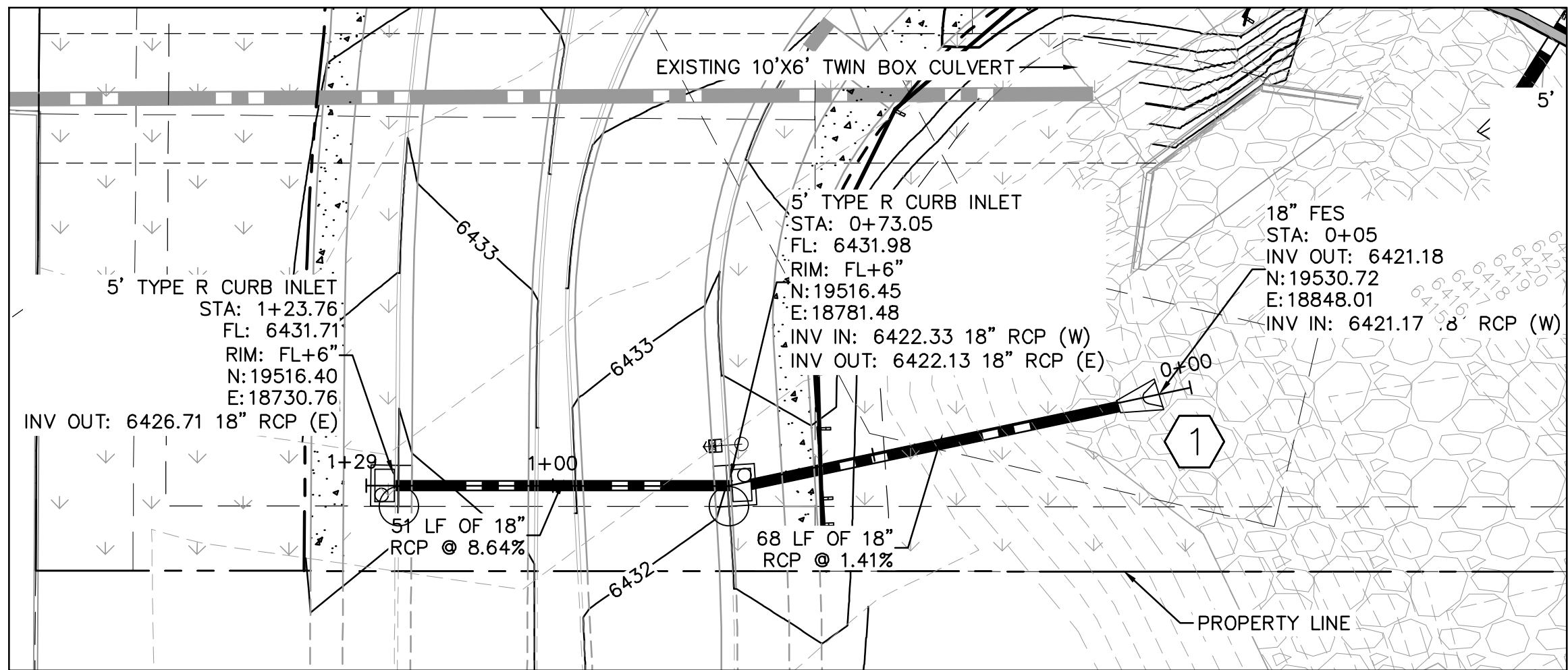
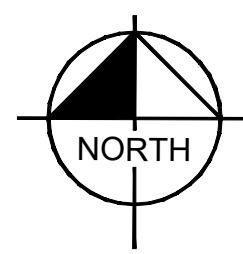


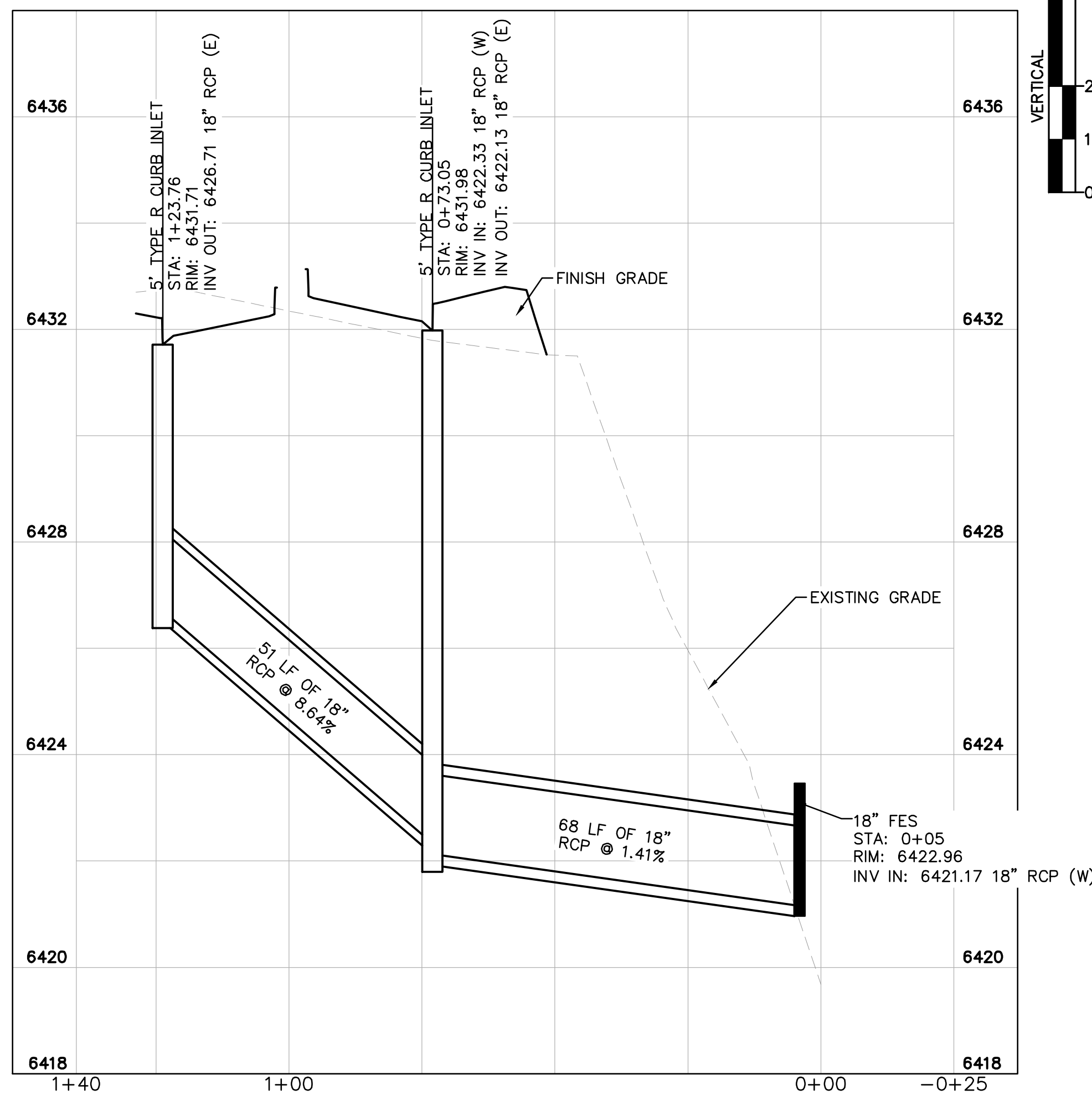
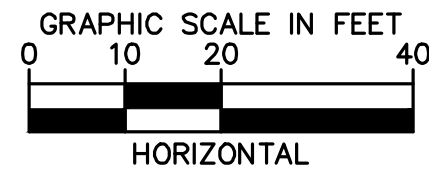
K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_STPP.dwg Hess, Mitchell 9/9/2022 9:30 PM



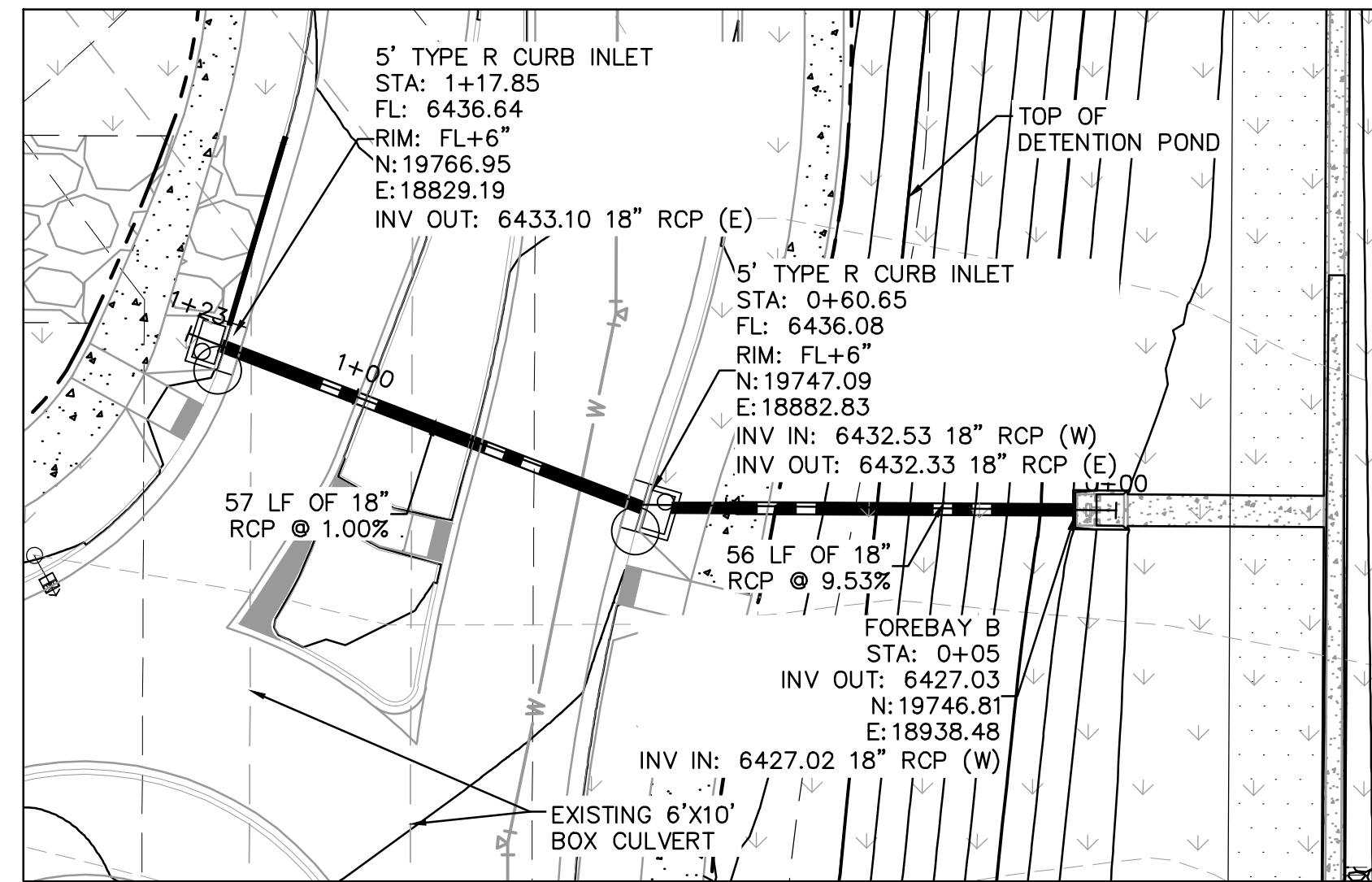
STORM SEWER LINE A - PLAN VIEW



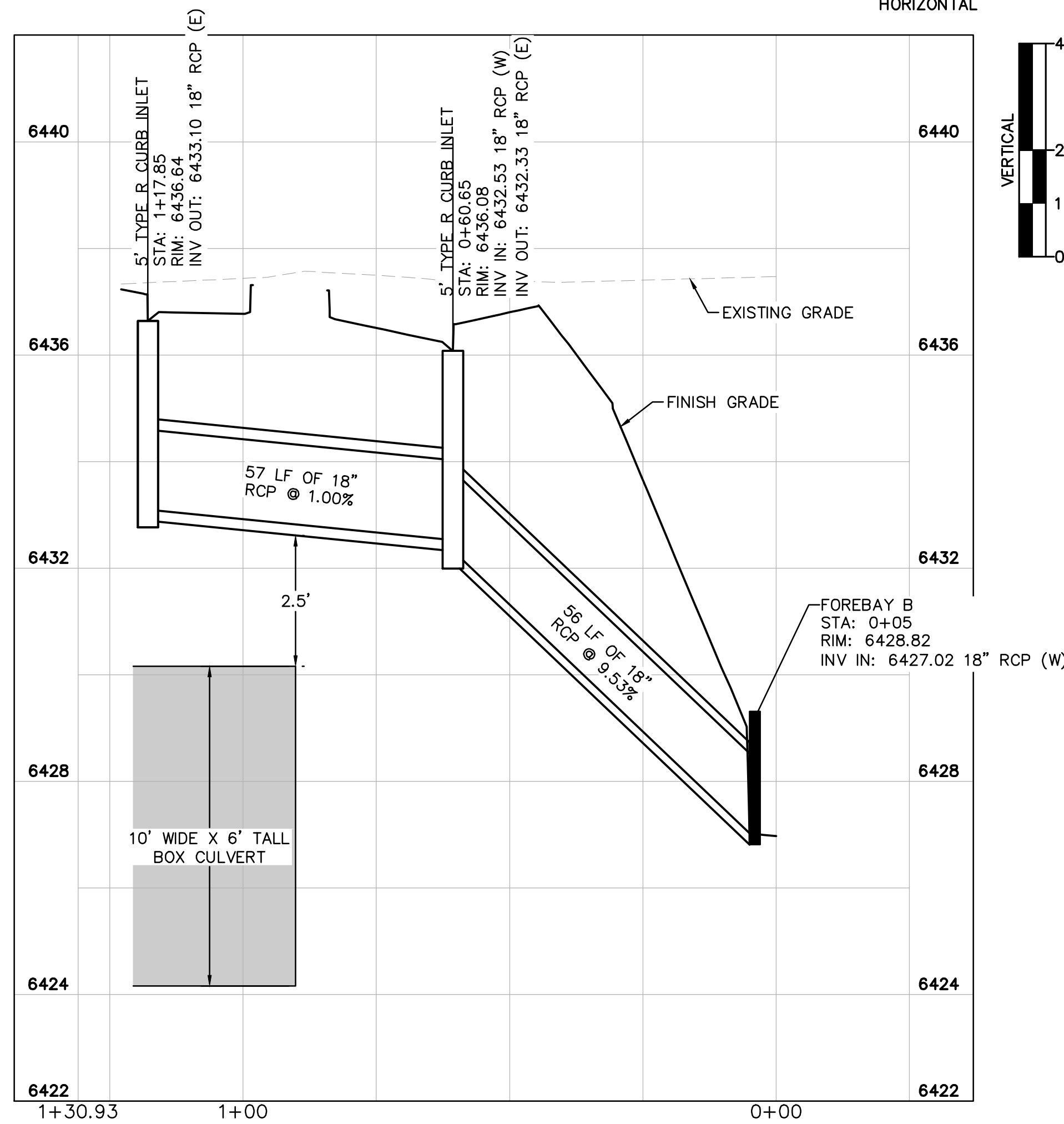
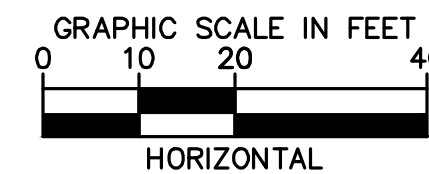
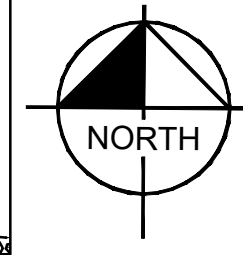
CONTRACTOR TO REPAIR ANY DAMAGE DONE TO EXISTING GROUDED RIPRAP AND ENSURE ALL VEGETATION IS RETURNED TO PRE-DISTURBED CONDITION



