0.90	1,3

- NOTES:
- POLE NUMBER NEXT TO FIXTURE TAG. \*LUMENS AND WATTS ARE PER EACH LUMINAIRE HEAD.
  - MOUNT FIXTURE ON 25" SSS US ARCHITECTURAL SNTS 255-11-RAL-9005-S. SPECIFY DRILL MOUNT (PER PLAN). 4' EXTENDED CONCRETE BASE REQUIRED.
  - MOUNT HOLOPHANE MONGOOSE FIXTURE ON 25" SSS US ARCHITECTURAL SNTS 255-11-PT23-RAL-9005-S.

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING LOT	Fc	2.35	5.7	0.3	7.8	19.0
CROSSWALK	Fc	3.16	4.0	2.1	1.50	1.90
60' DOCK DIMENSION	Fc	0.91	3.9	0.1	9.10	39.00
DOCK AREA	Fc	1.11	5.9	0.1	11.10	59.00



- NOTE:
- ANCHOR BOLTS SHALL BE DESIGNED AND FURNISHED BY THE LIGHT POLE MANUFACTURER. ANCHOR BOLTS PROVIDED SHALL BE GALVANIZED.
  - BOND INCOMING EQUIPMENT GROUNDING CONDUCTOR TO LIGHT POLE BASE GROUNDING LUG.
  - ALL CONCRETE POLE BASES SHALL BE CONSOLIDATED BY AN INTERNAL TYPE VIBRATOR.

**SNTS SERIES**

ENGINEERING DATA

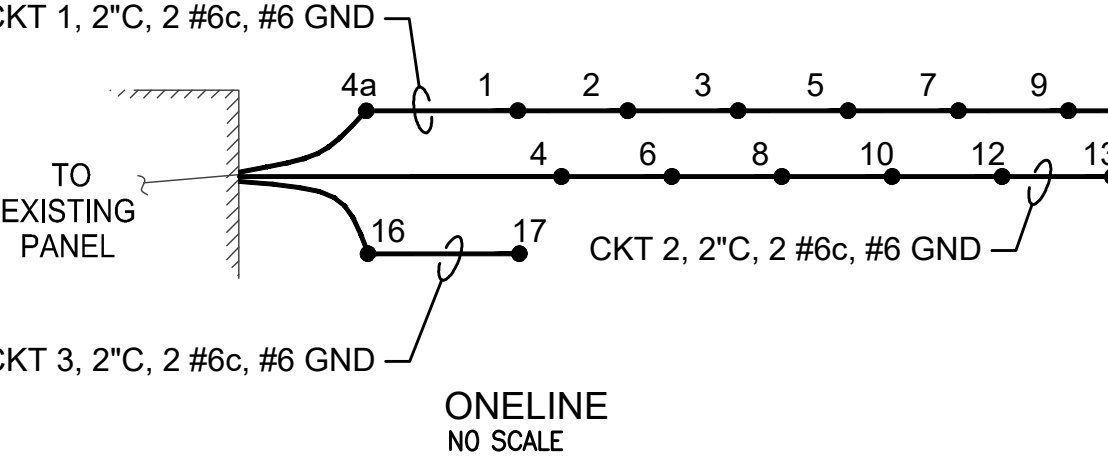
Maximum EPA - Square Feet

Catalog Number	Maximum Fixt. wgt.	100 MPH	90 MPH	80 MPH	70 MPH
SNTS 105-11	400	10.9	14.5	20.2	27.0
SNTS 205-11	400	8.6	12.0	16.6	23.3
SNTS 205-7	450	15.7	19.2	25.1	31.2
SNTS 255-11	400	5.1	6.5	9.8	14.6
SNTS 255-7	400	9.4	12.4	17.0	23.8
SNTS 305-11	350	N/A	2.8	5.7	7.5
SNTS 305-7	375	5.6	8.7	12.1	18.2
SNTS 355-7	350	2.5	5.2	9.3	14.9

All above design calculations are based on sustained wind forces plus additional 13 wind gust (Example: Pole rated at 80 MPH with gusts to 94 MPH gust)

