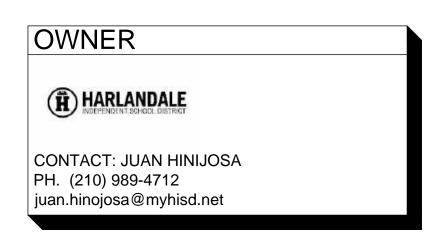
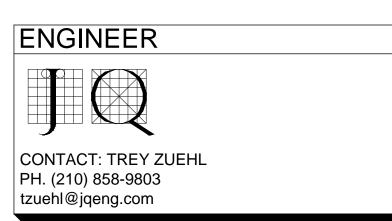
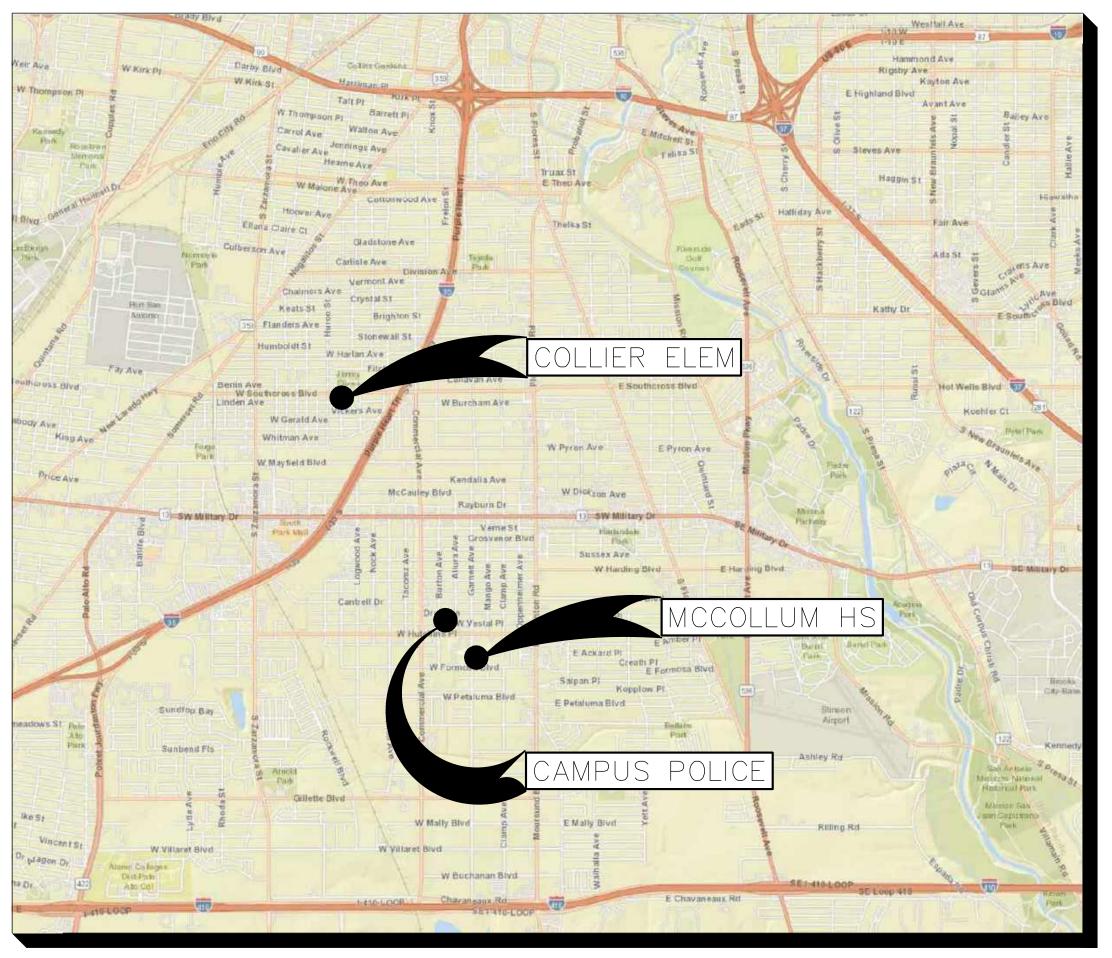
# CONSTRUCTION PLANS FOR

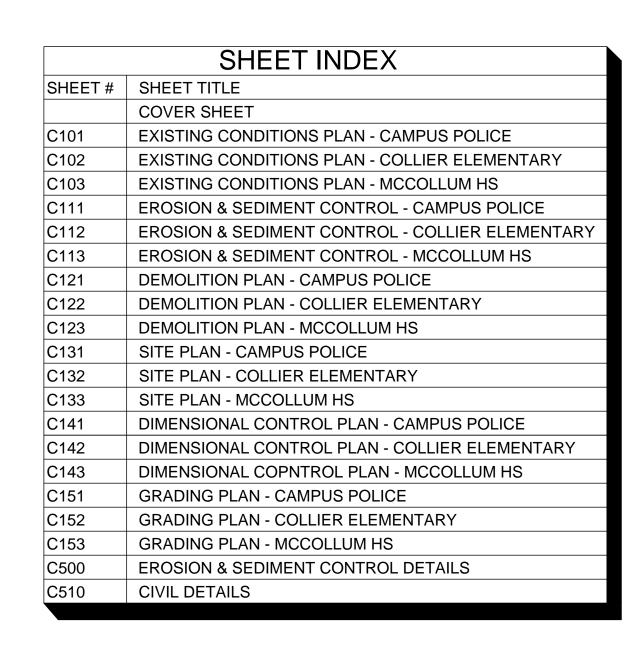
# HISD PARKING LOT IMPROVEMENTS MULTIPLE CAMPUSES SAN ANTONIO, TEXAS





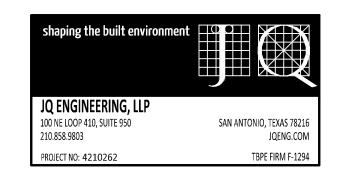


 $\frac{\text{VICINITY MAP}}{\text{\tiny N.T.S.}}$ 



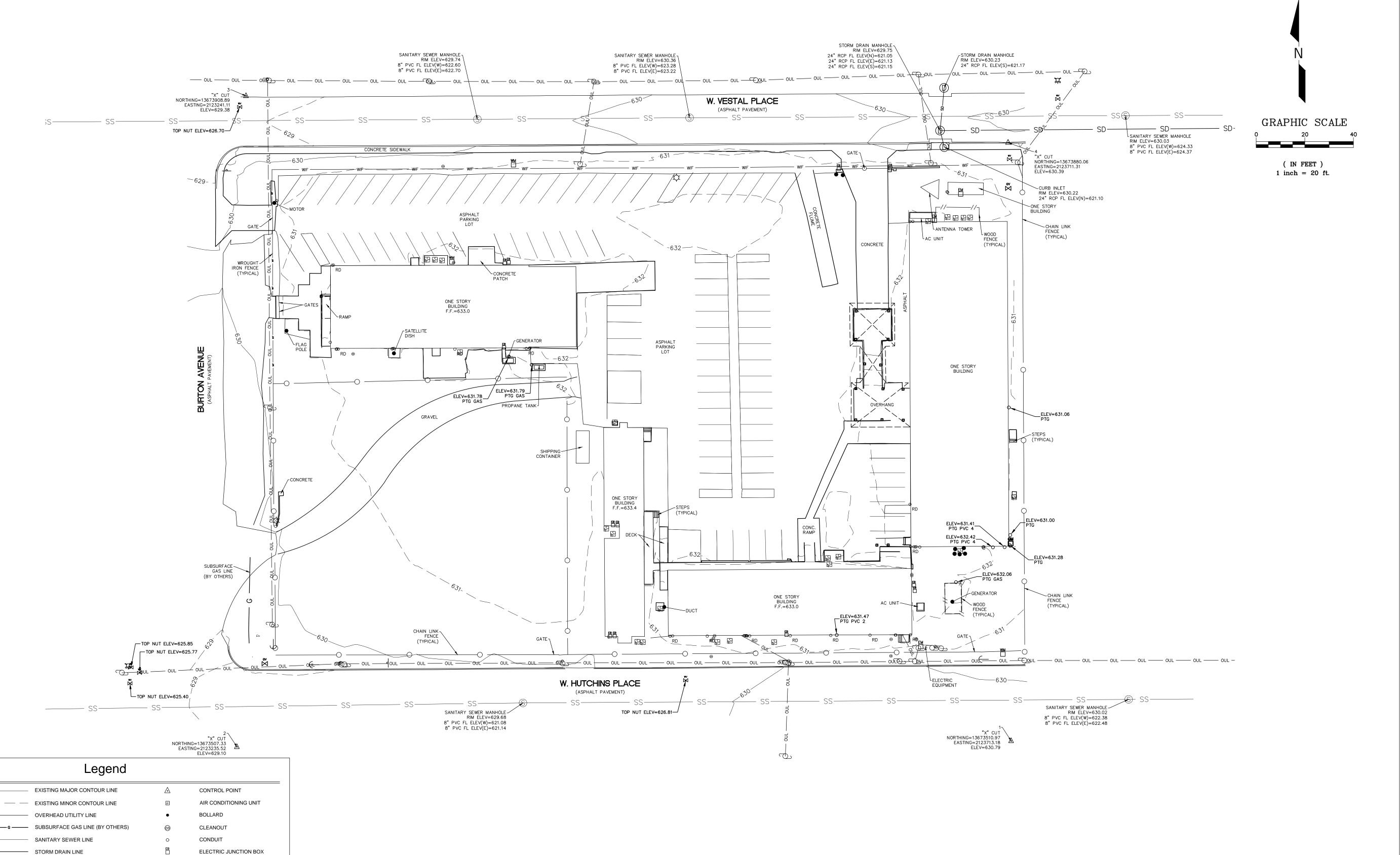
### Sequence of Construction

- 1. INSTALL TEMPORARY EROSION/SEDIMENTATION CONTROL AS INDICATED ON C111, C112 & C113 OF THESE PLANS.
- 2. CALL TO LOCATE ALL UNDERGROUND UTILITIES.
- 3. DEMO ITEMS AS NOTED ON SHEETS C121, C122 & C123
- 4. GRADE SITE.
- 5. CONSTRUCT/SEAL COAT PARKING AREAS.
- 6. PERFORM PERMANENT RESTORATION OF DISTURBED AREAS.
- 7. REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS









ASPHALT

\_\_\_\_\_ OVERHANG

WROUGHT IRON FENCE

**BUILDING FACE** 

PARKING STRIPE

TOP OF CURB

FIRE HYDRANT

GAS METER

GAS VALVE

**GUY ANCHOR** 

LIGHT POLE

SANITARY SEWER MANHOLE

STORM DRAIN MANHOLE

SUPPORT COLUMN

UTILITY POLE

WATER VALVE

FINISHED FLOOR

PIPE TO GROUND

POLYVINYL CHLORIDE PIPE

REINFORCED CONCRETE PIPE

**ELEVATION** 

**FLOWLINE** 

**ROOF DRAIN** 

RCP

CONTROL POINT DETAILS

NORTHING=13673510.97

NORTHING=13673507.33 EASTING=2123235.52

NORTHING=13673908.89

NORTHING=13673880.06

EASTING=2123711.31

EASTING=2123241.11

EASTING=2123713.18

ELEV=630.79

ELEV=629.10

ELEV=629.38

ELEV=630.39

"X" CUT

"X" CUT

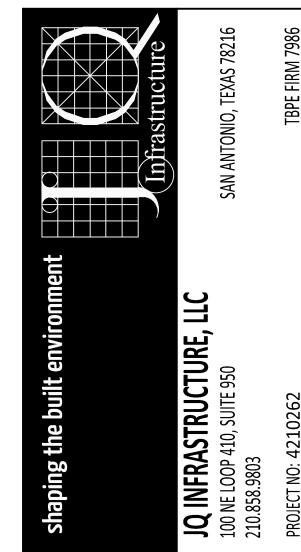
"X" CUT

"X" CUT

# GENERAL NOTE

- 1. THE HORIZONTAL DATUM IS REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM 1983 (2011), BASED UPON GPS OBSERVATIONS OF THE ALLTERRA CENTRAL VIRTUAL REFERENCE NETWORK, EPOCH 2011.
- 2. THE VERTICAL DATUM IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88), REFERENCED TO THE ALLTERRA
- CENTRAL VIRTUAL REFERENCE NETWORK, GEOID 12B.

  3. COORDINATES SHOWN ARE GRID IN U.S. SURVEY FEET AND BASED UPON GPS RTK OBSERVATIONS.
- 4. SUBSURFACE UTILITIES SHOWN HEREON ARE APPROXIMATE AND INTERPOLATED TO ABOVE GROUND APPURTENANCES AND DO NOT CONSTITUTE A SUBSURFACE UTILITY ENGINEERING INVESTIGATION.
- 5. DATE OF SURVEY: 10-20-2021





# I andal e ISD king Lot Improvements enevieve Drive

4/15/22 - ISSUE FOR BID/CONSTRUCTION
Issue Date & Description

ERLATH W. ZUEHL III

PROJECT NAME:
Harlandale ISD Parking Lot Improvements

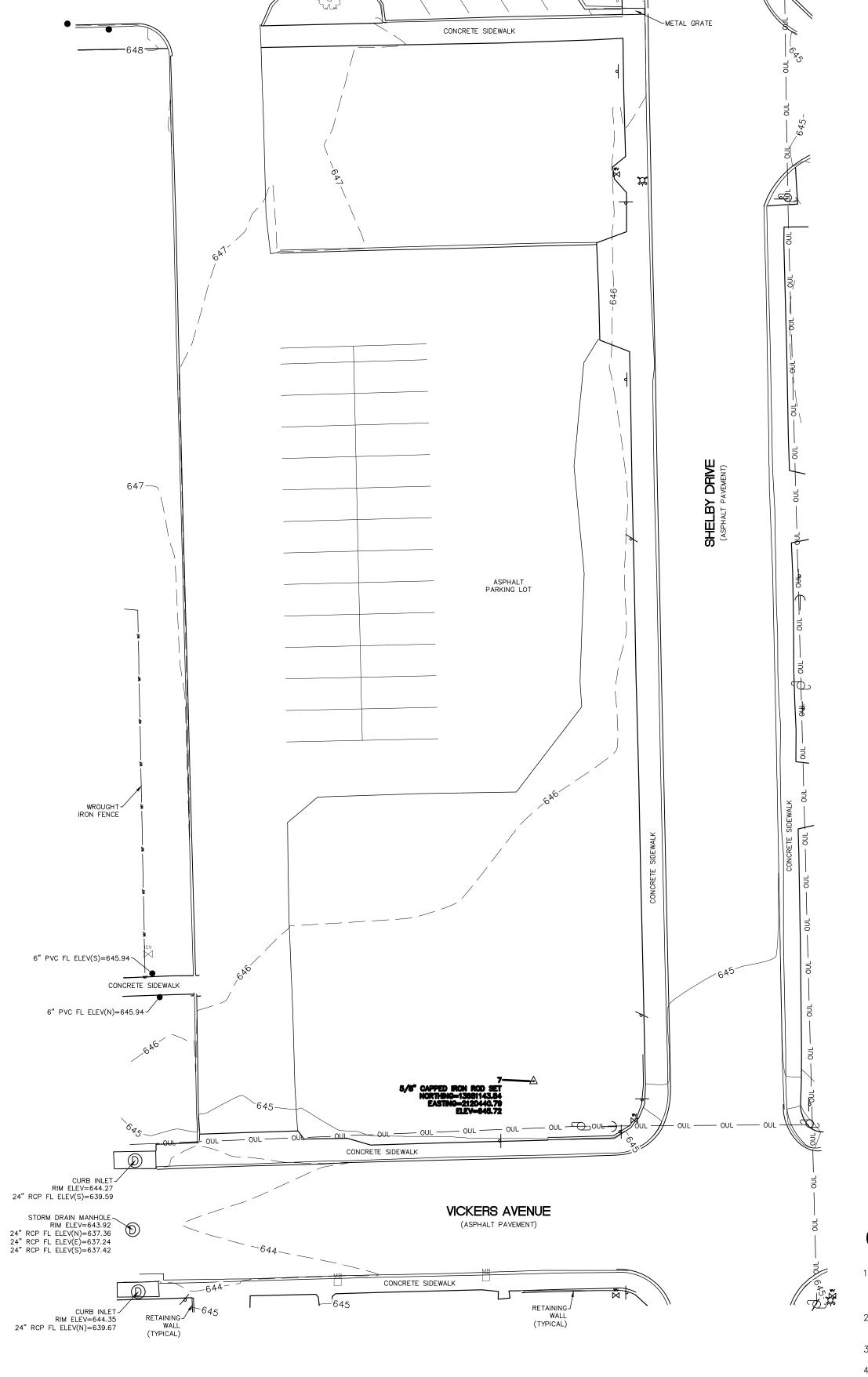
ENGINEER TZ
DRAWN BY BB
PROJECT NO. 4210262