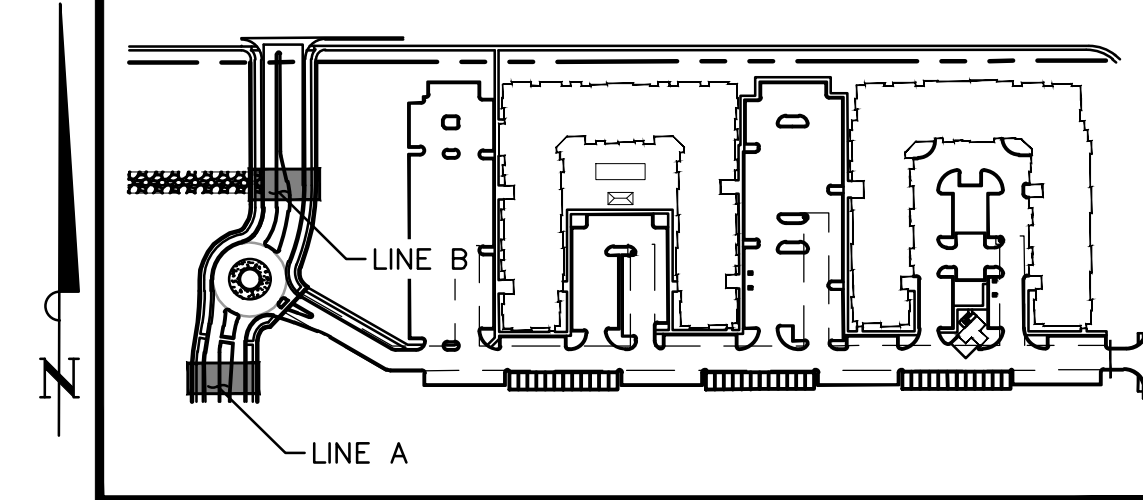
STORM SEWER LINE A - PROFILE VIEW



STORM SEWER LINE B - PLAN VIEW



STORM SEWER LINE B - PROFILE VIEW



KEY MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET

STORM SEWER NOTES

- MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
- ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE OWNER UP UNTIL THE PUBLIC CONNECTION POINT, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
- ALL CURB INLET FL ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
- ALL STORM SEWER PIPE 12" AND GREATER SHALL BE HDPE UNLESS OTHERWISE NOTED.
- ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYLOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYLOPLAST DETAILED DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM PLAN AND PROFILE LINE A

Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

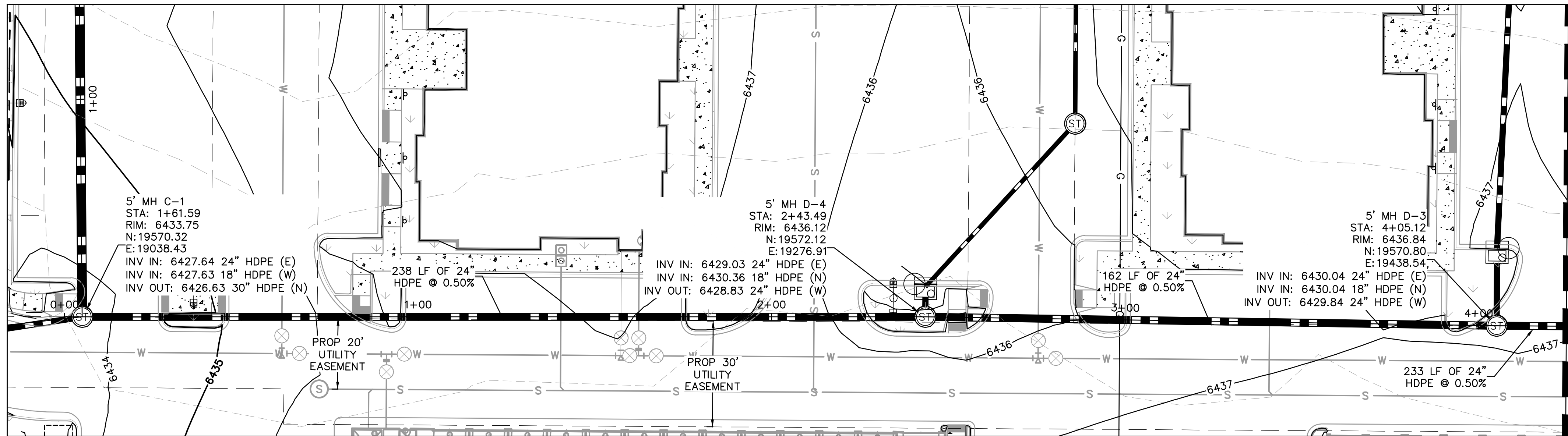


PROJECT NO.
096481004

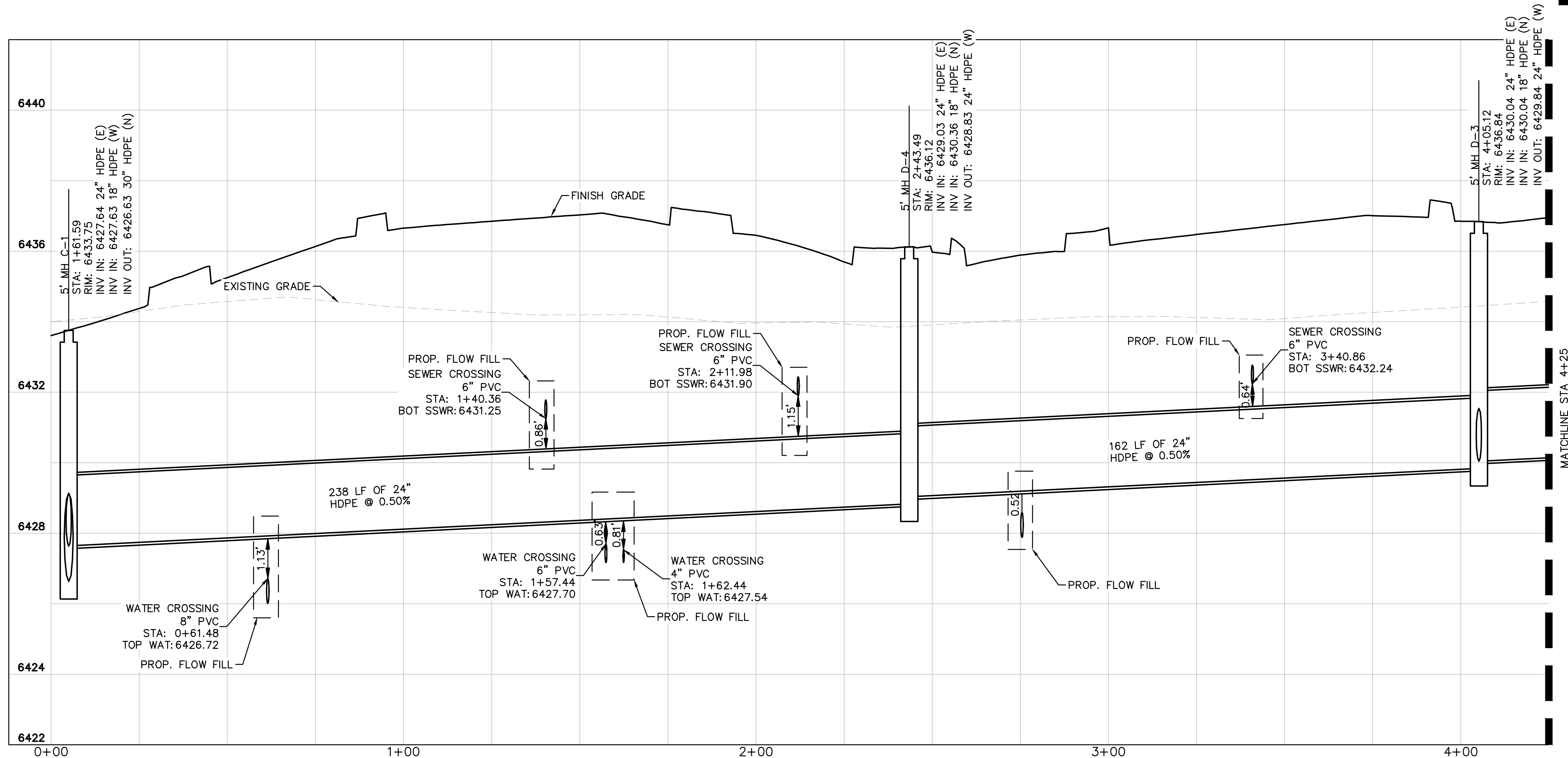
SHEET

C4.3

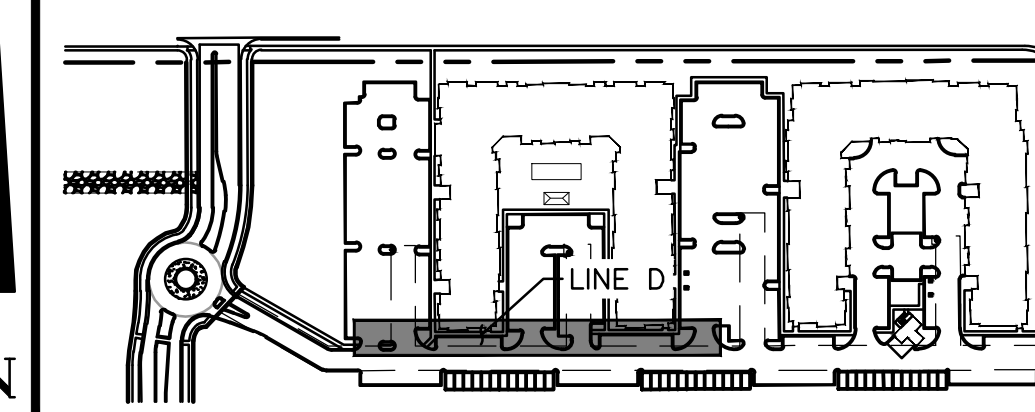
K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_STPP.dwg Hess, Mitchell 9/9/2022 9:30 PM



STORM SEWER LINE D STA 0+00-4+25 PLAN VIEW



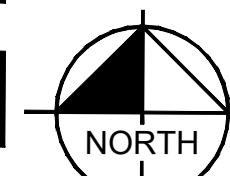
STORM SEWER LINE D STA 0+00-4+25 - PROFILE VIEW



KEY MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET



GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL

VERTICAL
0 1 2 4

STORM SEWER NOTES

- MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
- ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE OWNER UP UNTIL THE PUBLIC CONNECTION POINT, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
- ALL CURB INLET FL ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
- ALL STORM SEWER PIPE 12" AND GREATER SHALL BE HDPE UNLESS OTHERWISE NOTED.
- ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYOPLAST DETAILED DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.



Know what's below.
Call before you dig.