**ORDERING INFORMATION**

MODEL NO.	POLES	MOUNTING	FINISH	OPTIONS
SNTS	<input type="checkbox"/> 188-11 18" 11" 110" 1"X3/8"X4"	<input type="checkbox"/> 2" 3/8" TENON PT23	<input type="checkbox"/> STANDARD BRUSH FINISH	<input type="checkbox"/> DUREX RECEPTACLE CLIP
SNTS	<input type="checkbox"/> 205-11 20" 11" 110" 1"X3/8"X4"	<input type="checkbox"/> 2" 7/8" TENON PT27	<input type="checkbox"/> BLACK RAL9005	<input type="checkbox"/> QP RECEPTACLE CLIP
SNTS	<input type="checkbox"/> 205-7 20" 7" 110" 1"X3/8"X4"	<input type="checkbox"/> OTHER TENON MT	<input type="checkbox"/> WHITE RAL9003	<input type="checkbox"/> 3 WAY ADAPTER T3120
SNTS	<input type="checkbox"/> 255-11 25" 11" 110" 1"X3/8"X4"	<input type="checkbox"/> DRILL MOUNT	<input type="checkbox"/> GREY RAL7004	<input type="checkbox"/> 1/2" COUPLING CPLN3/4
SNTS	<input type="checkbox"/> 255-7 25" 7" 110" 1"X3/8"X4"	<input type="checkbox"/> 3-120 REQUIRES PT27 AND T318 ADAPTER	<input type="checkbox"/> OPR BRONZE RAL8018	<input type="checkbox"/> 3/4" COUPLING CPLN3/4
SNTS	<input type="checkbox"/> 305-11 30" 11" 110" 1"X3/8"X4"		<input type="checkbox"/> GREEN RAL6005	<input type="checkbox"/> 2" COUPLING CPLN2
SNTS	<input type="checkbox"/> 305-7 30" 7" 110" 1"X3/8"X4"		<input type="checkbox"/> RED RAL3007	<input type="checkbox"/> 2" COUPLING CPLN2
SNTS	<input type="checkbox"/> 355-7 35" 7" 110" 1"X3/8"X4"		<input type="checkbox"/> BLUE RAL5015	<input type="checkbox"/> 2" COUPLING CPLN2
SNTS	<input type="checkbox"/> 355-7 35" 7" 110" 1"X3/8"X4"		<input type="checkbox"/> CLEAR RAL9001	<input type="checkbox"/> 2" COUPLING CPLN2



**brr**

ARCHITECT OF RECORD:

8131 METCALF SUITE 300 OVERLAND PARK, KS 66204

www.brrarch.com

TEL: 913-262-9095 FAX: 913-262-9044

Consultants

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ENGINEER OF RECORD: CALEB FLAKE