Existing
Conditions Plan
Campus Police

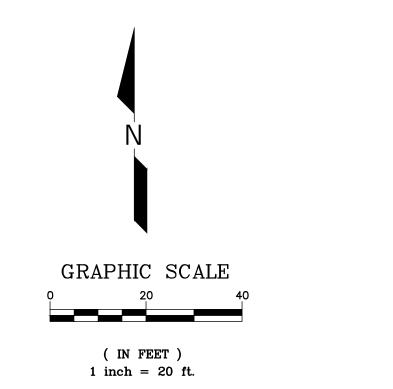
CONTROL POINT DETAILS

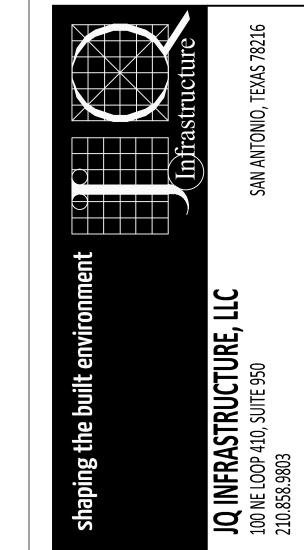
7
5/8" CAPPED IRON ROD SET
NORTHING=13681143.84
EASTING=2120440.79
ELEV=645.72

8 MAG NAIL SET NORTHING=13681464.99 EASTING=2120419.15 ELEV=646.68



6" OAK TREE-







# Isu Improvements

dal

32 Genevieve Drive an Antonio exas 78214

4/15/22 - ISSUE FOR BID/CONSTRUCTION

Issue Date & Description

ERLATH W. ZUEHL III
89535

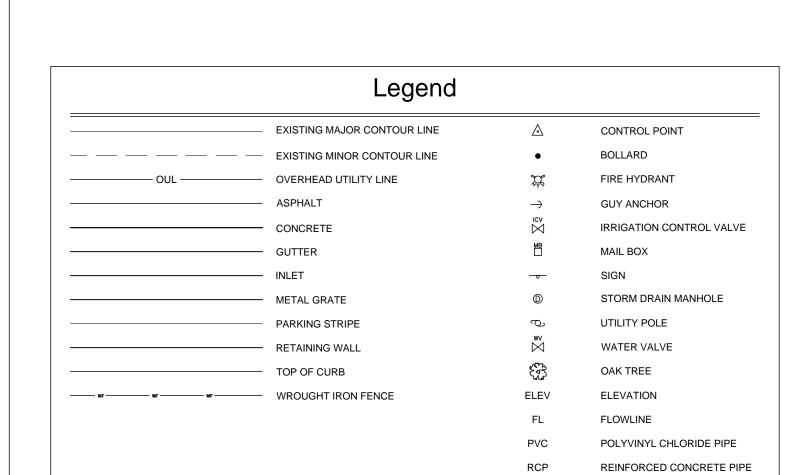
PROJECT NAME:
Harlandale ISD Parking Lot Improvements

ENGINEER TZ
DRAWN BY BB
PROJECT NO. 4210262

Existing Conditions Plan Collier ES



- THE HORIZONTAL DATUM IS REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM 1983 (2011), BASED UPON GPS OBSERVATIONS OF THE ALLTERRA CENTRAL VIRTUAL REFERENCE NETWORK, EPOCH 2011.
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- 3. COORDINATES SHOWN ARE GRID IN U.S. SURVEY FEET AND BASED UPON GPS RTK OBSERVATIONS.
- 4. DATE OF SURVEY: 10-20-2021



CONTROL POINT DETAILS

MAG NAIL SET NORTHING=13672762.92 EASTING=2123679.39 ELEV=624.40

MAG NAIL SET NORTHING=13672519.18 EASTING=2123679.20 ELEV=621.32

Legend

CONTROL POINT

ELECTRIC JUNCTION BOX

IRRIGATION CONTROL VALVE FL

SANITARY SEWER MANHOLE RCP

ELECTRIC MANHOLE

ELECTRIC METER

FIRE HYDRANT

LIGHT POLE

BOLLARD

STORM DRAIN MANHOLE

TELEPHONE MANHOLE

POLYVINYL CHLORIDE PIPE

REINFORCED CONCRETE PIPE

WATER METER

WATER VALVE

OAK TREE

**ELEVATION** 

ELEV

EXISTING MAJOR CONTOUR LINE igtriangle

— — — EXISTING MINOR CONTOUR LINE

— CONCRETE

GRATE INLET

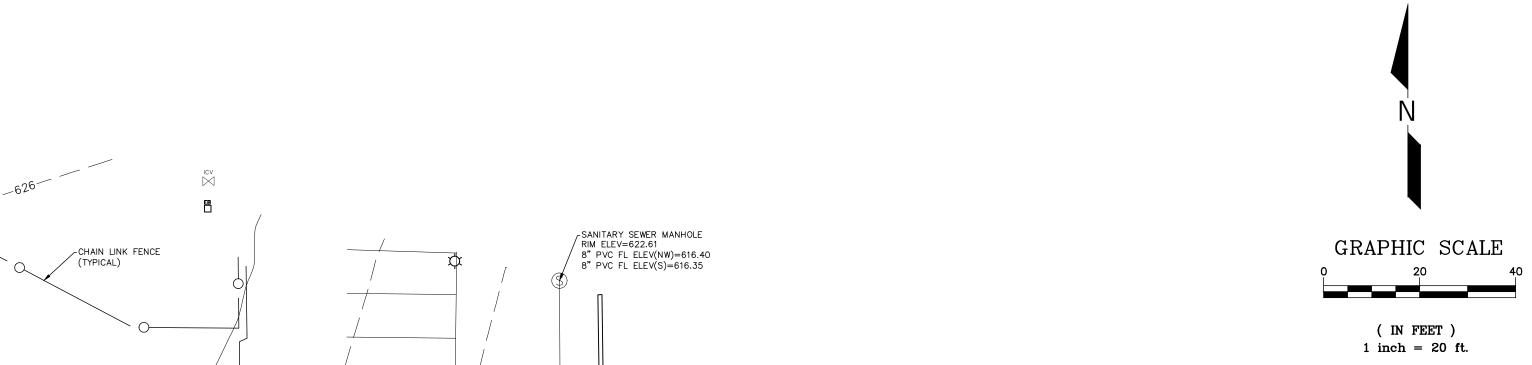
PARKING STRIPE

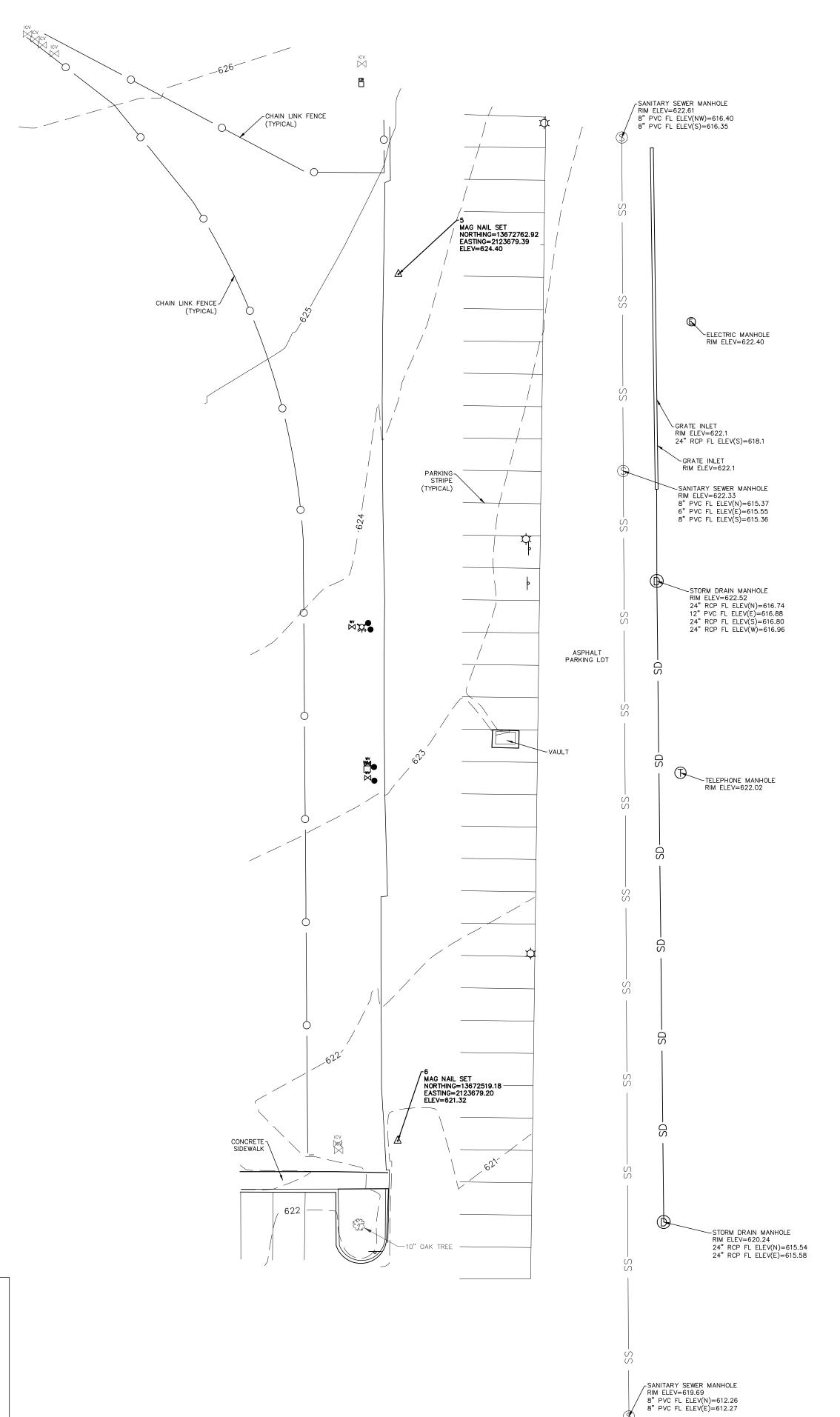
SANITARY SEWER LINE

TOP OF CURB

——O—O—O——O——— CHAIN LINK FENCE

———— SD———— STORM DRAIN LINE

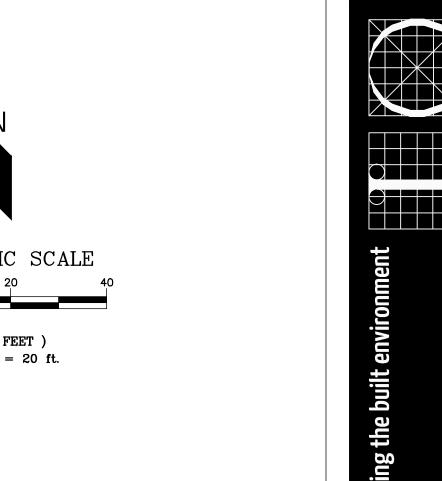






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- 5. DATE OF SURVEY: 10-20-2021





# ISD Improvements

da

an

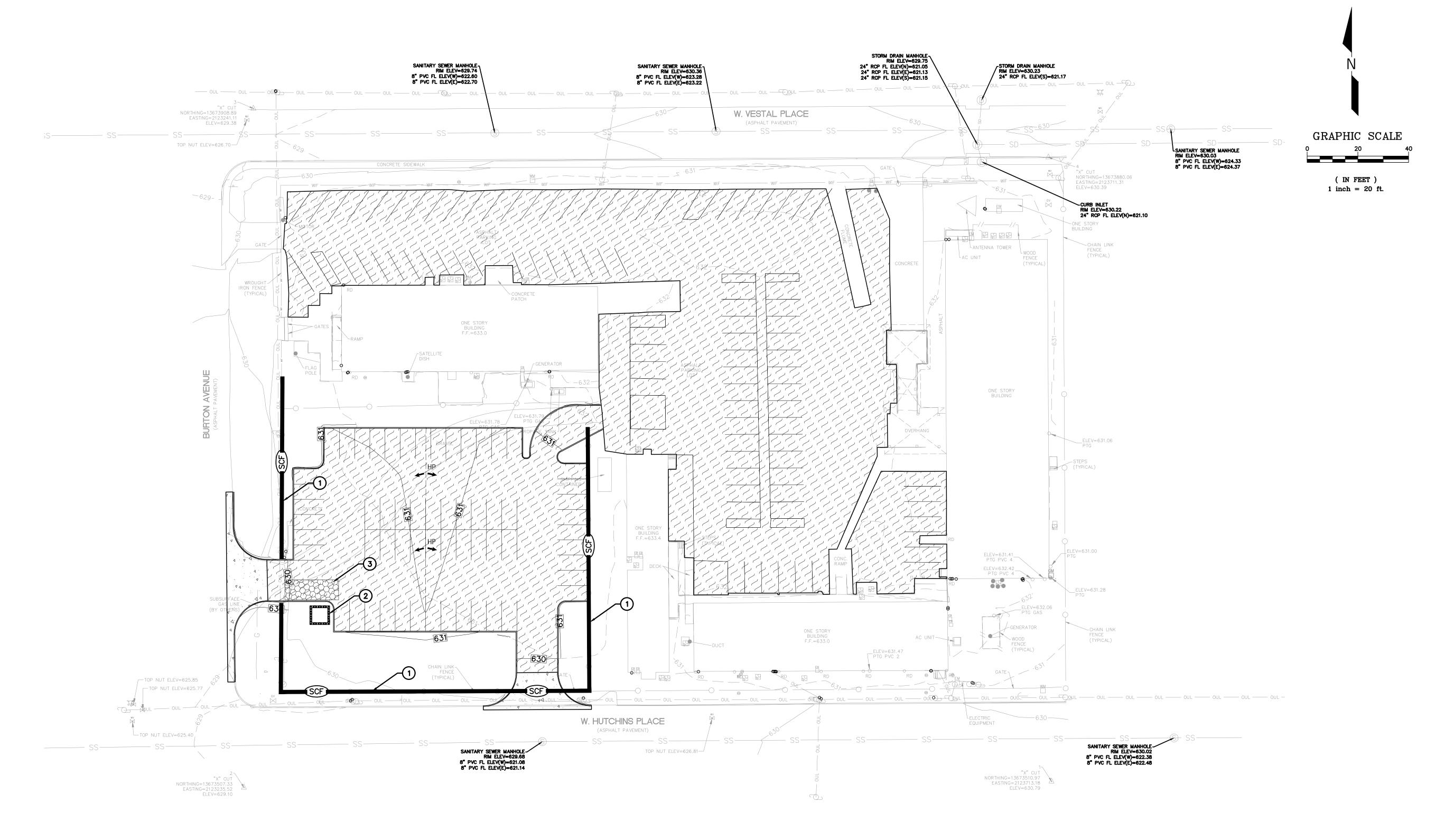
Parking Lot 1 2 Genevieve Drive an Antonio exas 78214

15/22 - ISSUE FOR BID/CONSTRUCTION
sue Date & Description
ERLATH W. ZUEHL III  89535  CENSE  ONAL ENG 4/15/22

ı	PROJECT NAME:
	Harlandale ISD Parking Lot Improvements

ENGINEER TZ
DRAWN BY BB
PROJECT NO. 4210262

Existing Conditions Plan McCollum HS



# **Erosion Control Notes**

- THE CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING STORM WATER DISCHARGE AND EROSION AND SEDIMENT CONTROL.
- EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE BEGINNING SOIL DISTURBING ACTIVITIES.