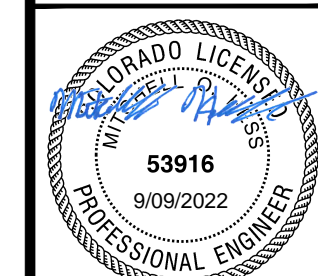


Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM PLAN AND PROFILE LINE D



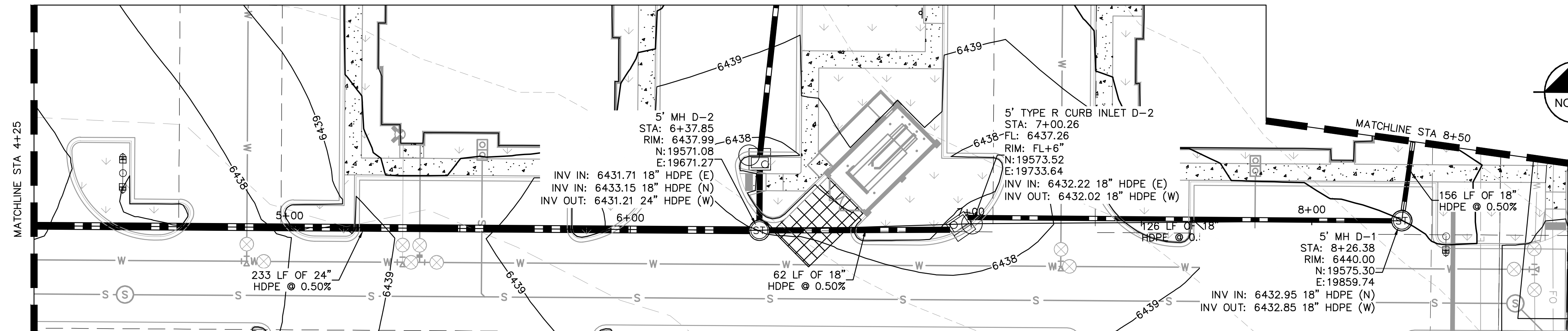
PROJECT NO.
096481004

SHEET

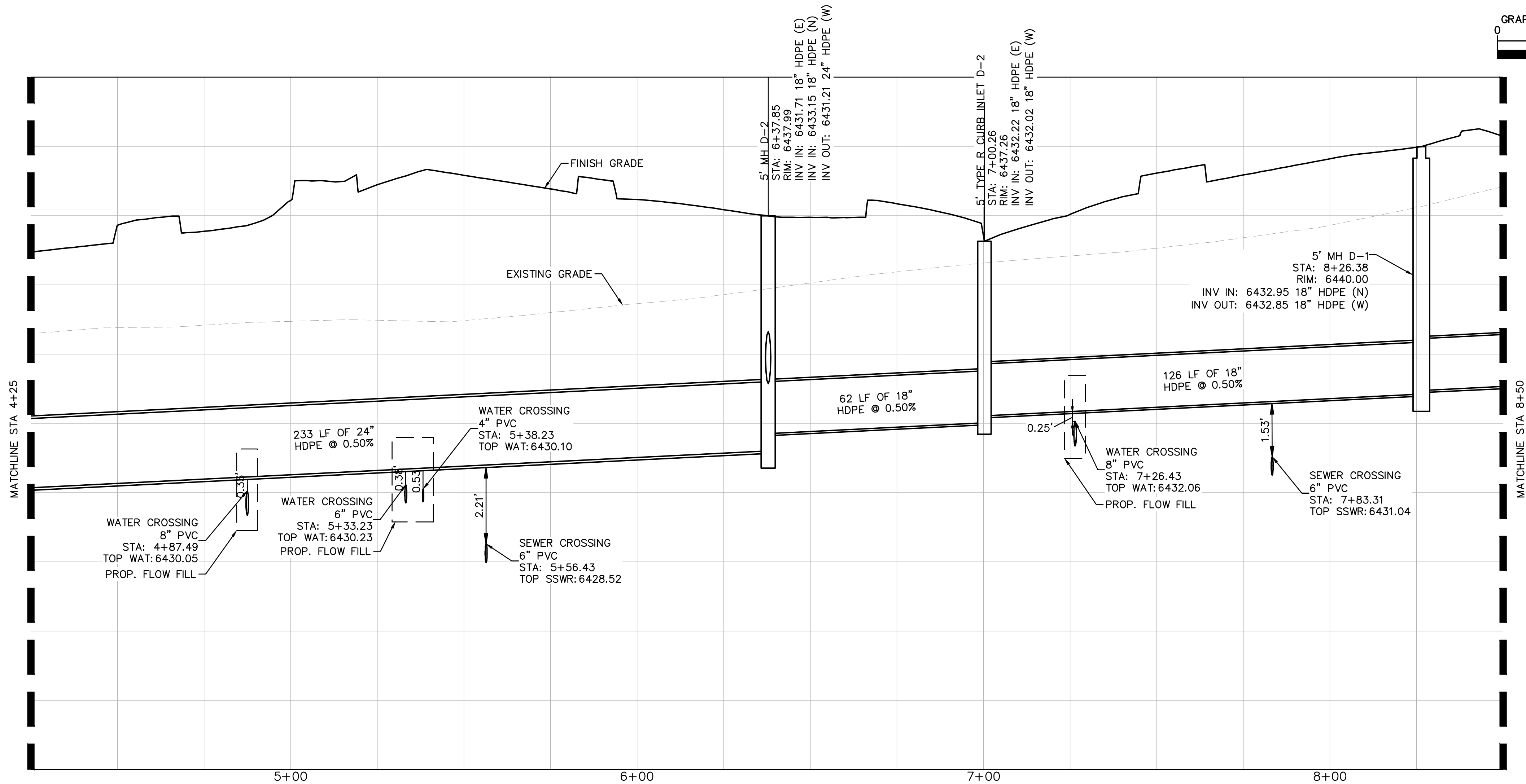
C4.5

PCD PROJECT NUMBER: PPR-2229 & SF-226

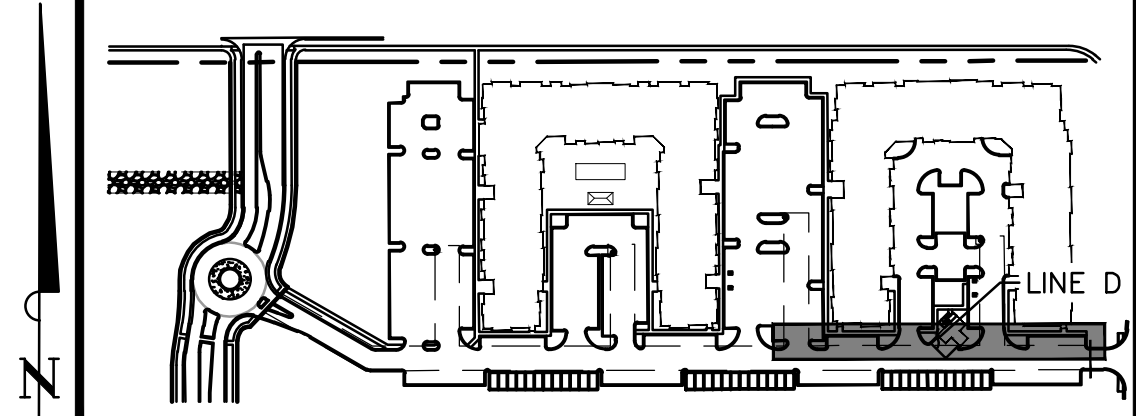
K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_STPP.dwg Hess, Mitchell 9/9/2022 9:30 PM



STORM SEWER LINE D STA 4+25-8+50 - PLAN VIEW



STORM SEWER LINE D STA 4+25-8+50 - PROFILE VIEW



KEY MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET

STORM SEWER NOTES

- MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
- ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE OWNER UP UNTIL THE PUBLIC CONNECTION POINT, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
- ALL CURB INLET FL ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
- ALL STORM SEWER PIPE 12" AND GREATER SHALL BE HDPE UNLESS OTHERWISE NOTED.
- ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYLOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYLOPLAST DETAILED DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.