1700 SWIFT STREET SUITE 100 NORTH KANSAS CITY, MO 64116

www.mccresults.com

TEL: 816-756-0444 FAX: 816-756-1763

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Revisions

NO.	DATE	DESCRIPTION
5	12/30/2020	BUILDING EXT. & SITE
6	11/09/2021	EXTERIOR SITE REVISIONS

WAQ1 - Albuquerque, NM

**WAQ1 - Albuquerque, NM**

7300 Meridian Pl NW

Albuquerque, NM 87121

Project Manager: CJF

Checked by: MVE

Drawn by: ELM

Document date: 04/17/2020

Project No. 30000481 MEC# 191313-000

Professional Seal

CALEB J. FLAKE

REGISTERED PROFESSIONAL ENGINEER

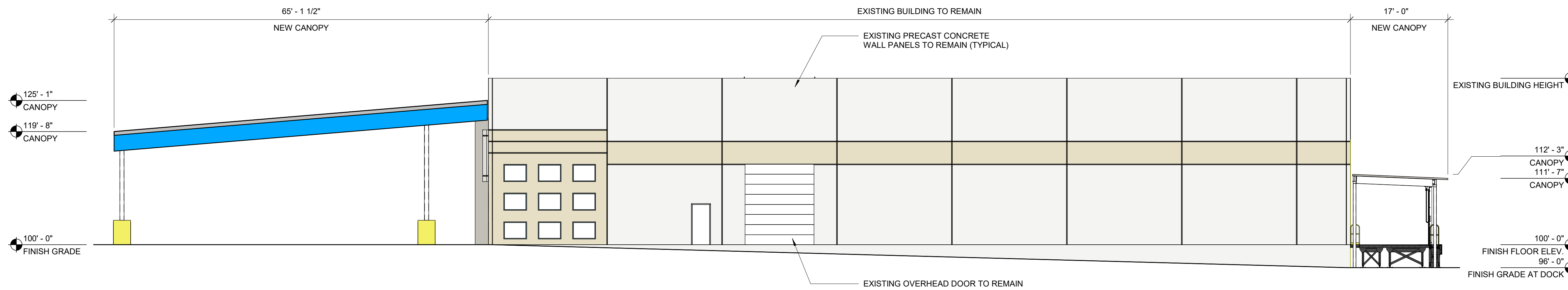
24114

1-19-2021

Sheet Title

PHOTOMETRIC PLAN

Sheet No. C6.01



**1 WEST EXTERIOR ELEVATION**  
 3/32" = 1'-0"  
 1 2 5 10

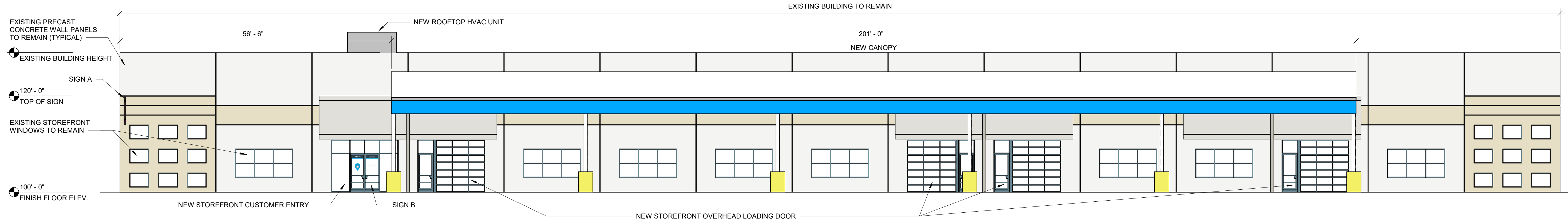
**SHEET NOTES**

1. ALL ELEMENTS OF A SIGN SHALL BE MAINTAINED IN A VISUALLY APPEALING MANNER.
2. FREE-STANDING SIGNS SHALL BE DESIGNED THAT DO NOT REQUIRE ANY EXTERNAL BRACING, ANGLE-IRON SUPPORTS, GUY WIRES OR SIMILAR DEVICES.
3. NO SIGNAGE IS ALLOWED THAT USES MOVING PARTS, MAKES AUDIBLE SOUNDS, OR HAS BLINKING OR FLASHING LIGHTS.
4. ALL SIGNAGE SHALL BE DESIGNED TO BE CONSISTENT WITH AND COMPLEMENT THE MATERIALS, COLOR, AND ARCHITECTURAL STYLE OF THE BUILDING OR SITE LOCATION.
5. SIGNAGE MAY BE ILLUMINATED BY CONCEALED LIGHT SOURCES LOCATED FLUSH WITH GRADE OR WITH BACK LIT CHANNELLED LETTERS.
6. NO SIGN SHALL OVERHANG INTO THE PUBLIC RIGHT-OF-WAY OR EXTEND ABOVE THE BUILDING ROOF LINE.
7. ONE FREE-STANDING SIGN IS ALLOWED FOR EACH STREET FRONTAGE OF EACH PREMISES WHICH HAS AT LEAST 200 LINEAR FEET OF STREET FRONTAGE.