### Keynotes

- 1) SILT FENCE, SEE DETAIL 1/C500
- 2 CONCRETE WASHOUT PIT, SEE DETAIL 2/C500
- 3 CONSTRUCTION ENTRANCE, SEE DETAIL 3/C500

### Legend

PROPOSED CONTOUR
AND ELEVATION

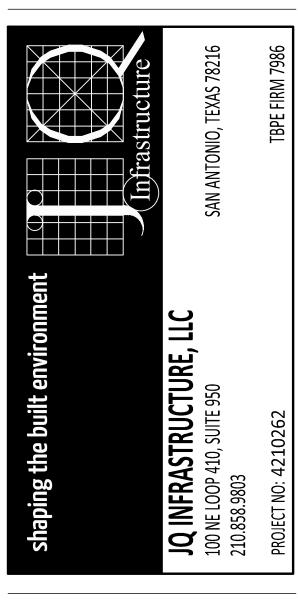
EXISTING CONTOUR
AND ELEVATION

CONSTRUCTION ENTRANCE,

SEE DETAIL 3/C500

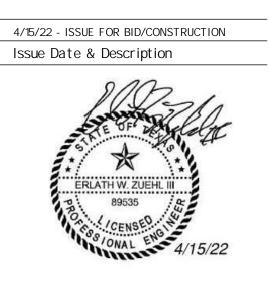
SILT FENCE, SEE DETAIL 1/C500

CONCRETE WASHOUT PIT, SEE DETAIL 2/C500





# Harlandale ISD Parking Lot Improvements

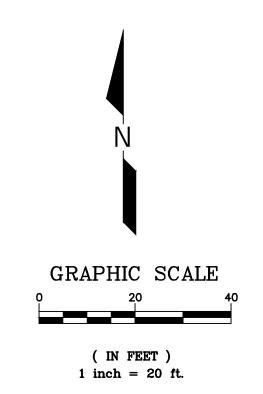


PROJECT NAME:
Harlandale ISD Parking Lot Improvements

ENGINEER
DRAWN BY
PROJECT NO.

Erosion &
Sediment Control
Plan
Campus Police

# 6" PVC FL ELEV(S)=645.94~ CONCRETE SIDEWALK VICKERS AVENUE (ASPHALT PAVEMENT)



# Legend

704	PROPOSED CONTOUR AND ELEVATION
712 ——	EXISTING CONTOUR AND ELEVATION
	CONSTRUCTION ENTRANCE, SEE DETAIL 3/C500
SCF	SILT FENCE, SEE DETAIL 1/C500
	CONCRETE WASHOUT PIT, SEE DETAIL 2/C500

# Keynotes

- 1) SILT FENCE, SEE DETAIL 1/C500
- 2 CONCRETE WASHOUT PIT, SEE DETAIL 2/C500 3 CONSTRUCTION ENTRANCE, SEE DETAIL 3/C500

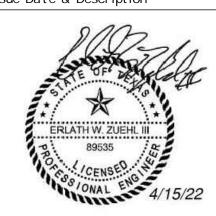




arking Lot Improvements
2 Genevieve Drive
an Antonio

4/15/22 - ISSUE FOR BID/CONSTRUCTION

Issue Date & Description



PROJECT NAME:
Harlandale ISD Parking Lot Improvements

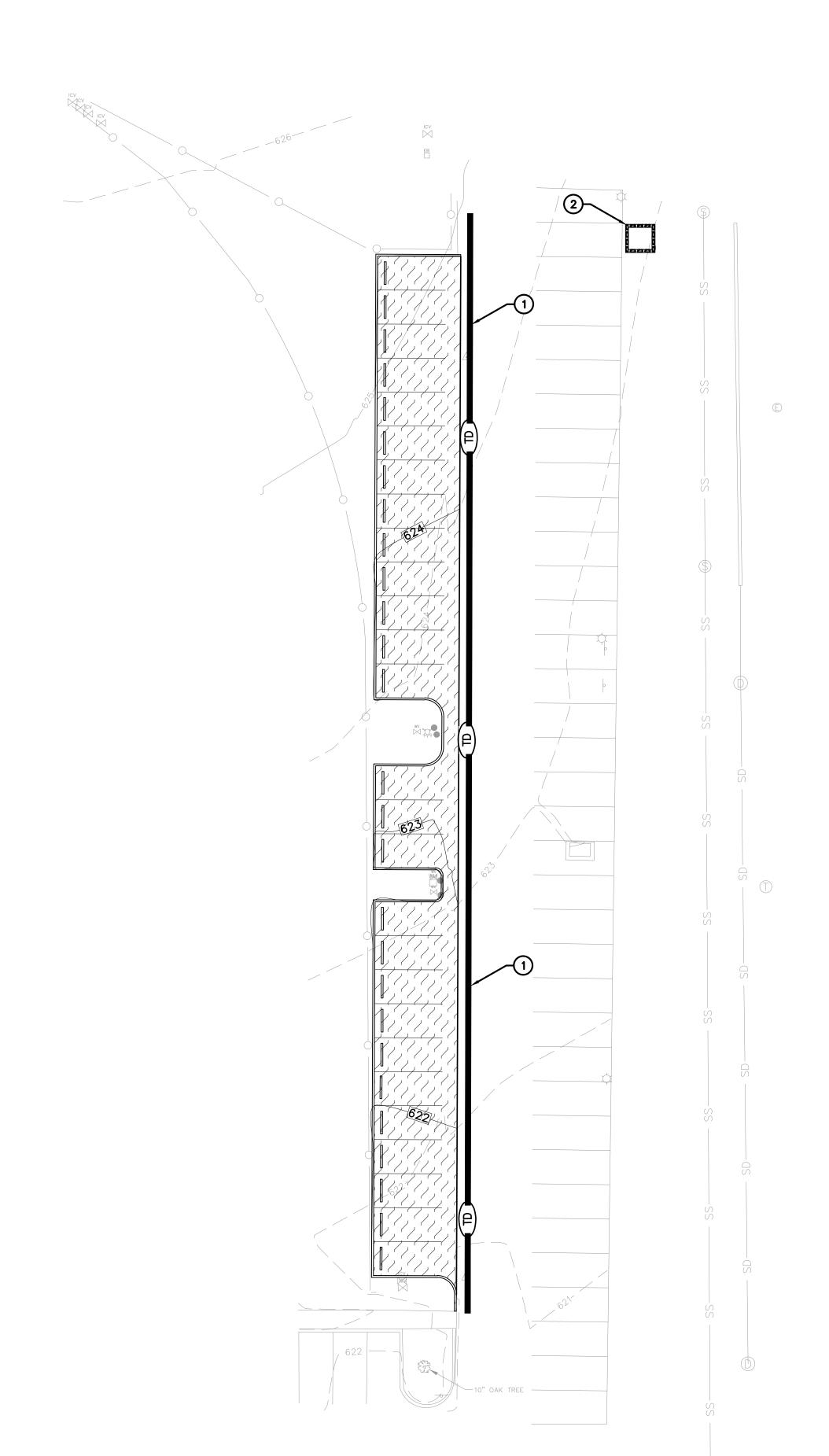
ENGINEER
DRAWN BY
PROJECT NO.

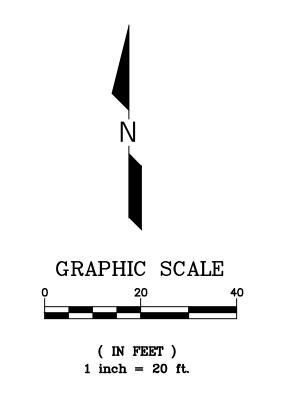
Erosion &
Sediment Control
Plan
Collier ES

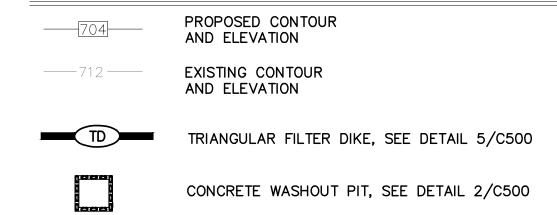
C112

# **Erosion Control Notes**

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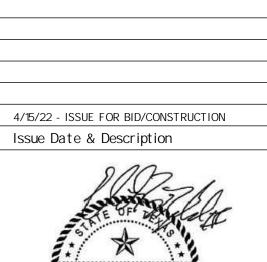
# Keynotes

1 TRIANGULAR FILTER DIKE, SEE DETAIL 5/C500 2 CONCRETE WASHOUT PIT, SEE DETAIL 2/C500

# Shaping the built environme JQ INFRASTRUCTURE, LLC 100 NE LOOP 410, SUITE 950 210.858.9803



# andale ISD ing Lot Improvements



PROJECT NAME:

Harlandale ISD Parking Lot Improvements

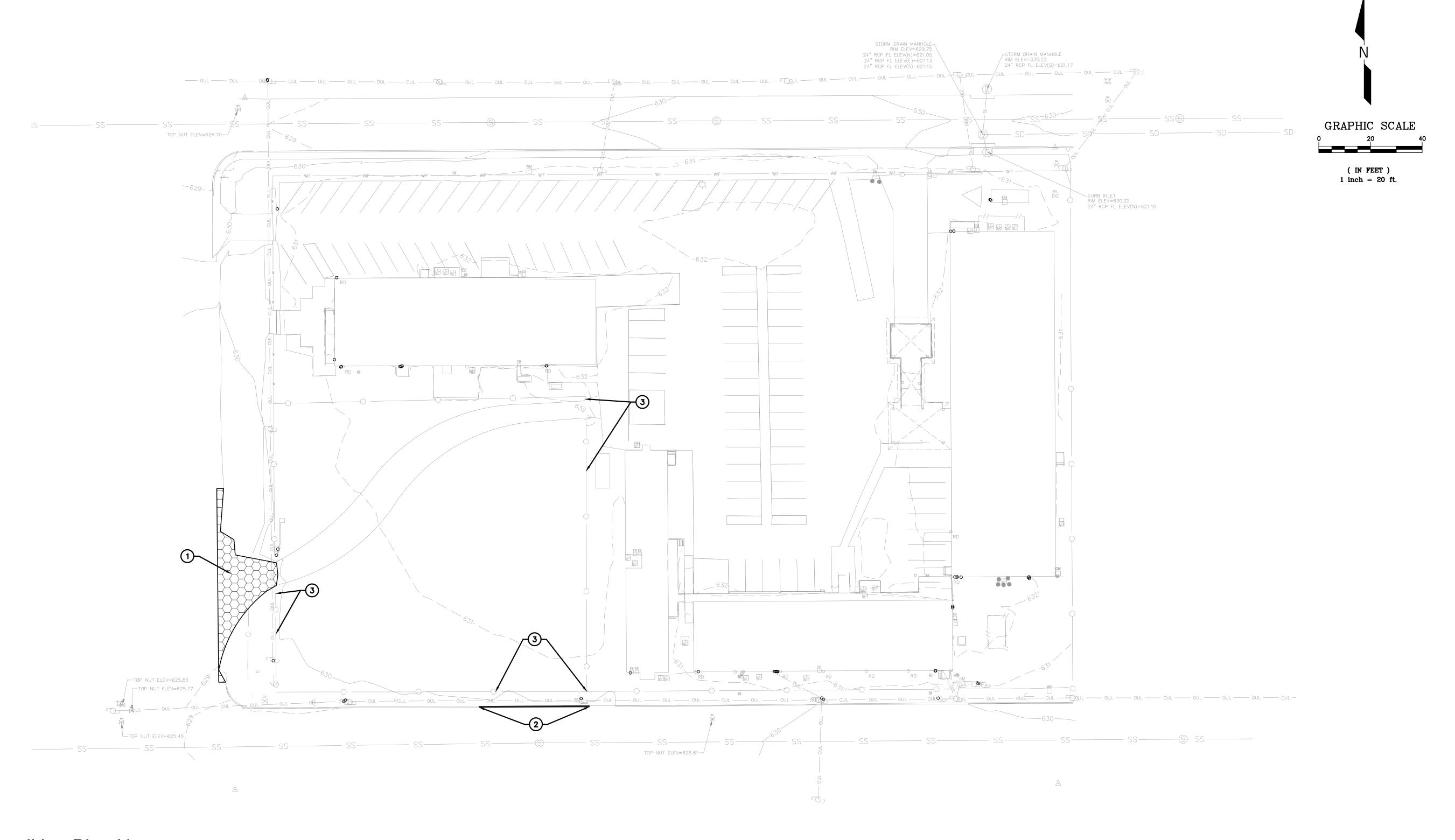
DRAWN BY
PROJECT NO.

Erosion &
Sediment Control
Plan
McCollum HS

C113

# **Erosion Control Notes**

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### Site Demolition Plan Notes

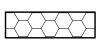
- 1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE AREA OF CONSTRUCTION.
- 2. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. WITHIN THE AREA OF CONSTRUCTION.
- 3. ALL TRAFFIC CONTROL MEASURES, BARRICADES AND PROJECT SIGNS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE LOCAL GOVERNING AGENCY REQUIREMENTS.
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- 7. EXPOSED SUBGRADE BENEATH PAVED AREAS SHALL BE PROOF ROLLED TO DETECT WEAK SOIL SUPPORT AREAS. THESE AREAS WILL BE REMOVED AND REPLACED WITH SITE EXCAVATED MATERIALS OR IMPORTED MATERIALS HAVING THE SAME PROPERTIES AS SITE MATERIALS.
- 8. REMOVE ALL TRACES OF DEMOLISHED ITEMS FROM THE SITE WORK AREA AND ROUGH GRADE ALL AREAS THAT HAVE BEEN DISTURBED. ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFF—SITE AT NO ADDITIONAL COST TO THE OWNER.
- 9. REFER TO LANDSCAPE DRAWINGS FOR TREE DEMOLITION AND PROTECTION.
- 10. EXISTING SANITARY SEWER AND WATER UTILITY LINES ARE TO REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR TO MAKE PROVISIONS TO KEEP THESE UTILITIES IN SERVICE. ALL PROPOSED SHUT DOWNS OF UTILITIES MUST BE COORDINATED WITH THE OWNER.
- 11. REFER TO DEMOLITION ITEMS OF OTHER DISCIPLINES WITHIN THOSE DISCIPLINES' DOCUMENTS FOR COORDINATION.

### Keynotes

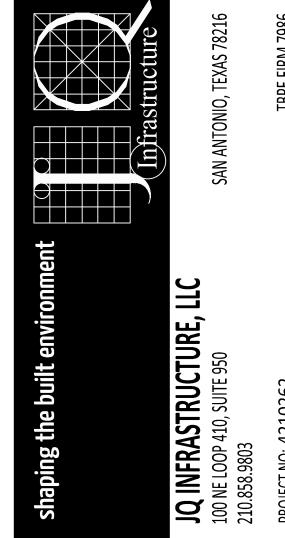
1 EXISTING ASPHALT & BASE TO BE REMOVED
2 EXISTING CONCRETE CURB TO BE REMOVED
3 MODIFY EXISTING FENCE AND GATE AS NECESSARY