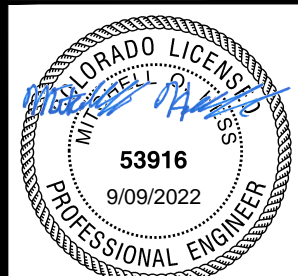


Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM PLAN AND PROFILE LINE D



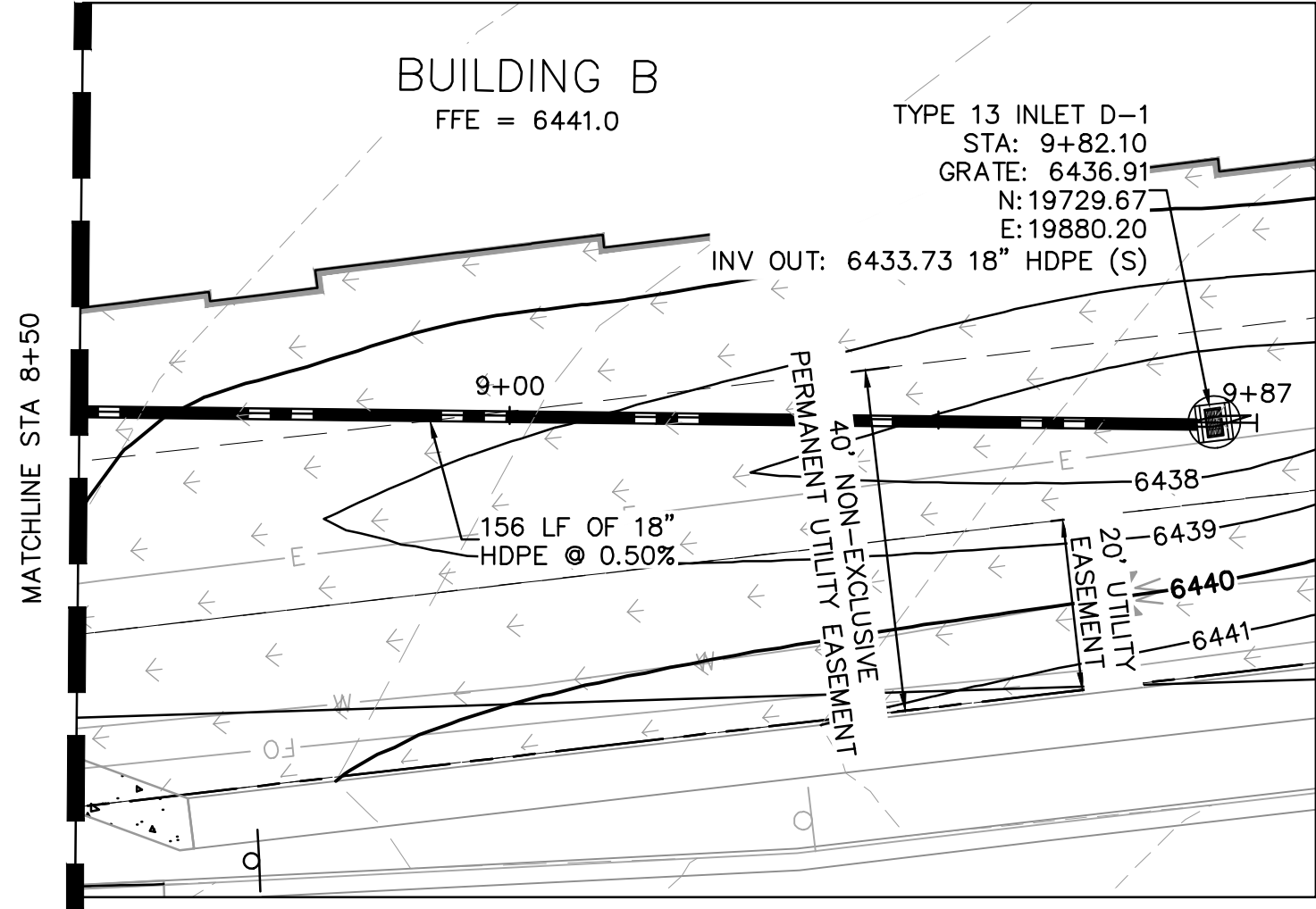
PROJECT NO.
096481004

SHEET

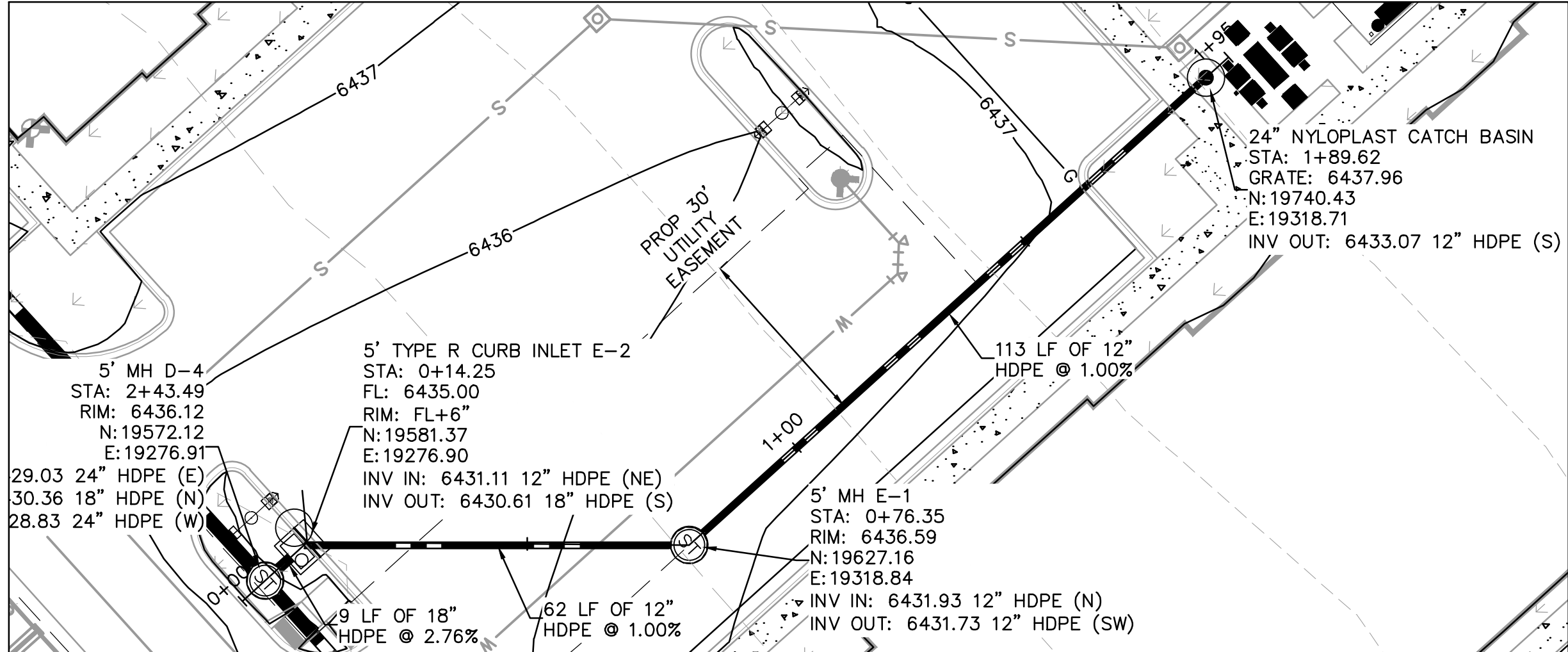
C4.6

PCD PROJECT NUMBER: PPR-2229 & SF-226

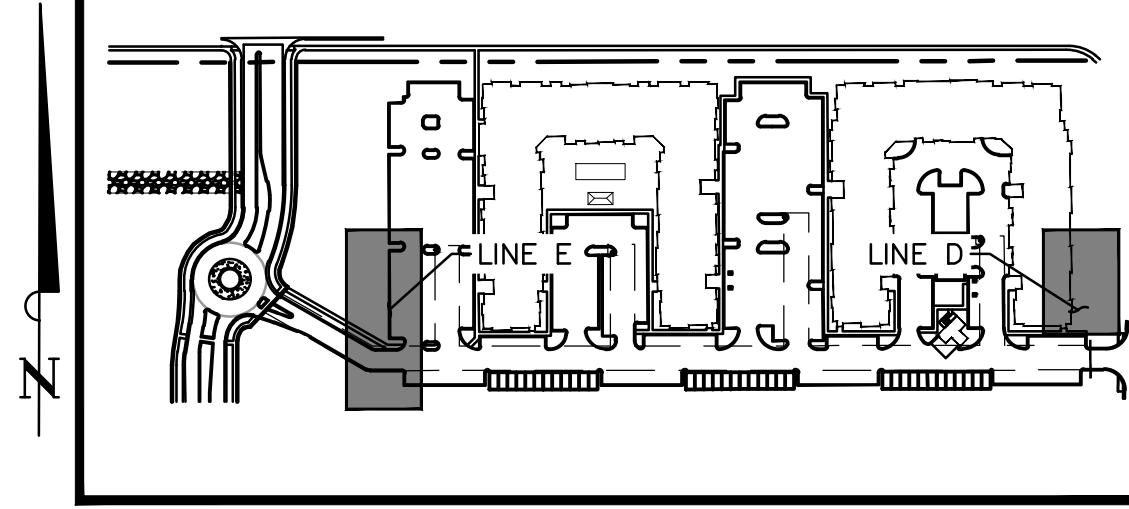
K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_STPP.dwg Hess, Mitchell 9/9/2022 9:31 PM



STORM SEWER LINE D STA 8+50-END - PLAN VIEW



STORM SEWER LINE E - PLAN VIEW

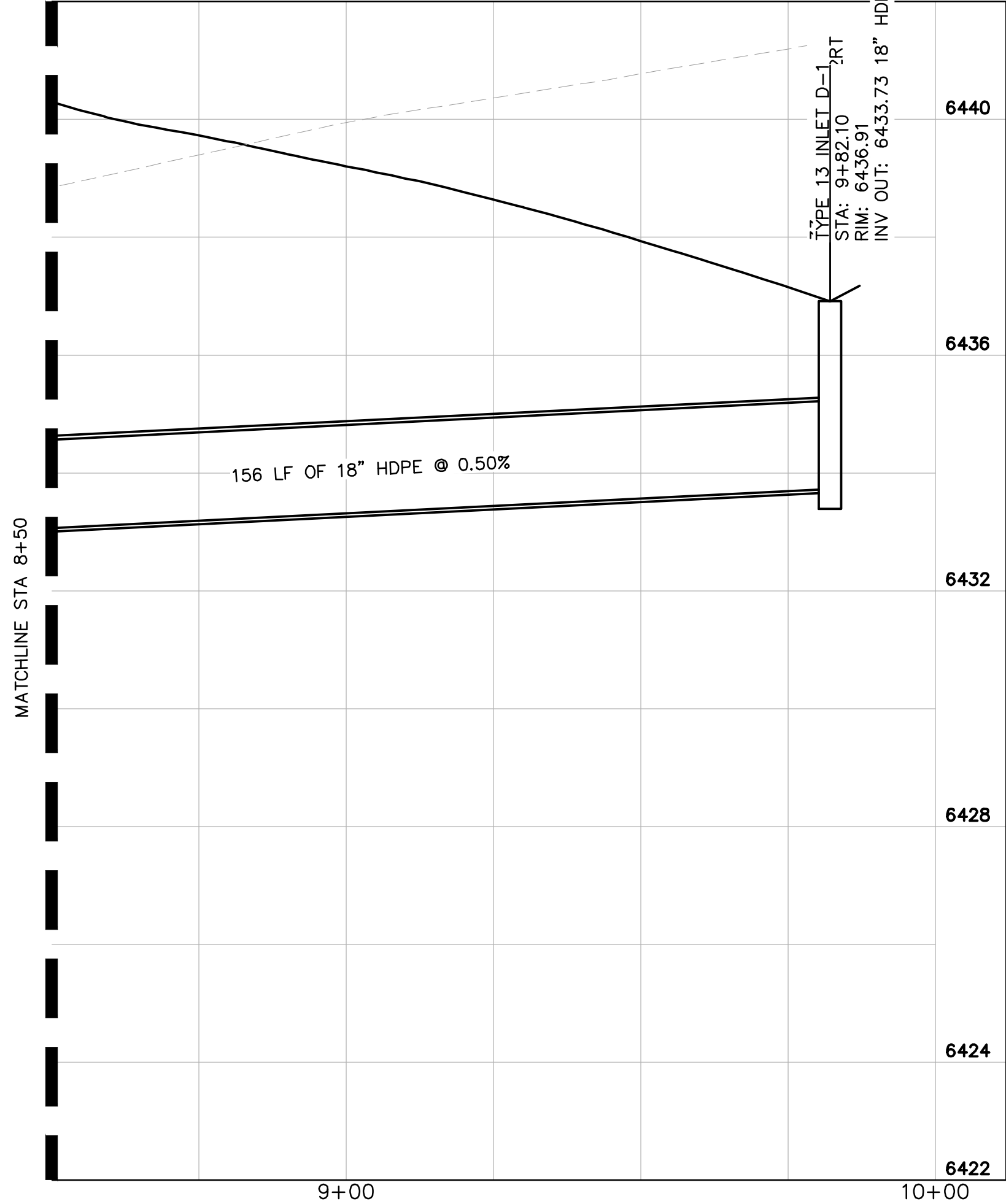


KEY MAP
NOT TO SCALE

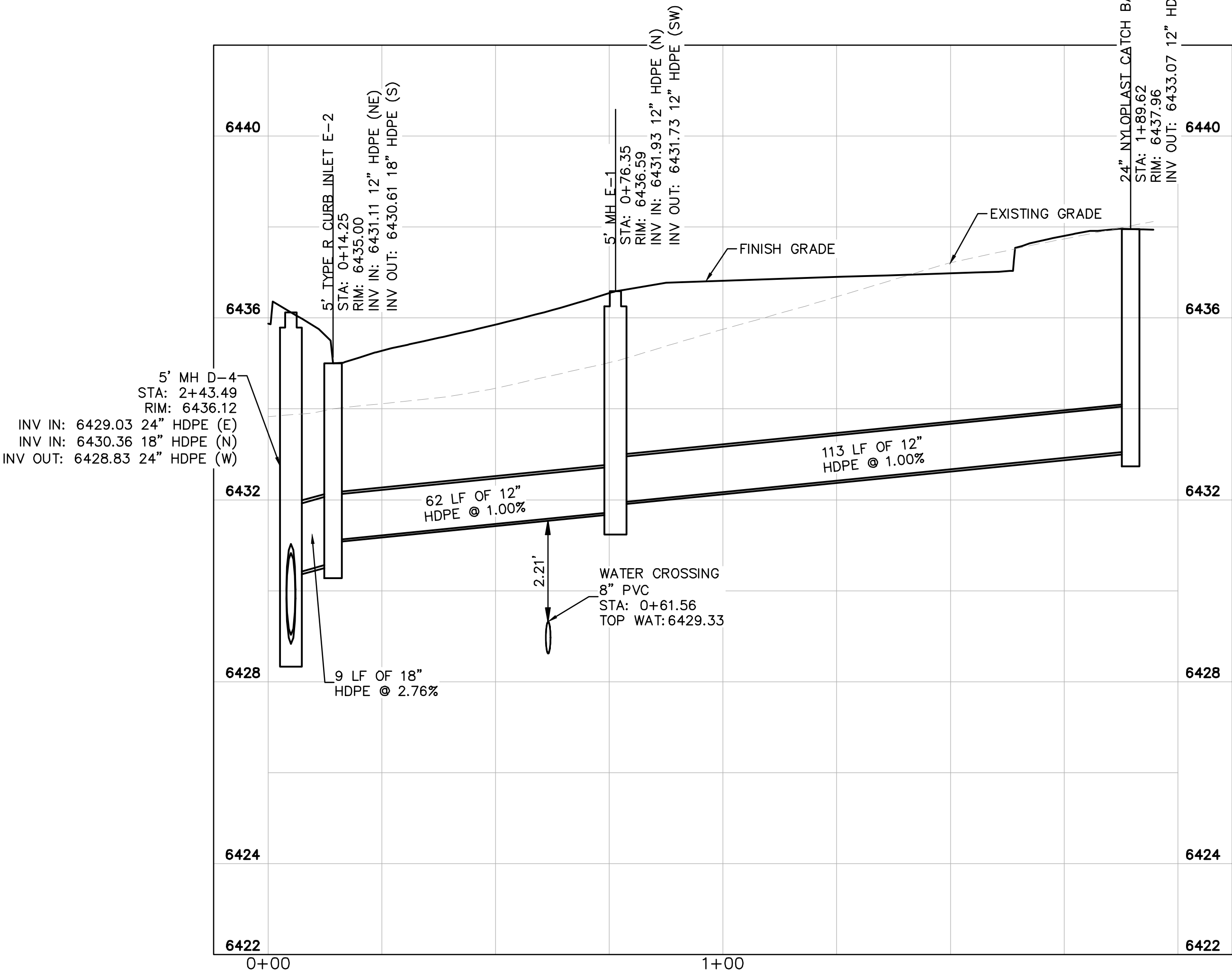
- LEGEND:**
- PROPERTY LINE
 - EXISTING EASEMENT LINE
 - PROPOSED EASEMENT LINE
 - EXISTING STORM SEWER
 - PROPOSED STORM SEWER
 - EXISTING WATER LINE
 - PROPOSED WATER LINE
 - EXISTING FIRE HYDRANT
 - PROPOSED FIRE HYDRANT
 - PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
 - EXISTING SANITARY SEWER
 - PROPOSED SANITARY SEWER
 - SANITARY SEWER MANHOLE
 - PROPOSED STORM MANHOLE
 - EXISTING STORM MANHOLE
 - PROPOSED CURB INLET
 - EXISTING CURB INLET
 - PROPOSED GRATE INLET

STORM SEWER NOTES

1. MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
2. CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
3. ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE OWNER UP UNTIL THE PUBLIC CONNECTION POINT, UNLESS OTHERWISE NOTED ON THE PLANS.
4. ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
5. ALL CURB INLET FL ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
6. ALL STORM SEWER PIPE 12" AND GREATER SHALL BE HDPE UNLESS OTHERWISE NOTED.
7. ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYLOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYLOPLAST DETAILED DRAWINGS.
8. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.



STORM SEWER LINE D STA 8+50-END - PROFILE VIEW



STORM SEWER LINE E - PROFILE VIEW

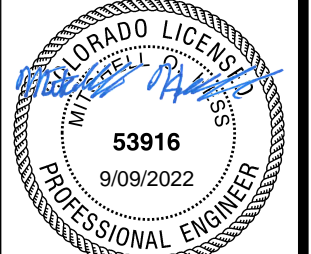


Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM PLAN AND PROFILE LINE E



PROJECT NO.
096481004

SHEET

C4.7

PCD PROJECT NUMBER: PPR-2229 & SF-226

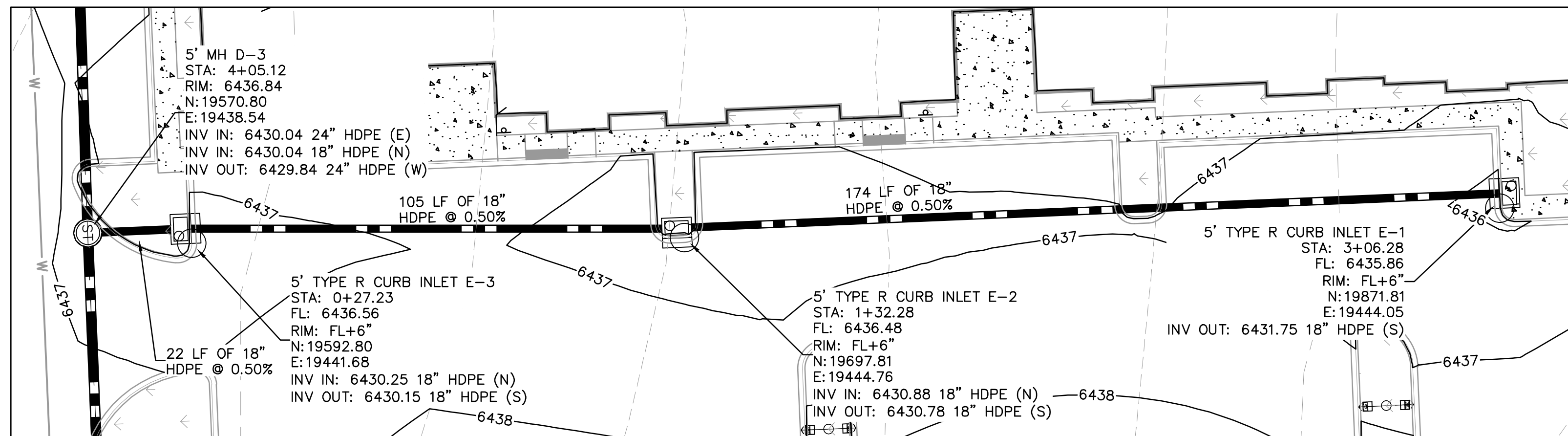
K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_STPP.dwg Hess, Mitchell 9/9/2022 9:31 PM