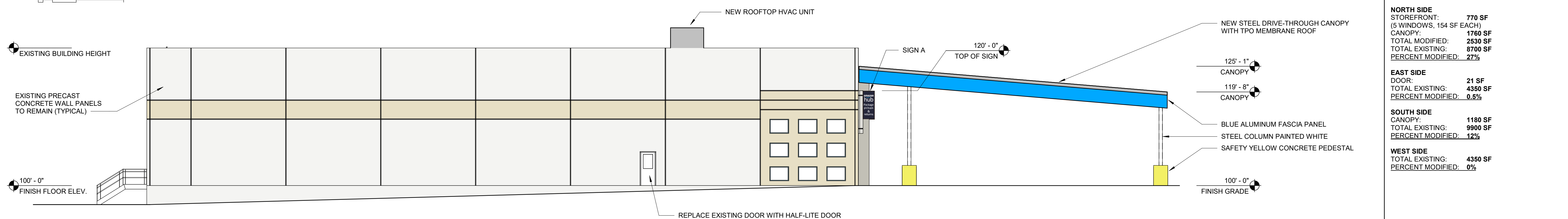
**SIGNAGE LEGEND**

**SIGN A:** 30" X 72" 15 SF  
**SIGN B:** 72" X 96" 48 SF

**SIGN A:** BLACK ALUMINUM CABINET, BLUE AND WHITE ACRYLIC SIGN, LED INTERNAL ILLUMINATION.  
**SIGN B:** VINYL GRAPHICS APPLIED TO GLASS.



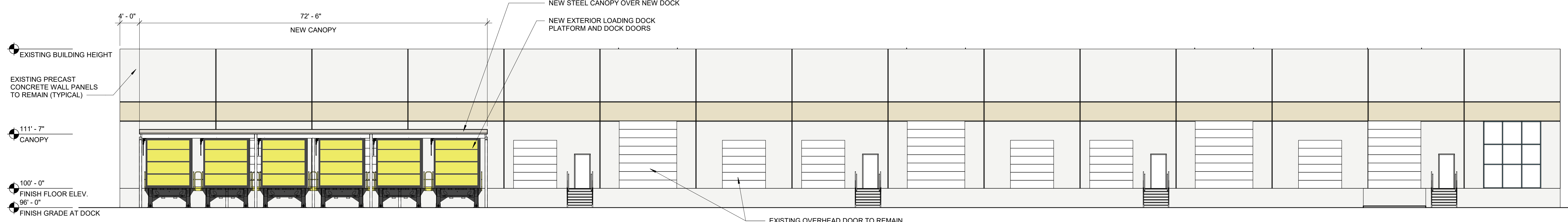
**2 NORTH EXTERIOR ELEVATION**  
 3/32" = 1'-0"  
 1 2 5 10



**3 EAST EXTERIOR ELEVATION**  
 3/32" = 1'-0"  
 1 2 5 10

**ELEVATION CHANGE CALCULATIONS**

<b>NORTH SIDE</b>	
STOREFRONT: (5 WINDOWS, 154 SF EACH)	770 SF
CANOPY:	1760 SF
TOTAL MODIFIED:	2530 SF
TOTAL EXISTING:	8700 SF
PERCENT MODIFIED:	27%
<b>EAST SIDE</b>	
DOOR:	21 SF
TOTAL EXISTING:	4350 SF
PERCENT MODIFIED:	0.5%
<b>SOUTH SIDE</b>	
CANOPY:	1180 SF
TOTAL EXISTING:	9900 SF
PERCENT MODIFIED:	12%
<b>WEST SIDE</b>	
TOTAL EXISTING:	4350 SF
PERCENT MODIFIED:	0%



**4 SOUTH EXTERIOR ELEVATION**  
 3/32" = 1'-0"  
 1 2 5 10



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**WAQ1 - Albuquerque, NM**  
 7300 Meridian PI NW  
 Albuquerque, NM 87121

Document date:  
 04/17/2020

**FOR PRESENTATION ONLY**

EXTERIOR ELEVATIONS

**ELEV\_002**

9/29/2020 9:31:26 AM











# PR-2020-003650\_SI-2020-01060\_Site\_Plan\_Aproved\_11-18-20\_Sheet\_1











Final Audit Report

2021-01-19

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Status:	Signed
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