### Legend



ASPHALT PAVEMENT TO BE REMOVED

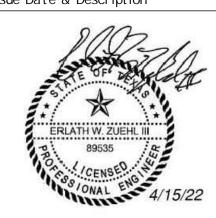






# I andal e ISD king Lot Improvements enevieve Drive

4/15/22 - ISSUE FOR BID/CONSTRUCTION
Issue Date & Description



PROJECT NAME:
Harlandale ISD Parking Lot Improvements

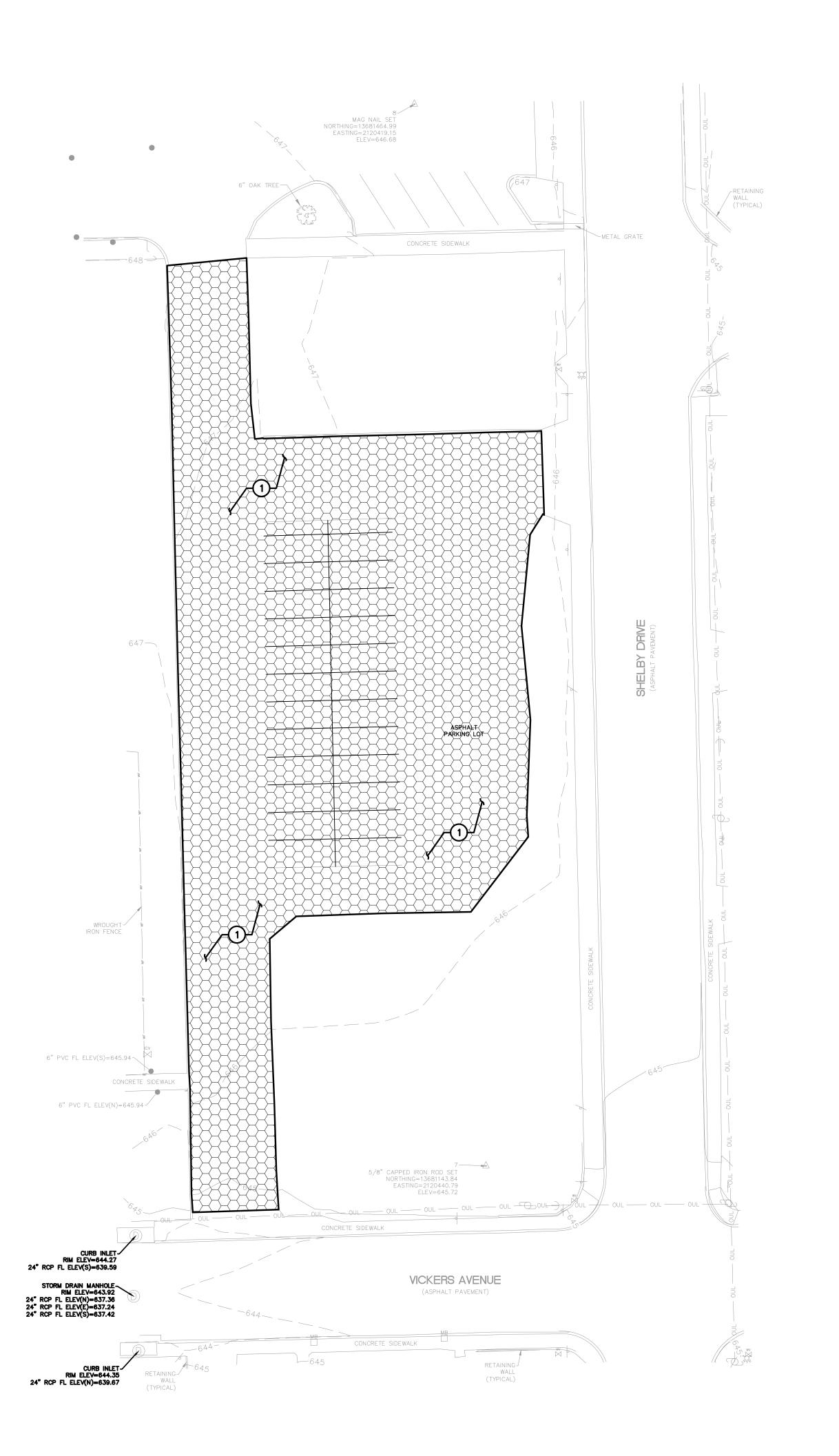
4210262

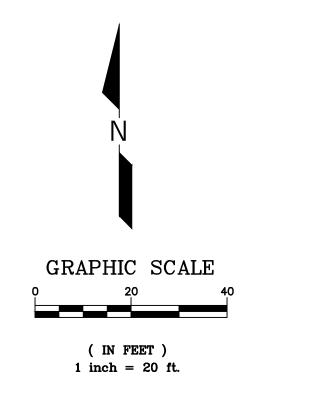
ENGINEER
DRAWN BY
PROJECT NO.

Demolition Plan Campus Police

# Site Demolition Plan Notes

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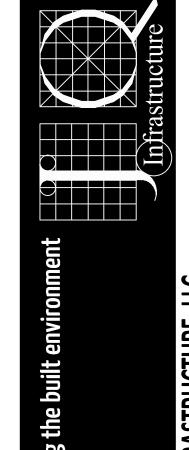


### Legend

ASPHALT PAVEMENT TO BE REMOVED

# Keynotes

1 EXISTING ASPHALT PAVEMENT & BASE TO BE REMOVED

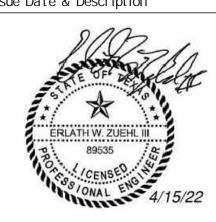


JQ INFRASTRUCTURE, L 100 NE LOOP 410, SUITE 950 210.858.9803

# 

lar randare 13D arking Lot Improvement 2 Genevieve Drive

4/15/22 - ISSUE FOR BID/CONSTRUCTION
Issue Date & Description



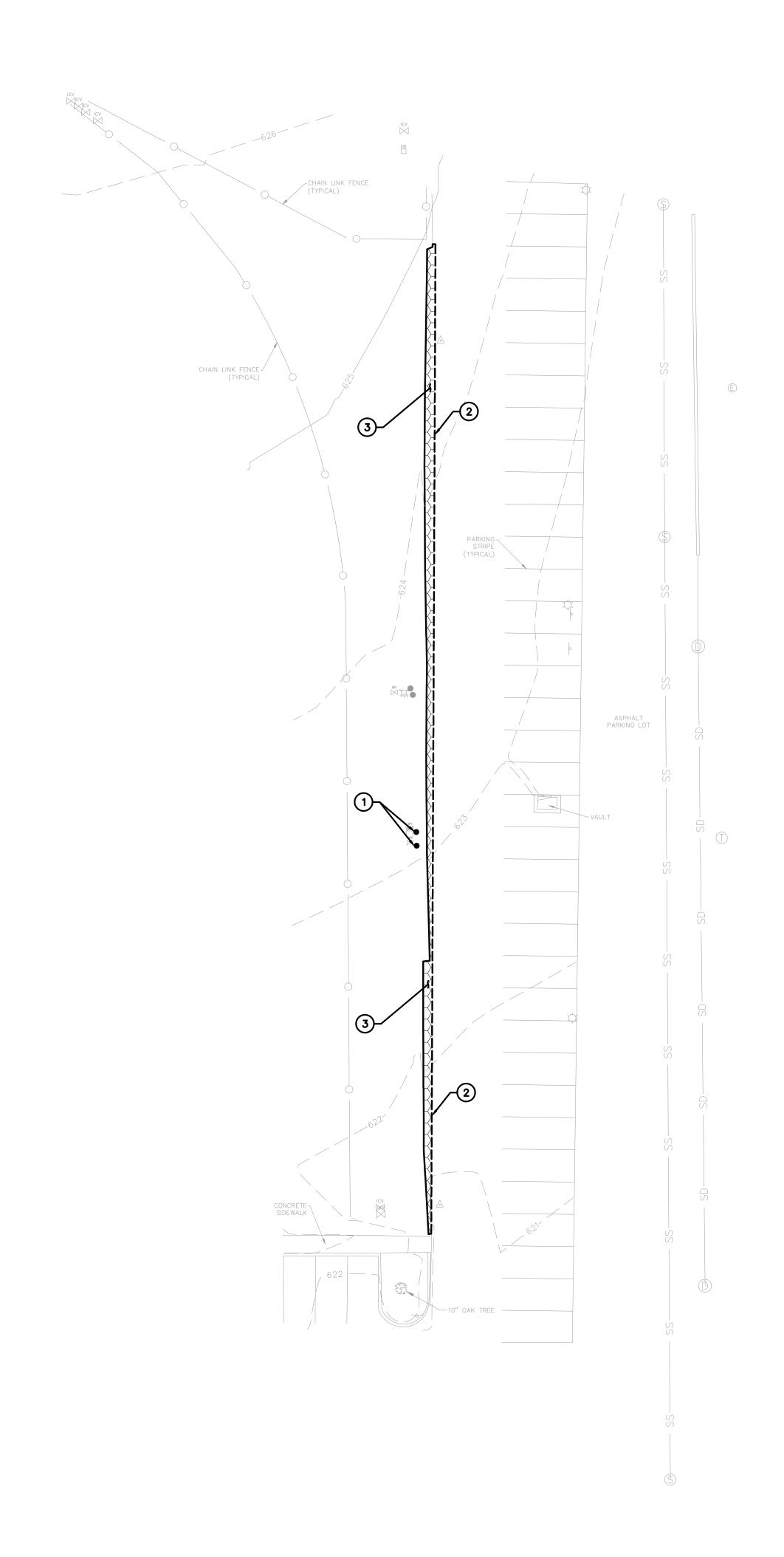
PROJECT NAME:
Harlandale ISD Parking Lot Improvements

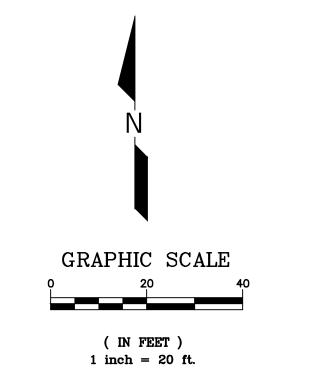
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PROJECT NO. 4210:

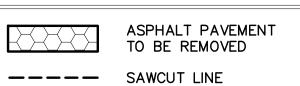
Demolition Plan Collier ES

C122

Know what's below.
Call before you dig.

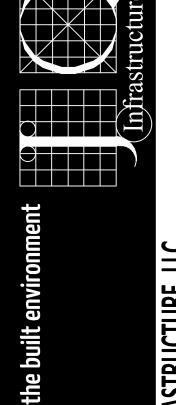






# Keynotes

1 EXISTING BOLLARD TO BE REMOVED
2 SAWCUT EXISTING ASPHALT PAVEMENT
3 EXISTING ASPHALT PAVEMENT TO BE REMOVED





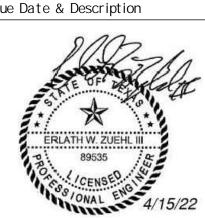


# ovements

rking Lot Impr Genevieve Drive Antonio

da

4/15/22 - ISSUE FOR BID/CONSTRUCTION
Issue Date & Description



PROJECT NAME:
Harlandale ISD Parking Lot Improvements

ENGINEER TO THE PROJECT NO. 42102

Demolition Plan McCollum HS

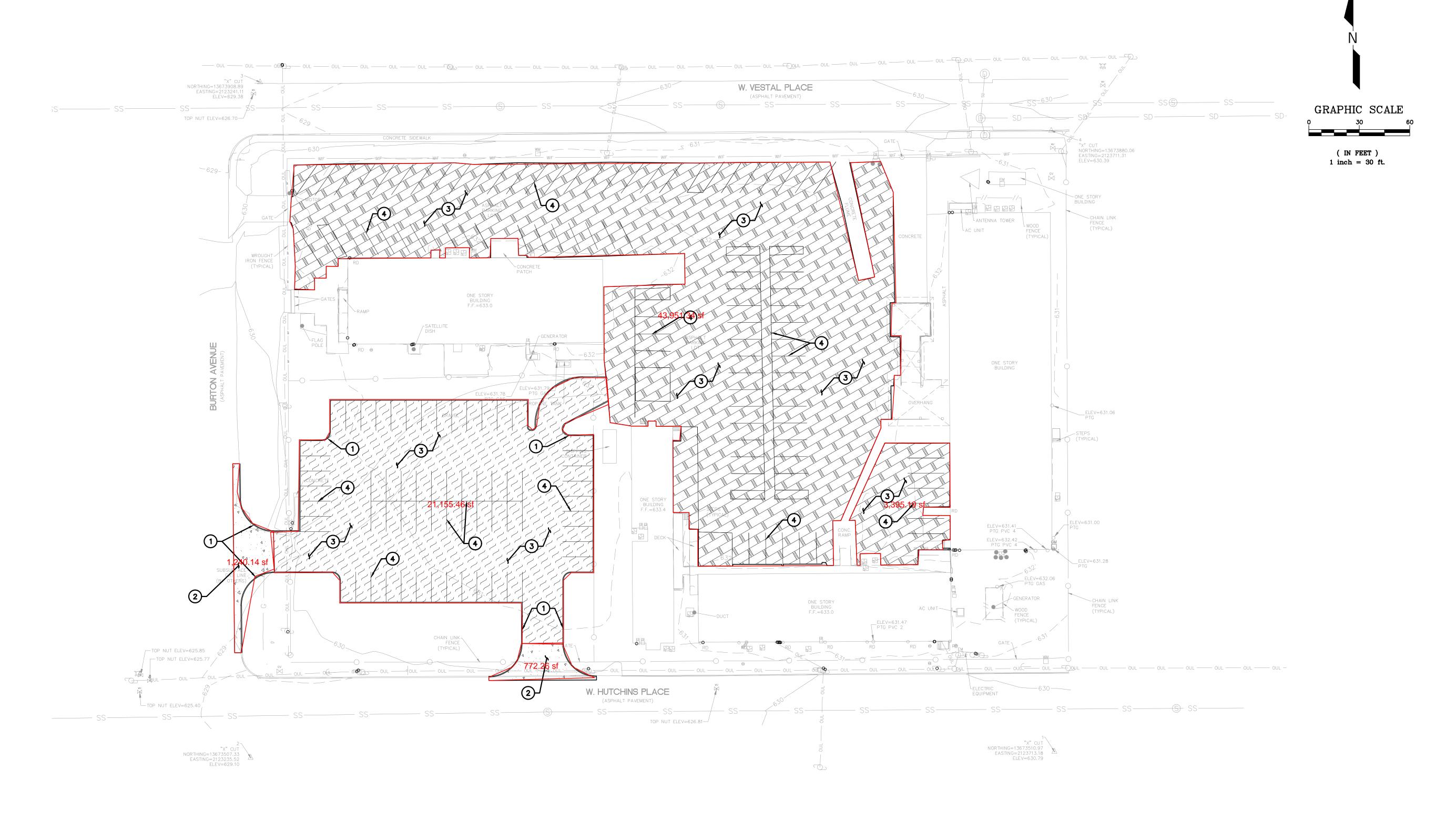
Know what's **below.** 

Call before you dig.

C123

# Site Demolition Plan Notes

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- 6. THE CONTRACTOR SHALL PROTECT ALL ADJACENT ON AND OFF-SITE PAVING, UTILITIES, TREES AND OTHER EXISTING IMPROVEMENTS FROM DAMAGE. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 7. EXPOSED SUBGRADE BENEATH PAVED AREAS SHALL BE PROOF ROLLED TO DETECT WEAK SOIL SUPPORT AREAS. THESE AREAS WILL BE REMOVED AND REPLACED WITH SITE EXCAVATED MATERIALS OR IMPORTED MATERIALS HAVING THE SAME PROPERTIES AS SITE MATERIALS.
- 8. REMOVE ALL TRACES OF DEMOLISHED ITEMS FROM THE SITE WORK AREA AND ROUGH GRADE ALL AREAS THAT HAVE BEEN DISTURBED. ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE
- 9. REFER TO LANDSCAPE DRAWINGS FOR TREE DEMOLITION AND PROTECTION.
- 10. EXISTING SANITARY SEWER AND WATER UTILITY LINES ARE TO REMAIN IN SERVICE AT ALL TIMES. CONTRACTOR TO MAKE PROVISIONS TO KEEP THESE UTILITIES IN SERVICE. ALL PROPOSED SHUT DOWNS OF UTILITIES MUST BE COORDINATED WITH THE OWNER.
- 11. REFER TO DEMOLITION ITEMS OF OTHER DISCIPLINES WITHIN THOSE DISCIPLINES' DOCUMENTS FOR COORDINATION.



## Paving & Site Plan Notes

- 1. ALL PARKING STRIPING SHALL BE 4" WIDE UNLESS OTHERWISE NOTED.
- 2. UNLESS OTHERWISE NOTED, REFER TO GEOTECHNICAL REPORT FOR SUBGRADE COMPACTION AND MOISTURE CONTENT REQUIREMENTS.
- ARCHITECT'S LANDSCAPE PLANS AND/OR MEP PLANS.
- 4. SIDEWALKS SHALL HAVE A SLOPE NO GREATER THAN 5% AND A CROSS SLOPE NOT GREATER THAN 2%, UNLESS OTHERWISE NOTED.
- 5. SAWED JOINTS SHALL BE SPACED AT INTERVALS OF 15 FEET MAXIMUM AND AT ALL RADIUS RETURNS. SAWED JOINTS SHALL BE PERPENDICULAR TO ALL CURVES. JOINTS SHALL BE SAWED WITHIN 12 HOURS AFTER CONCRETE IS POURED.
- 6. SAWED JOINTS SHALL MATCH THE EXISTING PAVEMENT JOINT PATTERN WHERE NEW PAVEMENT IS CONSTRUCTED ADJACENT TO EXISTING CONCRETE PAVEMENT.