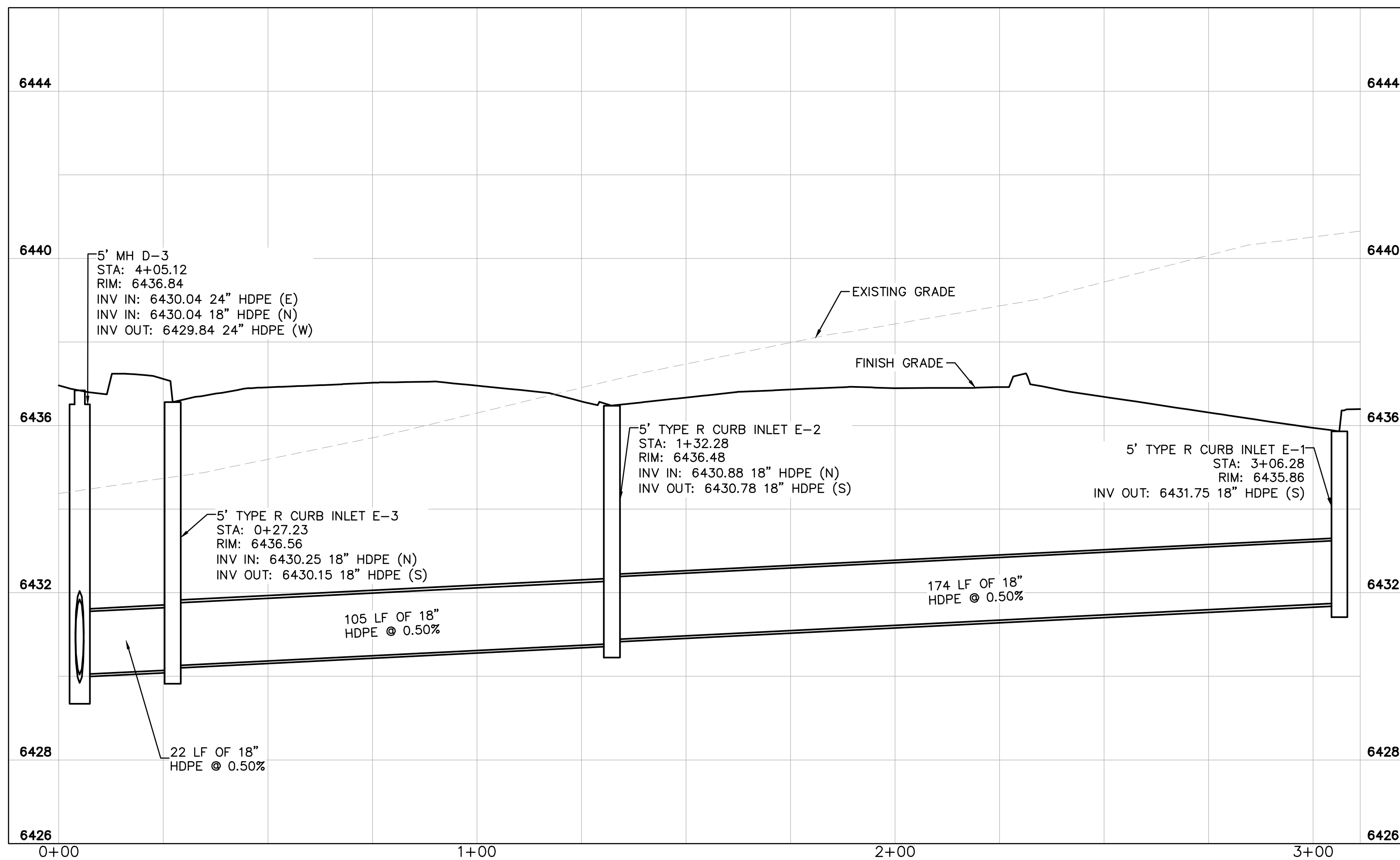
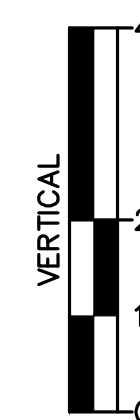
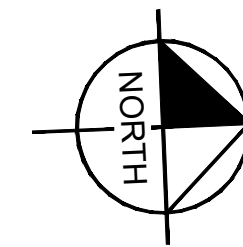
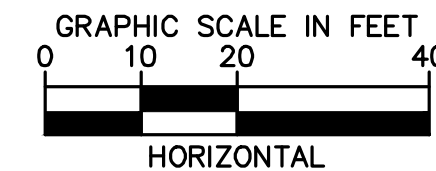
Know what's below.
Call before you dig.



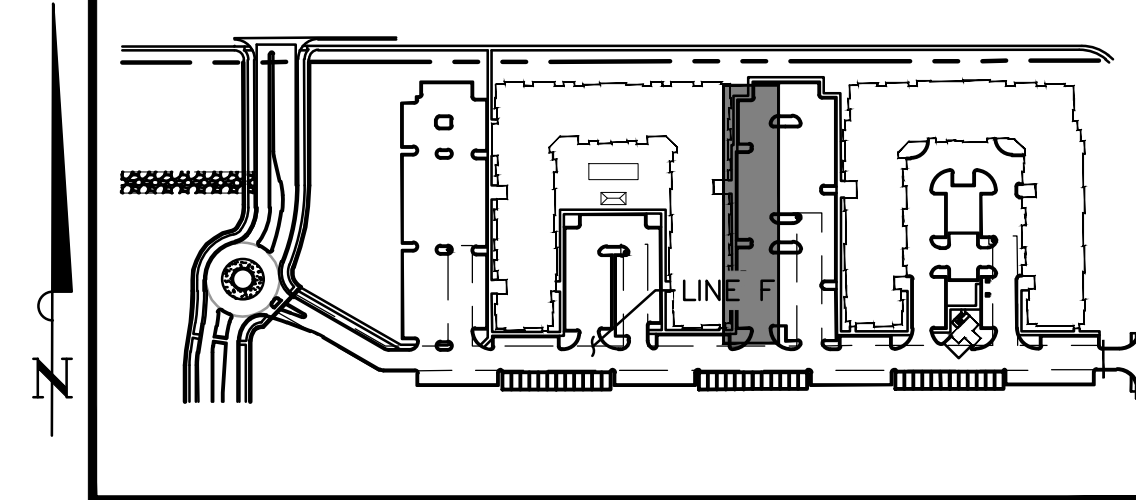
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES



STORM SEWER LINE F - PLAN VIEW



STORM SEWER LINE F - PROFILE VIEW



KEY MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- W--- EXISTING WATER LINE
- W--- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- S--- EXISTING SANITARY SEWER
- S--- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET

STORM SEWER NOTES

- MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
- ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE OWNER UP UNTIL THE PUBLIC CONNECTION POINT, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
- ALL CURB INLET FL ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
- ALL STORM SEWER PIPE 12" AND GREATER SHALL BE HDPE UNLESS OTHERWISE NOTED.
- ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYLOPLAST DETAILED DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.

Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM PLAN AND PROFILE LINE F



PROJECT NO.
096481004

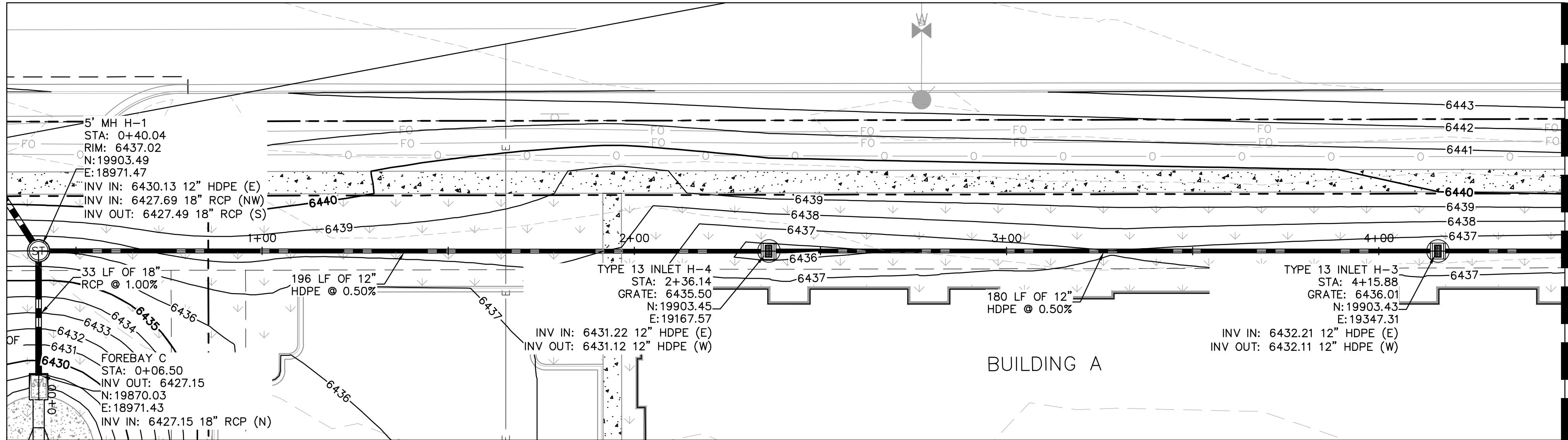
SHEET

C4.8

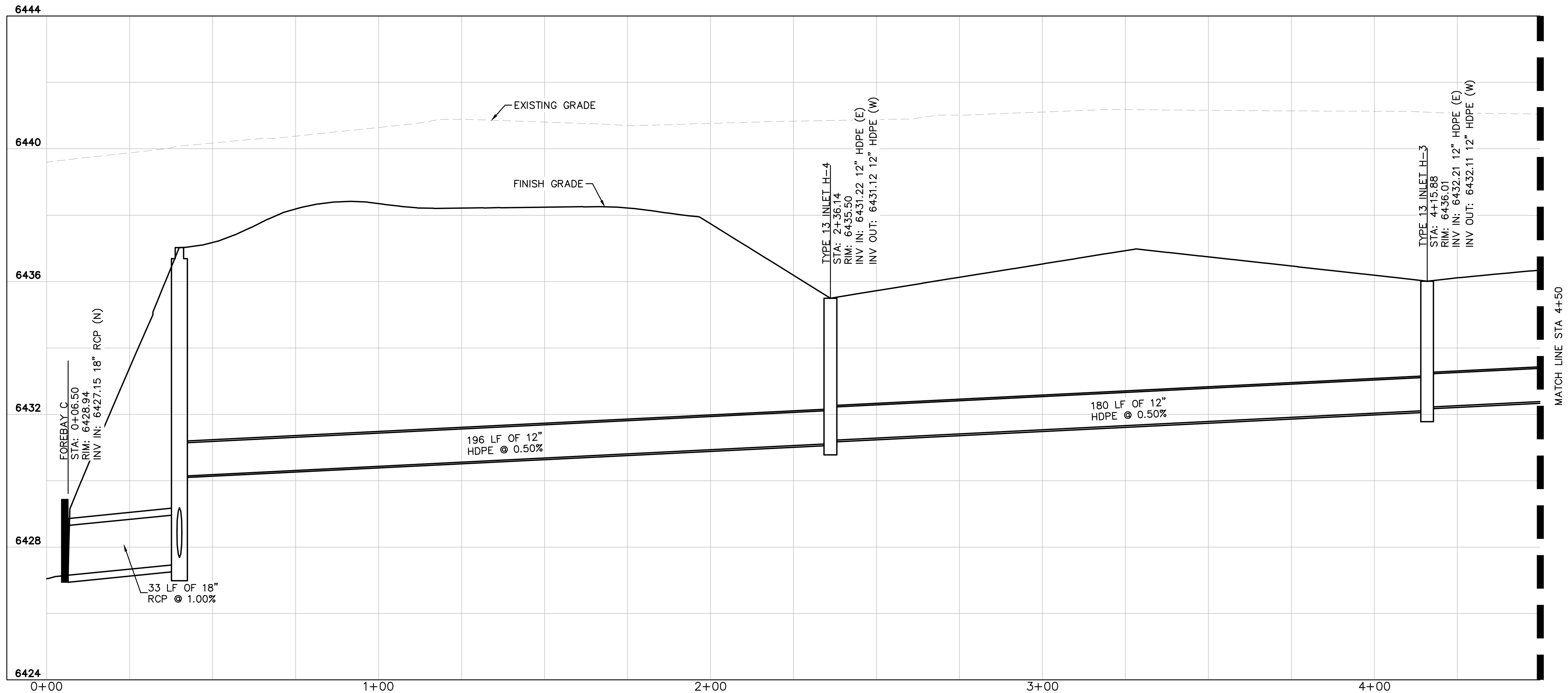
PCD PROJECT NUMBER: PPR-2229 & SF-226

PCD PROJECT NUMBER: PPR-2229 & SF-226

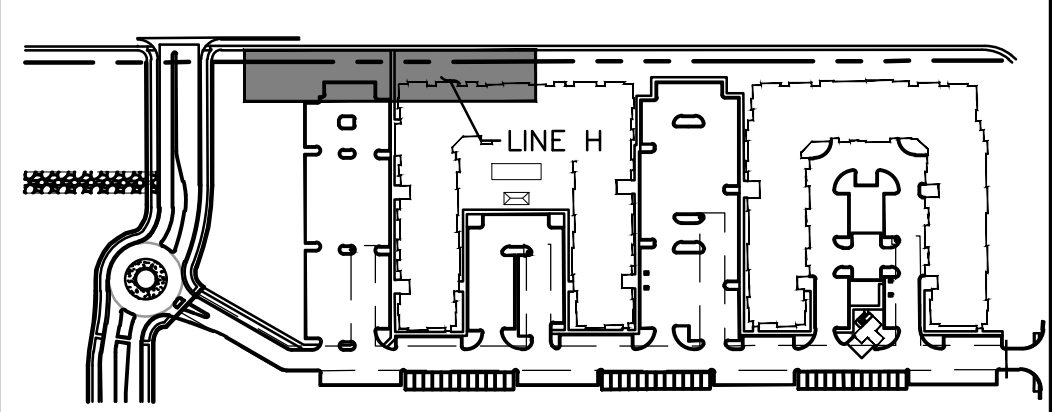
K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_STPP.dwg Hess, Mitchell 9/9/2022 9:31 PM



STORM SEWER LINE H STA 0+00-4+50 - PLAN VIEW



STORM SEWER LINE H STA 0+00-4+50 - PROFILE VIEW



KEY MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET

STORM SEWER NOTES

- MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
- ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE OWNER UP UNTIL THE PUBLIC CONNECTION POINT, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
- ALL CURB INLET FL ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
- ALL STORM SEWER PIPE 12" AND GREATER SHALL BE HDPE UNLESS OTHERWISE NOTED.
- ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYLOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYLOPLAST DETAILED DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.