- 7. ALL MANHOLES, INLETS, LIGHT BASES, AND OTHER STRUCTURES SHALL BE ISOLATED FROM THE NEW PAVEMENT WITH PREFORMED ASPHALTIC EXPANSION MATERIAL.
- 8. ADJUST EXISTING TOP OF MANHOLE RIMS AND EXISTING WATERLINE VALVE BOXES TO FINISHED GRADE ELEVATIONS.
- 3. INSTALLATION AND PLACEMENT OF IRRIGATION SLEEVES AND 9. FOR PAVING PATTERNS, FINISHES AND MATERIALS REFER TO ARCHITECTURAL DRAWINGS.
  - 10. NEW IRRIGATION SLEEVES SHOWN HEREON ARE FOR REFERENCE ONLY AND SHOULD BE CONSIDERED APPROXIMATE. REFER TO LANDSCAPE DRAWINGS FOR EXACT

### Keynotes

- 1) NEW CONCRETE CURB, SEE DETAIL 3/C510
- 2 NEW CONCRETE PAVEMENT, SEE DRIVEWAY DETAILS ON SHEET C510
- 3 NEW NEW ASPHALT PAVEMENT, SEE DETAIL 1/C510.
- 4 NEW 4" WIDE WHITE PARKING STRIPE (TYPICAL)

### Legend

PROPOSED CONCRETE PAVEMENT, SEE DETAIL 7/C510

EXISTING PAVEMENT TO BE CLEANED, PROVIDE SEAL COAT AND RE-STRIPED TO MATCH EXISTING PARKING LAYOUT.

PROPOSED ASPHALT PAVEMENT, SEE DETAIL 1/C510



4/15/22 - ISSUE FOR BID/CONSTRUCTION Issue Date & Description

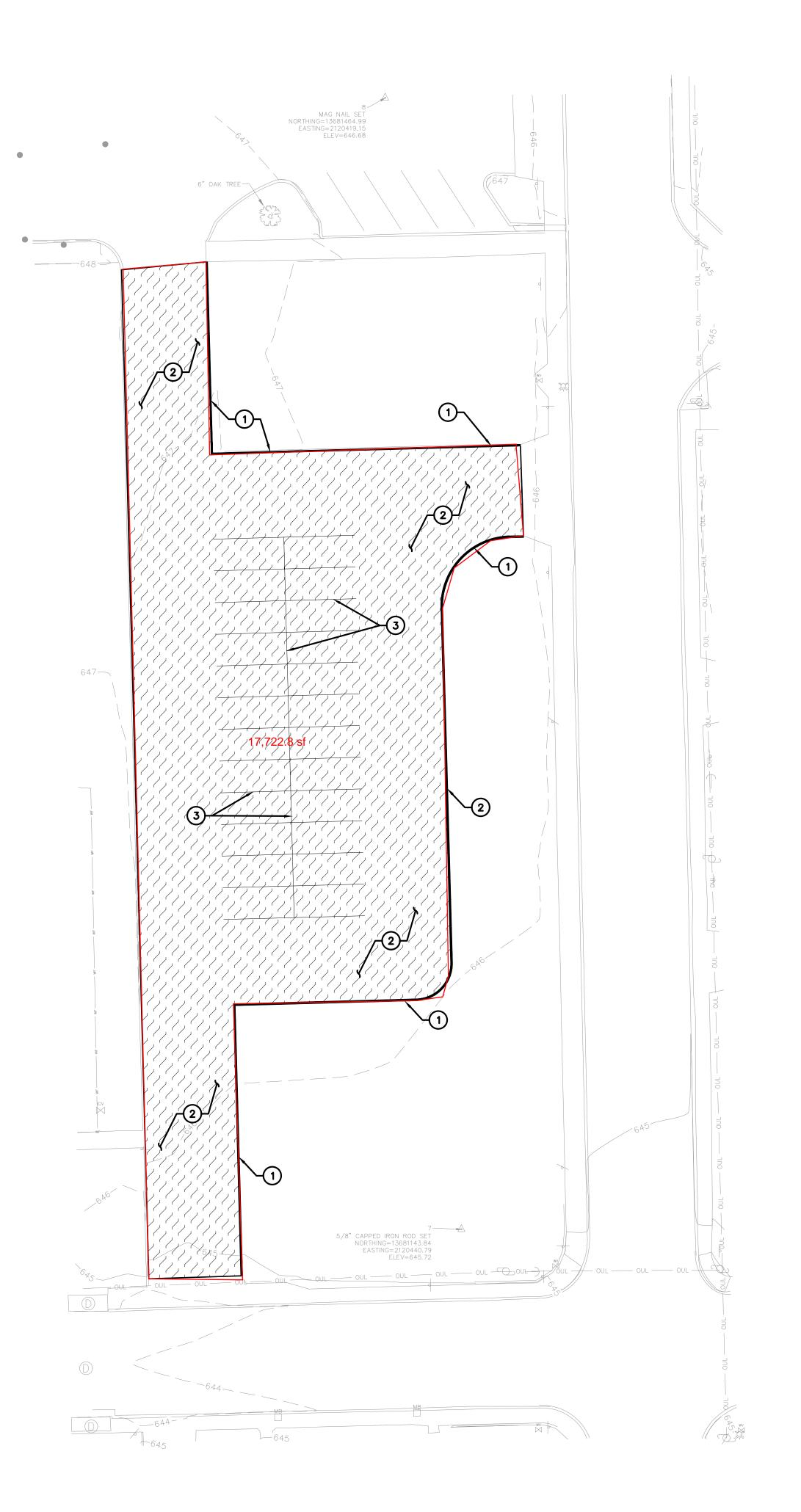
PROJECT NAME: Harlandale ISD Parking Lot Improvements

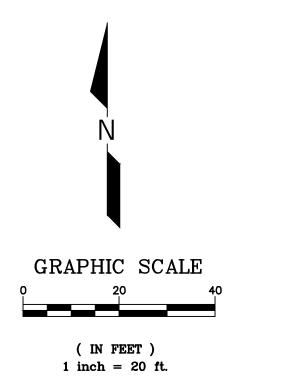
DRAWN BY PROJECT NO. 4210262

Site Plan Campus Police

# Paving & Site Plan Notes

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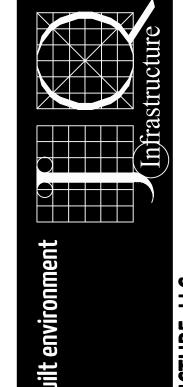


### Legend

PROPOSED ASPHALT PAVEMENT, SEE DETAIL 1/C510

# Keynotes

- NEW CONCRETE FLUSH CURB, SEE DETAIL 4/C510
- 2 NEW ASPHALT PAVEMENT, SEE DETAIL 1/C510
- 3 NEW 4" WIDE WHITE PARKING STRIPE



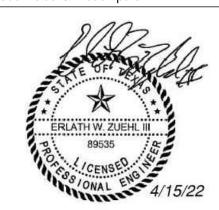
JQ INFRASTRUCTURE, LLC 100 NE LOOP 410, SUITE 950 210.858.9803



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4/15/22 - ISSUE FOR BID/CONSTRUCTION

Issue Date & Description

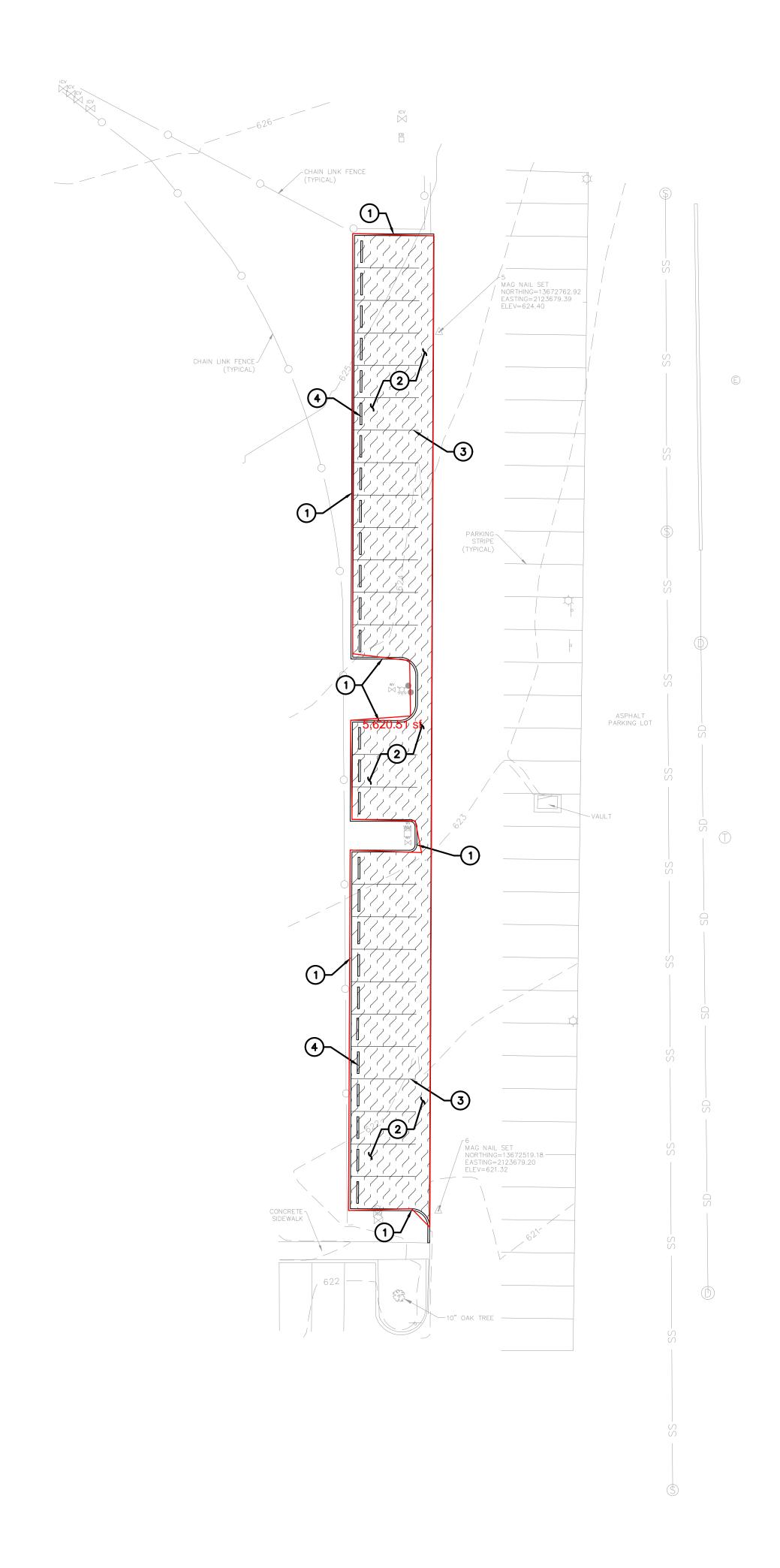


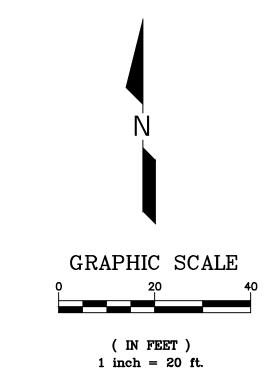
PROJECT NAME:
Harlandale ISD Parking Lot Improvements

4210262

ENGINEER
DRAWN BY
PROJECT NO.

Site Plan Collier ES

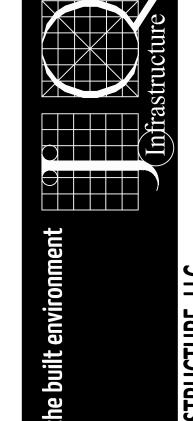


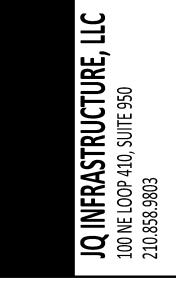


PROPOSED ASPHALT PAVEMENT, SEE DETAIL 1/C510

# Keynotes

- 1 NEW CONCRETE CURB, SEE DETAIL 3/C510
  2 NEW ASPHALT PAVEMENT, SEE DETAIL 1/C510
- 3 NEW 4" WIDE WHITE PARKING STRIPE (TYP)
  4 NEW WHEEL STOP (TYP), SEE DETAIL 5/C510

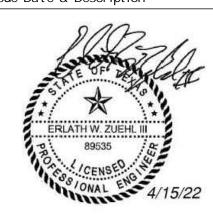






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Issue Date & Description



PROJECT NAME:
Harlandale ISD Parking Lot Improvements

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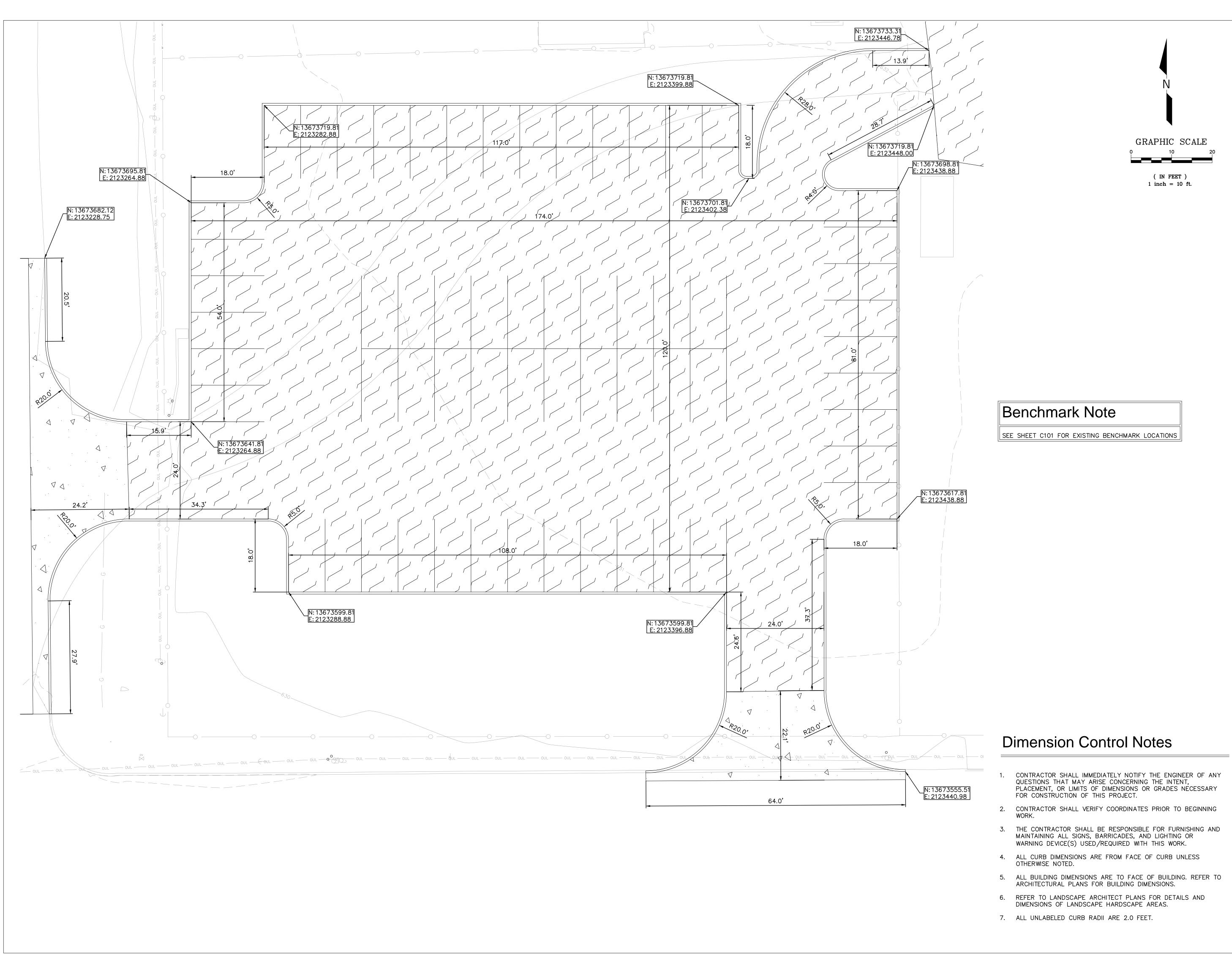
Site Plan McCollum HS

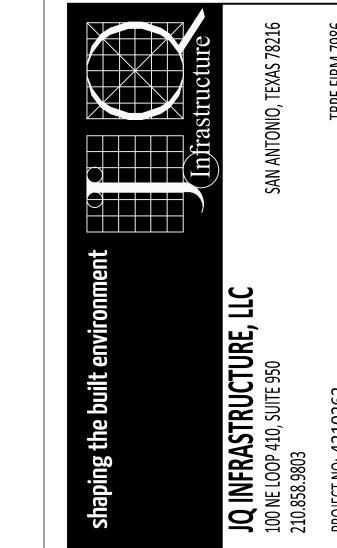
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4210262

# Paving & Site Plan Notes

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# Impr

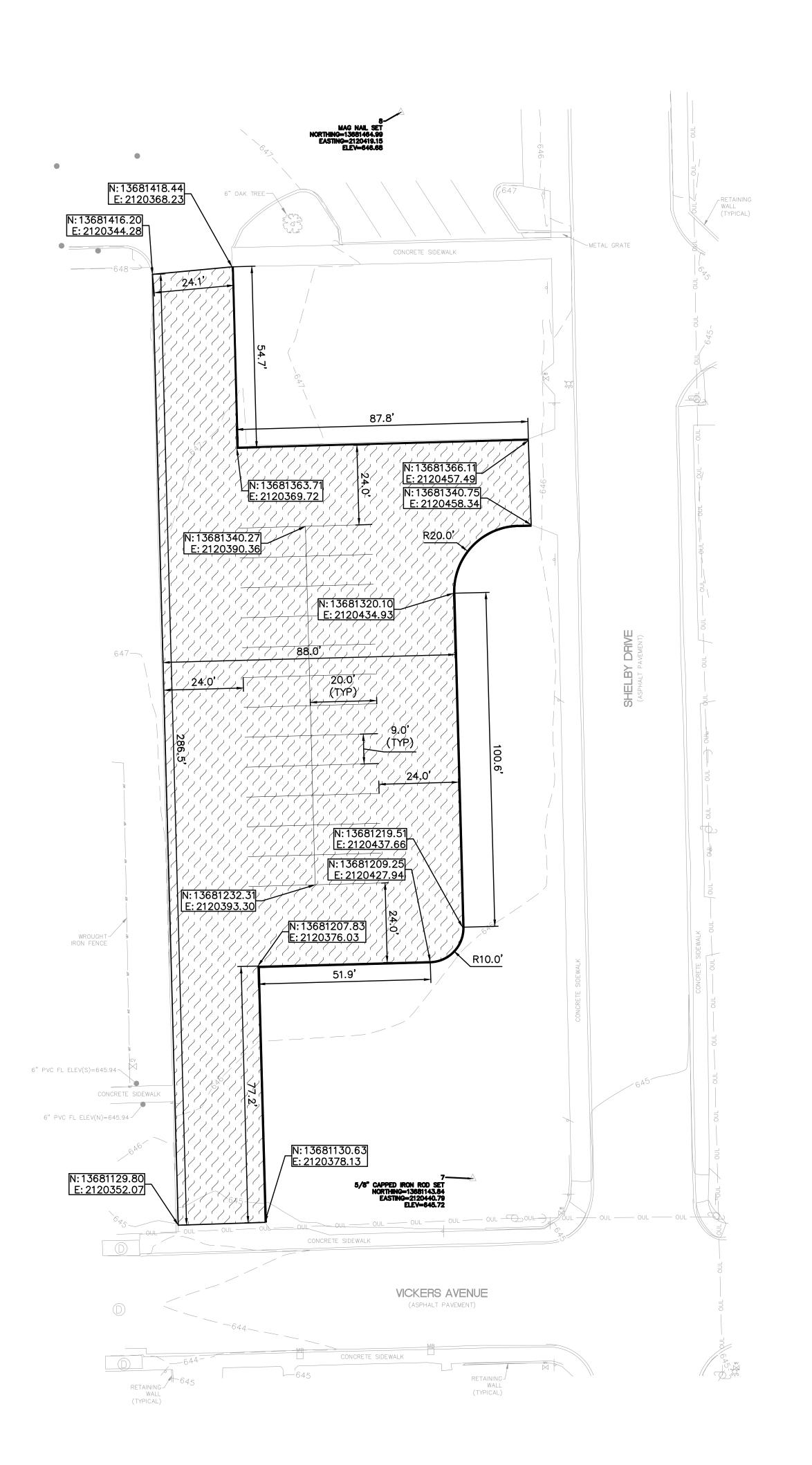
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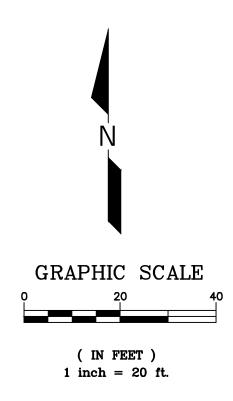
4210262

PROJECT NAME: Harlandale ISD Parking Lot Improvements

ENGINEER DRAWN BY PROJECT NO.

Dimensional Control Plan Campus Police





**Dimension Control Notes** 

FOR CONSTRUCTION OF THIS PROJECT.

7. ALL UNLABELED CURB RADII ARE 2.0 FEET.

OTHERWISE NOTED.

1. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT,

2. CONTRACTOR SHALL VERIFY COORDINATES PRIOR TO BEGINNING

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND

 ALL BUILDING DIMENSIONS ARE TO FACE OF BUILDING. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.

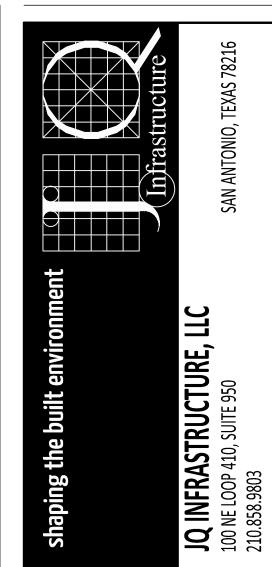
6. REFER TO LANDSCAPE ARCHITECT PLANS FOR DETAILS AND DIMENSIONS OF LANDSCAPE HARDSCAPE AREAS.

MAINTAINING ALL SIGNS, BARRICADES, AND LIGHTING OR

WARNING DEVICE(S) USED/REQUIRED WITH THIS WORK.

4. ALL CURB DIMENSIONS ARE FROM FACE OF CURB UNLESS

PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY





# landale ISD king Lot Improvements

4/15/22 - ISSUE FOR BID/CONSTRUCTION

Issue Date & Description



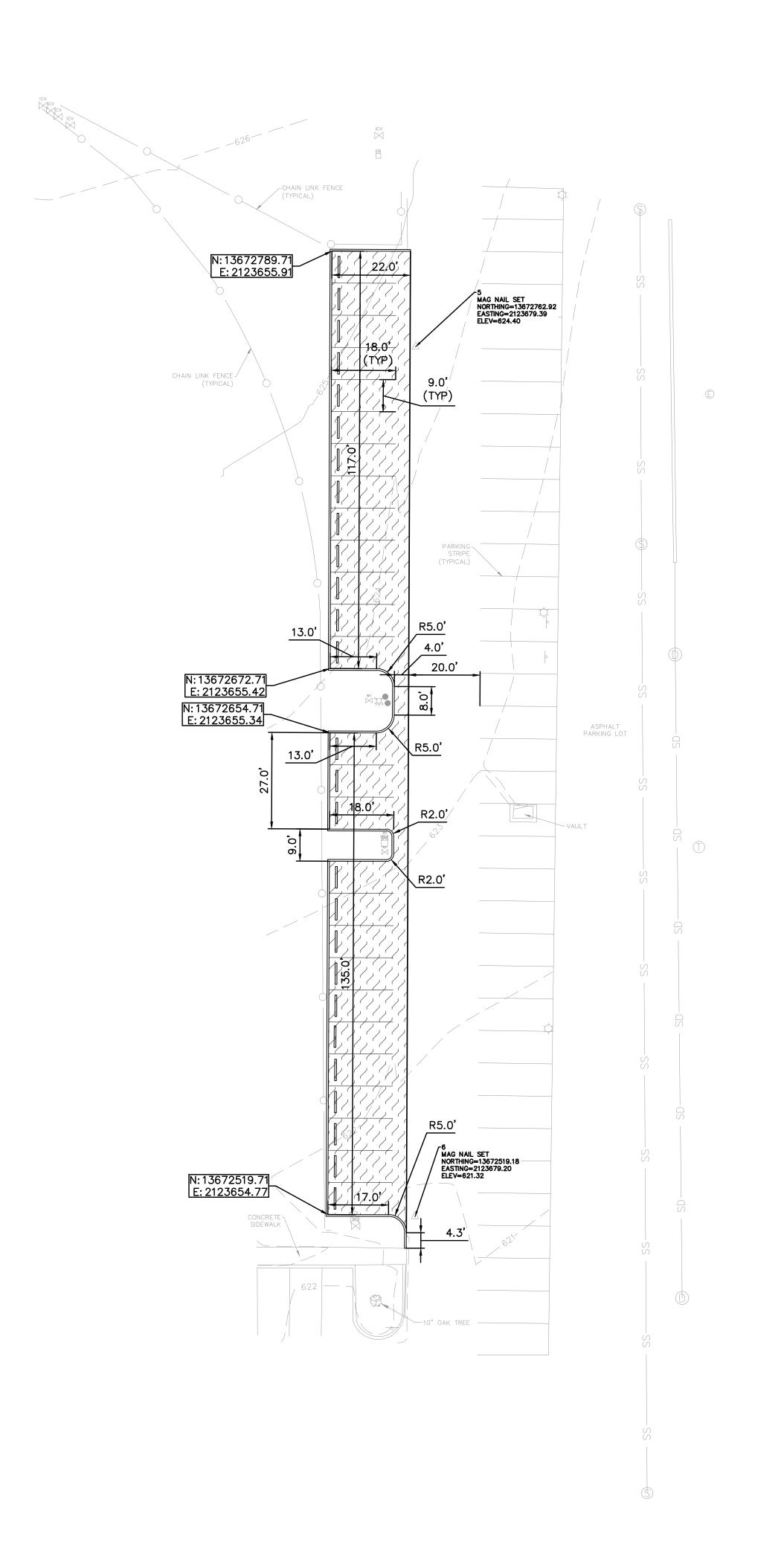
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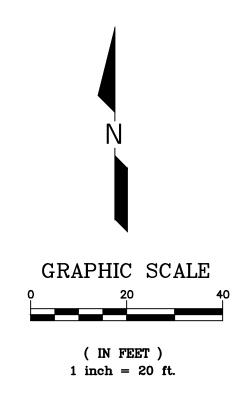
Harlandale ISD Parking Lot Improvements

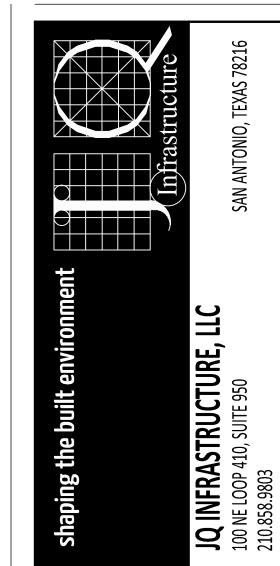
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PROJECT NO.

Dimensional Control Plan

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# andale ISD ng Lot Improvements vieve Drive

4/15/22 - ISSUE FOR BID/CONSTRUCTION

Issue Date & Description

PROJECT NAME:
Harlandale ISD Parking Lot Improvements

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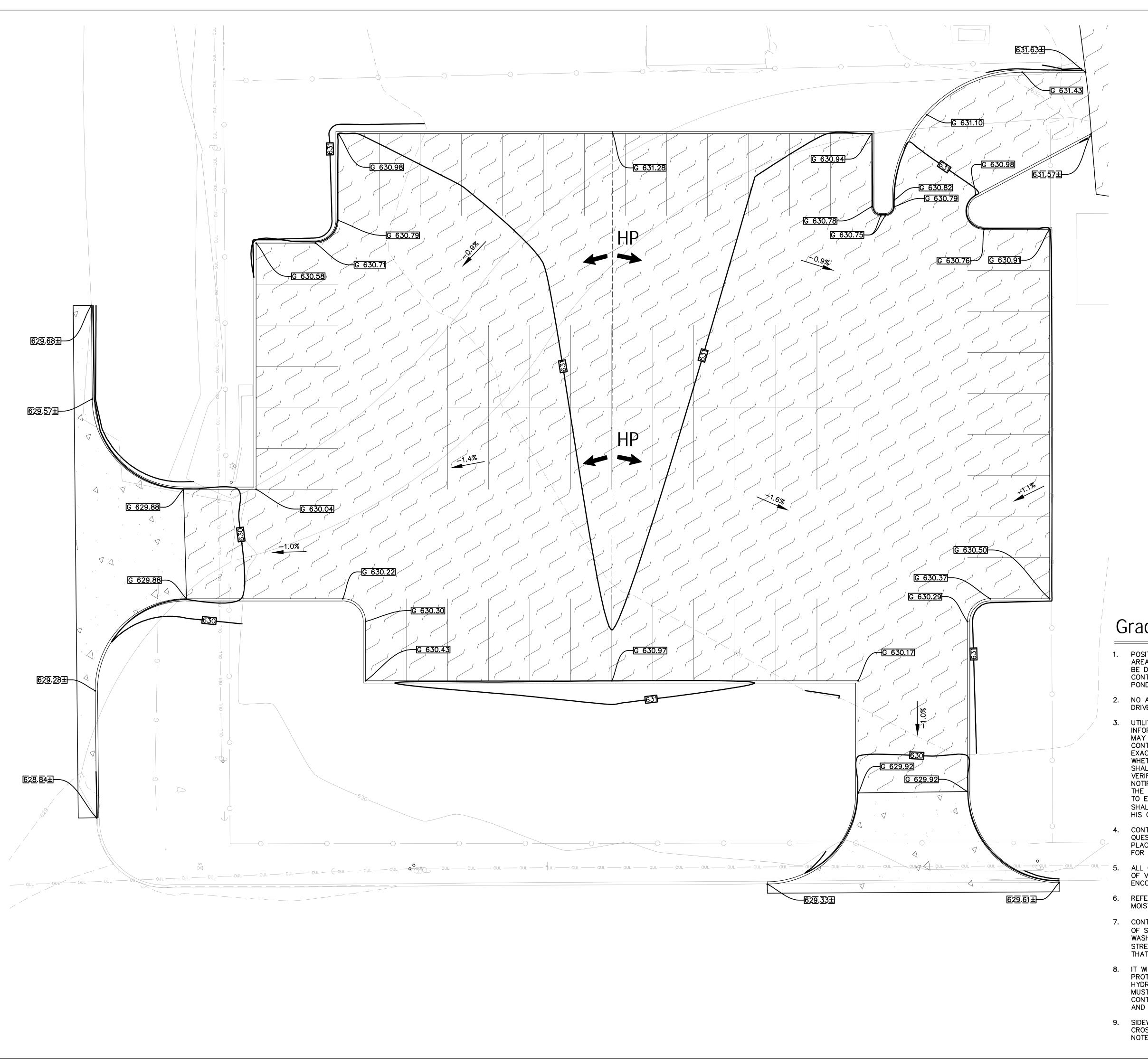
Harlandale ISD Parking Lot Improvements

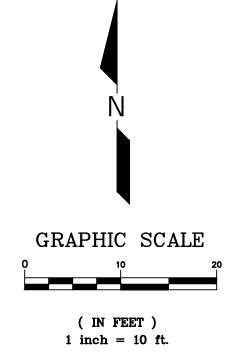
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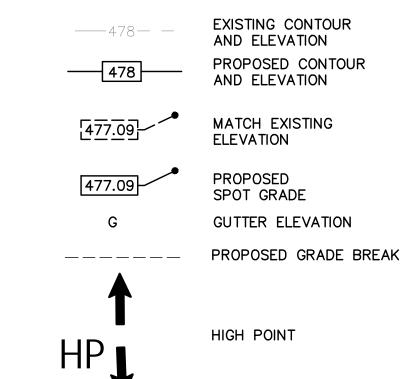
Dimensional Control Plan McCollum HS



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- 2. CONTRACTOR SHALL VERIFY COORDINATES PRIOR TO BEGINNING WORK.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL SIGNS, BARRICADES, AND LIGHTING OR WARNING DEVICE(S) USED/REQUIRED WITH THIS WORK.
- 4. ALL CURB DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.
- 5. ALL BUILDING DIMENSIONS ARE TO FACE OF BUILDING. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
- 6. REFER TO LANDSCAPE ARCHITECT PLANS FOR DETAILS AND DIMENSIONS OF LANDSCAPE HARDSCAPE AREAS.
- 7. ALL UNLABELED CURB RADII ARE 2.0 FEET.