Know what's below.
Call before you dig.



Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM PLAN AND PROFILE LINE G



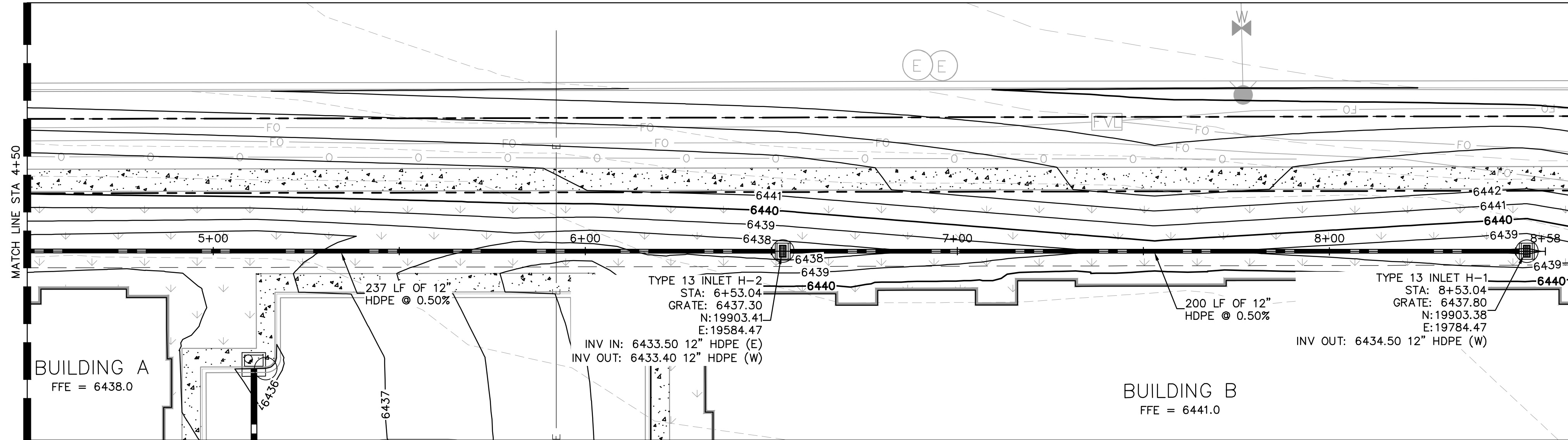
PROJECT NO.
096481004

SHEET

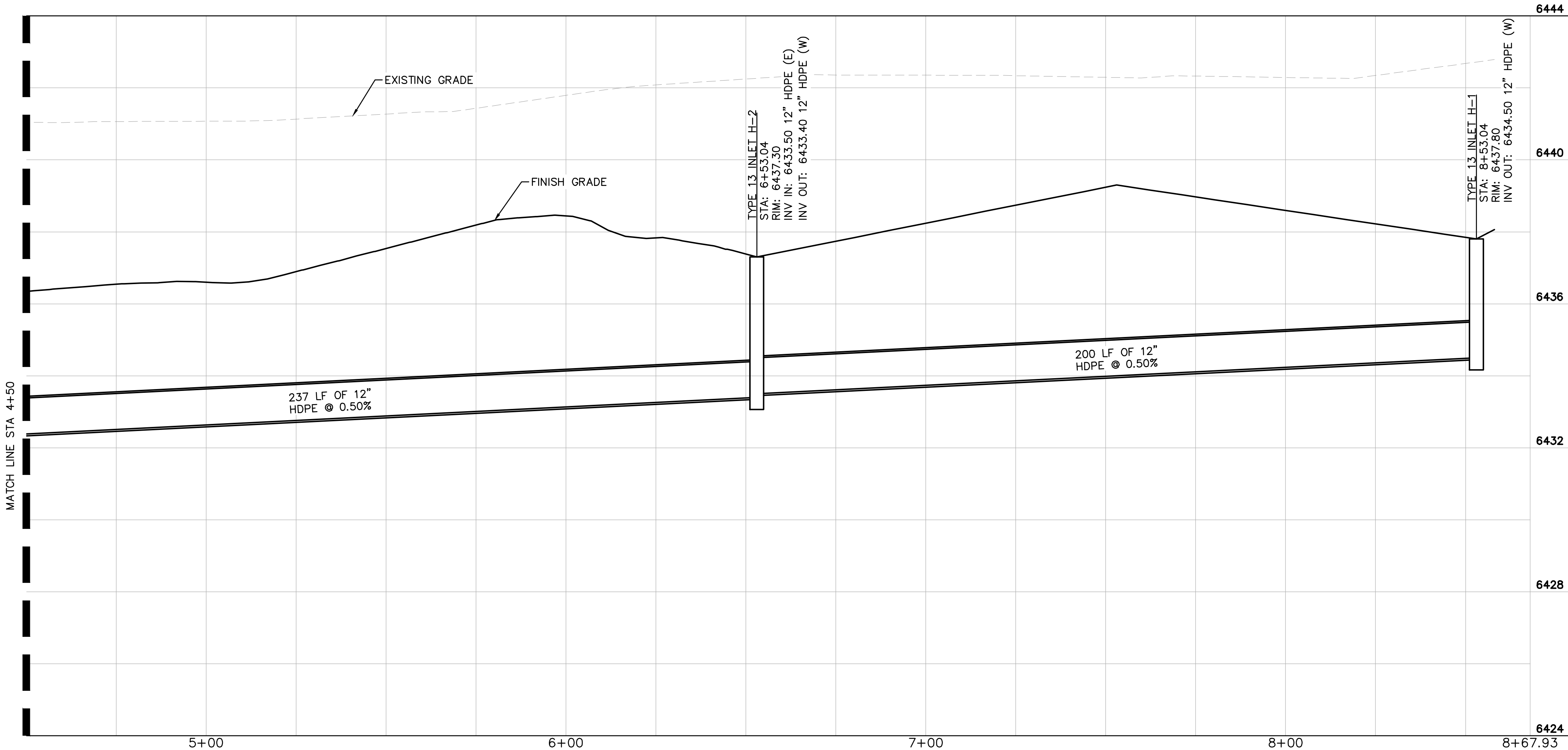
C4.10

PCD PROJECT NUMBER: PPR-2229 & SF-226

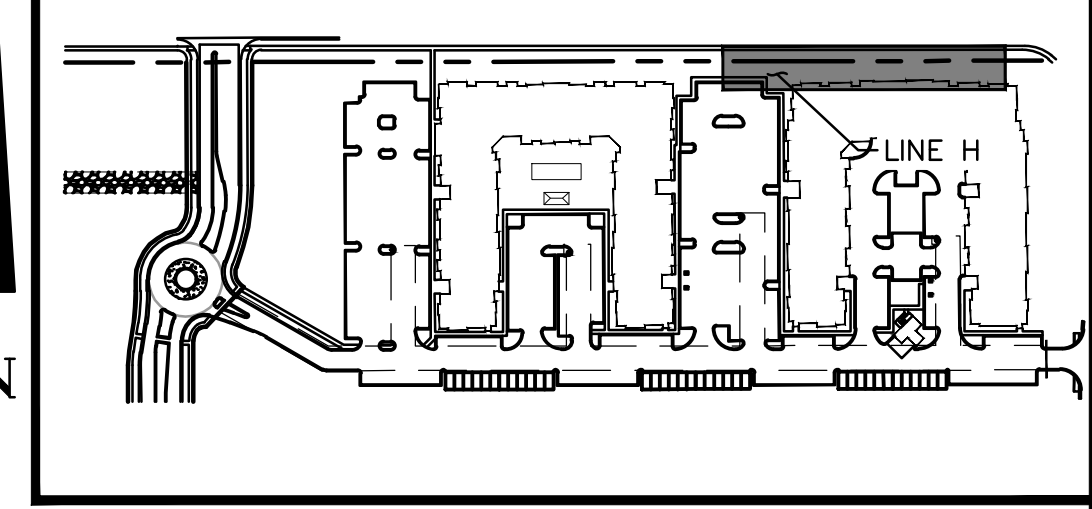
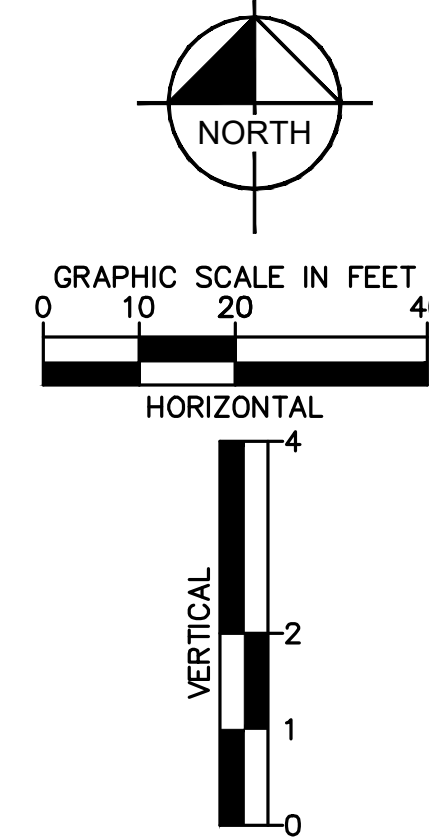
K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_STPP.dwg Hess, Mitchell 9/9/2022 9:31 PM



STORM SEWER LINE H STA 4+50-END - PLAN VIEW



STORM SEWER LINE H STA 4+50-END - PROFILE VIEW



KEY MAP
NOT TO SCALE

LEGEND:

- PROPERTY LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION W/ APPROVED KNOX HARDWARE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CURB INLET
- EXISTING CURB INLET
- PROPOSED GRATE INLET

STORM SEWER NOTES

- MANHOLE RIM ELEVATIONS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL INSTALL MANHOLES IN ACCORDANCE WITH APPLICABLE DETAILS BASED UPON FINAL FINISH GRADING AT MANHOLE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENTS TO ACCOMMODATE DEVIATIONS IN SITE GRADING AT NO COST TO THE OWNER.
- CONTRACTOR SHALL MODIFY STANDARD INLET STRUCTURE DIMENSIONS AND STRUCTURAL COMPONENTS TO ACCOMMODATE ASSOCIATED ENTRY AND OUTLET PIPES.
- ALL STORM SEWER MAINS PIPE, INLETS AND MANHOLES ARE PRIVATELY OWNED AND MAINTAINED BY THE OWNER UP UNTIL THE PUBLIC CONNECTION POINT, UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CURB INLET STATIONS ARE BASED ON THE MIDPOINT OF THE CURB INLET AT THE FLOWLINE.
- ALL CURB INLET FL ELEVATIONS AND STATIONING ARE BASED ON THE MIDPOINT OF THE CURB INLET AT FLOWLINE.
- ALL STORM SEWER PIPE 12" AND GREATER SHALL BE HDPE UNLESS OTHERWISE NOTED.
- ALL PRIVATE LANDSCAPE DRAINS SHALL BE NYOPLAST TYPE OR APPROVED EQUIVALENT. RE: UTILITY DETAILS FOR NYLOPLAST DETAILED DRAWINGS.
- CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING STORM SEWER AT ALL CONNECTION POINTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO MODIFY EXISTING MANHOLE RIM ELEVATIONS TO MATCH PROPOSED FINISH GRADE AS NECESSARY.



Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
STORM PLAN AND PROFILE LINE H



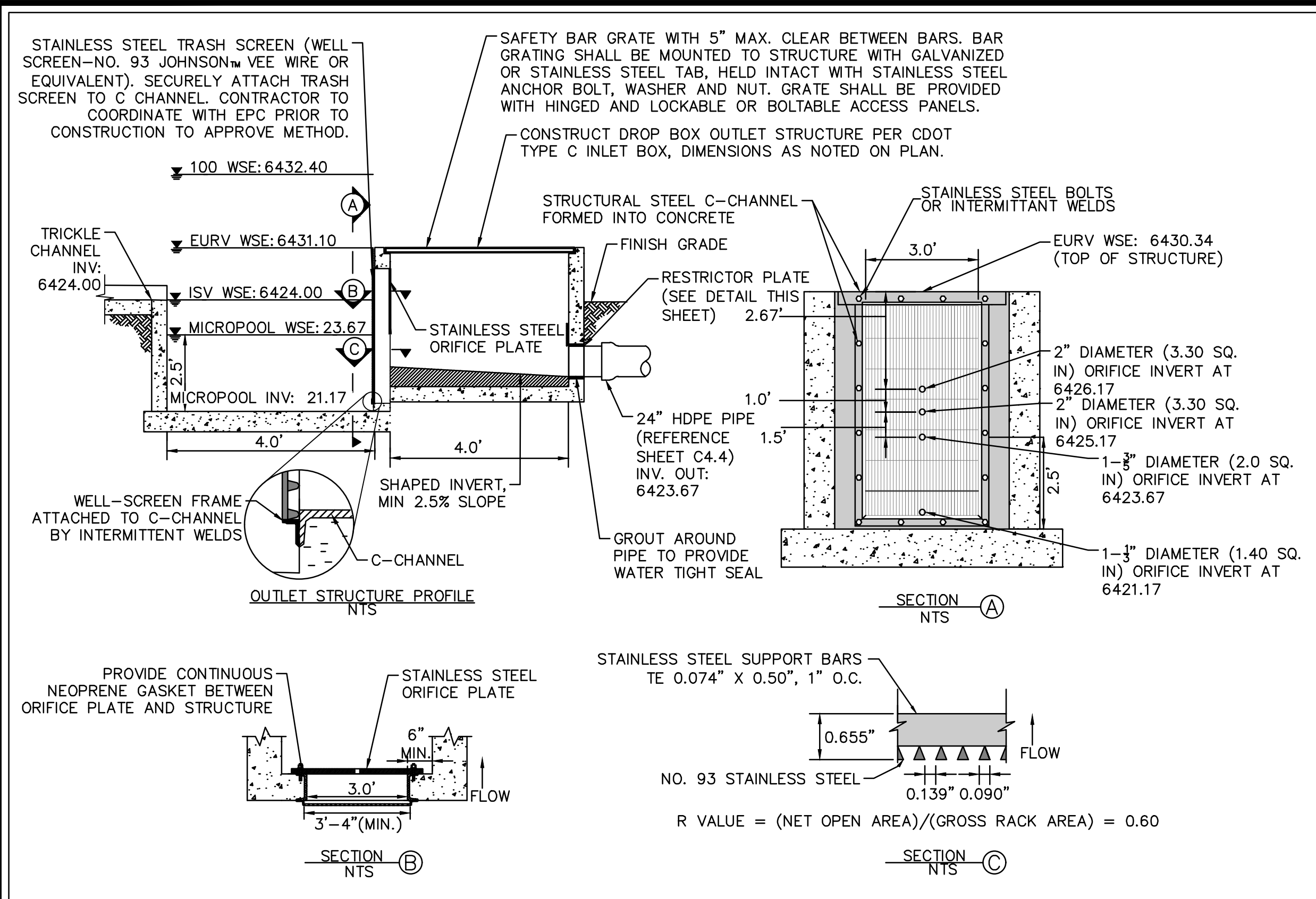
PROJECT NO.
096481004

SHEET

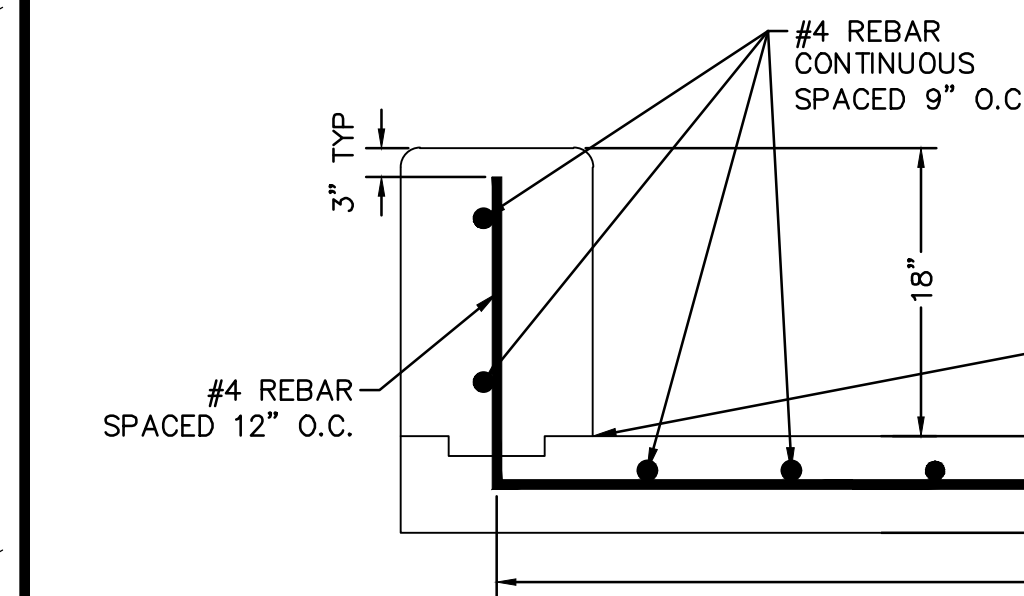
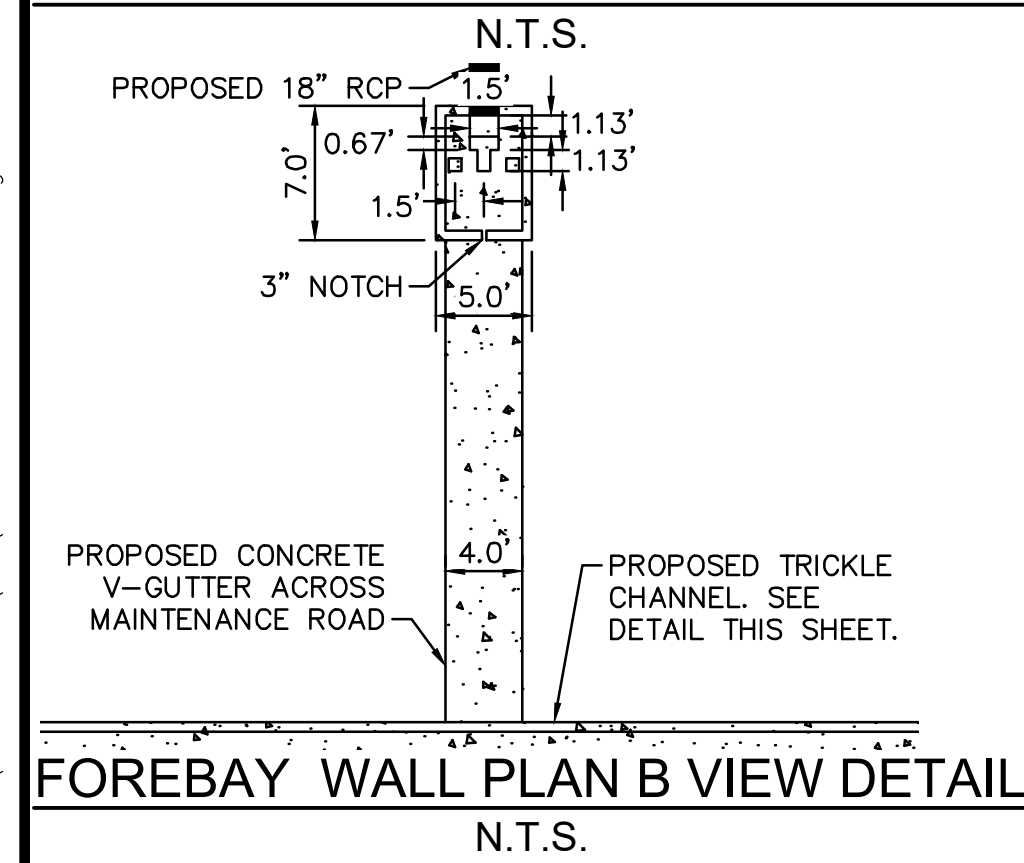
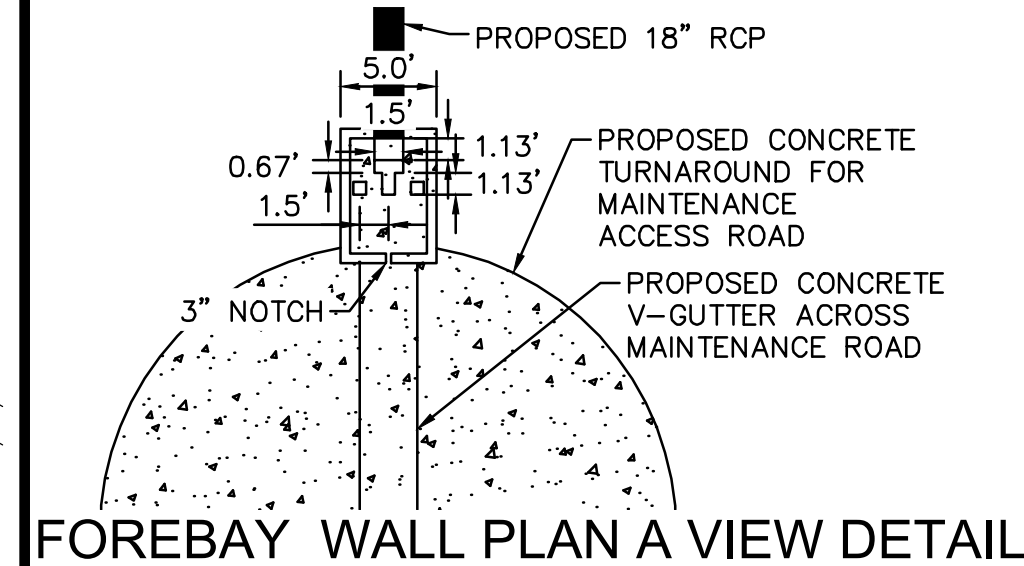
C4.11

PCD PROJECT NUMBER: PPR-2229 & SF-226

K:\DEN_Civil\096481004 - El Paso Constitution\CADD\PlanSheets\CD\096481004\UT_POND.dwg Hess, Mitchell 9/9/2022 9:32 PM



OUTLET STRUCTURE PROFILE DETAIL

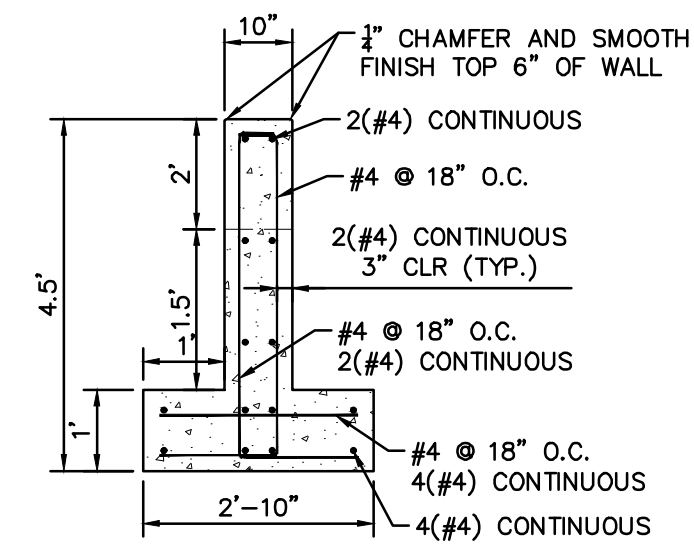


FOREBAY WALL SECTION E

N.T.S.

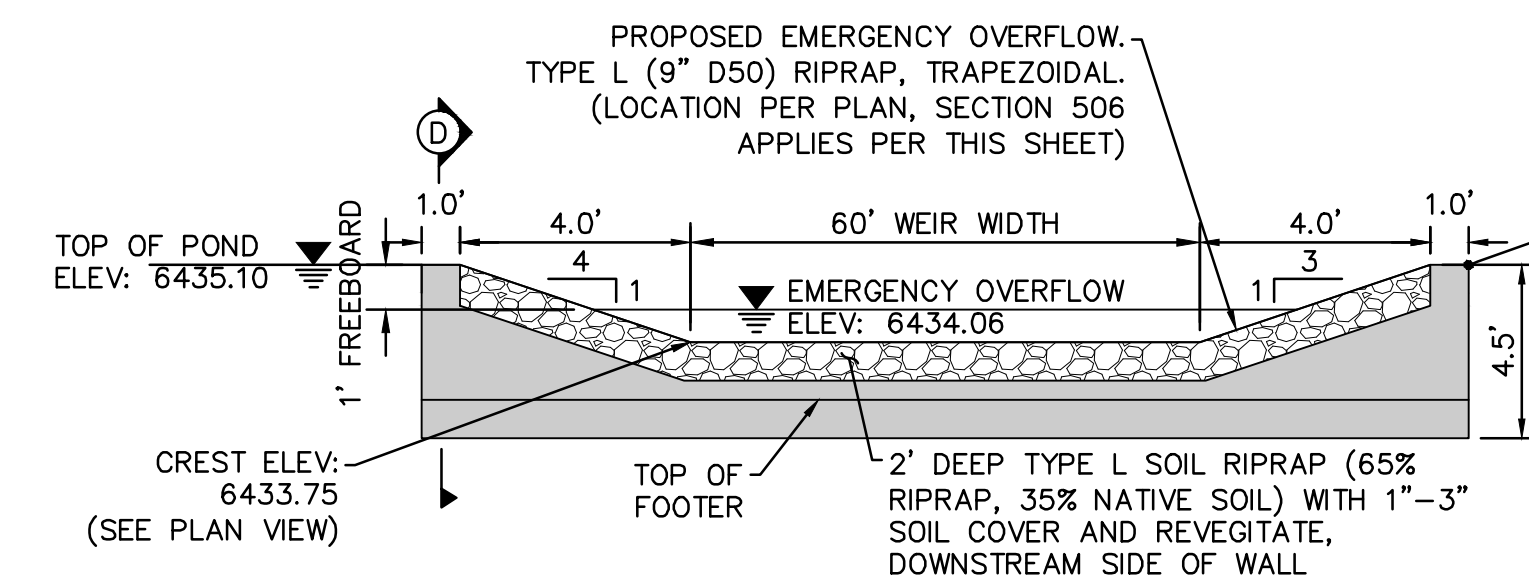
FOREBAY NOTES:

- FOREBAY BAFFLE BLOCKS SHALL BE 8" WIDE BY 8" DEEP AND SHALL BE 1/2 THE HEIGHT OF THE PIPE THAT DISCHARGES INTO THE FOREBAY. FOREBAY BAFFLE BLOCKS SHALL HAVE 3/4" CHAMFERS ON ALL CORNERS.