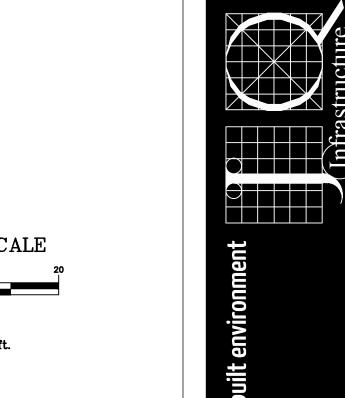


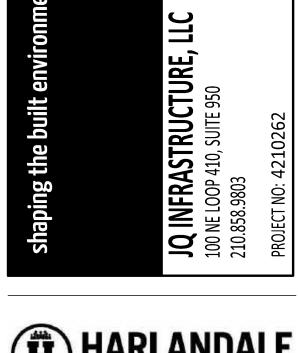




# **Grading Plan Notes**

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4/15/22 - ISSUE FOR BID/CONSTRUCTION
Issue Date & Description

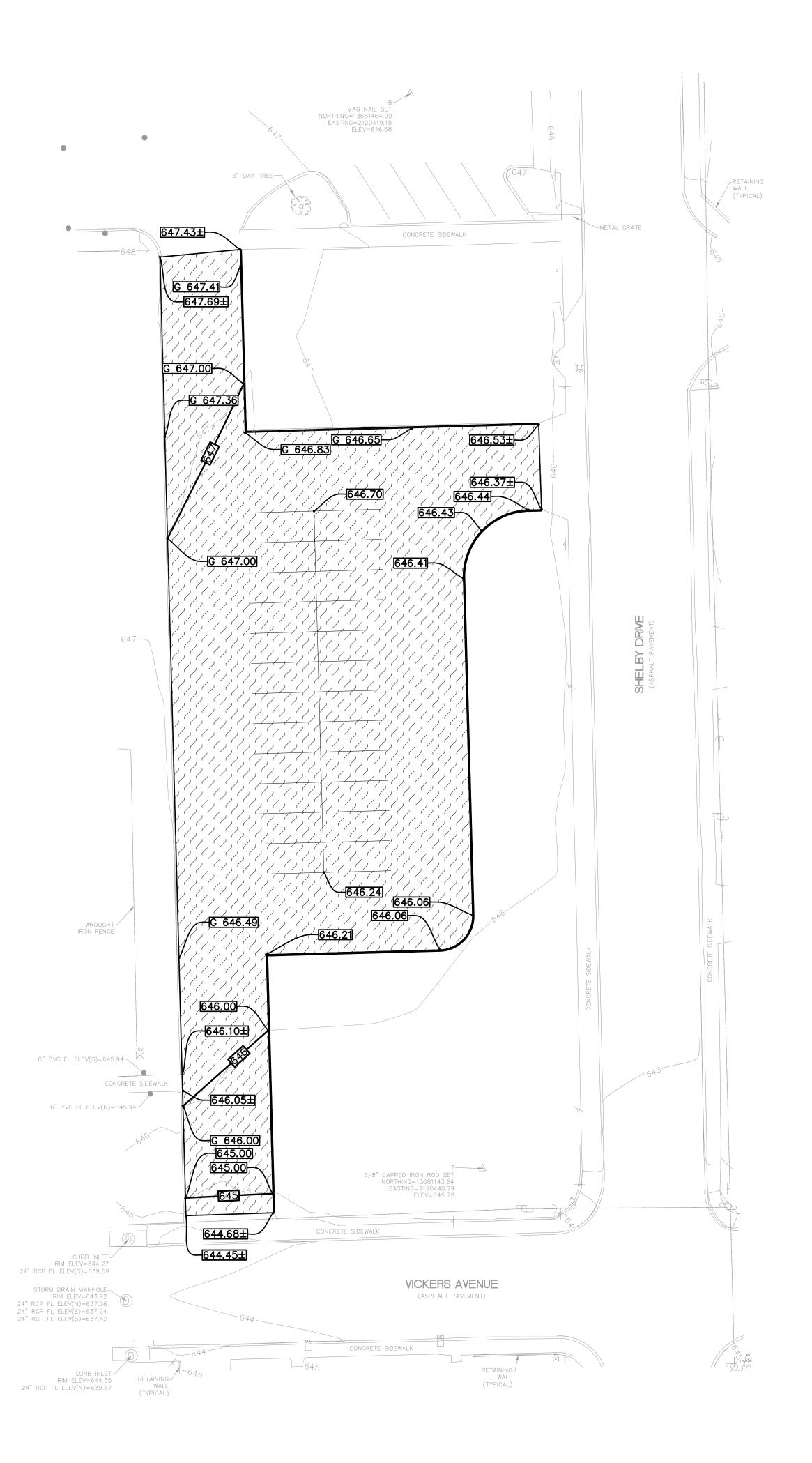
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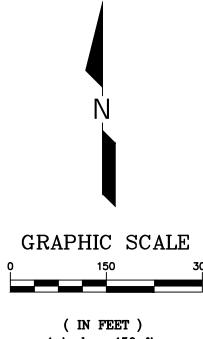
1/15/22

PROJECT NAME:
Harlandale ISD Parking Lot Improvements

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PROJECT NO. 4210262

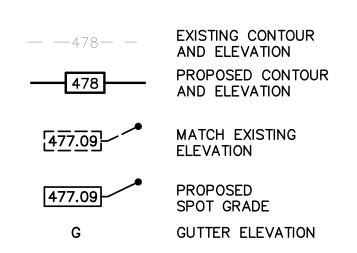
Grading Plan Campus Police





( IN FEET ) 1 inch = 150 ft.

# Legend



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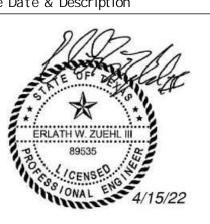


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4/15/22 - ISSUE FOR BID/CONSTRUCTION Issue Date & Description



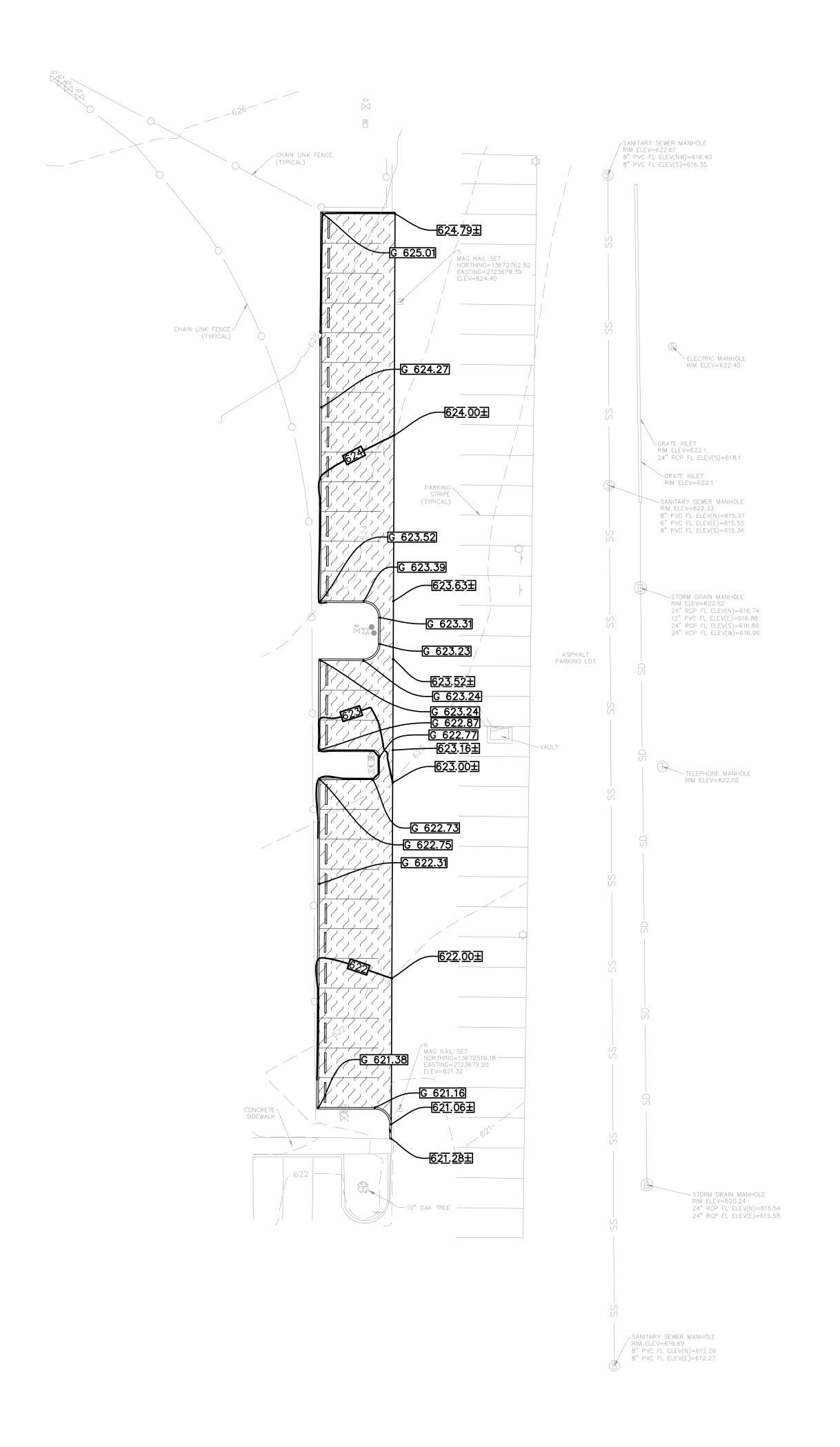
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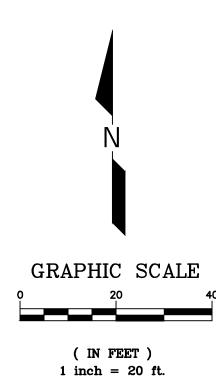
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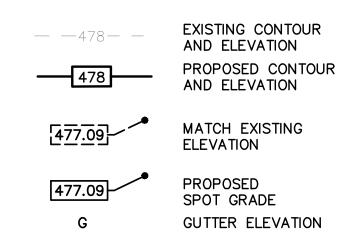
PROJECT NAME: Harlandale ISD Parking Lot Improvements

**ENGINEER** DRAWN BY PROJECT NO.

Grading Plan Collier ES







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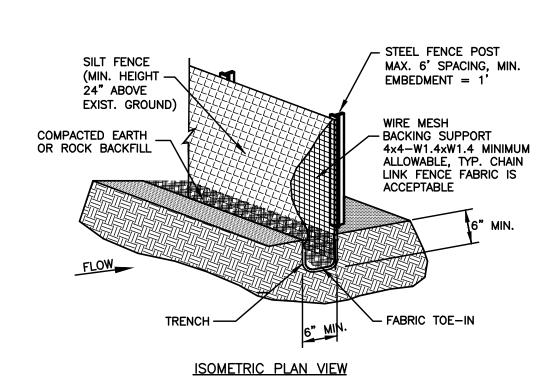
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$\triangle$	Issue Date & Description
	ERLATH W. ZUEHL III

PROJECT NAME: Harlandale ISD Parking Lot Improvements

**ENGINEER** DRAWN BY PROJECT NO. 4210262

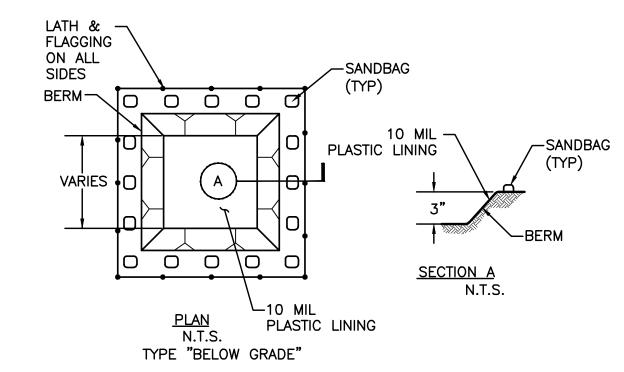
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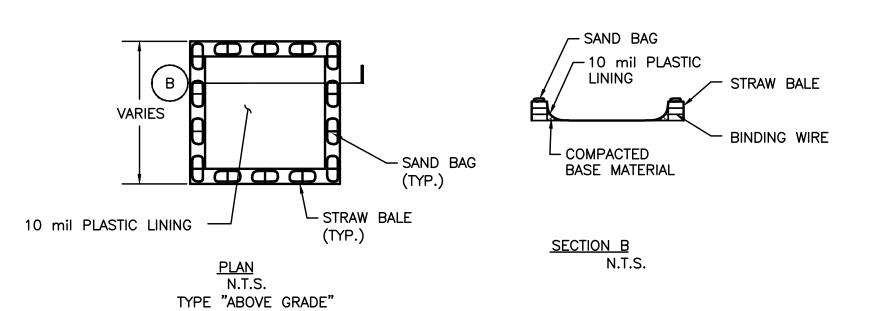
Grading Plan McCollum HS



### SILT FENCE GENERAL NOTES

- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED
- 4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS
  ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3
  FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC
- INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.



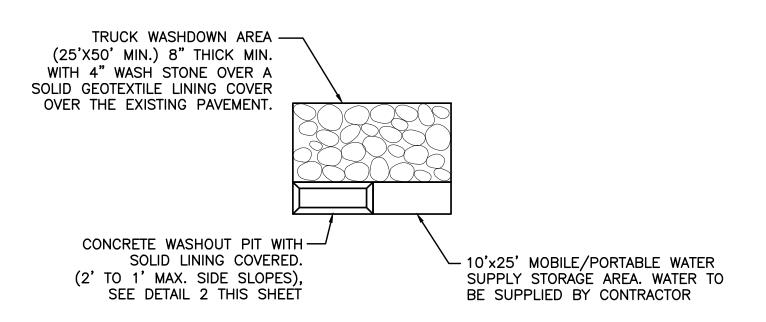


### **CONCRETE WASHOUT PIT NOTES:**

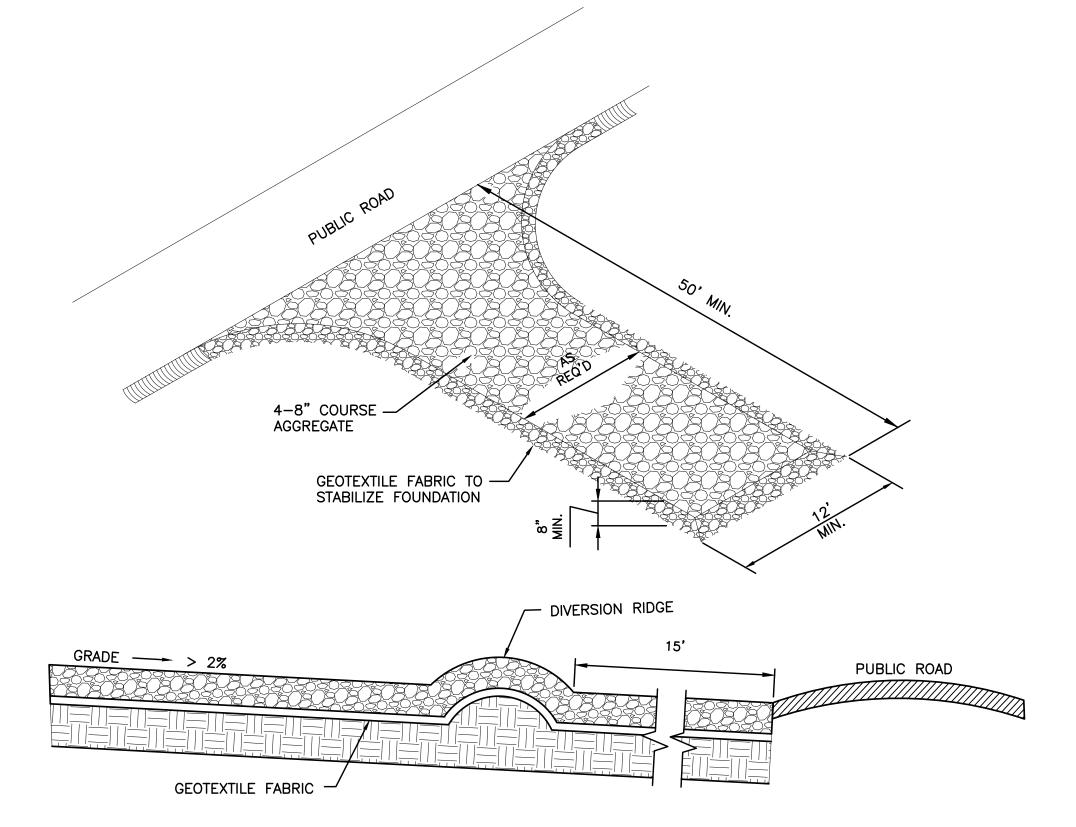
- 1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
- 2. CONTRACTOR TO PLACE AS MANY SAND BAGS AS NECESSARY TO ENSURE THE PLASTIC LINING REMAINS SECURE AT ALL TIMES.
- 3. LINER WILL BE REPLACED IF TORN OR DAMAGED.
- 4. PIT MUST BE USED ANYTIME CONCRETE IS BEING POURED AND WASHOUT IS OCCURRING.
- 5. REFER TO TCEQ MANUAL RG-348 FOR ADDITIONAL INFO REGARDING MATERIALS, INSTALLATION & MAINTENANCE ON THE BMP SHOWN ABOVE. THE MANUAL CAN BE FOUND ON-LINE AT: http://www.tceq.state.tx.us/comm\_exec/forms\_pubs/pubs/rg/rg-348/rg-348.html