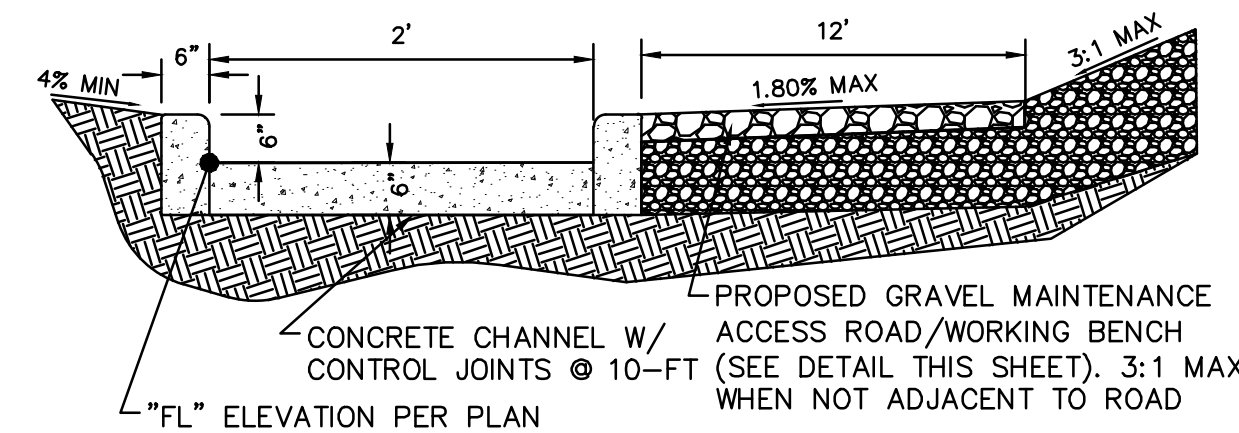
EMERGENCY OVERFLOW CUT-OFF WALL SECTION D

N.T.S.



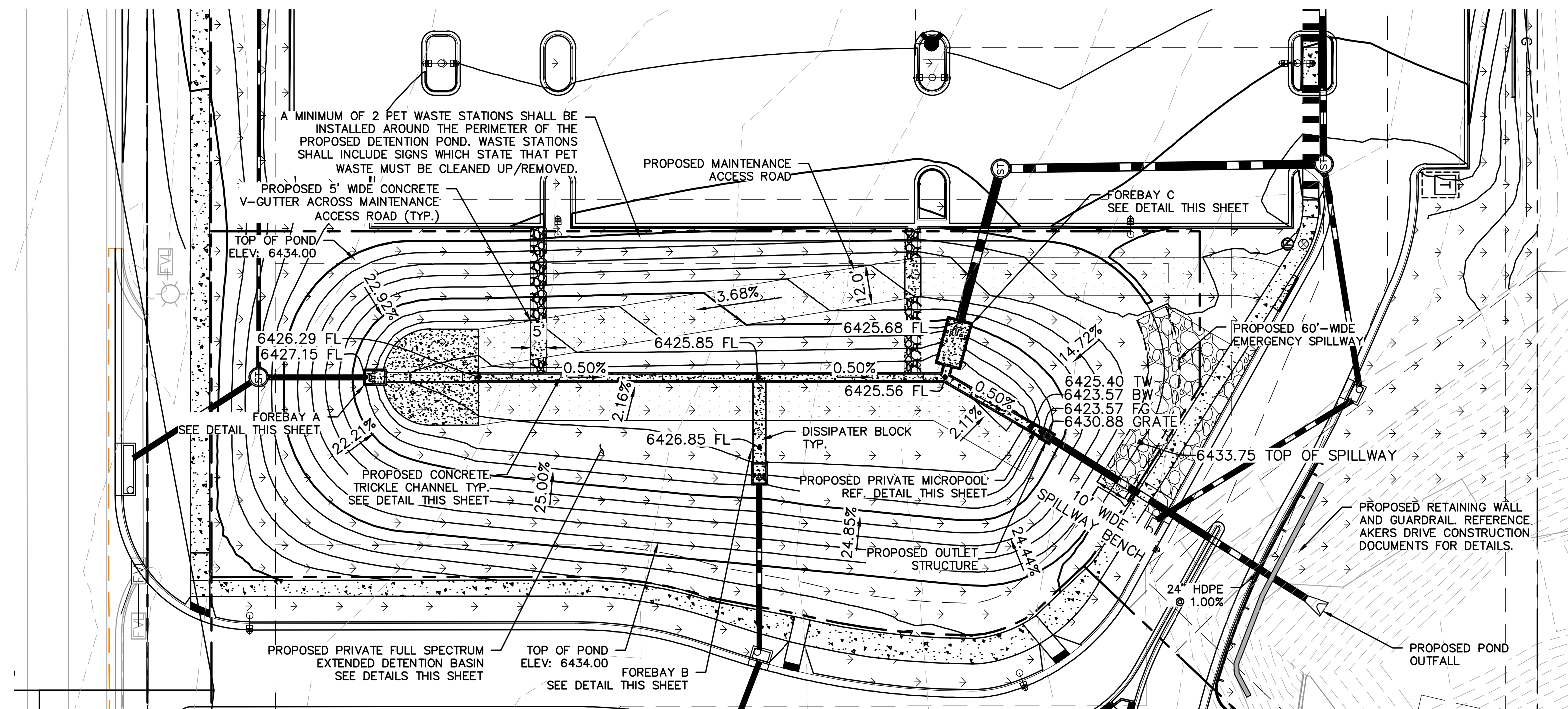
EMERGENCY OVERFLOW CUT-OFF WALL PROFILE

N.T.S.



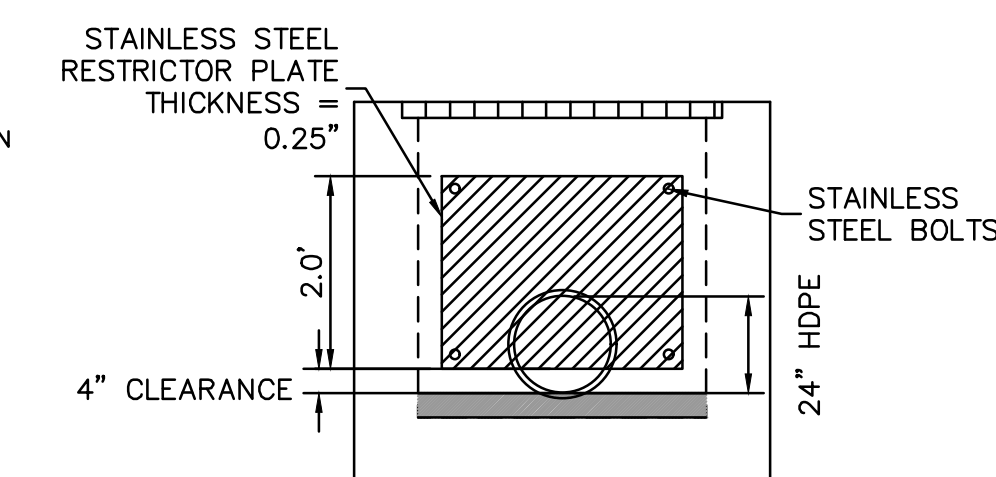
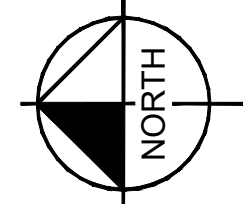
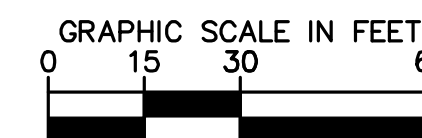
TRICKLE CHANNEL- CROSS SECTION DETAIL

N.T.S.



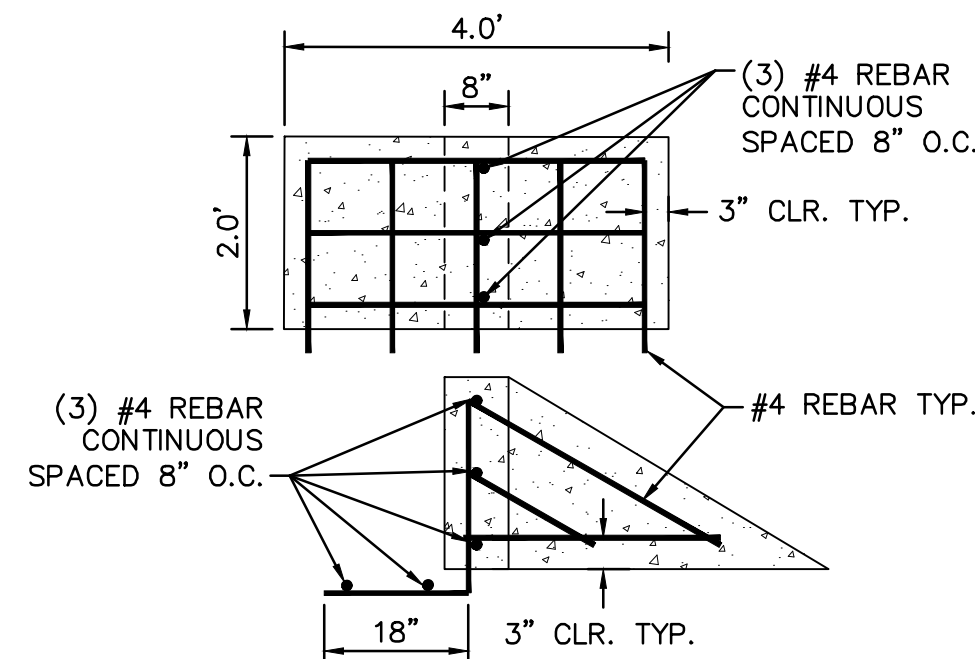
DETENTION POND PLAN VIEW

SCALE: 1" = 30'



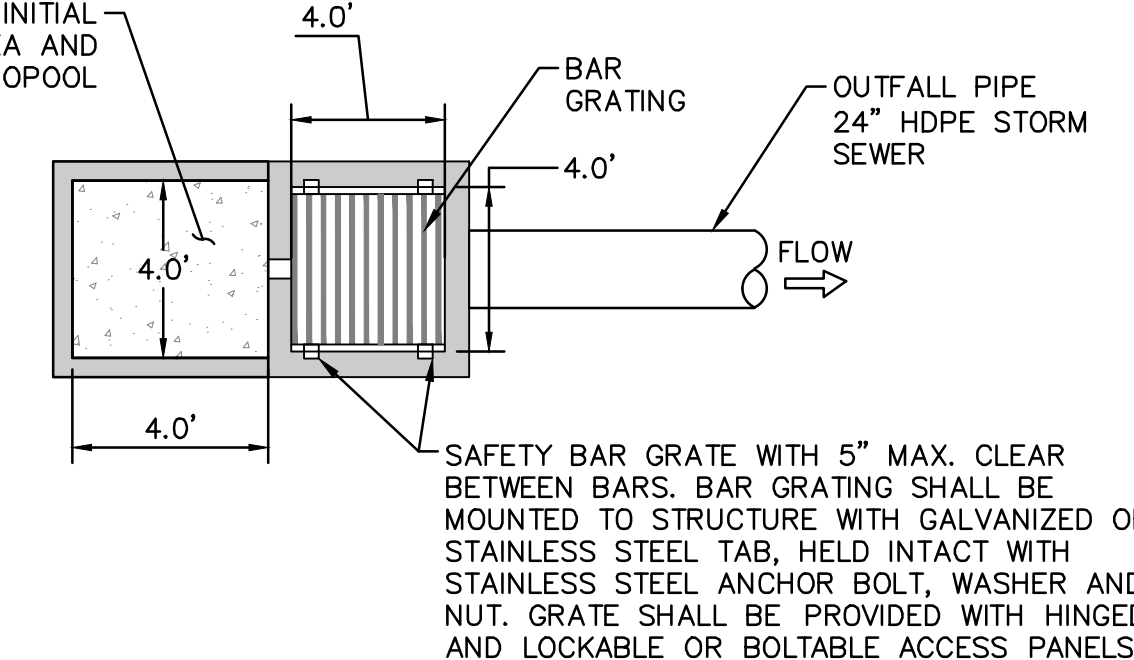
100-YEAR FLOW RESTRICTOR DETAIL

N.T.S.



FOREBAY DISSIPATER DETAIL

N.T.S.



OUTLET STRUCTURE PLAN VIEW DETAIL

N.T.S.

Table 506-2				
Pay Item	Stone Size d50 ¹ (Inches)	Percent of Material Smaller Than Typical Stone ²	Typical Stone Dimensions ³ (Inches)	Typical Stone Weight ⁴ (Pounds)
Riprap 6	6	70-100	12	85
		50-70	9	35
		35-50	6	10
		2-10	2	0.4
Riprap 9	9	70-100	15	160
		50-70	12	85
		35-50	9	35
		2-10	3	1.3
Riprap 12	12	70-100	21	440
		50-70	18	275
		35-50	12	85
		2-10	4	3
Riprap 18	18	100	30	1280
		50-70	24	650
		35-50	18	275
		2-10	6	10
Riprap 24	24	100	42	3500
		50-70	33	1700
		35-50	24	650
		2-10	9	35

¹d50 = nominal stone size
²based on typical rock mass
³equivalent spherical diameter
⁴based on a specific gravity = 2.5

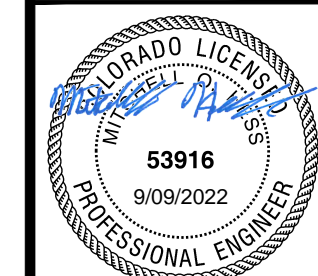
Nominal stone size and total thickness of the riprap shall be as shown on the plans.

Kimley»Horn

2022 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 300
Colorado Springs, CO 80903 (303) 228-2300

DESIGNED BY: MOH
DRAWN BY: JWM
CHECKED BY: DLS
DATE: 9/15/2022

THE CITIZEN ON CONSTITUTION
EL PASO COUNTY, COLORADO
UTILITY AND WATER SERVICE PLANS
DETENTION POND PLAN AND DETAILS



PROJECT NO.
096481004

SHEET

C4.13