 $2\frac{\text{CONCRETE WASHOUT PIT}}{\text{N.T.S.}}$ 

### SILT FENCE INSTALLATION

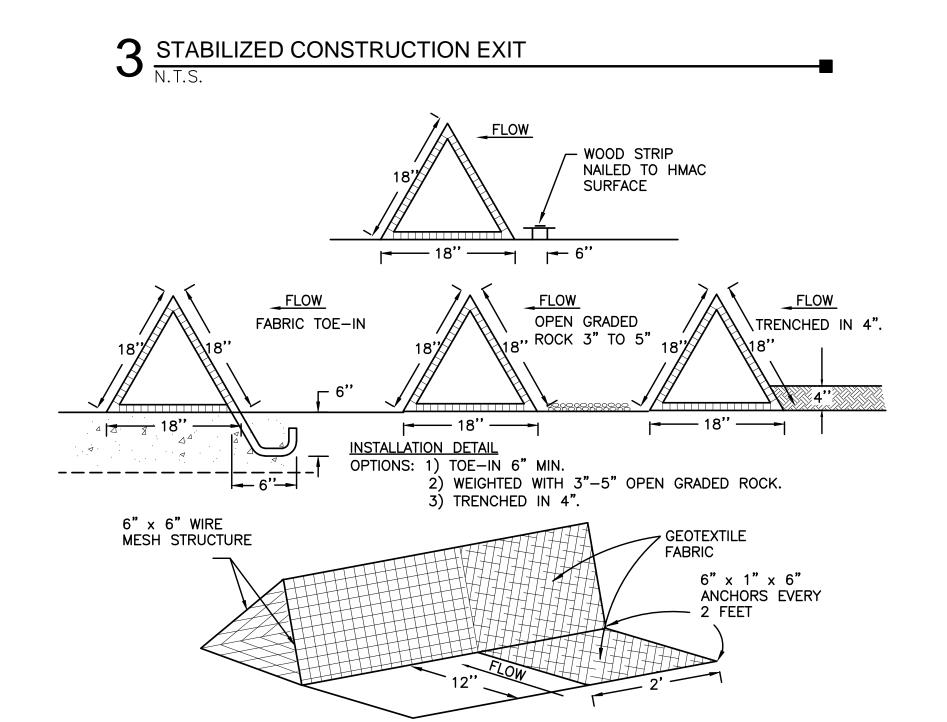


TRUCK WASHDOWN AREA DETAIL



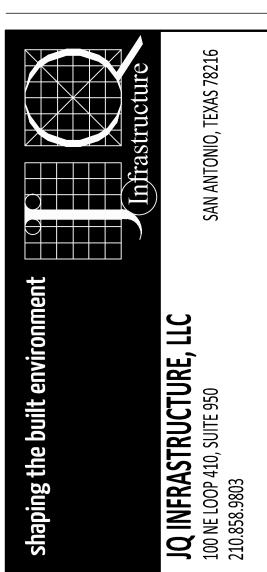
### MATERIALS:

- 1. THE AGGREGATE SHOULD CONSIST OF 4 TO 8 INCH WASHED STONE OVER A STABLE FOUNDATION AS SPECIFIED IN
- THE PLAN. 2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8 INCHES.
- 3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROPRIATE WEIGHT OF 6 oz/yd2, A MULLEN BURST RATING OF 140 lbs/in2, AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.
- 4. IF A WASHING FACILITY IS REQUIRED, A LEVEL AREA WITH A MINIMUM OF 4 INCH DIAMETER WASHED STONE OR COMMERCIAL RACK SHOULD BE INCLUDED IN THE PLANS. DIVERT WASTEWATER TO A SEDIMENT TRAP OR BASIN.



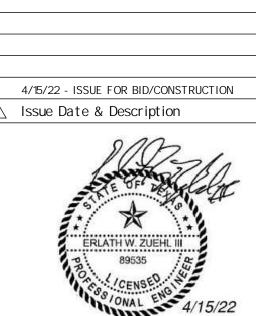
- DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE. 2. THE FABRIC COVER SHALL BE WEIGHTED WITH A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
- 3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 3"-5" OPEN GRADED ROCK, OR
- TOED-IN 6" WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED 4".
- 4. DIKES AND SKIRTS SHALL BE SECURELY ANCHORED IN PLACE USING 6 INCH WIRE STAPLES ON 2-FOOT CENTERS ON BOTH EDGES AND SKIRT, OR STAKED USING 3/8" DIAMETER REBAR WITH TEE ENDS.
- 5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 6" TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
- 6. THE DIKE STRUCTURE SHALL BE 6 GA. 6" X 6" WIRE MESH, 18" ON A SIDE. 7. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR. 8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6", AND DISPOSED OF IN A
- MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION. 9. AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT FENCE SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN NOTE 8 ABOVE.







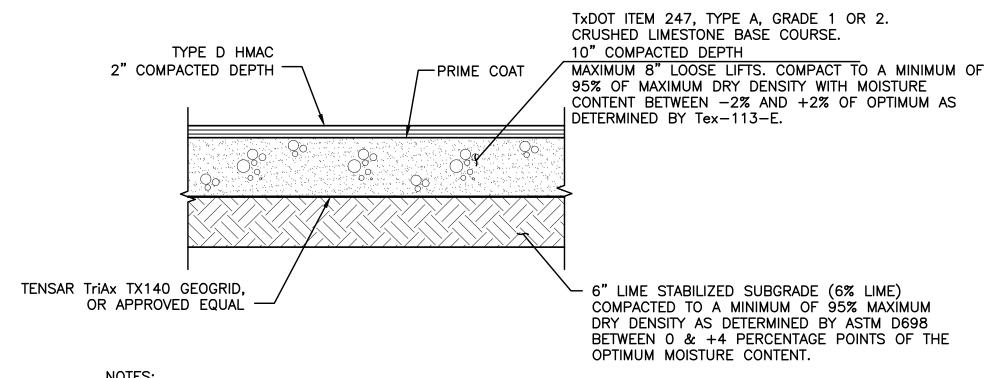
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PROJECT NAME: Harlandale ISD Parking Lot Improvements

**ENGINEER** DRAWN BY PROJECT NO. 4210262

Erosion & Sediment Control Details

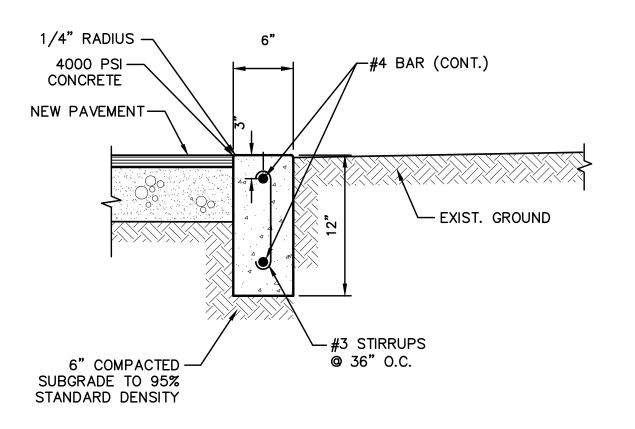


NOTES:

1. BASE MATERIAL TO EXTEND 1 FOOT BEYOND PAVEMENT AND CURB LINE EDGES.

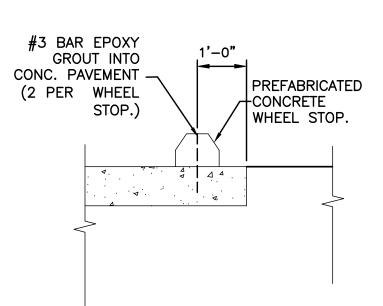
2. LIME STABILIZATION TO EXTEND A MINIMUM OF 2 FEET BEYOND PAVEMENT AND CURB LINE EDGES.



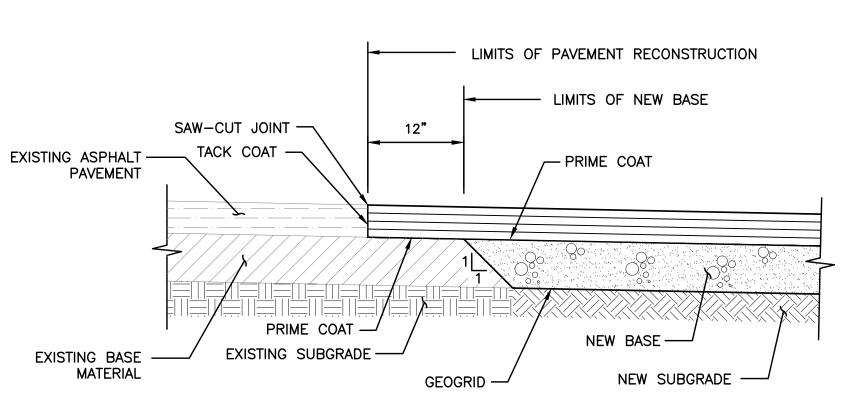


1. FLUSH CURB TO BE PAINTED RED, WITH STENCILED "FIRE LANE, NO PARKING" EVERY 50' WHERE REQUIRED.



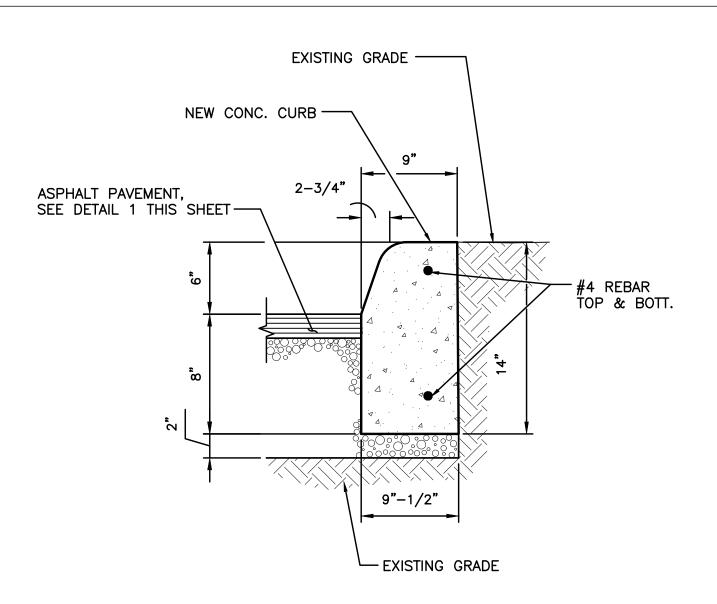


 $5 \frac{\text{WHEEL STOP DETAIL}}{\text{N.T.S.}}$ 

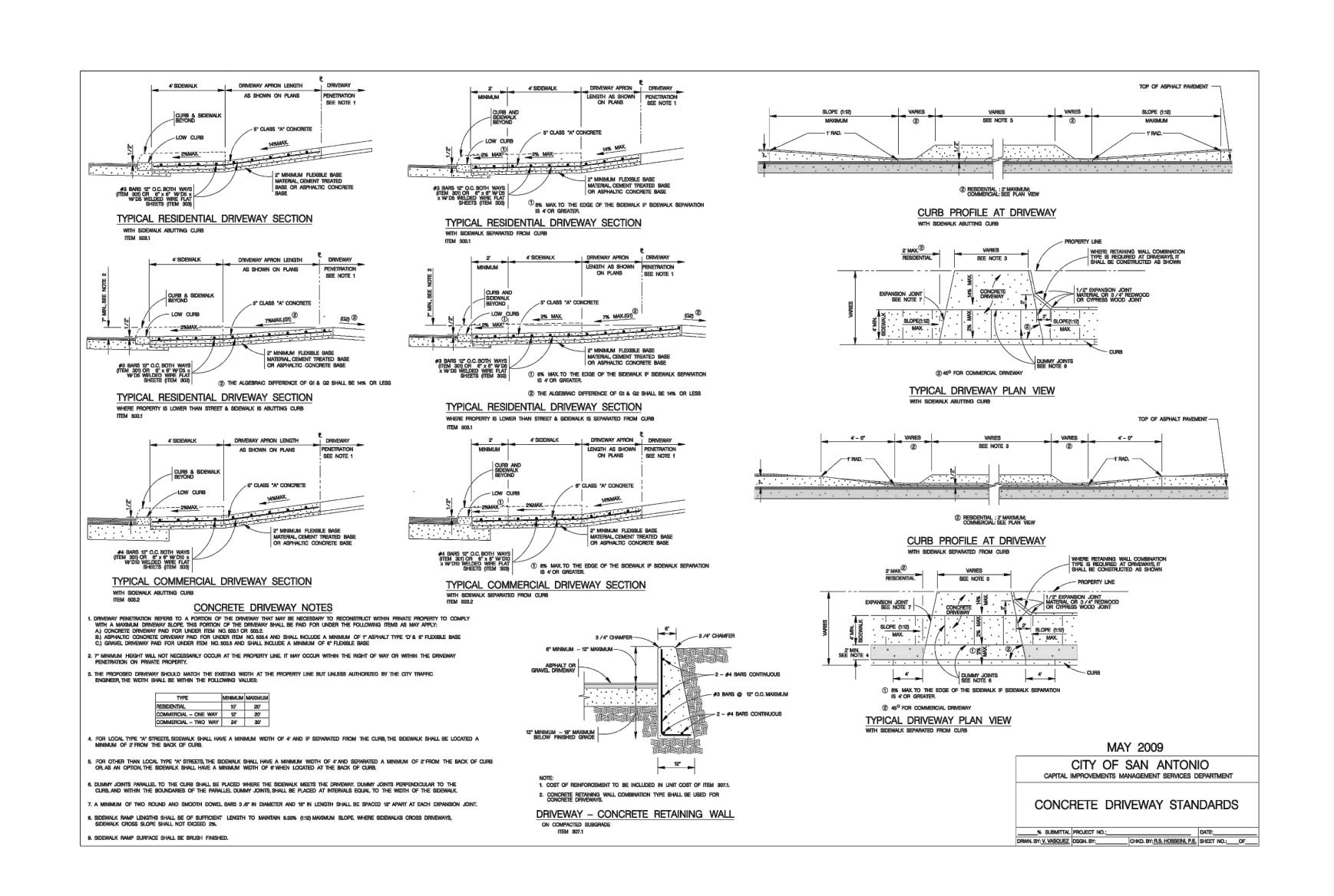


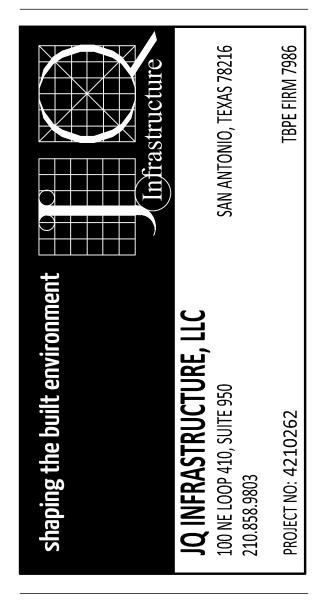
1. SEE DETAIL 1 THIS SHEET FOR NEW PAVEMENT SECTION.

ASPHALT TO ASPHALT PAVEMENT JUNCTION DETAIL



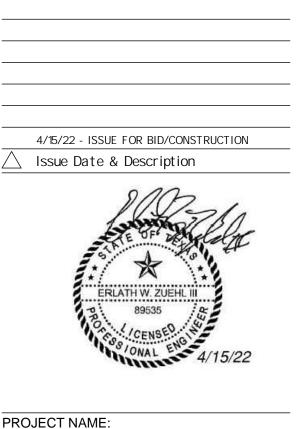
3 CURB AT NATURAL GRADE SECTION







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Harlandale ISD Parking Lot Improvements **ENGINEER** DRAWN BY PROJECT NO. 4210262

Civil Details